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RESEARCH ARTICLE

Identification of the artefact contribution to two urban Technosols by coupling a sorting test, chemical analyses and a least-absolute residuals procedure

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Abstract

Purpose: In the context of urban extension, the depletion of natural resources for construction constitutes a crucial issue. Specifically, in the field of earthworks, the amounts of materials can be massive and pose the crucial problem of resource shortage. Therefore, the reuse of excavated urban soils from foundation layers as new earthwork construction materials appears to be a sustainable and promising solution. Before repurposing, a better knowledge of urban soils and their potential pollutant load is compulsory.

Materials and methods: In this paper, two soils excavated from the town of Paris are studied. After the stripping of their surface, to remove organic matter and surface pollution, the matrices were submitted to elemental analyses using ICP-OES, C/S measurements and XRF techniques. The elemental analyses were carried out on the whole materials, on three granulometric fractions ($<80\text{ }\mu\text{m}$, $80\text{-}400\text{ }\mu\text{m}$, $>400\text{ }\mu\text{m}$) and on the families of artefacts (i.e. construction and demolition wastes, natural gravel, industrial wastes, magnetic and non-magnetic slags) found in the soils. The combination of elemental analyses and a least absolute residuals procedure (LAR) were used to quantify artefacts contributions in all granulometric fractions.

Results and discussion: The soils exhibit evidence of anthropic inputs with high contents of pollutants under the forms of carbonaceous, sulfur mineral and metallic alloys. Carbonaceous and trace pollutions are concentrated in magnetic and non-magnetic slags, while sulfur and strontium pollutions are concentrated in gypsum components. In both cases, all the granulometric fractions (including whole material) can be retrieved as a combination of artefacts composition, suggesting that the Technosoils mainly result from the mixture of these artefacts. The amounts of natural material, gypsum components and magnetic slags increase with the fineness of the fractions. In contrary, amount of non-magnetic slags decrease with the fineness of the fractions and suggests that the processes of slags weathering are not similar: carbonaceous slags are more stable than iron-enriched slags.

Conclusions: The elemental analyses of granulometric fractions of soils and the artefacts using LAR analyses help in identifying the compositions of each granulometric fraction and give insight into the evolution of artefacts in the soil. These tools are also promising regarding the assessment of geo-environmental characteristics of urban soils, which in turns provides relevant information regarding management and reuse.

Keywords Carbon • Construction and demolition wastes • Excavated soils • Least-absolute regression • Sulfur • Trace elements • Urban soils

1 Introduction

Growth of cities leads to significant increases in demand for resources and construction materials (Rivas et al. 2006; Huang et al. 2010; Magnusson et al. 2015). In metropolitan areas, because of land-use changes, this leads to depletion of natural resources for construction (Rivas et al. 2006), and materials having to be imported and transported over long distances (Ioannidou et al. 2015). This increases global projects costs (Magnusson et al. 2015). Specifically, in the field of earthworks, the amounts of materials needed for the construction of the subgrade layers of structures can be huge (Cabello Eras et al. 2013; Capony et al. 2013).

In this context, (re-)using excavated urban soils from foundation layers as new earthwork construction materials in urban areas appears much more environmentally sustainable and promising. For civil engineering projects, it improves resource efficiency and reduces both costs and climate impacts (Magnusson et al. 2015). The management of excavated urban soil (re-)use in earthwork is governed by geotechnical and geo-environmental soil properties. Geotechnical properties determine whether the material has the required mechanical specifications before use in construction projects (Lenoir et al. 2016; Preteseille and Lenoir 2016). Besides, the geo-environmental properties assess the toxic potential of these materials (Mantis et al. 2005; Jean-Soro et al. 2015).

As urban soils were already used as base and subgrade materials, it is logical to suppose that they have adequate mechanical properties to support new construction projects. The geo-environmental properties of urban soils have been studied for several decades (Solomon and Harford 1976; Chen et al. 2005; Lorenz and Kandeler 2005; Rossiter 2007; Morel et al. 2015). Deeply impacted in their composition by human activities (Séré et al. 2010), they are composed of natural and anthropic materials (Morel et al. 2015) and may exhibit several types of pollution, such as construction and demolition waste (C&DW), metal pollution, or organic pollution (Chen et al. 2005; Lorenz and Kandeler 2005; Norra et al. 2008; Magnusson et al. 2015).

Nevertheless, because they are more closely related to biomass production or human activities, only top soils (i.e. about the first 50 cm) of urban matrixes are generally studied (Salvagio Manta et al. 2002; Chen et al. 2005; Hanna et al. 2009; Sun et al. 2010; Wei and Yang 2010; Bech et al. 2011; Jean-Soro et al. 2015; Pariente et al. 2015; Zhao and Hazelton 2016; Cai et al. 2017; Nezat et al. 2017). During earthwork operations, the surface layer is removed and landfilled to be sure to remove potential surface organic matter and potential surface pollution. Earthmoving programs concern depths beyond 1 meter (Cabello Eras et al. 2013). There is clearly a need for complete characterization of the geotechnical and geo-environmental properties of the urban soils underneath the first horizons. Some studies on urban and industrial soils have attempted such a characterization using pedological pits (Lu et al. 2003; Lorenz and Kandeler 2005; Douay et al. 2008; Norra et al. 2008; Luo et al. 2009; Huot et al. 2014a, 2014b; Burlakovs et al. 2016). However, though the pit depths were large enough to encompass earthwork depths, the excavated volumes were relatively small, with surface areas around 1 m², and with discrete sampling on the earthwork operations scale. Such approaches appeared too limited to allow any conclusions whether using the urban soils was viable. Few studies have dealt with both pedological and

representative statistical approaches (Lu et al. 2003; Douay et al. 2008; Luo et al. 2009) and lower horizons of urban matrixes are still not well defined. For example, few studies have handled subgrades of park areas, whose foundation layers present high pollution variability and potentially significant loads (Lu et al. 2003; Lorenz and Kandeler 2005). The subgrades of industrial sites are better known. Considered as archives of past industrial activities, they often incorporate mixed and stacked layers of slag, ashes, tar, sludge and coal burning waste (Douay et al. 2008; Huot et al. 2014a, 2014b). Enrichment with C&DW is also usual because of surface remodeling (Magnusson et al. 2015; Morel et al. 2015). It is well known that all these anthropic inputs, also defined as artefacts, can associate in unusual assemblages and spread rapidly (Legudois et al. 2016).

To understand and predict the behavior of Technosols under new physical and chemical conditions (e.g. excavation, compaction, treatment) within the context of recycling and reuse of the materials, distribution of artefacts must be known. Such knowledge is a prerequisite for a proper understanding of weathering processes and related potential for pollutant release.

This study investigates the geo-environmental properties of two urban Technosols located in Paris and considered for reuse. To this aim, the study combines the geological and geotechnical characterization of the two Technosols with the contribution of artefacts to its chemical composition. This last part involves soil sorting into four granulometric fractions, their characterization in term of elemental composition and the comparison with the artefacts. The granular fraction (> 4 mm), was sorted into relevant artefact families (Coronado et al. 2011). Distributions of trace elements such as heavy metals (Ba, Co, Cr, Cu, Mn, Ni, Pb, Sr, V and Zn), major elements (Si, Al, Fe, Ca, S, C_{Total} and C_{Organic}) and intermediate elements (Mg, K, Na, P, Ti) in the different fractions and different families were quantified and discussed. The detailed analysis of artefact families gives ideas about their nature and helps to identify physical and chemical markers or sources of contamination. Finally, in coupling chemical analysis with a least absolute residuals procedure (LAR), attempts have been made to quantify the amount of each family in the three fractions as well as in the whole soil fraction.

2 Materials and methods

2.1 Sampling

The first material, denoted SB, originates from the subgrade of a former industrial site located in the south west of the town of Boulogne-Billancourt, near Paris, France, along the Seine River (S~110,000 m² - Fig. 1). The second material, denoted SI, originates from a partially plant-covered area including an embankment of the Paris ring road, near the Seine River (S~20,000 m² - Fig. 1).

Samples were taken using power shovels at a depth between 1.5 m and 11 m during earthwork operations. Several 50 kg samples were taken randomly. In all cases, between 1 T and 1.5 T of material were selected. Visual observations in the field allow forecasting for coarse-grained matrixes. After transportation to the laboratory, materials were dried at 40 °C. Soil matrixes were then sieved and the

fraction > 20 mm (9 % for SB and 10 % for SI) was crushed and reintroduced in each matrix as is done in the field of earthworks. Finally, they were manually homogenized with a shovel and stored at room temperature in a protected tank (Fig. 1).

2.2 Characterization

2.2.1 Geotechnical identification

To foresee the materials that could be present on the site, geological and historical research was done, completed by geotechnical identification. That included grain size distribution (AFNOR 1992a, 1992b, 1996), determination of liquid limit (W_L), plastic limit (W_P), plasticity index (I_P), estimation of the clay activity $A = I_P/C_{2\mu m}$ (AFNOR 1993, 1998). In addition, loss on ignition (LOI) at 550°C (AFNOR 2007) and particle densities (ρ_d) before and after heating at $T = 550^\circ\text{C}$ were measured for the < 2 mm granulometric fraction (AFNOR 2008).

2.2.2 Sorting test

The materials were sorted into four granular fractions: 1- Whole material: 0- D_{max} , 2- Fine fraction: 0-80 μm , 3- Intermediate fraction: 80-400 μm and 4- Coarse fraction: 400 μm – D_{max} . Artefacts were then sorted following standards (AFNOR 2009a, 2012), considering a threshold of 4 mm for particle diameter. We considered 6 artefact families: R_c contains concretes, concrete products (including hydraulically bound material), mortars, concrete masonry units; R_u contains unbound gravel, natural stones; R_b contains terracotta units such as bricks and tiles, and non-floating cellular concretes; SF contains magnetic slags; SNF contains non-magnetic slags; G_y contains gypsum components; and X_1 contains aggregated fine-grained material. Before further analysis, each family was washed quickly on a 4-mm sieve, and LOI at $T=450^\circ\text{C}$ and $T=550^\circ\text{C}$ (AFNOR 2013) and ρ_d were determined.

2.2.3 Chemical analyses

Elemental occurrences were obtained using X-ray fluorescence (XRF). A Brucker M4 TORNADO laboratory instrument equipped with an Rh X-ray tube operated at 50 keV and 300 μA was used. X-ray fluorescence was measured using a silicon drift detector with a spot size of 25 μm (Jean-Soro et al. 2014). XRF spectra were measured under vacuum on the granular fractions and the artefact families ground to a diameter < 40 μm . For each fraction, 96 spectra were collected, and for each artefact, 30. They were normalized on the Compton peak (i.e. peak maximum set to 1) and limited at the Rayleigh peak (~20 keV). To study chemical correlation, the elemental composition of artefact families was analyzed semi-quantitatively by applying a semi-automatic method provided by the software 'Esprit' coupled with M4 TORNADO. Mean XRF spectra were then determined.

We accurately quantified elements on both granular fractions and artefacts with Inductively Coupled Plasma-Optical Emission Spectroscopy - ICP-OES (AFNOR, 2001, 2009b) using a Varian 720 ES, after mineralization with a mixture of HF and HClO₄ and alkali fusion with lithium tetraborate for silica content. Carbon (Total Carbon and Total Organic Carbon) and sulfur contents were determined using a LECO SC144 C/S analyzer.

All the chemical analyses, LOI, ρ_d , correlations from XRF analyses and mean XRF spectra are provided in an accompanying Electronic Supplementary Material (ESM).

2.3 Least absolute residuals procedure (LAR)

Based on measurements from the chemical analyses (ICP, C/S measurements and LOI), a least absolute regression approach was applied to quantify the content of the six artefacts in the four granular fractions. This approach is known to be less sensitive to outliers than other fitting methods. In addition, to make sure of equal weight between data, each absolute difference was normalized.

We named the sets of experimental measurements as follows:

- on the three granular fractions and the whole material, $Meas._f$ (i.e., $Meas._{<80\mu m}$, $Meas._{80-400\mu m}$, $Meas._{>400\mu m}$, and $Meas._{WM}$)
- on each family of artefact, $Meas._i$ (i.e., $Meas._{SNF}$, $Meas._{SF}$, $Meas._{Ru}$, $Meas._{Gy}$, $Meas._{RC}$, $Meas._{Rb}$)

Considering the j measurements in each set, the aim of the approach is to find, for each fraction f , a set of six coefficients q_i that minimizes the difference between predicted and observed values:

$$\sum_j \frac{\left| Meas._{f,j} - \sum_i q_i Meas._{i,j} \right|}{Meas._{f,j}}$$

Calculations have been done using Microsoft Excel Solver.

3 Results and discussion

3.1 Materials characterization

3.1.1 Geological origin

In both cases, the materials originated from a geological deposit that is defined as old alluvium. It was deposited by the river at different stages of the morphological evolution of the site and consists of millstone grit, flint, limestone, granitic rocks and jurassic cherts. Since then, anthropic activities have impacted the natural deposit for several millennia, leading to a material defined as backfill (Fig. 1). It

consists of original soil wastes (e.g., demolition waste, gypsum from plaster) and excavated materials from quarries (e.g., sand, chalk, natural gypsum) mixed eventually with original soil (BRGM 1973).

Material SB originates from a site used for tannery and laundry, since the industrial period of the 18th century. In the 20th century, automotive industries operated on the site (Hatry and Mercier 1991). That stopped at the end of the century. Deconstruction and depollution operations were conducted in accordance with the French Environment Code on classified facilities for environmental protection.

Material SI originates from the subgrade of the 19th century wall that surrounded Paris. After it was deconstructed in the beginning of the 20th century, the site became a slum. Since the 1970s, part of it was used as a subgrade layer for an embankment of the ring road, and the rest was converted into a private park. Several industrial sites have been operating in its vicinity.

3.1.2 Geotechnical classification

Both materials SB and SI can be considered as silty sand and silty gravel (Fig. 2). They are classified at the edge of A-6 and A-2-6 according the ASHTOO classification (ASTM 2009), SM according to Unified Soil Classification System (ASTM 2011) and at the edge between C1A1 and C1B5 according to the French soils classification (AFNOR 1992a). In accordance with literature (De Kimpe and Morel 2000; Biasoli et al. 2005; Sun et al. 2013), clay contents are low (< 15 %) and the clays tend to be inactive in SB and have normal activity in SI.

Loss on ignition at 550 °C are 14.6 % for SB and 6.8 % for SI. Such high levels have already been noticed in the depth of Technosols. They are related to previous human activities (e.g., industrial operations) and result from the presence of ash, coal and coke (Huot et al. 2014b; Lorenz and Kandeler 2004). Because of compaction and partial sealing of these deep layers (Wei et al. 2014), the microbial activity is too poor to degrade organic matter, which results in stable organic matter stocks at these depths. C&DW are also known to be sensitive to heating (Asakura et al. 2010) and especially plaster and gypsum materials that bind water loosely or even degrade at low temperature (Chindapasirt et al. 2011).

Particle densities are $\rho_d = 2.52$ (standard deviation $\text{std} = 0.01$) g/cm³ for SB and $\rho_d = 2.57$ ($\text{std} = 0.02$) g/cm³ for SI. Values are lower than the usual particle densities found in natural soils of around 2.6-2.8 g/cm³ (Blanco-Canqui et al. 2005), and slightly higher than C&DW particle densities (around 2.3-2.6 g/cm³ given by Arulrajah et al. (2013), Asakura et al. (2010), Silva et al. (2014). In accordance with observations from LOI, after calcination at 550°C, densities reach 2.7-2.8 g/cm³.

3.1.3 Sorting test

After sorting the granular fraction (particle size above 4 mm) in class of artefacts (Table 1), both matrixes exhibit a low amount of floating particles (less than 1 %). In this specific granulometric fraction, SB is composed of around 30 % of gravels (R_u) and 25 % of non-magnetic scoria (SNF). At amounts above 15%, occurrences of aggregated fine particles (X_1) and concrete products (R_c) are also noticeable. The amounts of gypsum components (G_y) and magnetic scoria (SF) are small (4 %) but not negligible. A small occurrence of terracotta materials (R_b) has also been detected.

Non-floating particles in the granular fraction of SI are divided into three main classes; 44 % are gravels (R_u), 33 % aggregated fine particles (X_1) and 13 % non-ferruginous scoria (SNF). The amount of gypsum components (G_y) is 5 %. Concrete products R_c , ferruginous scoria (SF) and terracotta materials (R_b) are present in small amounts.

Even if for SB the high content of concrete products is the fingerprint of the former industrial function and of construction-deconstruction processes (Ding and Xiao 2014), the two materials present features that are not in accordance with usual C&DW. Firstly, there is no wood, plastic, paper or rubber and the amount of bricks is very low (Poon et al. 2001; Bianchini et al. 2005; Ding and Xiao 2014). Secondly, natural gravels and stones (R_u) are classically not considered in the literature as C&DW (Magnusson 2015). The high amount of this material in both cases highlights the former backfill origin on the one hand, and the function of subgrade for structures on the other hand. However, for SB, The noteworthy amounts of SNF and SF could also be a distinctive feature of industrial activities.

Given their composition on the granular fraction and use over recent decades, both matrixes can be considered as Ekranic Technosols. For SB, the addition of the supplementary qualifier Spolic is also relevant (IUSS Working Group WRB 2015).

3.2 Chemical analyses

3.2.1 Granulometric fractions of the two materials SB and SI

For both materials, all peaks measured on the whole material were found for the three granular fractions with similar intensities as illustrated for material SB in Fig. 3. In addition, the mean spectra from the two whole materials are very similar (Fig. 4). Magnesium (Mg), aluminum (Al), silicon (Si), sulfur (S), potassium (K), calcium (Ca), titanium (Ti), chromium (Cr), iron (Fe), manganese (Mn), nickel (Ni), copper (Cu), zinc (Zn), lead (Pb) and strontium (Sr) were detected. Presence of phosphorous (P), sodium (Na), chlorine (Cl), barium (Ba), rhenium (Re), rubidium (Rb), yttrium (Y), zirconium (Zr) and molybdene (Mo) can also be suspected.

Figure 5 and Fig. 6 summarize the contents of main major elements (Si, Al, Ca, C and S) and trace elements (Ni, Ba, Cr, Cu, Mn, Sr, Zn, Pb) in the different granulometric fractions and on the whole material (WM) measured with ICP-OES.

-Major elements

For both materials, approaches with ICP-OES and XRF show that SiO₂ contents vary with granulometric fraction. The finer the fraction, the lower the content. The occurrence of clay minerals in the fine fraction is not enough to explain these differences. Increasing Si in the intermediate and coarsest fractions may originate from the original matrixes (e.g. Si-rich minerals like quartz) but it could also be due to the introduction of technogenic material (Norra et al. 2006; El Khalil et al. 2008, 2013).

Total carbon (CO_{2tot}) is the second main component of the two materials. Amounts of CO_{2org} and CO_{2tot} are highly correlated, with a determination coefficient R²=0.94. In both cases, the amounts of CO_{2org} are lower in the finest fraction.

For both SI and SB materials, Ca is the third main component of soils. Measures from ICP-OES are in agreement with XRF semi-quantification. The amount of CaO is the highest in the fine fraction, and similar in the intermediate and coarse ones. It represents 18 % and 21 % of the whole fraction of SB and SI respectively. Calcium carbonates, such as calcite CaCO₃, are one of its main speciations in soils (Hillel 2005). Moreover, in C&DW, calcium is also found as sulfate (CaSO₄, xH₂O), like gypsum in plaster/drywall (Jimenez-Rivero and Garcia-Navarro, 2017; Lee et al. 2006). This hypothesis is plausible for these two materials, SO₂ contents can be estimated reasonably around 1-2 % for SB and 3-4 % for SI.

In accordance with analyses by ICP-OES, XRF spectra suggest that both materials contain significant amounts of Fe. Its occurrence seems to be independent of the granulometric fractions. In both cases, Fe concentrations are above 3,500 mg/kg_{dm}, which is the common average for soils (Kabata-Pendias 2010). Part of Fe in SB and SI can be imputed to anthropogenic contributions (El Khalil et al. 2011).

To complete the analysis of major elements, for both the materials, XRF showed that [Al]_{<80 μm} > [Al]_{>400 μm} > [Al]_{80-400 μm}. IPC-OES results confirm this trend; the contents of [Al₂O₃] in the fine fraction are around 1% higher than in the coarsest fraction and 2% higher than in the intermediate fraction. This is usual, considering that Al comes from clay minerals in the clay fraction (<2 μm). However, further investigations must be done to determine if this noteworthy occurrence of Al in the coarsest fraction is natural or can be attributed to anthropic contributions.

-Intermediate elements

Elements K, Na, P, Mg, Ti and Mn are considered to have an intermediate occurrence in between the major and trace elements. Except for Ti, XRF analyses cannot give relevant information about these elements. The method is not sensitive to Na, and backgrounds (from Fe, Ca and Si) can lead to interference and poor estimations of their contents (Fig. 3 and Fig. 4).

The amounts of K are around 6,000 - 8,000 mg/kg_{dm} regardless of the material origin and granulometric fraction. The Na contents seem also to be separated from granulometric fraction but are higher in SI than in SB. Never found as free solids in nature, K and Na can be associated with several minerals or brought by several anthropogenic activities (Hammond 2003). The difference between the matrixes could be attributed to salt used as a de-icing agent for roads in the case of SI (Bryson and Barker 2002).

However, Na or K occurrence in soils is highly variable and their concentrations in both materials remain far from extreme contents (Reimann and de Caritat 2002; Alekseenko and Alekseenko 2014).

Levels of P are similar to regular standards for SB and slightly higher for material SI (Reimann and de Caritat 2002; Alekseenko and Alekseenko 2014). In SB, the P content is twice as high in the finest fraction than in the coarsest fraction. Measurements are relevant regarding the phosphorous cycle. After alteration of primary minerals, P may be adsorbed on clay minerals, Fe or Al oxy-hydroxides, or CaCO_3 surfaces (Hillel 2005). This may explain why the P levels increase in finest fraction of SB. This tendency is not observed for SI, where the content of the coarse fraction is higher than the content of the two other fractions. This distribution is hard to explain. Roads are sources of P (Withers and Jarvie, 2008) but it is then adsorbed to small particles in the road structure (Wu et al. 2015).

Content of Mg is around two times higher in the fine fraction than in the two others for both materials. It is also twice as high in SI as in SB. This is relevant with the geochemical processes that govern Mg geochemical behavior. After alteration of primary mineral, Mg is found in secondary silicate clay minerals like chlorite, vermiculite, illite, and montmorillonite, in organic matter as exchangeable cations, and in soil solutions (Hillel 2005). For SB, measured levels are not critically high. By contrast, for SI, they are a bit high in comparison with regular standards (Reimann and de Caritat 2002; Alekseenko and Alekseenko 2014). Magnesium chloride (MgCl_2) is a well-known road de-icing agent (Nelson et al. 2009) while Mg alloys are also commonly used in cars.

Interestingly, magnesium, phosphorus and potassium are often considered as secondary (Mg) and major (P and K) crop nutrients. Their occurrences show that the soils may have recreational/ecological potential (Hillel, 2005) despite their previous use as subgrade layer.

XRF and ICP-OES show that both materials contain Ti with $[\text{Ti}]_{<80 \mu\text{m}} \sim [\text{Ti}]_{>400 \mu\text{m}} > [\text{Ti}]_{80 - 400 \mu\text{m}}$, regardless of the materials. Ti minerals are very resistant to weathering and occur practically undecomposed in soils. When Ti-bearing silicates are dissolved, the element is readily transformed into Ti oxide-aquate, which is transformed to anatase or rutile (Cornu et al. 1999, Kabata-Pendias 2010). However, anthropic use as Ti-alloys or Ti-paints can also be a significant source of this element in anthropogenic soils (Bech et al. 2011). As for Al, the observed uncommon distribution in the three granulometric fractions could reflect that titanium in the fine fraction originates from natural processes whereas these two elements may originate from anthropic sources in the coarsest fraction. Levels are similar for both soils and do not exceed critical concentrations (Reimann and de Caritat 2002; Lopez-Garcia et al. 2004; Kabata-Pendias 2010; El Khalil et al. 2013; Alekseenko and Alekseenko 2014).

Finally, the results tend to show that the Mn content does not depend on the granulometric fraction. This element is relatively mobile in soils and is known to readily concentrate under the forms of secondary Mn minerals after alteration. Colloidal Mn oxides reveal a great affinity for adsorption of cationic and anionic forms of elements as well as inorganic and organic substances (Kabata-Pendias, 2010). In both materials, measured levels are typical of most natural and anthropogenic soils (Reimann and de Caritat 2002; Kabata-Pendias 2010; Alekseenko and Alekseenko 2014).

-Trace elements

Metalloids Zn, Cu, Ni and Pb are major pollutants of roadside soils (Munch 1993; Hanna et al. 2009). XRF analysis shows that their concentrations are clearly higher in the finest fraction. Such finding is quite common in soils and may be attributed to sorption processes in relation with higher specific areas (Hillel, 2005). Concentrations also seem to be higher in the 80-400 μm fraction than in the coarsest one but the ranges are similar (Fig. 3 and Fig. 4). For SB, those observations are confirmed by the chemical analysis (Fig. 6), except for copper (Cu). The Cu concentration in the coarsest fraction is around 2.5 times higher than in the finest fraction. For SI, XRF observations are confirmed by chemical measurements, except for Pb, which is sorted as follow $[\text{Pb}]_{>400\mu\text{m}} > [\text{Pb}]_{80-400\mu\text{m}} > [\text{Pb}]_{<80\mu\text{m}}$. In both cases (Cu in SB and Pb in SI), ICP-OES results have to be considered cautiously. They are not consistent with the chemical measurements on the whole fractions and the granulometric fractions. We suggest that "Cu/Pb hot spots" may have been present in the blend of the samples.

In both matrixes, the Zn content was around ten times higher than the general values for average total Zn contents in soils (Reimann and de Caritat 2002; Kabata-Pendias 2010). Higher levels have been measured for urban soils (El Khalil et al. 2013; Alekseenko and Alekseenko 2014), but chemical results clearly highlight anthropic soil contamination (Jean-Soro et al. 2015).

Amounts of Pb are around 100-300 mg/kg_{dm} in both whole materials. The concentrations usually encountered in areas remote from human activity are in the range of 3-90 mg/kg_{dm} , with 27 mg/kg_{dm} as overall mean value (Kabata-Pendias 2010). Even for urban soils, the levels are high (Lu et al. 2003; Cachada et al. 2013; Jean-Soro et al. 2015). Similar levels have been recorded in urban road dusts (Nazzari et al. 2013). Considering the geological origin of the soil and the history of the site, it is probable that the major part of Pb in the matrix originates from human activities.

Concentrations of Cu in the whole fraction of both materials are around 6 to 8 times higher than median total copper concentrations found in uncontaminated soils (WHO 1998). These levels are high, even for urban soils (Lu 2003; Alekseenko and Alekseenko 2014; Jean-Soro et al. 2015) and also higher than the levels found in urban road dusts (Nazzari et al. 2013). As for Pb, suggesting an anthropogenic origin is reasonable.

For SI, loads of Ni are in the range of amounts measured from non-contaminated soils (Kabata-Pendias 2010) and are in line with previous Ni measurements in urban soils (Reimann and de Caritat 2002; El Khalil et al. 2012; Alekseenko and Alekseenko 2014) and in soils near roads (Munch 1993; Duong and Lee 2011). For SB, with around 200 mg/kg_{dm} levels are critically high (Lu et al. 2003; Herselman et al. 2005; Islam et al. 2015). It is clear that the processes of Ni-contamination are different for the two soils.

For Cr, XRF analyses and ICP-OES measurements show that the occurrence of Cr is lower in the finest fraction than in the two others. As previous metalloids, there is a positive relationship between Cr and the fine granulometric fraction in soils (Kabata-Pendias 2010). For this reason, the unusual chromium content sorting in the two matrixes could be interpreted as the result of anthropic sources. Moreover, the measured amount of Cr in the whole SB fraction is high for the measured levels in the three

granulometric fractions, this could be interpreted as the occurrence of Cr-rich compounds. Chromium levels are in the range of levels measured in polluted urban soils (Reimann and de Caritat 2002; Lu et al. 2003; Islam et al. 2015).

For both materials, XRF analyses and IPC-OES measurements show that the occurrence of Sr is higher in the finest fraction than in the two others. Such results are in line with previous studies. After weathering of primary minerals, the predominant cation, Sr^{2+} , is likely to be sorbed under hydrated form onto clay minerals and Fe oxides and hydroxides. The measured contents are similar in SB and SI, and higher than reported Sr backgrounds in natural soils (Kabata-Pendias 2010). However, in some calcareous soils and soils from industrial regions, higher Sr contents have been reported (Alekseenko and Alekseenko 2014). Its various compounds are broadly used in the manufacturing of ceramics and glass but small amounts of Sr can also be found in sedimentary rocks in association with gypsum, anhydrite, rock salt, limestone and dolomite (WHO 2010). In both cases, in the whole fraction of the studied soils, $[\text{Ca}]/[\text{Sr}] > 8$; which is considered as a criterion for the absence of toxicity (Kabata-Pendias 2010).

It is not possible to study Ba with XRF analysis. The L_{α} and $\text{L}_{\beta 1}$ peaks are overlapped by the Ti K_{α} and Ti K_{β} peaks. Its $\text{L}_{\beta 2}$ emission is disturbed by iron backgrounds (Fig. 3 and Fig. 4). Chemical analyses show that for both materials, Ba contents are higher in the intermediate and coarsest fractions than in the finest fractions. But, geochemical behavior of Ba is not well described (Kabata-Pendias 2010) and the measured amounts are not abnormal (WHO 1990; Alekseenko and Alekseenko 2014). In both materials, the ratio $\text{Ba}/\text{Sr} < 1$, which reflects that Ba and Sr are probably bared by different phases (Vodyanitskii et al. 2010).

-Summary of elemental distribution in the granulometric fractions

The elemental analyses on the granulometric fractions highlight that both materials exhibit evidence of anthropic inputs as shown by the high occurrence of Si, C (organic and inorganic), Fe, S and several trace elements. Furthermore, it remains to be demonstrated, but the specific distribution of Al and Ti could be interpreted as further evidence of anthropic inputs. The linkage between XRF and ICP-OES measurements highlight the occurrence of highly concentrated hot spots for some trace elements (Pb, Cu, Cr).

3.2.2 Artefact families

-Gravels (R_u)

Ignition does not have a significant impact on gravels in terms of LOI and particle density (Table 2). XRF and ICP-OES analyses show that R_u families from both soils are very close (Fig. 7 and Fig. 8). Major constituents are Si, Ca and Fe. The occurrence of Mg, Al, S, K, Ti, Mn, Ni and Sr is also observed. These results are in accordance with the history of both sites. Imported gravels for backfilling are siliceous phases and calcium carbonate phases. FeO minerals constitute around 1% for both soils. Analyses with ICP-OES (Fig. 8) also highlight the occurrence of Al, Mg, Na, P, S and Ti in similar ranges

for both matrixes. Considering their relative contents, Al and Na may come from feldspar minerals. Ti may be in the form of TiO_2 and sulfur may be in the form of gypsum.

In SB, elemental correlations from XRF analyses (see ESM) highlight that P and Si are negatively correlated, $R_{(\text{Si}, \text{P})} = -0.81$. This means that P is not linked to silicate. They also show that, $R_{(\text{Si}, \text{Ca})} = -0.77$. That means that Ca and Si tend to be independent, as suggested by the occurrence of siliceous phases and calcium carbonate phases. But the correlation is small, which suggests the occurrence of Ca-Si minerals like Ca-feldspars (e.g. anorthite $\text{CaAl}_2\text{Si}_2\text{O}_8$). In SI, no elemental correlations could be found based on XRF analyses. Amounts of chromium and strontium are higher than 100 mg/kg_{dm}. Other metalloids (Ba, Cu, Ni, Pb and Zn) are present with trace amounts.

-Slags

○ Non-magnetic slags (SNF)

XRF signal from the SNF families' exhibit some similarities (Fig. 7). For both soils, Mg, Al, Si, K, Ca, Ti, Cr, Mn, Fe, Ni Cu, Sr are found in this family. This artefact is also the main carrier of carbon and all carbon is organic (Fig. 8). This explains the high value of LOI and the significant increase in particle density with ignition (Table 2). Despite the similarities between the two soils, numerous differences remain. Firstly, chemical analyses show that the amounts of major and intermediate elements are not similar in the soils. Specifically, the amount of $\text{CO}_{2\text{TOT}}$ in SB is highly higher than in SI. Secondly, for SI, the SNF family carries a high amount of Zn and Pb while it is not the case for SB. In a similar way, amounts of barium, copper and vanadium are lower in the SNF family of SB. On the contrary, nickel is more present in the SNF family of SB.

In SB, elemental correlations from XRF analyses highlight that Si, Fe Al, K, Ti and Ni are correlated with Ca with $R_{(\text{Ca}, \text{Si-Fe-Al-K-Ti-Ni})} > 0.80$. It must be noted too that $R_{(\text{Si}, \text{Al})} > 0.90$. Close correlations are also identified in SI, with Mn instead Ti and Ni with $R_{(\text{Ca}, \text{Si-Fe-Al-K-Mn})} > 0.8$. It is also interesting to note that Ti is still correlated with K and Fe, with $R_{(\text{Ti}, \text{K-Fe})} > 0.80$. As for SB, $R_{(\text{Si}, \text{Al})} > 0.90$, but this time, K show a very strong correlation with Fe and Al with $R_{(\text{K}, \text{Fe-Al})} > 0.90$.

All these results show that the source of these slags is not the same for the two matrixes. Nevertheless, they are quite close and these analyses suggest that they contain at least one common organo-mineral phase, with mineralogy composed of a Ca-Si-Al-Fe-K-Ti cluster. This kind of relationship is commonly found in biomass ash (e.g. municipal solid wastes, refuse-derived fuel, coal, sewage sludge). Fe-Si-Al-Ti, Ca-Mg-Mn and K-P-S-Cl complexes are usually considered as end-members in ash classification (Ollila et al. 2006; Adnan et al. 2013; Vassilev et al. 2013; Folgueras et al. 2017). These phases are often enriched with pollutants such as trace elements and sulfur (Vassilev et al. 2009, 2013). Note that barium is regularly observed in landfill sites (Burlakovs et al. 2016; Jani et al. 2016) and can be linked as barium sulfate to bottom ash (Rigo et al. 2009). Vanadium is also commonly found in slags (Chaurand et al. 2006, Tossavainen et al. 2007).

○ Magnetic slags (SF)

.XRF signals from the SF families' exhibit (Fig. 7) some similarities between the two materials. Amounts of iron are very high. Some elements are also common for both soils: Al, Si, S, K, Ca, Ti, Cr, Mn, Ni, Cu, Rb, Sr and Zr. For both cases, a structure at 12.8 keV near the Pb L_{β} peak is not identified. It could be the thorium L_{α} peaks but other distinctive features (L_{β} and M) are not observed or are lost in other signals (e.g., Th L_{β} in Zr K_{α}). The amounts of elements are different. Calcium and copper contents seem higher in the SF family of SI and the SNF family contains Zn and Pb, yet SB does not. Chemical analyses confirm that iron is the major element but its content is 12 % higher in the SF family from SB. On the contrary, the amounts of CO_{2TOT} are 8% higher in the SF family from SI. These results are in accordance with observations on LOI and ρ_d (Table 2). Amounts of major and intermediate elements in the two SF families are different too, so there are similarities but the accurate speciation of SF in the two materials is different.

On the other hand, the SNF family and the SF family seem to be very similar in the in two materials. First, in both a very large part of the carbon is organic. Second, they carry the main part of trace elements. Finally, for the SI, elemental correlations from XRF analyses highlight that Ca, Si, Fe, Al, K, Ti and Ni are strongly correlated with correlation coefficients R around 0.90 regardless of element studied. S is also linked to this complex with $R_{(S,Ca-Si-Al-K)} > 0.80$. As for SNF, this is still typical of biomass ash mineralogy (Vassilev et al. 2009, 2013). It suggests that the origins of slags are similar, regardless of their magnetic behavior. Unfortunately, elemental correlations from XRF analyses were not performed for the SF family in material SB.

-Concrete products (R_c)

XRF spectra of R_c are similar for the two materials. The following elements are present in both matrixes: Al, Si, S, K, Ca, Ti, Cr, Fe, Fr and Zr. Additionally, Cu and Zn are found in the R_c family of SI. Chemical analyses of major elements (Fig. 8) show that this family exhibits similar features for the two materials. Specifically, relative contents of SiO_2 and CaO are around 60% and 15%. In most cements, percentage of CaO is around 60%, while percentage of SiO_2 is around 20%. The cement represents around 15-20% of the concrete dry matter, it appears that used materials in concrete were highly siliceous. Considering the calcareous geology of the Paris Basin (BRGM 1973), silica probably comes from sand-lime materials from the Seine River. Since the eighties, it has been forbidden to use the river material for concrete production. This point highlights that in both cases, concrete products date from earlier.

Moreover, for both materials, the amounts of CO_{2org} , SO_2 , FeO (and CO_{2inorg} for R_c in material SI) are a bit high for concrete products. SO_2 and FeO could come from cement phases. However, the amounts of intermediate elements show that S and Fe have another origin than cement (Saiz Matrinez et al. 2016). In accordance with the excess of CO_2 and the occurrence of Zn and Cu in SI and Ba in both SB and SI (Fig. 9), we can suggest that these occurrences result from the presence of slags in this family. This supposition is confirmed by correlation from XRF analyses. In the R_c family of material SI, Si, Al and S are correlated with $R > 0.8$, as in the SF family. It is also interesting to note that $R_{(Ca,Si-Al-S-Mn)} > 0.7$. A close

correlation of 0.8 between these elements is found in the SNF family. This mixing probably comes from the sorting process. In practice, it is visually difficult to distinguish the families of small particles. This is especially noticeable for SI, with low R_c . It may have been complicated to exclusively select particles of this family, without any contamination from the dust of the other families. This is confirmed by LOI measurements (Table 2). It cannot be explain only with the loss generally attributed to non-evaporable water for this kind of material (Haecker et al. 2005; Asaruka et al. 2008).

-Gypsum components (G_y)

Ignition has a clear impact on these artefacts in terms of loss and densities, as does drying temperature (Table 2). They gain more than 0.4 g/cm^3 after calcination. These results are in accordance with the knowledge on the relationship between LOI and gypsum material (Santisteban et al. 2004; Chindaprasirt et al. 2011). As for previous families, the two XRF spectra are very close (Fig. 7). Major elements in the spectra are S, Ca, Si, Fe and Sr. Traces of Ti, Cr, Mn, Ni and Zn were detected. In accordance with these results, chemical analyses on major elements show that Ca and S are the major components (Fig. 8). In addition, elemental correlations show that they are highly correlated ($R_{Ca-S} > 0.9$). The amounts of CO_{2inorg} are not negligible and it shows that calcareous materials can be found in G_y . This is also confirmed by the amount of Mg. This suggests the occurrence of a dolomite-like mineral ($CaMg(CO_3)_2$) in both matrixes. Sr levels are high (Fig. 9): 1,155 and 1,310 mg/kg_{dm} in the G_y families of SB and SI respectively. This association between gypsum and strontium in brine media, such as the Paris Basin, is common (Kushnir 1980; Fontes and Matray 1993; Rosell et al. 1998). Therefore, the occurrence of this element can be considered as resulting from the geological background.

-Terracotta units (R_b)

In both cases, bricks amounts are very small. XRF analyses show the noticeable occurrence of Mg, Al, Si, P, S, K, Ca, Ti and Fe (Fig. 7). These elements are commonly found in ceramics. In terms of major and intermediate elements, amounts are in accordance with chemical composition of bricks (Cultrone et al. 2001; Lin et al. 2010) but they show that bricks do not have the same origin depending on the material (Fig. 8). XRF analyses also highlight the occurrence of trace elements such as Cr, Mn, Ni, Cu, Zn, Pb, Sr and Zr. Chemical analyses show the presence of barium and vanadium (see ESM). In both materials, Ba, Cr and V show noticeable amounts. SI also has noticeable zinc and lead contents (Fig. 9). These elements occur because of a small contribution of the dust from other artefacts, especially slags and gypsum.

-Aggregated fine soil (X_1)

For the two materials, the XRF signal from the X_1 family is superimposed onto the XRF signal of the whole material (Figs. 3, 4 and Fig. 7). For SB, on average, the elemental content ratio of the whole material over this artefact scores 1.20 (standard deviation = 0.78) versus 1.07 (0.51), 0.86 (0.35) and 1.08 (0.55), when considering the ratio between the whole material and its fine, intermediate and coarse fractions, respectively. For soil SI, the ratios become 1.02 (0.37) against 1.05 (0.34), 1.15 (0.65) and 1.18 (0.89). These results suggest that X_1 is close to the fine fraction. High levels of trace elements and

LOI and ρ_d measurements, which are characteristic of artefact families (Fig. 9), highlight that this fraction is a mix between anthropic and natural material, as suggested for the fine fraction of landfill materials (Jain et al. 2005; Jani et al. 2016).

-Summary of the sorting test

The sorting test shows that both materials are a mix between natural gravels and anthropic material such as slags (magnetic and non-magnetic) and concrete products. Gypsum material present may be natural and/or anthropic. Linked with XRF and ICP-OES analyses, the test also shows that slags carry metallic and carbonaceous pollution and that gypsum components carry sulfur and strontium. Those results can be linked with physical considerations. Trends of Sr and Ni increasing with the amounts of fine grains (Fig. 6) should indicate that amounts of G_y and SF are higher in the intermediate and fine fractions than in the coarsest one. On the contrary, the trend of total carbon being lower in the finest fractions than in others may indicate that the amount of SNF in the whole material is lower than in the coarsest fraction. Finally, the artefacts defined as aggregated fine soils are a mix of all kind of artefact families. This X_1 family is also close to the fine fraction original materials.

Interestingly, it has to be noted, that pollutant-bearing phases (SNF, SF and G_y) exhibit noteworthy physical properties. With $\rho_d=2.4 \text{ g/cm}^3$, the densities of SNF and G_y are the lowest, while, in addition of its magnetic behavior, with $\rho_d=3.7\text{-}4.0 \text{ g/cm}^3$, the densities of SF are the highest.

4 Quantification of the contributions of artefacts to the granulometric fractions

Herein, we report how we tried to retrieve the percentage (in mass) of the artefacts that constitute the materials. To do so, we established a statistical link between the measurements for element content that characterize the artefacts and those that characterize the whole matrixes fractions to build a linear model using least absolute residual error (LAR) procedure. These represent the contribution (in mass) of the artefacts to the whole mixture and are discussed below. We address data consistency by comparing the measure values and the predicted values using LAR procedure for the whole matrixes.

4.1 Determination of outliers in measured data

As fitting approaches are very sensitive to outliers, they must be identified at first to be discarded for the statistical procedure. To do so, we firstly computed the equivalent value for the whole matrixes (Meas.SieveRec) from specific values obtained for the granulometric fractions ($\text{Meas.}_{<80\mu\text{m}}$, $\text{Meas.}_{[80-400\mu\text{m}]}$, $\text{Meas.}_{>400\mu\text{m}}$) and considering their mass ratios:

$$\text{Meas.SieveRec} = 37 \% \text{ Meas.}_{<80\mu\text{m}} + 16 \% \text{ Meas.}_{[80-400\mu\text{m}]} + 47 \% \text{ Meas.}_{>400\mu\text{m}} \text{ (mat. SB)}$$

$$\text{Meas.SieveRec} = 32 \% \text{ Meas.}_{<80\mu\text{m}} + 19 \% \text{ Meas.}_{[80-400\mu\text{m}]} + 49 \% \text{ Meas.}_{>400\mu\text{m}} \text{ (mat. SI)}$$

Theoretically, $Meas_{SieveRec}$ should match the set of measurements done on the whole fraction ($Meas_{WM}$). For both materials SB and SI, the relative errors between $Meas_{SieveRec}$ and $Meas_{WM}$ were computed to assess the consistency between the two measures and are depicted in Fig. 10. Any given measurement is considered as an outlier when its ratio exceeds 20 % in absolute value.

For SB, thirteen measurements out of twenty-seven were of concern, specifically trace elements such as Ba, Cd, Cr, Cu, Mn, Mo, Pb, V and Zn. These results highlight previous observations about the occurrence of rich spots. Measurements for silicon content and LOI at 450 °C and 550 °C also had inconsistency. Carbon-rich slags were probably present in the sample of the whole material. The S measurement must also be considered as outlier. This is a bit surprising because S is mainly borne by gypsum as strontium and calcium and these two last give consistent measurements. The sum of percentages of the rest (i.e. the data that ensures a relative error lower than 20 %) scores 38 %, which is indicative of the correctness of the data.

For SI, fewer measurements are inconsistent. Trace metallic elements such as Ba, Mo, Pb and Zn were still found as outliers. LOI at 450 °C was also of concern, but it is close to the boundary, with 21 %. Two intermediate elements Ti and P can be defined as outliers. The correctness of the data is 153 %.

4.2 Results of least absolute residuals (LAR) procedure

For both materials, X_1 is close to the original material. To avoid problems linked to redundant data and related non-uniqueness of estimated parameters, we decided to avoid the implementation of this family in the statistical procedure. Initial calculation conditions were the amount of each artefact family in the granular fraction (Table 1) weighted by the lack of X_1 . They are respectively for SNF, SF, R_u , G_y , R_b and R_c :

- In SB: 30.5 %, 5 %, 36.5 %, 4.7 %, 2.2 % and 21.2 %.
- In SI: 20 %, 2.1 %, 65.4 %, 7.4 %, 2 % and 3.2 %

4.2.1 Calculations without constraints

Results of mathematical regression without constraint are summarized in Table 3. TOT is the sum of the artefact weights. Exact. is the sum of distances between the model and the experimental measurements (expressed in percent). It quantifies the exactness or sensitivity of the model to compare with the correctness of the data.

Not all the results are physically relevant, but some interesting information can be tapped. In the case of SB, the exactness of the model is between 90 and 280 %. For SI, the exactness is around 300 % with an exception for the fine fraction that exhibits a value of 650 %. It is higher than the correctness of the data but the order of magnitude is the same (less than 10 times higher). Interestingly, in both cases, the

sum of artefact weights are relevant for a non-constrained approach. And even more, 5 reconstructions on 8 give sums of artefacts that are less than 10 % far from 100 %.

- Reconstruction of granulometric fractions of SB

In all the granulometric fractions, determined amounts of SNF and SF are relevant with initial conditions of calculations (i.e. the amount of each artefact family in the granular fraction).

With extreme values, amounts of R_c , R_u , G_y and R_b in the coarsest fraction ($>400 \mu m$) are clearly not relevant. In the three other fractions, calculated amounts of R_u are satisfying. Amounts of R_c are also satisfying in the intermediate fraction but they are too far from initial conditions of calculations in the fine fraction and in the whole material. Amounts of G_y are relevant in the whole material and intermediate fraction, but clearly too high in the fine fraction. For R_b , amounts are relevant in the whole material and in the fine fraction.

- Reconstruction of granular fractions of material SI

In the whole material, amounts of SNF, SF and R_u are relevant with initial conditions, even if occurrence of R_u is a bit low. However, the amounts of R_c , G_y and R_b are clearly wrong. R_c is far too high in the granular fraction. By contrast, the reconstruction of the $<80 \mu m$ fraction is satisfying for all artefacts. In the $80 - 400 \mu m$ fraction, the amounts of SNF, SF are relevant with initial conditions. The amount of R_u is a bit low, while the amounts of G_y , R_c , R_b are too high. In the coarsest fraction, except for R_u , which is a bit low, all amounts are relevant with CI.

4.2.2 Calculations with constraints

For this computation, we considered for the new initial conditions the results of the LAR procedure without constraints, which are detailed in Table 3. The first constraint is that all total sums (TOT) have been set to 100%. Then, based on previous observations and chemical results, other constraints have been determined for calculations. Results are detailed in Table 4.

After calculations, in the case of SB, the exactness is around 1 to 1.5 times higher than the exactness of the modeling without constraints, except for the coarse fraction, 2.4 times higher. For SI, the exactness is very close to that of the modeling without constraint.

- Reconstruction of granular fractions of SB;

For the whole material, WM, the results from simulation without constraint were satisfying, except the amount of R_c that was too high. Therefore, for this new simulation, the amount of R_c has been set less than 25 %, which is consistent with the amount of R_c in the granular fraction. Constrained results are very close to non-constrained results (Tables 3 and 4) with less than 4 % of difference. This shows that for the whole material, running the LAR procedure with constraint did not significantly change the procedure.

For the reconstruction of the <80 μm fraction, based on the good results for WM, the amounts of SNF, SF and G_y have been set based on chemical analysis. For SNF, the chosen chemical marker was organic carbon. The ratio of this element between the fraction WM and the fraction <80 μm is 1.7. Consequently, the amount of C_{org} in SNF was set at 12.2%. This value is close to that obtained with unconstrained LAR, i.e. 10.1 %. Likewise, for the SF family, the chosen chemical marker was nickel. The ratio between the two fractions is 0.7. The amount of SF was consequently fixed at 13.5 %, which is also in agreement with the previous results from unconstrained LAR (i.e. 6.6 %). For the G_y family, the chosen chemical marker was Sr. The ratio is 0.7. The amount of G_y was then set at 14.3 %, which is also close to the previous results (i.e. 19.1 %). Finally, to avoid divergence of calculation, the amount of R_b was set < 5 %. The amounts of R_u and R_c are then 37.5 % and 17.2 %. For R_u the result is close to the previous unconstrained LAR results.

For the reconstruction of the 80 – 400 μm fraction, following the same approach applied to the case of the fraction <80 μm , the amounts of SNF, SF and G_y were set at respectively 23.2 %, 6.4 % and 8.3 %. All set amounts are close to the results obtained with the unconstrained LAR. The amounts of R_u , R_b and R_c are predicted at 32.1 %, 0 %, and 29.2 %. About R_b , as previously mentioned, the null value obtained results from the lack of sensitivity of the approach. The amount of 29.2 % for R_c on the <80 μm fraction is a bit high but can be considered as satisfying, regarding the respect of the threshold of 25 % set for the whole material. Lastly, the result is relevant for the R_c family.

For the reconstruction of the > 400 μm fraction, still following the same approach, the amounts of SNF, SF and G_y were set at respective values of 23.2 %, 6.4 % and 8.3 %. As previously, the amounts of SF and SNF are close to that predicted by the unconstrained LAR. To avoid divergence, the amounts of R_c were set at a maximum value of 25 %. The amounts of R_u and R_b are then 30.1 % and 7.0 %. R_u is in line with the previous results. Amount of R_b is also relevant, even if a bit high.

- Reconstruction of granular fractions of SI

For the whole material, the previous results of unconstrained LAR exhibit levels of R_b and R_c that are too high. So for this new reconstruction these two levels were set at less than 5 %. The new results on SF, SNF and G_y families are close to previous ones. R_u increases to 62.6 % from 44.1 %. This value is much more logical than the previous one, given the level of R_u in the granular fraction (65.4 %).

For the <80 μm fraction, considering the satisfying reconstruction obtained without constraint, no constraint other than the total sum of 100 % was set. Results are really close to previous results with unconstrained LAR. The determination of the SNF amount by following organic carbon as chemical marker would lead to a value of 4.4 %. In the same way, the determination of the SF amount by following Mn and Cu (Fig. 6) as chemical markers would lead to a value of 8.6 %. Finally, the determination of G_y amount by following Sr and S as chemical markers would lead to a value of 11.2 %. All these relative contents are really close to the values predicted by the constrained LAR procedure. These shows that results from constrained LAR are relevant with chemical analysis.

For the 80 – 400 μm fraction, as for the WM, previous results of unconstrained LAR are too high for R_b and R_c . So for this new reconstruction, these two levels were set lower than 5 %. New results on the amounts of SF, SNF and G_y families are close to previous results. Level of R_u increased to 63.2 %. This value is more relevant than the previous value from unconstrained LAR and more in accordance with the level of R_u in the granular fraction. Using the same chemical markers as for the $<80 \mu\text{m}$ fraction, and using the amounts determined in the two previous fractions, the amount of SF would be between 3.3 and 5.2 %. In the same way, the amount of SNF would be between 9.6 % and 11.2 %. Finally, the amount of G_y would be between 9.6 and 11.0 %. Briefly, like for the fine fraction, the results confirm those of the chemical analysis.

To avoid any divergence of calculation about the reconstruction of the $>400 \mu\text{m}$ fraction, the amount of R_b and R_c were set lower than 5 %. As in the 80-400 μm fraction, the new results on SF, SNF and G_y families are close to the results of unconstrained LAR. The level of R_u is increased with 61.1 % for the constrained LAR. One more time, such a value is more consistent with the level of R_u in the granular fraction, by contrast with the value obtained with the unconstrained LAR procedure. Using chemical markers and the satisfying results previously obtained for the WM and the $<80 \mu\text{m}$ fraction, the amounts of SNF would be between 14.4 and 7.7 %; the amount of SF would be between 5.2 and 7.7 %; and finally, the amount of G_y would be between 7.1 and 10.3 %. For the SNF and SF families, the results from LAR are more relevant regarding the levels in the granulometric fraction.

4.2.3 Artefact distribution and limitations of the LAR approach

The unconstrained LAR procedure gives some relevant results (e.g. the sum of the amounts) but it must be constrained to allow discriminating analyses. For SB and SI, in addition to unconstrained procedure and chemical analyses, the LAR procedure shows that the SNF family is more present in the coarsest fraction than in the intermediate and fine fractions. The high interaction of Al and Ti with this family confirms that the specific distributions of these elements in the granulometric fraction of original material result from anthropic input. In comparison, the levels of SF exhibit opposite behaviors. Considering that primarily, the two artefacts could have a similar origin, we can state that after break-up, in term of weathering, SF are less stable than SNF. The LAR procedure also shows that levels of R_u increase with the fineness of the fractions as expected for a natural material. The tendencies are similar with gypsum that is known to be easily weathered with water (Eighmy et al. 1994).

Unfortunately, it is difficult to draw conclusions about the distribution of the families R_b and R_c . There is no dedicated chemical marker and only threshold can be used to constrain values. Moreover, the low levels of R_b and R_c in SI and R_b in SB clearly limit the effectiveness of the LAR procedure.

5 Conclusions

Both Technosols have a similar geological origin and were used as backfill for industrial purposes in the case of SB and an embankment/park area in the case of SI. After stripping of their surface, they still present significant levels of pollutants. This includes carbonaceous, sulfur and metallic pollutants. The XRF and ICP-OES analyses on the granulometric fractions highlight that both materials exhibit evidence of anthropic inputs. They also show that some metallic pollutants occur in the form of highly concentrated compounds.

After a sorting test on the granular fraction, both matrixes can be defined as a mix of construction and demolition wastes, natural gravels and industrial wastes. For both sites, industrial wastes are composed of slags and biomass ashes. They are carriers of carbonaceous and metallic pollution. These analyses highlight that for a given Technosol, origins of magnetic and non-magnetic slags are very close. Nevertheless, the occurrence of specific chemical markers show that the origin of the ashes is not the same for both Technosols. In both cases, gypsum components carry sulfur and strontium.

When linked with these elemental analyses, the least absolute residuals procedure shows that the artefacts and natural gravels are all present in the different granulometric fractions of the materials. When it is possible to constrain the procedure with physical considerations (e.g. chemical markers), it also allows us to quantify artefact distributions in the different granulometric fractions of the materials. As expected, the amounts of natural materials and gypsum components increase with the fineness of the fractions. For slags, the increasing occurrence of magnetic slag and the decreasing occurrence of non-magnetic slags with the fineness of the fractions suggests that the processes of weathering are not similar: carbonaceous slags are more stable than iron-enriched slags. This observation is in accordance with specific distributions of aluminum and titanium measured in the granulometric fractions of both materials.

This is interesting to note that for both whole materials, pollutant are only borne by three artefacts (SNF, SF and G_y). These pollutant-bearing phases exhibit noteworthy physical properties (ρ_d) that could be used during depollution process.

Finally, at the field scale, the sorting test is also a good way to easily estimate pollution levels in these Technosols, in spite of the fact that some amounts may be overestimated (carbonaceous slags) while others are underestimated (iron enriched slags and gypsum components).

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References

- Adnan SNSBM, Yusoff S, Chua YP (2013) Soil chemistry and pollution study of a closed landfill site at Ampar Tenang, Selangor, Malaysia. *Waste Manage Res* 31(6):599-612
- AFNOR (1992a) Earthworks Classification of materials for use in the construction of embankments and capping layers of road infrastructures. NF P11-300. AFNOR Ed
- AFNOR (1992b) Soils: investigation and testing. Granulometric analysis. Hydrometer method. NF P94-057. AFNOR Ed
- AFNOR (1993) Soils: investigation and testing. Determination of Atterberg's limits. Liquid limit test using cassagrande apparatus. Plastic limit test on rolled thread. NF P94-051. AFNOR Ed
- AFNOR (2001) Soil quality - Dissolution for the determination of total element content - Part 1: Dissolution with hydrofluoric and perchloric acids. NF ISO 14869-1. AFNOR Ed
- AFNOR (2007) Characterization of waste - Determination of loss on ignition in waste, sludge and sediments. NF EN 15169. AFNOR Ed
- AFNOR (2008) Tests for mechanical and physical properties of aggregates — Part 7: Determination of the particle density of filler — Pycnometer method. NF EN 1097-7. AFNOR Ed
- AFNOR (2009a) Tests for geometrical properties of aggregates – Part 11 : classification test for the constituents of coarse recycled aggregate. NF EN 933-11. AFNOR Ed
- AFNOR (2009b) Water quality — Determination of selected elements by inductively coupled plasma optical emission spectrometry (ICP-OES) NF ISO 11885. AFNOR Ed
- AFNOR (2012) Tests for chemical properties of aggregates — Part 8: Sorting test to determine metal content of Municipal Incinerator Bottom Ash (MIBA) Aggregates. NF EN 1744-8. AFNOR Ed
- AFNOR (2013) Sludge, treated biowaste, soil and waste – Determination of loss on ignition. NF EN 15935. AFNOR Ed
- Alekseenko V, Alekseenko A (2014) The abundances of chemical elements in urban soils. *J Geochem Explor* 147(B):245-249
- Arulrajah A, Piratheepan J, Disfani MM, Bo MW (2013) Geotechnical and Geoenvironmental Properties of Recycled Construction and Demolition Materials in Pavement Subbase Applications. *J Mater Civ Eng* 25(8):1077-1088
- Asakura H, Yamada M, Inoue Y, Watanabe Y, Ono Y (2010) Investigation on the components removed in loss on ignition test of sandy crushed construction and demolition waste. *Waste Manage Res* 28(1):11-19
- ASTM (2009) Standard Practice for Classification of Soils and Soil-Aggregate Mixtures for Highway Construction Purposes. D3282-09. ASTM International, West Conshohocken, PA

- 1 ASTM (2011) Standard Practice for Classification of Soils for Engineering Purposes (Unified Soil
2 Classification System). D2487-11. ASTM International, West Conshohocken, PA
- 3
4 Bech J, Reverter F, Tume P, Sanchez P, Longan L, Bech J, Olivier T (2011) Pedogeochemical mapping
5 of Al, Ba, Pb, Ti and V in surface soils of Barcelona Province (Catalonia, NE Spain): Relationships
6 with soil physicochemical properties. J Geochem Explor 109(1-3):26-37
- 7
8
9 Bianchini G, Marrocchino E, Tassinari R, Vaccaro C (2005) Recycling of construction and demolition
10 waste materials : a chemical-mineralogical appraisal. Waste Manage 25(2):149-159
- 11
12
13 Biasoli M, Barberis R, Ajmone-Marsan F (2006) The influence of a large city on some soil properties
14 and metals content. Sci Total Environ 356(1-3):154-164
- 15
16
17 Blanco-Canqui H, Lal R, Post WM, Izaurralde RC, Shipitalo MJ (2005) Organic Carbon Influences on
18 Soil Particle Density and Rheological Properties. Soil Sci Soc Am J 70(4):1407-1414
- 19
20
21 Bonde TA, Christensen BT, Cerri CC (1992) Dynamics of soil organic-matter as reflected by natural ¹³C
22 abundance in particle-size fractions of forested and cultivated oxisols. Soil Biol Biochem 24(3):275-
23 277
- 24
25
26 BRGM (1973) Geological map Paris n°183. Bureau de Recherches Géologiques et Minières Ed
- 27
28
29 Bryson GM, Barker AV (2002) Sodium accumulation in soils and plants along Massachussetts
30 roadsides. Commun Soil Sci Anal 33(1-2):67-78
- 31
32
33 Burlakovs J, Kaczala F, Vincevica-Gaile Z, Rudovica V, Orupold K, Stapkevica M, Bhatnagar A,
34 Kriipsalu M, Hogland M, Klavins M, Hogland W (2016) Mobility of Metals and Valorization of Sorted
35 Fine Fraction of Waste After Landfill Excavation. Waste Biomass Valor 7(3):593-602
- 36
37
38 Cai M, McBride MB, Li K, Li Z (2017) Bioaccessibility of As and Pb in orchard and urban soils amended
39 with phosphate, Fe oxide and organic matter. Chemosphere 173:153-159
- 40
41
42 Cabello Eras JJ, Sagastume Gutierrez A, Hernandez Capote D, Hens L, Vandecasteele C (2013)
43 Improving the environmental performance of an earthwork project using cleaner production
44 strategies. J Clean Prod 47 :368-376
- 45
46
47 Cachada A, Dias AC, Pato P, Mieiro C, Rocha-Santos T, Pereira ME, Ferreira da Silva E, Duarte AC
48 (2013) Major inputs and mobility of potentially toxic elements contamination in urban areas. Environ
49 Monit Assess 185(1):279-294
- 50
51
52 Capony A, Muresan B, Dauvergne M, Auriol JC, Ferber V, Jullien A (2013) Monitoring and environmental
53 modeling of earthworks impacts: A road construction case study. Resour Conserv Recy 74:124-
54 133
- 55
56
57
58
59
60
61
62
63
64
65

- Carter MR, Angers DA, Gregorich EG, Bolinder MA (2003) Characterizing organic matter retention for surface soils in eastern Canada using density and particle size fractions. *Can J Soil Sci* 83(1):11-23
- Chaurand P, Rose J, Briois V, Olivi L, Hazemann JL, Proux O, Domas J, Bottero JY (2007) Environmental impacts of steel slag reused in road construction: A crystallographic and molecular (XANES) approach. *J Hazard Mater* 139(3):537-542
- Chen TB, Zheng YM, Lei M, Huang ZC, Wu HT, Chen H, Fan KK, Yu K, Wu X, Tian QZ (2005) Assessment of heavy metal pollution in surface soils of urban parks in Beijing, China. *Chemosphere* 60(4):542-551
- Chindaprasirt P, Boonserm K, Chairuangsi T, Vichit-Vadkan W, Eaimsin T, Sato T, Pimraksa K (2011) Plaster materials from waste calcium sulfate containing chemicals, organic fibers and inorganic additives. *Constr Build Mater* 25(8):3193-3203
- Cornu S, Lucas Y, Lebon E, Ambrosi JP, Luizão F, Rouiller J, Bonnay M, Neal C (1999) Evidence of titanium mobility in soil profiles, Manaus, central Amazonia. *Geoderma* 91(3-4):281-295
- Coronado M, Dorsal E, Coz A, Viguri JR, Andrés A (2011) Estimation of Construction and Demolition Waste (C&DW) Generation and Multicriteria analysis of C&DW Management Alternatives: A case Study in Spain. *Waste Biomass Valor* 2(2):209-225
- Cultrone G, Rodriguez-Navarro C, Sebastian E, Cazalla O, De la Torre MJ (2001) Carbonate and silicate phase reactions during ceramic firing. *Eur J Mineral* 13(3):621-634
- De Kimpe CR, Morel JL (2000) Urban soil management: A growing concern. *Soil Sci* 165(1):31-40
- Ding T, Xiao J (2014) Estimation of building-related construction and demolition waste in Shanghai. *Waste Manage* 34(11):2327-2334
- Douay F, Pruvot C, Roussel H, Ciesielski H, Fourrier H, Proix N, Waterlot C (2008) Contamination of urban soils in an area of northern France polluted by dust emissions of two Smelters. *Water Air Soil Pollut* 188(1-4):247-260
- Duong TTT, Lee BK (2011) Determining contamination level of heavy metals in road dust from busy traffic areas with different characteristics. *J Environ Manage* 92(3):554-562
- Eighmy TT, Eusden Jr JD, Marselle K, Hogan J, Domingo D, Krzanowski JE, Stampfli D (1994) Particle Petrogenesis and Speciation of Elements in MSW incineration Bottom Ashes. *Stud Environ Science* 60:111-136
- El Khalil H, Schwartz C, El Hamiani O, Kubiniok J, Morel JL, Boularbah A (2008) Contribution of Technic Materials to the Mobile Fraction of Metals in Urban Soils in Marrakech (Morocco). *J Soils Sediments* 8(1):17-22

- El Khalil H, Schwartz C, El Hamiani O, Kubiniok J, Morel JL, Boularbah A (2013) Distribution of major elements and trace metals as indicators of technosolisation of urban and suburban soils. *J Soils Sediments* 13(3):519-530
- Folgueras MB, Alonso M, Fernandez FJ (2017) Coal and sewage sludge ashes as sources of rare earth elements. *Fuel* 192:128-139
- Fontes JC, Matray JM (1993) Geochemistry and origin of formation brines from Paris Basin, France. 2. Saline solutions associated with oil fields. *Chem Geol* 109(1-4):177-200
- Haecker CJ, Garboczi EJ, Bullard JW, Bohn RB, Sun Z, Shah SP, Voigt T (2005) Modeling the linear elastic properties of Portland cement paste. *Cem Concr Res* 35(10):1948-1960
- Hammond CR (2003) Handbook of chemistry and Physics. 84th ed. Lide DR (ed) CRC Press, ISBN 978-0-849-30484-2, 2620 p
- Hanna K, Lassabatere L, Bechet B (2009) Zinc and lead transfer in a contaminated roadside soil: Experimental study and modeling. *J Hazard Mater* 161(2-3):1499-1505
- Hatry G, Mercier P (1991) L'île Seguin. JCM Ed. Paris, ISBN 2-902667-14-0, 110 p
- Herselman JE, Steyn CE, Fey MV (2005) Baseline concentration of Cd, Co, Cr, Cu, Pb, Ni and Zn in surface soils of South Africa. *South African J Sci* 101(11-12):509-512
- Hillel D (2004) Encyclopedia of soils in the environment, 1st ed. Academic Press
- Huang SL, Yeh CT, Chang LF (2010) The transition to an urbanizing world and the demand for natural resources. *Curr Opin Environ Sustain* 2(3):136-143
- Huot H, Simmonot MO, Watteau F, Marion P, Yvon J, De Donato P, Morel JL (2014a) Early transformation and transfer processes in a Technosol developing on iron industry deposits. *Eur J Soil Sci* 65(4):470-484
- Huot H, Faure P, Biache C, Lorgeoux C, Simmonot MO, Morel JL (2014b) A Technosol as archives of organic matter related to past industrial activities. *Sci Total Environ* 487:389-398
- Ioannidou D, Vasileios N, Briere R, Zerbi S, Habert G (2015) Land-cover-based indicator to assess the accessibility of resources used in the construction sector. *Resour Conserv Recy* 94:80-91
- Islam MS, Ahmed MK, Habibullah-Al-Mamun M, Raknuzzaman M (2015) Trace elements in different land use soils of Bangladesh and potential ecological risk. *Environ Monit Assess* 187:587-597
- IUSS Working Group WRB (2015) World Reference Base for Soil Resources 2014, update 2015 International soil classification system for naming soils and creating legends for soil maps. World Soil Resources Reports No. 106. FAO, Rome

- Jain P, Kim H, Townsend TG (2005) Heavy metal content in soil reclaimed from a municipal solid waste landfill. *Waste Manage* 25(1):25-35
- Jani Y, Kaczala F, Marchand C, Hogland M, Kriipsalu M, Hogland W, Kihl A (2016) Characterisation of excavated fine fraction and waste composition from Swedish landfill. *Waste Manage Res* 34(12):1292-1299
- Jean-Soro L, Le Guern C, Bechet B, Lebeau T, Ringear MF (2015) Origin of trace elements in an urban garden in Nantes, France. *J Soils Sediments* 15(8):1802-1812
- Jimenez-Rivero A, Garcia-Navarro J (2017) Exploring factors influencing post-consumer gypsum recycling and landfilling in the European Union. *Resour Conserv Recy* 116:116-123
- Kabata-Pendias A (2010) *Trace Elements in Soils and Plants*, 4th ed. CRC Press, Boca Raton
- Kushnir J (1980) The coprecipitation of strontium, magnesium, sodium and chloride ions with gypsum. An experimental study. *Geochim Cosmochim Acta* 44(10):1471-1482
- Lee S, Xu Q, Booth M, Townsend TG, Chadik P, Bitton G (2006) Reduced sulfur compounds in gas from construction and demolition debris landfills. *Waste Manage* 26(5):526-533
- Leharne S, Charlesworth D, Chodhry B (1992) A survey of metals levels in street dusts in an inner London neighbourhood. *Environ Int* 18(3):263-270
- Leguedois S, Séré G, Auclerc A, Cortet J, Huot H, Ouvrard S, Watteau F, Schwartz C, Morel JL (2016) Modelling pedogenesis of Technosols. *Geoderma* 262:199-212
- Lenoir T, Preteseille M, Ricordel S (2016) Contribution of the fiber reinforcement on the fatigue behavior of two cement-modified soils. *Int J Fatigue* 93(1):71-81
- Lin KL, Wu HH, Shie JL, Hwang CL, Cheng A (2010) Recycling waste brick from construction and demolition of buildings as pozzolanic materials. *Waste Manage Res* 28(7):653-659
- Lopez-Garcia I, Arnau-Jerez I, Campillo N, Hernandez-Cordoba M (2004) Determination of tin and titanium in soils, sediments and sludges using electrothermal atomic spectrometry with slurry sample introduction. *Talanta* 62(2):413-419
- Lorenz K, Kandeler E (2005) Biochemical characterization of urban soil profiles from Stuttgart, Germany. *Soil Biol Biochem* 37(7):1373-1385
- Lu Y, Gong Z, Zhang G, Burghardt W (2003) Concentrations and chemical speciations of Cu, Zn, Pb and Cr of urban soils in Nanjing, China. *Geoderma* 115(1-2):101-111
- Luo W, Lu Y, Wang B, Tong X, Wang G, Shi Y, Wang T, Giesy JP (2009) Distribution and sources of mercury in soils from former industrialized urban areas of Beijing, China. *Environ Monit Assess* 158:507-517

- Magnusson S, Lundberg K, Svedberg B, Knutsson S (2015) Sustainable management of excavated soil and rock in urban areas – A literature review. *J Clean Prod* 93:18-25
- Mantis I, Voutsas D, Samara C (2005) Assessment of the environmental hazard from municipal and industrial wastewater treatment sludge by employing chemical biological methods. *Ecotox Environ Safe* 62(3):397-407
- Morel JL, Chenu C, Lorenz K (2015) Ecosystem services provided by soils of urban, industrial, traffic, mining, and military areas (SUITMAs). *J Soils Sediments* 15(8):1659-1666
- Münch D (1993) Concentration profiles of arsenic, cadmium, chromium, copper, lead, mercury, nickel, zinc, vanadium and polynuclear aromatic hydrocarbons (PAH) in forest soil beside an urban road. *Sci Total Environ* 138(1-3):47-55
- Nazzal Y, Rosen MA, Al-Rawabdeh AM (2013) Assessment of metal pollution in urban road dusts from selected highways of the Greater Toronto Area in Canada. *Environ Monit Assess* 185(2):1847-1858
- Nelson SS, Yonge DR, Barber ME (2009) Effects of road salts on heavy metal mobility in two eastern Washington soils. *J Environ Eng – ASCE* 137(7):505-510
- Nezat CA, Hatch SA, Uecker T (2017) Heavy metal content in urban residential and park soils: A case study in Spokane, Washington, USA. *Appl Geochem* 78:186-193
- Norra S, Lanka-Panditha M, Kramar U, Stüben D (2006) Mineralogical and geochemical patterns of urban surface soils, the example of Pforzheim, Germany. *Appl Geochem* 21(12):2064-2081
- Norra S, Fjer N, Li F, Chu X, Xie X, Stüben D (2008) The influence of different land uses on mineralogical and chemical composition and horizonation of urban soil profiles in Qingdao, China. *J Soils Sediments* 8(1):4-16
- Ollila HJ, Moilanen A, Tiainen MS, Laitinen RS (2006) SEM-EDS characterization of inorganic material in refuse-derived fuels. *Fuel* 85(17-18):2586-2592
- Pariente S, Zhevelev HM, Oz A (2016) Human activities modify soil properties in urban parks : a case study of Tel Aviv-Jaffa. *J Soils Sediments* 16(11):2538-2547
- Poon CS, Yu ATW, Ng LH (2001) On-site sorting of construction and demolition waste in Hong Kong, *Resour Conserv Recy* 32(2):157-172
- Preteseille M, Lenoir T (2016) Structural test at the laboratory scale for the utilization of stabilized fine-grained soils in the subgrades of High Speed Rail infrastructures: experimental aspects. *Int J Fatigue* 82(3):505-513
- Reimann C, de Caritat P (1998) Chemical Elements in the Environment: Factsheets for the Geochemist and Environmental Scientist, 1st Ed. Springer-Verlag Berlin Heidelberg. ISBN 978-3-642-72018-5

- Rigo C, Zamengo L, Rampazzo G, Argese E (2009) Characterization of a former dump site in the Lagoon of Venice contaminated by municipal solid waste incinerator bottom ash, and estimation of possible environmental risk. *Chemosphere* 77(4):510-517
- Rivas V, Cendrero A, Hurtado M, Cabral M, Gimenez J, Forte L, del Rio L, Cantù M, Becker A (2006) Geomorphic consequences of urban development and mining activities; an analysis of study areas in Spain and Argentina. *Geomorphology* 73(3-4):185-206
- Rosell L, Orti F, Kasprzyk A, Playa E, Peryt TM (1998) Strontium geochemistry of Miocene primary gypsum: Messinian of southeastern Spain and Sicily and Bedenian of Poland. *J Sediment Res* 68(1):63-79
- Rossiter GG (2007) Classification of urban and industrial soils in the world reference base for soil resources. *J Soils Sediments* 7(2):96-100
- Saiz Martinez P, Gonzalez Cortina M, Fernandez Martinez F, Rodriguez Sanchez A (2016) Comparative study of three types of fine recycled aggregates from construction and demolition waste (CDW), and their use in masonry mortar fabrication. *J Clean Prod* 118:162-169
- Salvagio Manta D, Angelone M, Bellanca A, Neri R, Sprovieri M (2002) Heavy metals in urban soils: a case study from the city of Palermo (Sicily), Italy. *Sci Total Environ* 300(1-3):229-243
- Santesteban, J.I., Mediavilla, R., Lopez-Pamo, E., Dabrio, C.J., Blanca Ruiz Zapata, M., Jose Gil Garcia, M., Castano, S., Martinez-Alfaro, P.E., 2004. Loss on ignition: a qualitative or quantitative method for organic matter and carbonate mineral content in sediments? *J. Paleolimnol.* 32(3), 287-299.
- Séré G, Schwarz C, Ouvrard S, Renat JC, Watteau F, Villemain G, Morel JL (2010) Early pedogenic evolution of constructed Technosols. *J Soils Sediments* 10(7):1246-1254
- Silva RV, de Brito J, Dhir RK (2014) Properties and composition of recycled aggregates from construction and demolition waste suitable for concrete production. *Constr Build Mat* 65:201-217
- Solomon RL, Harford JW (1976) Lead and cadmium in dusts and soils in a small urban community. *Environ Sci Technol* 10(8):773-777
- Sun XL, Wu SC, Wang HL, Zhao YG, Zhang GL, Man YB, Wong MH (2013) Dealing with spatial outliers and mapping uncertainty for evaluating the effects of urbanization on soil: A case study of soil pH and particle fractions in Hong Kong. *Geoderma* 195-196:220-233
- Sun Y, Zhou Q, Xie X, Liu R (2010) Spatial, sources and risk assessment of heavy metal contamination of urban soils in typical regions of Shenyang, China. *J Hazard Mater* 174(1-3):455-462
- Tossavainen M, Engstrom F, Yang Q, Menad N, Lidstrom Larsson M, Bjorkman B (2007) Characteristic of steel slag under different cooling conditions. *Waste Manage* 27(10):1335-1344

- Vassilev SV, Vassileva CG, Baxter D, Andersen LK (2009) A new approach for the combined chemical and mineral classification of the inorganic matter in coal. 2. Potential applications of the classification systems. *Fuel* 88(2):246-254
- Vassilev SV, Baxter D, Andersen LK, Vassileva CG (2013) An overview of the composition and applications of biomass ash. Part 1. Phase-mineral and chemical composition and classification. *Fuel* 105:40-76
- Vodyanitskii YN, Savichev AT, Vasil'ev AA, Lobanova ES, Chashchin AN, Prokopovich EV (2010) Contents of heavy alkaline-earth (Sr, Ba) and rare-earth (Y, La, Ce) metals in technogenically contaminated soils. *Eurasian Soil Sci* 43(7):822-832
- Wei B, Yang L (2010) A review of heavy metal contaminations in urban soils, urban road dusts and agricultural soils from China. *Microchem J* 94(2):99-107
- Wei ZQ, Wu SH, Zhou SL, Li JT, Zhao QG (2014) Soil Organic Carbon transformation and Related Properties in Urban Soil Under Impervious surfaces. *Pedosphere* 24(1):56-64
- WHO (1990) Barium, Environmental Health Criteria 107, World Health Organization, Vammala Finland
- WHO (1998) Copper, Environmental Health Criteria 200, World Health Organization, Vammala Finland
- WHO (2010) Strontium and Strontium compounds, Concise International Chemical Assessment Document 77, Vammala Finland
- Withers PJA, Jarvie HP (2008) Delivery and cycling of phosphorus in rivers: A review. *Sci Total Environ* 400(1-3):379-395
- Wu J, Ren Y, Wang X, Wang X, Chen L, Liu G (2015) Nitrogen and phosphorus associating with different size suspended solids in roof and road runoff in Beijing, China. *Environ Sci Pollut Res* 22(20):15788-15795
- Zhao Z, Hazelton P (2016) Evaluation of accumulation and concentration of heavy metals in different urban roadside soil types in Miranda Park, Sydney. *J Soils Sediments* 16(11):2548-2556

FIGURE CAPTIONS

Fig. 1 Sampling sites (top) and soils after excavation in the field (bottom). SB left and SI right

Fig. 2 Particle size distribution and geotechnical identification parameters of the two materials

Fig. 3 Mean XRF spectra in the whole material SB and in three granular fractions

Fig. 4 Mean XRF spectra in the whole materials SB and SI

Fig. 5 Occurrence of major chemical elements expressed in % of oxides in both materials, in the whole material and the three granular fractions

Fig. 6 Occurrence of trace elements expressed in mg/kg_{dry matt.} in both materials, in the whole material and in three granular fractions

Fig. 7 Mean XRF spectra of the artefacts of materials SB (solid line) and SI (dashed line)

Fig. 8 Occurrence of major chemical elements expressed in % of oxides in artefacts from both studied materials

Fig. 9 Occurrence of trace elements expressed in mg/kg_{dm} in artefacts from both soils

Fig. 10 Ratios between the measurements on the whole material (Meas._{WM}) and the combination of measurements from granulometric fractions (Meas._{SieveRec}). SB, in blue, SI in brown

Figure 1

Figure2

Figure3

Figure4

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Figure9

Figure 10

Table 1 Classification of artefacts in the granular fraction of SB and SI

	X₁	SNF	SF	R_u	R_c	R_b	G_y
SB	17.9	24.9	4.1	29.8	17.3	1.8	3.8
SI	32.8	13.3	1.4	43.5	2.1	1.3	4.9

Table 2 Loss On Ignition measurements at 450 °C and 550 °C (LOI_{450° , LOI_{550°) expressed in %, particle density (ρ_d) in g/cm³ and particle density after ignition at 550 °C (ρ_{dLOI}) in g/cm³. For LOI, the drying temperature (T_d) was 105 °C, except underlined values for which $T_d=50$ °C

	X₁		SNF		SF		R_u		R_c		R_b		G_y	
	SB	SI	SB	SI	SB	SI	SB	SI	SB	SI	SB	SI	SB	SI
LOI _{450°C}	8.4	5.5	16.6	7.8	1.1	5.4	1.6	1.1	4.3	2.2	0.9	0.8	4.8	4.3
LOI _{550°C}	<u>8.6</u>	7.3	<u>22.6</u>	19.7	<u>1.1</u>	6.3	<u>1.5</u>	2.0	<u>5.1</u>	4.7	<u>1.3</u>	1.2	<u>15.3</u>	<u>5.0/17.5</u>
ρ_d	2.62	2.60	2.40	2.49	3.73	4.00	2.67	2.67	2.62	2.65	2.63	2.65	2.42	2.43
ρ_{dLOI}	2.71	2.67	2.50	2.73	3.85	4.21	2.64	2.67	2.67	2.67	2.65	2.65	2.86	2.88

Table 3 Results of LAR without constraint: estimated percentages of the artefacts that constitute the whole material and the granulometric fractions

	SB				SI			
%	WM	<80µm	80-400 µm	>400µm	WM	<80 µm	80-400 µm	>400µm
SNF	18.0	10.1	17.6	19.6	15.3	7.3	10.1	22.5
SF	7.8	6.6	8.0	10.4	2.8	7.3	3.7	2.4
R_u	42.0	37.8	45.3	0.0	44.1	60.2	40.5	55.1
G_y	6.2	19.1	6.1	0.5	7.6	11.7	16.3	5.8
R_b	2.1	5.8	0.0	0.0	8.5	3.3	12.7	2.2
R_c	53.2	62.2	15.3	76.5	24.5	4.2	22.0	3.3
TOT	129.3	141.6	92.3	107.1	102.8	74.3	105.2	91.4
Exact.	155	274	250	94	307	652	343	337

Table 4 Results of LAR with constraints. Constrained parameters are bolded and highlighted; see text for details

	SB				SI			
%	WM	<80 μ m	80-400 μ m	>400 μ m	WM	<80 μ m	80-400 μ m	>400 μ m
SNF	20.8	12.2	20.8	23.2	16.1	7.3	10.6	20.6
SF	9.6	13.5	9.6	6.4	3.4	7.3	4.1	2.6
R _u	34.6	37.5	32.1	30.1	62.6	66.1	63.2	61.1
G _y	10.0	14.3	8.3	8.3	7.9	11.6	12.0	5.7
R _b	0.0	5	0	7.0	5.0	3.4	5.0	5.0
R _c	25.0	17.2	29.2	25.0	5.0	4.3	5.0	5.0
exact	204	432	302	232	375	664	458	310

ELECTRONIC SUPPLEMENTARY MATERIAL

SOILS, SEC 2 • GLOBAL CHANGE, ENVIRON RISK ASSESS, SUSTAINABLE LAND USE •
RESEARCH ARTICLE

Identification of the artefact contribution to two urban Technosols by coupling a sorting test, chemical analyses and a least-absolute residuals procedure

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Data

This electronic annex presents data measured on two technosoils excavated at depths higher than one meter. After excavation and preparation, they have been split into four granulometric fractions (whole material, <80 μm , 80-400 μm and >400 μm). In addition, the artefacts composing the granular fraction (>4 mm) have been sorted in relevant Construction and Demolition Waste (CD&W) families (AFNOR 2009a; 2012). Six artifact families have been considered: Rc contains concretes, concrete products (including hydraulically bound material), mortars, concrete masonry units; Ru contains unbound gravel, natural stones; Rb contains terracotta units such as bricks and tiles, and non-floating cellular concretes; SF contains magnetic slags; SNF contains non-magnetic slags; Gy contains gypsum components; and X1 contains aggregated fine-grained material.

For all these materials, after measurements of loss on ignition (LOI) and particle densities (ρ_d), elemental occurrence and elemental correlations were determined using X-ray fluorescence spectroscopy (XRF). Then, an accurate elemental quantification of trace, intermediate and major chemical elements were done using Inductively Coupled Plasma Optical Emission Spectroscopy (ICPOES) and Carbon/Sulfur measurements.

Experimental Design, Materials, and Methods

A - Loss on ignition, particles densities and chemical data

Methodology for LOI and ρ_d measurements are fully described in standards (AFNOR 2008, 2013). Quantification of elements have been performed with Inductively Coupled Plasma Optical Emission Spectroscopy - ICP-OES (AFNOR 2001, 2009b, Jean-Soro et al. 2015) by using a Varian 720 ES, after mineralization with a mixture of HF and HClO₄ and alkali fusion with lithium tetraborate for silica content. Carbon (Total Carbon and Total Organic Carbon) and sulfur contents were determined using a LECO SC144 C/S analyzer.

+ Chemical analyses on the material SI

Table A1 Chemical analyses on each fraction selected from sieve analyses – material SB. Units are mg/kg of dry matter (mg/kg_{dm}) for chemical elements

	Particles size			
mg/kg _{dm}	Whole mat.	<80 µm	80-400 µm	>400 µm
Al	26393	28489	19281	28047
As	14	23	14	8.9
B	/	26	27	/
Ba	341	164	297	290
Ca	139926	164980	100710	94931
Cd	0.64	0.6	0.3	0.21
Co	16	17	20	15.9
Cr	351	75	97	204
Cu	212	258	207	679
Fe	41473	36638	37968	50419
K	6988	6710	5697	8120
Li	/	28	21	/
Mg	4053	6043	2916	2862
Mn	418	480	376	685
Mo	26	3	2	11
Na	1281	1237	1040	1507
Ni	192	292	201	127
P	542	757	460	404
Pb	265.1	638	322	161
Sr	347	465	282	279
Ti	943	942	641	978
V	65	47	36	53.4
Zn	400	273	173	189
Si	163008	135041	230116	266439
S	6600	12900	12300	7100
C _{org}	92600	56100	93900	97800
LOI _{450°} (%)	11.0	8.9	8.1	4.1
LOI _{550°} (%)	14.6	10.4	10.2	6.0

Table A2 Major elements expressed in terms of oxides percentages – material SB – Weighted values

(%)	Whole Mat	<80 μm	80-400 μm	>400 μm
SiO ₂	31.2	27.9	38.4	41.7
Al ₂ O ₃	4.5	5.2	2.8	3.9
FeO	4.8	4.6	3.8	4.7
MgO	0.6	1.0	0.4	0.4
K ₂ O	0.8	0.8	0.5	0.7
CaO	17.5	22.3	11.0	9.7
CO _{2org}	30.3	19.9	26.9	25.2
CO _{2TOT}	38.9	34.9	40.6	36.5
SO ₂	1.2	2.5	1.9	1.8

+ Chemical analyses on the soil SI

Table A3 Chemical analyses on each fraction selected from sieve analyses – material SI – Units are mg/kg of dry matter (mg/kg_{dm}) for chemical elements

	Particles size			
mg/kg _{dm}	Whole mat.	<80 µm	80-400 µm	>400 µm
Al	22989	27999	22073	25175
As	19	21	19	16
B	/	/	/	/
Ba	126	162	299	352
Ca	150037	181084	160128	153826
Cd	0.6	0.8	0.2	0.4
Co	10	12	10	11
Cr	102	43	92	119
Cu	245	348	249	237
Fe	24255	23407	25024	22914
K	7491	7857	6778	7470
Li	/	/	/	/
Mg	9602	12904	6615	7114
Mn	370	482	336	387
Mo	9	3	7	9
Na	2439	2094	2593	2460
Ni	31	37	28	29
P	882	1035	1001	1236
Pb	159	358	1224	1678
Sr	369	534	313	368
Ti	769	1210	717	1230
V	42	46	42	53
Zn	822	516	324	260
Si	190629	147505	187088	205846
S	14300	20000	27700	11000
C _{org}	33800	18000	23600	35600
LOI _{450°} (%)	3.5	4.3	6.1	3.4
LOI _{550°} (%)	6.8	5.3	6.4	6.3

Table A4 Major elements expressed in terms of oxides percentages – material SI – Weighted values

(%)	Whole Mat	<80 µm	80-400 µm	>400µm
SiO ₂	40.0	32.7	37.7	42.2
Al ₂ O ₃	4.3	5.5	3.9	4.6
FeO	3.1	3.1	3.0	2.8
MgO	1.6	2.2	1.0	1.1
K ₂ O	0.9	1.0	0.8	0.9
CaO	20.6	26.2	21.1	20.6
CO _{2org}	12.2	6.8	8.2	12.5
CO _{2TOT}	25.9	24.1	26.2	24.5
SO ₂	2.8	4.1	5.2	2.1

+ Chemical analyses on artefacts from the material SB

Table A5 Chemical analyses on artefacts – material SB - Units are mg/kg of dry matter (mg/kg_{dm}) for chemical elements

	SB						
mg/kg _{dm}	X ₁	SNF	SF	R _U	R _C	R _b	G _y
Al	24010	66437	32767	5577	15174	53354	4824
As	16	10.8	14.7	4	6.77	12.6	2.68
B	/	26.7	281	5	8.25	31.8	2.47
Ba	351	638	462	51	160	317	62.8
Ca	111628	25541	6663	149842	115413	13042	164968
Cd	0.3	/	/	/	/	/	/
Co	17	30	61	3	5	10	1
Cr	119	185	431	131	147	208	18.6
Cu	224	370	239	7.56	15.2	30.9	15.0
Fe	51929	29294	356180	5805	9986	24043	1760
K	7245	12175	7408	1954	6055	6369	714
Li	/	100	38	5	16	42	3
Mg	3428	4431	2515	2976	2252	4367	6902
Mn	483	414	1797	125	282	334	111
Mo	7	/	/	/	/	/	/
Na	1344	2644	1196	925	1150	2180	214
Ni	228	131	625	11	18	32	30
P	514	1736	682	115	245	293	176
Pb	355	200	49.9	6	11	29	80
Sr	322	482	326	163	174	114	1155
Ti	784	2475	1458	200	519	2742	188
V	43.6	111	99	18	33.0	73.9	10
Zn	188	64	21	17	27.8	73.7	54
Si	205531	146926	139972	216518	262407	341680	40230
S	6900	4600	1300	1700	2500	1000	6900
C _{org}	74900	407500	16200	2300	20400	500	74900
*LOI _{450°} (%)	8.4	16.6	1.1	1.6	4.3	0.9	4.8
*LOI _{550°} (%)	8.6	22.6	1.1	1.5	5.1	1.3	15.3
ρ _d (T/m ³)	2.62	2.40	3.73	2.67	2.62	2.63	2.42
ρ _d LOI (T/m ³)	2.71	2.50	3.85	2.64	2.67	2.65	2.86

*For LOI_{450°} temperature of drying was 105°C, for LOI_{550°} temperature of drying was 50 °C

Table A6 Major elements expressed in terms of oxides percentages – artefacts from material SB - Weighted values

	SB						
	X ₁	SNF	SF	R _u	R _c	R _b	G _y
SiO ₂	39.5	15.2	32.8	50.2	57.5	79.7	12.0
Al ₂ O ₃	4.1	6.1	6.8	1.1	2.9	11.0	1.3
FeO	6.0	1.8	50.2	0.8	1.3	3.4	0.3
MgO	0.5	0.4	0.5	0.5	0.4	0.8	1.6
K ₂ O	0.8	0.7	1.0	0.3	0.7	0.8	0.1
CaO	14.0	1.7	1.0	22.7	16.6	2.0	32.2
CO _{2org}	24.7	72.4	6.5	0.9	7.7	0.2	1.1
CO _{2TOT}	33.2	72.9	6.3	23.8	19.6	1.0	14.4
SO ₂	1.2	0.4	0.3	0.4	0.5	0.2	37.7

+ Chemical analyses on artefacts from the material SI

Table A7 Chemical analyses on artefacts – material SI

	SI						
mg/kg _{dm}	X ₁	SNF	SF	R _u	R _c	R _b	G _y
Al	31928	66437	47237	4189	8801	74253	3466
As	16	26	167	4	6	16	1
B							
Ba	326	1293	1657	53	187	691	62
Ca	139705	56316	59067	220789	86882	20892	252145
Cd	0.6	0.2	0.6	0.2	0.5	0.2	0.2
Co	10	31	64	2	5	19	3
Cr	110	177	271	130	113	238	23
Cu	198	571	3977	11	139	61	20
Fe	22246	56589	299689	7713	4387	30284	1861
K	9311	14150	9735	2218	3613	14340	959
Li							
Mg	9931	8624	9289	3434	3032	6717	10257
Mn	388	1653	3837	188	352	380	119
Mo	8	13	24	10	9	12	2
Na	1785	8319	6238	527	2138	2855	297
Ni	32	69	243	10	12	32	3
P	866	2527	3230	133	286	484	481
Pb	309	3219	2612	23	71	493	47
Sr	354	413	380	209	200	160	1310
Ti	1212	2378	1791	130	532	3452	99
V	50	123	115	19	28	92	7
Zn	365	823	1346	42	318	172	59
Si	194356	173260	107607	174294	222876	315867	36950
S	14600	4300	5800	1200	3500	1400	156900
C _{org}	18600	200600	32900	1200	6600	900	400
LOI _{450°} (%)	5.5	7.8	5.4	1.1	2.2	0.8	4.3
LOI _{550°} (%)	7.3	19.7	6.3	2.0	4.7	1.2	5.0
*LOI _{550°} (%)	9.1	20.3	7.4	1.9	4.5	1.4	17.5
ρ _d (T/m ³)	2.60	2.49	4.00	2.67	2.65	2.65	2.43
ρ _d LOI (T/m ³)	2.6	2.73	4.21	2.67	2.67	2.65	2.88

*temperature of drying was 50 °C

Table A8 Major elements expressed in terms of oxides percentages – artefacts from material SI
- Weighted values

	SI						
	X ₁	SNF	SF	R _u	R _c	R _b	G _y
SiO ₂	40.7	25.9	22.8	39.0	57.9	71.8	9.3
Al ₂ O ₃	5.9	8.8	8.8	0.8	2.0	14.9	0.8
FeO	2.8	5.1	38.2	1.0	0.7	4.1	0.3
MgO	1.6	1.0	1.5	0.6	0.6	1.2	2.0
K ₂ O	1.1	1.2	1.2	0.3	0.5	1.8	0.1
CaO	19.1	5.5	8.2	32.3	14.8	3.1	41.6
CO _{2org}	6.7	51.4	12.0	0.5	2.9	0.4	0.2
CO _{2TOT}	25.0	49.8	14.4	25.5	21.9	1.3	8.5
SO ₂	2.9	0.6	1.1	0.3	0.8	0.3	36.9

B – XRF analyses

Elemental occurrences were obtained using X-ray fluorescence (XRF). A Bruker M4 TORNADO laboratory instrument equipped with an Rh X-ray tube operated at 50 keV and 300 μ A was used. The X-ray fluorescence was measured using a silicon drift detector with a spot size of 25 μ m [8]. XRF spectra were measured under vacuum on the granular fractions and the artifact families grinded at a diameter < 40 μ m. 96 spectra were collected for each fraction and 30 for each artefact. They were normalized on the Compton peak (i.e maximum of the peak set to 1) and limited at the Rayleigh peak (~20 keV). In order to study chemical correlation, a semi-quantification of elemental composition of artifacts families was realized by applying a semi-automatic method provided by the software 'Esprit' coupled with M4 TORNADO. Mean normalized XRF spectra with standard deviation have been then determined. They are provided in supplementary material in ASCII format

+ Elemental correlations

Table B1 Elemental correlations from xrf analyses on R_u (aggregates) – material SB

[illegible]

Table B2 Elemental correlations from xrf analyses on R_u (aggregates) – material SI

[illegible]

Table B3 Elemental correlations from xrf analyses on SNF (non-magnetic slags) – material SB

[illegible]

Table B4 Elemental correlations from xrf analyses on SNF (non-magnetic slags) – material SI

[illegible]

Table B5 Elemental correlations from xrf analyses on SF (magnetic slags) – material SI

[illegible]

Table B6 Elemental correlations from xrf analyses on R_c (concrete products) – material SB

[illegible]

Table B7 Elemental correlations from xrf analyses on R_c (concrete products) – material SI

[illegible]

Table B8 Elemental correlations from xrf analyses on R_b (terracotta units) – material SB

[illegible]

Table B9 Elemental correlations from xrf analyses on R_b (terracotta units) – material SI

[illegible]

Table B10 Elemental correlations from xrf analyses on G_y (Gypsum products) – material SB

[illegible]

Table B11 Elemental correlations from xrf analyses on G_y (Gypsum products) – material SI

[illegible]

Table B12 Elemental correlations from xrf analyses on X₁ (Aggregated fine material) – material SB

[illegible]

Table B13 Elemental correlations from xrf analyses on X₁ (Aggregated fine material) – material SI

	Si	Fe	Al	K	S	Mg	Ti	Na	Sr	Pb	Zn	Mn	Cu	Cr	P	Ba	Ni
Ca	0.16	0.23	0.54	0.32	0.21	0.50	0.18	0.16	-0.09	0.12	0.18	0.27	0.11	0.08	0.26	-0.17	-0.06
Si		0.18	0.70	0.54	0.27	0.56	0.66	-0.08	-0.13	0.12	0.18	0.20	0.41	0.52	-0.06	0.07	-0.07
Fe			0.43	0.55	0.71	0.30	0.41	0.09	0.09	0.43	0.51	0.64	0.66	0.04	0.38	0.02	0.05
Al				0.75	0.48	0.89	0.60	0.09	0.10	0.31	0.46	0.42	0.50	0.23	0.06	0.00	-0.09
K					0.35	0.61	0.54	0.14	0.24	0.60	0.62	0.72	0.46	0.06	0.13	0.24	-0.03
S						0.34	0.27	-0.16	0.04	0.15	0.21	0.16	0.52	0.05	-0.05	-0.21	0.39
Mg							0.54	0.16	0.22	0.28	0.44	0.39	0.48	0.27	-0.06	0.05	-0.12
Ti								0.26	0.02	0.14	0.12	0.42	0.29	0.39	0.06	0.13	0.02
Na									0.02	0.18	-0.02	0.24	0.04	0.10	0.18	-0.01	-0.26
Sr										0.48	0.54	0.32	0.08	-0.12	-0.08	0.28	0.20
Pb											0.76	0.55	0.55	0.11	-0.01	-0.03	-0.25
Zn												0.66	0.59	-0.01	0.12	0.19	-0.12
Mn													0.42	0.01	0.38	0.30	-0.17
Cu														0.18	-0.01	-0.16	-0.34
Cr															-0.06	0.03	-0.21
P																0.12	-0.13
Ba																	0.08
Ni																	

+ XRF spectra

See accompanying .xrf file.

References

- AFNOR (2001) Soil quality - Dissolution for the determination of total element content - Part 1: Dissolution with hydrofluoric and perchloric acids. 2001. NF ISO 14869-1. AFNOR Ed
- AFNOR (2008) Tests for mechanical and physical properties of aggregates — Part 7: Determination of the particle density of filler — Pycnometer method. 2008. NF EN 1097-7. AFNOR Ed
- AFNOR (2009a) Tests for geometrical properties of aggregates – Part 11 : classification test for the constituents of coarse recycled aggregate. 2009. NF EN 933-11. AFNOR Ed
- AFNOR (2009b) Water quality — Determination of selected elements by inductively coupled plasma optical emission spectrometry (ICP-OES). 2009. NF ISO 11885. AFNOR Ed
- AFNOR (2012) Tests for chemical properties of aggregates — Part 8: Sorting test to determine metal content of Municipal Incinerator Bottom Ash (MIBA) Aggregates. 2012. NF EN 1744-8. AFNOR Ed

AFNOR (2013) Sludge, treated biowaste, soil and waste – Determination of loss on ignition. 2013.
NF EN 15935. AFNOR Ed

Jean-Soro L, Le Guern C, Bechet B, Lebeau T, Ringear MF (2015) Origin of trace elements in an urban garden in Nantes, France. J Soils Sediments 15(8):1802-1812

E (keV)	SB WM		SB <80μm		80μm< SB <400μm	
	mean	std	mean	std	mean	std
1.0075	0.355107	0.0376594	0.381873	0.0451926	0.287061	0.0521488
1.0175	0.355862	0.0392194	0.383248	0.0527283	0.282271	0.0508933
1.0275	0.361439	0.0370037	0.380587	0.0454798	0.28223	0.0451912
1.0375	0.356922	0.0388802	0.378815	0.0484536	0.284055	0.0518202
1.0475	0.353138	0.035798	0.382326	0.0483799	0.2792	0.0516598
1.0575	0.35213	0.0408871	0.377129	0.0465784	0.284525	0.0515342
1.0675	0.349765	0.0368127	0.379615	0.0496447	0.279146	0.0511656
1.0775	0.34985	0.033993	0.378507	0.0476951	0.276903	0.0497673
1.0875	0.350064	0.0387156	0.376278	0.0468922	0.277277	0.0470911
1.0975	0.352398	0.0365149	0.374251	0.0479163	0.277769	0.0484087
1.1075	0.349488	0.0349309	0.37556	0.0457723	0.277902	0.0483425
1.1175	0.35084	0.0327768	0.370083	0.0459784	0.276235	0.0482069
1.1275	0.349796	0.0385719	0.374467	0.0455516	0.279427	0.0499173
1.1375	0.34652	0.037075	0.374004	0.0462161	0.274431	0.0500929
1.1475	0.350302	0.0359478	0.376598	0.0513535	0.274624	0.0491421
1.1575	0.350272	0.0360908	0.379187	0.0496586	0.275582	0.0506263
1.1675	0.348967	0.0377382	0.380983	0.0487965	0.27763	0.0525208
1.1775	0.351466	0.0328768	0.380455	0.0446271	0.279822	0.0488033
1.1875	0.356999	0.0356013	0.38758	0.0456826	0.281541	0.0528866
1.1975	0.359975	0.037152	0.394428	0.0465862	0.286045	0.0519804
1.2075	0.364112	0.033261	0.402391	0.0468169	0.289781	0.0498972
1.2175	0.372246	0.0387636	0.415875	0.052624	0.294872	0.0496238
1.2275	0.378989	0.0357447	0.424083	0.0508483	0.302034	0.0506722
1.2375	0.384125	0.0364917	0.432605	0.0561858	0.304251	0.0518911
1.2475	0.389614	0.0374028	0.437119	0.0606616	0.309435	0.05383
1.2575	0.385235	0.0379249	0.442052	0.0575235	0.31398	0.0539902
1.2675	0.390816	0.0350435	0.442979	0.0550323	0.313228	0.0529003
1.2775	0.389681	0.0380541	0.43512	0.0594494	0.308548	0.0563976
1.2875	0.385908	0.0362197	0.423474	0.0529552	0.303397	0.055309
1.2975	0.377933	0.0392337	0.419796	0.0513018	0.297941	0.0518076
1.3075	0.371062	0.0358826	0.405813	0.0494599	0.290452	0.0513099
1.3175	0.36574	0.033994	0.393002	0.044722	0.288839	0.0526203
1.3275	0.359256	0.0373004	0.388081	0.0496341	0.282154	0.0503527
1.3375	0.354088	0.0381069	0.384377	0.0459628	0.282214	0.0512427
1.3475	0.355478	0.0352832	0.381648	0.0490687	0.279059	0.0496765
1.3575	0.362136	0.0316549	0.385161	0.0431973	0.282467	0.0505247
1.3675	0.363387	0.0341079	0.393043	0.0448996	0.288402	0.0475815
1.3775	0.375979	0.0365287	0.412377	0.0472549	0.297314	0.0530736
1.3875	0.395995	0.037932	0.444195	0.0511168	0.31516	0.0524356
1.3975	0.427037	0.0392373	0.498151	0.0637309	0.346338	0.0579818
1.4075	0.482725	0.0438048	0.571784	0.0767376	0.390149	0.0650325
1.4175	0.554268	0.0457005	0.679048	0.0996944	0.45355	0.0798009
1.4275	0.655774	0.0505158	0.81738	0.116893	0.53425	0.0935592
1.4375	0.78428	0.0641301	0.979893	0.162041	0.639934	0.107672
1.4475	0.925649	0.0709437	1.15875	0.215285	0.75255	0.130241

1.4575	1.08317	0.079964	1.34624	0.249	0.868049	0.159211
1.4675	1.23253	0.0911347	1.50548	0.291181	0.970228	0.180736
1.4775	1.34791	0.103436	1.61854	0.315983	1.04486	0.195795
1.4875	1.42288	0.106371	1.67764	0.327342	1.08313	0.202816
1.4975	1.44411	0.104487	1.66286	0.321028	1.08641	0.200838
1.5075	1.40724	0.108994	1.58941	0.299792	1.03935	0.190327
1.5175	1.319	0.0967119	1.44499	0.270692	0.958296	0.175297
1.5275	1.19822	0.0898974	1.27692	0.223008	0.860895	0.157898
1.5375	1.05974	0.0806408	1.10206	0.18848	0.758461	0.138949
1.5475	0.915876	0.0728223	0.933223	0.152441	0.648631	0.114563
1.5575	0.787631	0.057481	0.786528	0.117237	0.560277	0.102478
1.5675	0.682459	0.0506282	0.673729	0.0883767	0.488377	0.0857852
1.5775	0.5996	0.0520666	0.587154	0.0750564	0.435716	0.0758437
1.5875	0.548498	0.0445008	0.535012	0.0617667	0.404069	0.0705101
1.5975	0.524382	0.0442851	0.513425	0.0613113	0.39279	0.0672536
1.6075	0.542811	0.0440128	0.530292	0.0619221	0.417347	0.0669073
1.6175	0.608855	0.0496285	0.587658	0.0742219	0.475923	0.0786262
1.6275	0.756756	0.0570315	0.714487	0.10475	0.59763	0.106738
1.6375	1.01714	0.0838383	0.941866	0.159229	0.818519	0.149908
1.6475	1.44873	0.117207	1.29787	0.230483	1.15766	0.211539
1.6575	2.1114	0.175385	1.82333	0.356329	1.67129	0.316394
1.6675	3.0765	0.25626	2.55471	0.524708	2.38447	0.461112
1.6775	4.37337	0.368552	3.50082	0.738843	3.32222	0.643132
1.6875	5.99447	0.518126	4.64845	1.00634	4.46983	0.88181
1.6975	7.86923	0.683453	5.89416	1.28815	5.7492	1.14497
1.7075	9.88478	0.868773	7.16991	1.57117	7.05376	1.41627
1.7175	11.8503	1.02044	8.29567	1.78889	8.26993	1.68108
1.7275	13.5044	1.16335	9.16808	1.95979	9.20618	1.85237
1.7375	14.6481	1.2911	9.65018	2.08276	9.75085	1.96212
1.7475	15.1083	1.31894	9.6468	2.08177	9.82758	1.98436
1.7575	14.8161	1.29995	9.17584	1.96127	9.44142	1.91145
1.7675	13.8297	1.2092	8.33313	1.78688	8.63619	1.74629
1.7775	12.2868	1.08165	7.2561	1.53543	7.52807	1.53006
1.7875	10.4553	0.926039	6.03132	1.2501	6.28275	1.2528
1.7975	8.52284	0.749765	4.84605	0.988073	5.0382	1.00544
1.8075	6.69553	0.582581	3.78119	0.748577	3.92211	0.781436
1.8175	5.10808	0.441515	2.89082	0.555264	2.96979	0.583689
1.8275	3.83002	0.33034	2.20684	0.395799	2.23158	0.425189
1.8375	2.88581	0.236261	1.70415	0.270932	1.69318	0.314197
1.8475	2.14743	0.178789	1.33788	0.200176	1.28327	0.233265
1.8575	1.63137	0.128421	1.06356	0.143757	0.999169	0.178119
1.8675	1.28047	0.101445	0.865644	0.106616	0.792963	0.139824
1.8775	1.02635	0.0789982	0.725226	0.0829064	0.645841	0.11111
1.8875	0.844685	0.0677062	0.624587	0.0727768	0.536655	0.0937568
1.8975	0.714833	0.0582742	0.54399	0.0591528	0.453599	0.0787014
1.9075	0.615505	0.0505378	0.4916	0.0584572	0.39922	0.0725226
1.9175	0.546325	0.0512119	0.466635	0.062177	0.359542	0.0659289

1.9275	0.492394	0.0526085	0.455613	0.0560667	0.33362	0.0619497
1.9375	0.457896	0.0500376	0.455479	0.0650331	0.325846	0.0643942
1.9475	0.429935	0.0477574	0.485316	0.0711879	0.334166	0.0638847
1.9575	0.411124	0.0436332	0.5119	0.0774324	0.336433	0.0612954
1.9675	0.400667	0.0467377	0.531345	0.0758338	0.34716	0.0647139
1.9775	0.397999	0.045856	0.553116	0.0824222	0.361037	0.0689638
1.9875	0.397877	0.0469935	0.575117	0.0812282	0.372121	0.0729625
1.9975	0.406028	0.0436418	0.587416	0.0784253	0.3788	0.075241
2.0075	0.409506	0.0463274	0.594295	0.0840987	0.388653	0.0747237
2.0175	0.420658	0.0447384	0.589311	0.0859312	0.389652	0.0732183
2.0275	0.425806	0.0446998	0.575846	0.081853	0.383561	0.071385
2.0375	0.426747	0.0451879	0.560238	0.0812416	0.375355	0.0703605
2.0475	0.424507	0.0442853	0.540794	0.0715278	0.36647	0.0677828
2.0575	0.416337	0.0421837	0.51807	0.0661035	0.351507	0.066912
2.0675	0.406814	0.0417106	0.488291	0.064055	0.334689	0.0633267
2.0775	0.393518	0.0391961	0.468383	0.0574169	0.319956	0.0612306
2.0875	0.380823	0.0378146	0.450552	0.0551862	0.308935	0.058454
2.0975	0.369458	0.0373257	0.436074	0.0520082	0.300212	0.0550042
2.1075	0.358411	0.0392621	0.424367	0.0520885	0.292739	0.0525166
2.1175	0.35068	0.0384962	0.418135	0.0533216	0.286182	0.0533485
2.1275	0.345363	0.0345282	0.416744	0.0525743	0.283545	0.0548856
2.1375	0.345269	0.0344165	0.419354	0.052881	0.284023	0.0536223
2.1475	0.347414	0.0342327	0.428677	0.0572747	0.286831	0.0526793
2.1575	0.351408	0.0334328	0.447519	0.0638716	0.295022	0.0539867
2.1675	0.361503	0.03292	0.483861	0.0705896	0.308859	0.0574331
2.1775	0.381998	0.0384134	0.536063	0.0780863	0.335672	0.0633655
2.1875	0.411044	0.0417337	0.62526	0.104234	0.381651	0.0698411
2.1975	0.460773	0.044962	0.773597	0.15192	0.450959	0.0780548
2.2075	0.537129	0.0450533	0.984622	0.22773	0.553879	0.0983058
2.2175	0.654793	0.0528487	1.28641	0.325727	0.698713	0.125608
2.2275	0.820188	0.065171	1.70577	0.464945	0.903313	0.163014
2.2375	1.03635	0.0836838	2.23397	0.650653	1.17074	0.212219
2.2475	1.31124	0.106027	2.88007	0.87518	1.49517	0.272431
2.2575	1.64037	0.135126	3.62278	1.13461	1.87244	0.336502
2.2675	2.00874	0.165882	4.39172	1.38073	2.27834	0.415147
2.2775	2.38073	0.193299	5.14259	1.63094	2.66376	0.493437
2.2875	2.7345	0.221919	5.77516	1.85752	3.00646	0.554893
2.2975	3.03161	0.244251	6.21233	2.01174	3.26615	0.603618
2.3075	3.22076	0.258383	6.41488	2.08586	3.40742	0.631511
2.3175	3.28421	0.261026	6.35527	2.06979	3.39854	0.62388
2.3275	3.22847	0.259368	6.04928	1.9739	3.25961	0.600501
2.3375	3.05242	0.249924	5.52838	1.78465	3.00132	0.556826
2.3475	2.76686	0.221997	4.84911	1.55634	2.65639	0.492784
2.3575	2.41695	0.198788	4.10024	1.30693	2.26903	0.416533
2.3675	2.0437	0.170591	3.35854	1.05379	1.88188	0.348862
2.3775	1.67453	0.139874	2.68643	0.84018	1.51618	0.28256
2.3875	1.35785	0.108897	2.11518	0.659003	1.20643	0.223317

2.3975	1.09355	0.0912403	1.67934	0.525691	0.964237	0.175132
2.4075	0.89268	0.0759264	1.35857	0.430169	0.787073	0.140956
2.4175	0.749818	0.0677561	1.14347	0.367938	0.664511	0.117946
2.4275	0.653307	0.057658	1.01374	0.339105	0.588294	0.104499
2.4375	0.600651	0.0523824	0.938368	0.316486	0.545388	0.10068
2.4475	0.571417	0.0506815	0.896086	0.294611	0.521492	0.095067
2.4575	0.55313	0.0484179	0.863869	0.272	0.50688	0.0920645
2.4675	0.540104	0.0477304	0.838411	0.250353	0.493385	0.0921069
2.4775	0.527706	0.046744	0.79945	0.224864	0.477154	0.086521
2.4875	0.512394	0.0449959	0.751639	0.196752	0.458037	0.084281
2.4975	0.494353	0.0452328	0.703583	0.168707	0.430569	0.0805991
2.5075	0.470009	0.0439045	0.647962	0.140546	0.401351	0.0725539
2.5175	0.444446	0.0410706	0.593186	0.117057	0.37599	0.0661368
2.5275	0.422598	0.0385837	0.546699	0.09544	0.351992	0.063183
2.5375	0.401766	0.0350146	0.50761	0.0740875	0.332589	0.0623916
2.5475	0.389364	0.0348233	0.479284	0.062506	0.319179	0.0586605
2.5575	0.382283	0.035774	0.463069	0.0603286	0.314054	0.0558678
2.5675	0.381021	0.0346771	0.463762	0.0574569	0.317615	0.0579661
2.5775	0.392502	0.0365627	0.482064	0.0609617	0.330146	0.0595246
2.5875	0.413911	0.0406966	0.507453	0.0700092	0.352939	0.0633128
2.5975	0.446585	0.0426494	0.549581	0.0764285	0.384653	0.0674108
2.6075	0.49639	0.0439655	0.610541	0.0861259	0.42887	0.0758529
2.6175	0.56443	0.0524978	0.68546	0.0985263	0.486205	0.0890613
2.6275	0.650485	0.0638511	0.780316	0.113712	0.557106	0.102566
2.6375	0.750973	0.0750152	0.887819	0.126558	0.639269	0.120686
2.6475	0.864133	0.0890821	0.996972	0.137976	0.732021	0.139592
2.6575	0.984383	0.106543	1.1184	0.156943	0.825525	0.16122
2.6675	1.10563	0.123689	1.22323	0.17766	0.910227	0.183495
2.6775	1.22539	0.138047	1.3069	0.194716	0.984958	0.196234
2.6875	1.32003	0.152369	1.37071	0.210884	1.04149	0.206912
2.6975	1.38179	0.160052	1.39871	0.221867	1.06888	0.215605
2.7075	1.40973	0.16474	1.39152	0.217952	1.06963	0.215842
2.7175	1.40243	0.162566	1.35433	0.209261	1.04754	0.206066
2.7275	1.36073	0.152654	1.30049	0.19945	1.00601	0.194573
2.7375	1.29867	0.14539	1.23894	0.186477	0.951163	0.185408
2.7475	1.22748	0.133345	1.17846	0.179528	0.896083	0.176409
2.7575	1.15607	0.11878	1.13449	0.182334	0.851731	0.171259
2.7675	1.09769	0.113616	1.11357	0.191366	0.823293	0.178201
2.7775	1.06695	0.119054	1.11748	0.215747	0.814213	0.190347
2.7875	1.06069	0.127593	1.1442	0.247077	0.820311	0.212519
2.7975	1.07378	0.143817	1.18643	0.27598	0.846323	0.238834
2.8075	1.10802	0.162411	1.23868	0.311152	0.881695	0.25982
2.8175	1.15057	0.176149	1.29218	0.348508	0.913909	0.282463
2.8275	1.19122	0.19056	1.33021	0.368773	0.936065	0.300857
2.8375	1.22058	0.201695	1.33918	0.380446	0.946907	0.308495
2.8475	1.22672	0.204501	1.32785	0.381578	0.942491	0.304296
2.8575	1.20559	0.19867	1.29081	0.366647	0.916809	0.293181

2.8675	1.16458	0.187243	1.23219	0.34816	0.875144	0.273212
2.8775	1.10855	0.16868	1.16658	0.322815	0.825625	0.243518
2.8875	1.03805	0.146672	1.09353	0.295249	0.772053	0.214848
2.8975	0.964663	0.125049	1.01602	0.261553	0.718559	0.190058
2.9075	0.894509	0.099833	0.941738	0.22334	0.670124	0.162361
2.9175	0.826791	0.0850017	0.877519	0.194534	0.626559	0.137735
2.9275	0.770343	0.0727716	0.830925	0.172804	0.590715	0.121957
2.9375	0.7283	0.0595277	0.790804	0.15666	0.563305	0.110783
2.9475	0.697384	0.0569674	0.755711	0.145259	0.545517	0.101686
2.9575	0.674348	0.0568496	0.73106	0.136818	0.532149	0.0966274
2.9675	0.65425	0.0520594	0.709985	0.131776	0.51937	0.0919664
2.9775	0.634439	0.051717	0.692832	0.133265	0.505986	0.0886304
2.9875	0.61959	0.0521274	0.676935	0.133887	0.494153	0.0866346
2.9975	0.606116	0.0491009	0.659404	0.134178	0.481409	0.0853978
3.0075	0.591902	0.0491779	0.642869	0.13105	0.466335	0.083116
3.0175	0.571093	0.0506016	0.621973	0.126754	0.449168	0.0794335
3.0275	0.552371	0.0501477	0.602487	0.124443	0.431976	0.0782898
3.0375	0.531929	0.0478189	0.583581	0.11968	0.414901	0.0743434
3.0475	0.510352	0.0428152	0.567413	0.112864	0.398422	0.0722996
3.0575	0.492859	0.0443658	0.555119	0.104379	0.387186	0.0700777
3.0675	0.478493	0.042928	0.543743	0.0943363	0.37806	0.069264
3.0775	0.466132	0.0420508	0.53676	0.0891383	0.36901	0.0693777
3.0875	0.45477	0.0422887	0.533565	0.0846873	0.36379	0.0688656
3.0975	0.447686	0.0410831	0.532011	0.0828175	0.361214	0.0690131
3.1075	0.440177	0.0376569	0.538139	0.0804119	0.361225	0.067579
3.1175	0.440293	0.0375774	0.544186	0.0786812	0.362172	0.067455
3.1275	0.445163	0.039015	0.551842	0.0774753	0.365002	0.066805
3.1375	0.451523	0.0384694	0.56166	0.0768046	0.371612	0.0658574
3.1475	0.458486	0.0384468	0.575998	0.0783215	0.380105	0.0688902
3.1575	0.471615	0.0417643	0.596353	0.0786205	0.393277	0.0715675
3.1675	0.488256	0.0426299	0.627497	0.0789071	0.413968	0.0770537
3.1775	0.513552	0.0462002	0.673296	0.0851265	0.442435	0.0826182
3.1875	0.555879	0.0499787	0.738763	0.0950013	0.482972	0.0911198
3.1975	0.611099	0.0536602	0.840032	0.118099	0.543949	0.10251
3.2075	0.697232	0.0644045	0.981688	0.15028	0.630613	0.125494
3.2175	0.819062	0.0781567	1.1655	0.197577	0.749257	0.155041
3.2275	0.979553	0.0984782	1.41036	0.263463	0.906317	0.194665
3.2375	1.18847	0.124049	1.70746	0.34897	1.10498	0.247071
3.2475	1.45295	0.158267	2.06091	0.447526	1.33346	0.30488
3.2575	1.762	0.19258	2.45203	0.553195	1.5913	0.378428
3.2675	2.10128	0.230676	2.85716	0.667895	1.8738	0.455891
3.2775	2.4575	0.279364	3.23308	0.771084	2.14767	0.523754
3.2875	2.80608	0.322188	3.55863	0.858845	2.38868	0.587059
3.2975	3.09478	0.367187	3.79901	0.929303	2.56357	0.636289
3.3075	3.32694	0.38895	3.93366	0.968882	2.6877	0.669202
3.3175	3.45523	0.395435	3.94262	0.95778	2.72866	0.67875
3.3275	3.47443	0.406471	3.82628	0.917537	2.67396	0.665162

3.3375	3.38374	0.400126	3.59593	0.858198	2.5304	0.627515
3.3475	3.19901	0.374066	3.27887	0.776982	2.32241	0.574135
3.3575	2.91735	0.336796	2.91733	0.667209	2.07804	0.512703
3.3675	2.58931	0.292484	2.53325	0.547598	1.80504	0.43782
3.3775	2.24351	0.246884	2.14622	0.446413	1.53553	0.362615
3.3875	1.90095	0.207215	1.80538	0.352675	1.28836	0.299215
3.3975	1.58791	0.169331	1.50788	0.269041	1.07327	0.240692
3.4075	1.31919	0.133921	1.27043	0.203509	0.897492	0.19071
3.4175	1.09158	0.108083	1.09469	0.160506	0.762087	0.15508
3.4275	0.926234	0.0856387	0.973492	0.134283	0.669846	0.132214
3.4375	0.811915	0.0753456	0.905752	0.119404	0.611463	0.118307
3.4475	0.739295	0.0654429	0.879492	0.118273	0.580903	0.109664
3.4575	0.701097	0.0582997	0.884787	0.120759	0.577351	0.107823
3.4675	0.693546	0.0593843	0.930985	0.130709	0.594654	0.109126
3.4775	0.716661	0.0605865	1.00743	0.146323	0.630992	0.116108
3.4875	0.765213	0.0607901	1.12491	0.168051	0.693362	0.129438
3.4975	0.840386	0.0690205	1.30801	0.203678	0.79134	0.147872
3.5075	0.957788	0.08108	1.56485	0.251934	0.931845	0.17388
3.5175	1.13264	0.095137	1.95147	0.321577	1.14364	0.210844
3.5275	1.38993	0.115001	2.53912	0.426576	1.45951	0.265772
3.5375	1.77302	0.146116	3.43374	0.601238	1.93939	0.357453
3.5475	2.34879	0.18969	4.78703	0.860446	2.66799	0.490005
3.5575	3.21193	0.26259	6.78801	1.23359	3.74088	0.686801
3.5675	4.49817	0.363966	9.70571	1.79842	5.30714	0.979051
3.5775	6.35615	0.5126	13.8063	2.59095	7.55003	1.39692
3.5875	8.99184	0.739128	19.3767	3.63072	10.628	1.97697
3.5975	12.6265	1.04303	26.6399	5.01233	14.6999	2.74121
3.6075	17.395	1.42249	35.7199	6.70922	19.8877	3.71621
3.6175	23.4152	1.91076	46.6253	8.69214	26.1595	4.90693
3.6275	30.7052	2.53321	59.0027	10.9659	33.4077	6.29151
3.6375	39.0924	3.21951	72.222	13.3595	41.3588	7.79074
3.6475	48.2373	3.95677	85.6032	15.7238	49.5448	9.34578
3.6575	57.5091	4.73788	97.985	17.9168	57.3359	10.8549
3.6675	66.3172	5.47406	108.263	19.6955	64.1309	12.1583
3.6775	73.9257	6.1269	115.57	20.8973	69.2622	13.1514
3.6875	79.5363	6.618	119.023	21.4456	72.1661	13.7633
3.6975	82.6366	6.90152	118.273	21.2876	72.5697	13.865
3.7075	82.8298	6.92312	113.431	20.4344	70.4508	13.4616
3.7175	80.1448	6.71861	104.977	18.8976	65.9723	12.6298
3.7275	74.8571	6.30547	93.7486	16.811	59.5976	11.4285
3.7375	67.4238	5.69972	80.7938	14.4749	51.9749	9.9744
3.7475	58.6408	4.9967	67.2168	12.0949	43.747	8.43462
3.7575	49.243	4.18792	53.9906	9.76141	35.5585	6.87657
3.7675	39.9055	3.39071	41.9366	7.58038	27.9249	5.40802
3.7775	31.2469	2.68454	31.4989	5.70828	21.2007	4.11881
3.7875	23.6671	2.03122	22.8778	4.16635	15.5751	3.02118
3.7975	17.3672	1.49518	16.1336	2.93807	11.0971	2.149

3.8075	12.3625	1.06301	11.0938	2.01863	7.68957	1.49223
3.8175	8.57245	0.731156	7.48905	1.34871	5.21544	1.0171
3.8275	5.83338	0.503616	5.02724	0.893499	3.50662	0.685265
3.8375	3.92525	0.34144	3.43148	0.592905	2.3773	0.462483
3.8475	2.67787	0.236483	2.48296	0.415323	1.68192	0.323947
3.8575	1.9187	0.168314	1.99878	0.333642	1.29811	0.248711
3.8675	1.49471	0.133618	1.83659	0.303162	1.13391	0.215511
3.8775	1.32094	0.11695	1.92344	0.318437	1.13505	0.212891
3.8875	1.33644	0.112185	2.23292	0.38118	1.27334	0.23733
3.8975	1.50445	0.120491	2.75434	0.486891	1.53697	0.286741
3.9075	1.81445	0.147557	3.49063	0.615987	1.92796	0.357429
3.9175	2.2654	0.186464	4.46717	0.774235	2.4579	0.455961
3.9275	2.8706	0.245612	5.68801	0.989238	3.13119	0.579952
3.9375	3.65355	0.313663	7.1368	1.24367	3.93353	0.733415
3.9475	4.59186	0.38011	8.77223	1.53729	4.85703	0.912825
3.9575	5.66624	0.461131	10.5208	1.84214	5.88633	1.10002
3.9675	6.85418	0.559408	12.3094	2.12766	6.95727	1.29172
3.9775	8.08321	0.673384	14.0129	2.40513	7.9905	1.4854
3.9875	9.26819	0.783721	15.4536	2.63038	8.90539	1.67437
3.9975	10.3147	0.882382	16.5193	2.80157	9.63052	1.81375
4.0075	11.1613	0.952932	17.1168	2.89987	10.0965	1.90111
4.0175	11.709	0.991058	17.1772	2.89922	10.2517	1.93529
4.0275	11.8671	0.998896	16.6792	2.82379	10.0784	1.90372
4.0375	11.6562	0.990479	15.6431	2.64845	9.57925	1.8113
4.0475	11.0918	0.939182	14.2055	2.38604	8.82125	1.67091
4.0575	10.2182	0.8654	12.503	2.09801	7.86623	1.49758
4.0675	9.11243	0.77247	10.6642	1.79893	6.7892	1.30103
4.0775	7.85998	0.665576	8.79311	1.47944	5.67551	1.08909
4.0875	6.58599	0.562885	7.01638	1.1742	4.59257	0.87772
4.0975	5.34718	0.456237	5.44563	0.913638	3.60708	0.689429
4.1075	4.20078	0.359611	4.0991	0.680769	2.75331	0.520503
4.1175	3.21756	0.281135	3.00778	0.491422	2.04555	0.390408
4.1275	2.39758	0.209325	2.15402	0.344639	1.48521	0.284595
4.1375	1.75512	0.14927	1.51427	0.228902	1.06377	0.202567
4.1475	1.26984	0.110111	1.05538	0.154483	0.755261	0.144892
4.1575	0.909739	0.0788295	0.734104	0.105278	0.538846	0.102182
4.1675	0.656914	0.0614459	0.522055	0.0707184	0.390122	0.0743163
4.1775	0.484954	0.047822	0.382411	0.0500783	0.293421	0.0603005
4.1875	0.37274	0.0375684	0.297387	0.0422604	0.229563	0.0487612
4.1975	0.301687	0.0312128	0.245643	0.0403201	0.191573	0.0423882
4.2075	0.256421	0.029052	0.216813	0.0377648	0.171006	0.0414836
4.2175	0.230051	0.0266892	0.203319	0.036367	0.158723	0.0403513
4.2275	0.217035	0.0254582	0.194656	0.0367866	0.152014	0.0373176
4.2375	0.209666	0.0280772	0.188088	0.0368141	0.148134	0.0371587
4.2475	0.205626	0.0288596	0.186665	0.0368223	0.147471	0.0378385
4.2575	0.203807	0.0277602	0.188931	0.0385954	0.147244	0.0377353
4.2675	0.204941	0.0279511	0.189486	0.0381789	0.147047	0.0373109

4.2775	0.207152	0.0267879	0.190203	0.0375882	0.148517	0.0373036
4.2875	0.208546	0.0269344	0.193682	0.0388675	0.149738	0.0376048
4.2975	0.207545	0.0276951	0.196586	0.040146	0.150287	0.0358895
4.3075	0.209622	0.0260113	0.199252	0.0395684	0.152615	0.0368418
4.3175	0.213989	0.0269615	0.204922	0.0412158	0.156498	0.0363346
4.3275	0.217247	0.0284831	0.212458	0.047329	0.160339	0.0365952
4.3375	0.223329	0.0318301	0.225992	0.0538011	0.166089	0.0389123
4.3475	0.230656	0.0311411	0.245448	0.0643821	0.174879	0.0386132
4.3575	0.240555	0.0307228	0.271597	0.0808132	0.186844	0.0395325
4.3675	0.25649	0.0359277	0.307992	0.105252	0.204459	0.042972
4.3775	0.280069	0.0395492	0.35612	0.146097	0.227339	0.0469538
4.3875	0.310655	0.0435974	0.423975	0.199883	0.2558	0.0535769
4.3975	0.351992	0.0494516	0.510125	0.271896	0.298893	0.0625052
4.4075	0.405587	0.0645529	0.619478	0.369223	0.350958	0.0743812
4.4175	0.477227	0.0855907	0.753071	0.489652	0.414055	0.0891591
4.4275	0.561549	0.108653	0.905953	0.638358	0.488635	0.10644
4.4375	0.658846	0.137971	1.08172	0.815875	0.575395	0.128642
4.4475	0.773466	0.174823	1.26187	0.99421	0.666447	0.149331
4.4575	0.900772	0.208619	1.44791	1.18172	0.759815	0.175078
4.4675	1.03253	0.248262	1.62812	1.37669	0.848242	0.200331
4.4775	1.16297	0.2925	1.77757	1.53673	0.931283	0.219543
4.4875	1.28629	0.336847	1.89332	1.65268	1.00157	0.238997
4.4975	1.37962	0.367636	1.96925	1.74779	1.04714	0.25012
4.5075	1.45197	0.403289	1.98585	1.79241	1.07362	0.257149
4.5175	1.49625	0.417616	1.94754	1.76571	1.06821	0.259788
4.5275	1.49875	0.417551	1.87319	1.70615	1.03452	0.251889
4.5375	1.46529	0.410278	1.75213	1.59209	0.977252	0.238367
4.5475	1.39872	0.393608	1.58752	1.42135	0.904257	0.217863
4.5575	1.29389	0.361897	1.40866	1.24952	0.820694	0.196192
4.5675	1.17339	0.321352	1.22454	1.05231	0.718275	0.167914
4.5775	1.05618	0.277051	1.04286	0.860725	0.628824	0.144342
4.5875	0.93204	0.237084	0.872645	0.688639	0.540824	0.123769
4.5975	0.811023	0.201299	0.720833	0.530047	0.459195	0.0996021
4.6075	0.692522	0.16721	0.599045	0.393443	0.395528	0.0852319
4.6175	0.597207	0.134287	0.49932	0.282799	0.342945	0.073949
4.6275	0.522003	0.11378	0.425011	0.203666	0.296824	0.06651
4.6375	0.454969	0.100244	0.369095	0.138799	0.263538	0.059814
4.6475	0.405104	0.0842092	0.328926	0.10255	0.244211	0.054592
4.6575	0.367421	0.0760745	0.305298	0.0749836	0.227094	0.0505717
4.6675	0.343019	0.0687293	0.291291	0.0589376	0.216919	0.0461967
4.6775	0.323083	0.0630952	0.278175	0.0528695	0.209799	0.0499794
4.6875	0.307756	0.063604	0.271461	0.0524519	0.204351	0.0486995
4.6975	0.294662	0.0548461	0.270441	0.0515647	0.204733	0.0478756
4.7075	0.288291	0.0492627	0.27133	0.051464	0.206795	0.0499194
4.7175	0.285285	0.0462183	0.278716	0.0548145	0.206375	0.0471623
4.7275	0.282013	0.040604	0.285992	0.0598668	0.208289	0.046733
4.7375	0.286282	0.0387714	0.290707	0.0643521	0.210252	0.0471376

4.7475	0.288612	0.0354217	0.301941	0.0718993	0.216092	0.0488428
4.7575	0.294378	0.0369188	0.31492	0.0860212	0.225551	0.0515005
4.7675	0.302484	0.0394258	0.33178	0.0948332	0.232467	0.0512134
4.7775	0.315232	0.0366163	0.348961	0.111931	0.241345	0.0505835
4.7875	0.327121	0.0354927	0.365078	0.125699	0.252853	0.0542183
4.7975	0.346476	0.0382647	0.386647	0.143272	0.26655	0.057997
4.8075	0.361189	0.0391038	0.409159	0.153854	0.277262	0.0609021
4.8175	0.376864	0.0435177	0.429879	0.163965	0.290406	0.0626005
4.8275	0.398561	0.0463045	0.453725	0.173666	0.302151	0.0615546
4.8375	0.417992	0.0490057	0.480343	0.183669	0.315527	0.0674221
4.8475	0.437693	0.0525427	0.501322	0.190232	0.332032	0.0708647
4.8575	0.456224	0.058755	0.524186	0.196798	0.346273	0.0741072
4.8675	0.475672	0.0673244	0.548085	0.206069	0.36405	0.0805927
4.8775	0.503663	0.075451	0.571014	0.213972	0.375362	0.0842698
4.8875	0.531017	0.0826098	0.595995	0.232639	0.389307	0.0881151
4.8975	0.55374	0.0874958	0.614852	0.244739	0.405269	0.0925711
4.9075	0.576932	0.0998398	0.630287	0.265252	0.420311	0.101735
4.9175	0.599075	0.108855	0.639379	0.276473	0.430775	0.108294
4.9275	0.619722	0.112707	0.643418	0.280264	0.437842	0.115254
4.9375	0.632077	0.117291	0.637186	0.27766	0.436691	0.120389
4.9475	0.641651	0.12214	0.626187	0.267684	0.438136	0.127043
4.9575	0.644961	0.123457	0.610383	0.260397	0.436306	0.137049
4.9675	0.635246	0.118428	0.586408	0.234888	0.424408	0.136584
4.9775	0.619025	0.114496	0.55459	0.203512	0.409529	0.144561
4.9875	0.601476	0.104695	0.527117	0.186109	0.394073	0.149919
4.9975	0.569934	0.103861	0.488045	0.165507	0.376124	0.1554
5.0075	0.541258	0.0878967	0.450796	0.135919	0.361231	0.157829
5.0175	0.512275	0.081074	0.421473	0.115614	0.345724	0.164405
5.0275	0.486338	0.0766446	0.39161	0.0977266	0.328022	0.16453
5.0375	0.458783	0.0654236	0.368307	0.0843119	0.312229	0.163279
5.0475	0.428533	0.0515106	0.348561	0.0701046	0.30306	0.160443
5.0575	0.414131	0.0477457	0.33378	0.0679058	0.294689	0.16472
5.0675	0.396312	0.048081	0.32635	0.0654374	0.285321	0.161613
5.0775	0.381499	0.0455656	0.319463	0.0601415	0.277843	0.152691
5.0875	0.368707	0.042571	0.31785	0.0637808	0.274891	0.144698
5.0975	0.36254	0.0404706	0.317128	0.063841	0.276773	0.148931
5.1075	0.362498	0.0421704	0.318043	0.0627633	0.274107	0.141341
5.1175	0.356866	0.0415498	0.318955	0.0685441	0.272024	0.129637
5.1275	0.35841	0.0415084	0.325226	0.0692876	0.273035	0.125257
5.1375	0.360309	0.0435132	0.3283	0.0716988	0.273084	0.117453
5.1475	0.361127	0.0424765	0.329374	0.0743558	0.274762	0.117484
5.1575	0.363888	0.0414109	0.332671	0.0709414	0.272451	0.109214
5.1675	0.366167	0.0432015	0.335824	0.0739725	0.271612	0.105411
5.1775	0.365027	0.0437191	0.334968	0.074559	0.27422	0.0995638
5.1875	0.366468	0.0430763	0.336102	0.0721661	0.27361	0.0975461
5.1975	0.367238	0.04138	0.335229	0.0693031	0.273813	0.0918808
5.2075	0.367037	0.0399159	0.334488	0.0714257	0.270167	0.0855005

5.2175	0.370231	0.0436594	0.334574	0.0695267	0.265353	0.0794399
5.2275	0.367847	0.0410166	0.326071	0.062974	0.265255	0.0786636
5.2375	0.372872	0.0423036	0.324456	0.0614279	0.266	0.0777768
5.2475	0.374688	0.0428487	0.325741	0.0616854	0.265634	0.0717454
5.2575	0.379244	0.0419763	0.327622	0.0624611	0.264558	0.0677667
5.2675	0.386557	0.0454354	0.327029	0.0613394	0.266193	0.070638
5.2775	0.39651	0.0497864	0.331309	0.0603511	0.273448	0.0714066
5.2875	0.411572	0.0492007	0.333912	0.0638758	0.281259	0.069883
5.2975	0.433517	0.0561009	0.340011	0.0682246	0.292837	0.0770825
5.3075	0.463766	0.0659486	0.347638	0.0733835	0.30723	0.082831
5.3175	0.502901	0.071084	0.358796	0.0757315	0.325935	0.0940626
5.3275	0.550133	0.0834154	0.37	0.0804714	0.34845	0.0999695
5.3375	0.611084	0.103028	0.387446	0.0916461	0.371967	0.115346
5.3475	0.684709	0.128517	0.405067	0.102438	0.408593	0.140471
5.3575	0.764169	0.151618	0.423775	0.114432	0.440213	0.163064
5.3675	0.852732	0.184958	0.445448	0.122513	0.475125	0.184108
5.3775	0.940999	0.21209	0.464292	0.134236	0.505139	0.204581
5.3875	1.03182	0.236353	0.473752	0.140332	0.536735	0.231226
5.3975	1.11702	0.26773	0.488336	0.147672	0.557961	0.243899
5.4075	1.18195	0.291801	0.505691	0.153175	0.578804	0.247375
5.4175	1.23175	0.30524	0.50667	0.153969	0.590176	0.264409
5.4275	1.25924	0.312062	0.506654	0.155738	0.589099	0.255928
5.4375	1.26874	0.310606	0.507581	0.145979	0.577755	0.245431
5.4475	1.25134	0.300658	0.494168	0.134958	0.564146	0.235051
5.4575	1.20755	0.281026	0.488294	0.133742	0.547189	0.214419
5.4675	1.14366	0.257584	0.480946	0.125742	0.51717	0.193369
5.4775	1.06719	0.240822	0.467557	0.115665	0.490966	0.177047
5.4875	0.985049	0.209456	0.453975	0.112408	0.461521	0.153323
5.4975	0.895394	0.179039	0.443094	0.104465	0.435395	0.134644
5.5075	0.814668	0.152975	0.434908	0.100495	0.414907	0.129373
5.5175	0.74611	0.124751	0.423839	0.0963463	0.390773	0.111588
5.5275	0.669337	0.107502	0.420409	0.0916729	0.372346	0.0989682
5.5375	0.613754	0.0908819	0.415873	0.0916714	0.357903	0.0955207
5.5475	0.568623	0.0772382	0.407792	0.0905892	0.347917	0.0889824
5.5575	0.527648	0.0695395	0.409768	0.0902326	0.342723	0.0919873
5.5675	0.504381	0.0620832	0.406258	0.0905917	0.337352	0.08869
5.5775	0.482898	0.0629064	0.400268	0.0916897	0.325728	0.0904083
5.5875	0.464337	0.0590538	0.398857	0.089925	0.32735	0.0871069
5.5975	0.457149	0.0542647	0.39674	0.085628	0.327058	0.0902516
5.6075	0.452747	0.0563697	0.395223	0.0871706	0.325391	0.0887988
5.6175	0.45439	0.0555631	0.398868	0.0887857	0.327515	0.087393
5.6275	0.449323	0.0572165	0.398595	0.0865011	0.326082	0.091318
5.6375	0.446283	0.05515	0.394059	0.0877652	0.325433	0.0904512
5.6475	0.447178	0.0585498	0.395002	0.0793557	0.32887	0.0934386
5.6575	0.449732	0.0560776	0.397734	0.0853936	0.331175	0.0936959
5.6675	0.452263	0.0588292	0.401395	0.0861664	0.335995	0.0956677
5.6775	0.457291	0.0538073	0.402151	0.0837958	0.339024	0.0966086

5.6875	0.465435	0.0573193	0.41065	0.0878067	0.347357	0.0989492
5.6975	0.470954	0.0572358	0.413921	0.0840695	0.351634	0.107029
5.7075	0.471803	0.0603649	0.413861	0.0807098	0.356282	0.111557
5.7175	0.477202	0.0545416	0.428347	0.0854135	0.368725	0.116435
5.7275	0.484286	0.0627126	0.440493	0.0910912	0.374425	0.119134
5.7375	0.499673	0.0637306	0.461766	0.0980528	0.386045	0.129119
5.7475	0.512426	0.063837	0.486264	0.107266	0.400452	0.127931
5.7575	0.530077	0.0627409	0.519079	0.119211	0.421683	0.147399
5.7675	0.553157	0.0664665	0.552589	0.143928	0.449444	0.151239
5.7775	0.582508	0.0757418	0.598637	0.164069	0.4732	0.153066
5.7875	0.621797	0.0761416	0.665005	0.203053	0.510469	0.167328
5.7975	0.663122	0.0891975	0.741956	0.24546	0.553066	0.175148
5.8075	0.71885	0.0977917	0.828151	0.308441	0.606825	0.186208
5.8175	0.790263	0.105313	0.928055	0.375973	0.66601	0.19893
5.8275	0.865945	0.119508	1.03902	0.434928	0.733549	0.217834
5.8375	0.955027	0.13363	1.15559	0.496086	0.803113	0.234097
5.8475	1.05942	0.153306	1.27054	0.592571	0.876736	0.251632
5.8575	1.1663	0.189115	1.38049	0.665402	0.952125	0.267454
5.8675	1.27711	0.210039	1.47897	0.730315	1.02136	0.283144
5.8775	1.37303	0.224778	1.54692	0.766332	1.07531	0.289307
5.8875	1.46412	0.244899	1.59865	0.798911	1.1176	0.30861
5.8975	1.54323	0.261597	1.61661	0.795417	1.14218	0.310818
5.9075	1.60129	0.278538	1.61702	0.791602	1.15182	0.313675
5.9175	1.62062	0.28234	1.58155	0.773239	1.14614	0.308114
5.9275	1.61985	0.27165	1.52531	0.725615	1.11065	0.292074
5.9375	1.6065	0.27273	1.43738	0.661226	1.06563	0.285826
5.9475	1.55277	0.258012	1.34015	0.586699	1.0075	0.264702
5.9575	1.4824	0.239441	1.23463	0.508033	0.942692	0.252426
5.9675	1.40285	0.218256	1.13276	0.445122	0.879774	0.235876
5.9775	1.31516	0.200258	1.03225	0.384175	0.816369	0.21176
5.9875	1.22741	0.175806	0.939289	0.308204	0.753689	0.198031
5.9975	1.12894	0.156948	0.866793	0.260493	0.693049	0.179901
6.0075	1.04479	0.142078	0.802007	0.215119	0.64025	0.166698
6.0175	0.965677	0.128257	0.740633	0.17702	0.603801	0.15141
6.0275	0.908391	0.120272	0.711285	0.164683	0.572313	0.147874
6.0375	0.84843	0.102039	0.677437	0.14052	0.548173	0.142397
6.0475	0.807591	0.0993857	0.663028	0.134197	0.532948	0.141096
6.0575	0.777791	0.101019	0.648522	0.132453	0.520572	0.142134
6.0675	0.758935	0.0963871	0.644783	0.126909	0.514172	0.142307
6.0775	0.742765	0.100925	0.652988	0.13164	0.51376	0.135636
6.0875	0.743353	0.0987349	0.656271	0.134075	0.514794	0.137442
6.0975	0.743634	0.103081	0.658801	0.141005	0.520203	0.141834
6.1075	0.745177	0.102723	0.672628	0.146635	0.528233	0.144793
6.1175	0.757203	0.109475	0.689469	0.155662	0.540345	0.147225
6.1275	0.775729	0.110811	0.712841	0.157996	0.558314	0.156168
6.1375	0.795291	0.120052	0.733821	0.174114	0.577872	0.166838
6.1475	0.817582	0.124131	0.761682	0.185743	0.601795	0.174985

6.1575	0.857066	0.127179	0.811148	0.196866	0.631296	0.192501
6.1675	0.895776	0.141543	0.867842	0.218332	0.675984	0.207417
6.1775	0.9463	0.149992	0.953434	0.248117	0.730577	0.227772
6.1875	1.02547	0.169785	1.07767	0.294334	0.809261	0.264395
6.1975	1.13393	0.187612	1.26274	0.351806	0.936462	0.306425
6.2075	1.29559	0.22551	1.54035	0.454407	1.13203	0.384332
6.2175	1.53095	0.272525	1.95532	0.601242	1.40113	0.484124
6.2275	1.88029	0.350656	2.56506	0.816339	1.8162	0.641783
6.2375	2.40258	0.446152	3.42279	1.12003	2.41336	0.863121
6.2475	3.17771	0.612091	4.65672	1.55082	3.26684	1.1901
6.2575	4.27328	0.831021	6.32035	2.14535	4.44875	1.65399
6.2675	5.82907	1.1525	8.59299	2.93168	6.06123	2.27552
6.2775	7.97098	1.57876	11.5369	3.95952	8.17516	3.08901
6.2875	10.8485	2.18639	15.1844	5.22758	10.9213	4.12884
6.2975	14.5785	2.9574	19.6939	6.7876	14.3196	5.45573
6.3075	19.3114	3.94243	25.0397	8.62213	18.4193	7.05271
6.3175	25.1193	5.09918	31.1001	10.7131	23.1751	8.95235
6.3275	32.0449	6.55022	37.8063	13.0418	28.5552	11.029
6.3375	39.9764	8.22174	44.8269	15.4313	34.3627	13.3243
6.3475	48.6996	9.98278	51.9071	17.9054	40.3773	15.7352
6.3575	57.8951	11.872	58.63	20.1687	46.2833	18.0931
6.3675	67.2599	13.8326	64.5834	22.3151	51.7469	20.2647
6.3775	76.2458	15.7229	69.4996	24.013	56.4269	22.1482
6.3875	84.2553	17.3966	72.8352	25.2316	60.0271	23.6009
6.3975	90.9239	18.7401	74.4404	25.7654	62.2705	24.624
6.4075	95.5409	19.7439	74.2162	25.7454	62.9776	24.9957
6.4175	97.9757	20.2335	72.1465	25.0923	62.1533	24.6926
6.4275	97.9601	20.2822	68.3705	23.8311	59.7428	23.8355
6.4375	95.5627	19.7916	63.1607	22.1136	56.0337	22.409
6.4475	90.7711	18.7883	56.9756	19.9207	51.2655	20.5217
6.4575	84.218	17.4608	50.0977	17.5354	45.6862	18.3042
6.4675	76.1104	15.8146	42.9536	15.0235	39.7873	16.0146
6.4775	67.1414	13.9706	35.9233	12.6883	33.7557	13.6103
6.4875	57.7032	12.0405	29.3798	10.3516	27.966	11.2518
6.4975	48.4559	10.1053	23.4187	8.29232	22.5837	9.1066
6.5075	39.6955	8.21901	18.3364	6.49177	17.8517	7.19251
6.5175	31.7542	6.59948	14.011	4.96498	13.8188	5.56203
6.5275	24.8246	5.1151	10.4523	3.67287	10.4431	4.16743
6.5375	18.9927	3.94854	7.70326	2.69371	7.7644	3.09017
6.5475	14.2228	2.92954	5.58361	1.9162	5.67855	2.22811
6.5575	10.4752	2.14609	4.03274	1.36839	4.10258	1.58348
6.5675	7.58072	1.55453	2.90356	0.934638	2.94683	1.1006
6.5775	5.41893	1.07479	2.11128	0.640688	2.13641	0.771894
6.5875	3.87877	0.747474	1.56658	0.439719	1.56641	0.532638
6.5975	2.79202	0.522708	1.20748	0.311428	1.18104	0.361596
6.6075	2.04429	0.362836	0.973882	0.229509	0.931447	0.270677
6.6175	1.53796	0.255469	0.826598	0.170404	0.764923	0.202182

6.6275	1.21575	0.190497	0.733783	0.142981	0.666448	0.168946
6.6375	1.0048	0.147646	0.679688	0.118357	0.598825	0.137371
6.6475	0.870576	0.120709	0.648136	0.105387	0.562253	0.125487
6.6575	0.790384	0.100843	0.6276	0.103315	0.541142	0.121441
6.6675	0.745735	0.0971234	0.611922	0.0939584	0.528458	0.119052
6.6775	0.717558	0.0852256	0.614885	0.0943618	0.521869	0.118357
6.6875	0.699097	0.0828196	0.614509	0.0897042	0.51526	0.111662
6.6975	0.6905	0.0812036	0.617302	0.093121	0.517952	0.113429
6.7075	0.687996	0.0871343	0.625398	0.0930195	0.521055	0.114243
6.7175	0.686863	0.0857161	0.627718	0.0942546	0.522251	0.116013
6.7275	0.693572	0.0823656	0.633928	0.0922639	0.524014	0.120624
6.7375	0.694585	0.0808557	0.642637	0.102485	0.528226	0.118105
6.7475	0.699563	0.0866129	0.649474	0.0969355	0.536522	0.118798
6.7575	0.70512	0.0860496	0.66175	0.101669	0.542067	0.121781
6.7675	0.709942	0.0857431	0.673866	0.101272	0.54935	0.123277
6.7775	0.725158	0.086691	0.680477	0.10613	0.562301	0.127383
6.7875	0.741997	0.0881939	0.704678	0.115194	0.576544	0.130083
6.7975	0.753318	0.0976054	0.720981	0.115558	0.583863	0.131053
6.8075	0.76886	0.0957483	0.745992	0.11891	0.601391	0.146654
6.8175	0.790611	0.101817	0.767745	0.125473	0.623783	0.147328
6.8275	0.820368	0.106987	0.808572	0.142927	0.641247	0.150987
6.8375	0.849729	0.114733	0.84657	0.154505	0.673289	0.163335
6.8475	0.891326	0.121741	0.896789	0.164984	0.710272	0.171547
6.8575	0.935653	0.129792	0.970664	0.193562	0.755703	0.181001
6.8675	0.994669	0.147545	1.06223	0.221593	0.81937	0.202834
6.8775	1.07339	0.161175	1.17519	0.254407	0.908032	0.234658
6.8875	1.18162	0.178379	1.34342	0.312025	1.02234	0.277789
6.8975	1.32524	0.217127	1.551	0.375524	1.16018	0.33466
6.9075	1.51215	0.247597	1.81649	0.461309	1.35882	0.404292
6.9175	1.75541	0.305572	2.16332	0.562453	1.60073	0.481823
6.9275	2.07786	0.368295	2.60232	0.704463	1.92836	0.59328
6.9375	2.49587	0.44244	3.14358	0.876111	2.32503	0.758017
6.9475	3.03028	0.554934	3.79468	1.09167	2.81919	0.931057
6.9575	3.68758	0.701102	4.55253	1.32465	3.3976	1.1578
6.9675	4.48131	0.867832	5.41176	1.5966	4.06891	1.40434
6.9775	5.43788	1.04154	6.35991	1.90159	4.81625	1.66982
6.9875	6.51044	1.27887	7.32194	2.21686	5.64143	1.97718
6.9975	7.71707	1.53478	8.3634	2.54861	6.50628	2.31215
7.0075	9.01916	1.80493	9.34096	2.85839	7.33157	2.60607
7.0175	10.3504	2.09078	10.2294	3.14347	8.13094	2.91708
7.0275	11.6289	2.37394	10.9557	3.38245	8.84887	3.22708
7.0375	12.8827	2.60155	11.5235	3.56801	9.43109	3.44759
7.0475	13.8911	2.82218	11.8726	3.66365	9.83875	3.58225
7.0575	14.7169	3.01557	11.9351	3.68962	10.0595	3.67911
7.0675	15.2622	3.09139	11.7633	3.64706	10.0237	3.68305
7.0775	15.4656	3.14898	11.3476	3.48341	9.79994	3.59404
7.0875	15.3494	3.13026	10.6864	3.30149	9.37064	3.46975

7.0975	14.9037	3.05941	9.84521	3.03296	8.73959	3.19194
7.1075	14.0971	2.86856	8.89539	2.71131	8.02744	2.94711
7.1175	13.101	2.65198	7.85428	2.40335	7.1682	2.61468
7.1275	11.8829	2.39156	6.80336	2.05171	6.29398	2.31725
7.1375	10.555	2.10895	5.80225	1.74718	5.42351	1.93953
7.1475	9.20874	1.84668	4.8512	1.42442	4.58284	1.64207
7.1575	7.84163	1.57038	3.98113	1.15202	3.79078	1.33199
7.1675	6.55859	1.28085	3.22244	0.903249	3.0912	1.06313
7.1775	5.38453	1.04414	2.58857	0.704823	2.48447	0.826861
7.1875	4.35152	0.813081	2.06156	0.528902	1.98702	0.635627
7.1975	3.46822	0.636168	1.64604	0.388028	1.58548	0.488645
7.2075	2.73806	0.478179	1.3245	0.280879	1.25319	0.356511
7.2175	2.14632	0.367433	1.08812	0.21198	1.01719	0.273812
7.2275	1.68824	0.256281	0.907735	0.150581	0.821313	0.196917
7.2375	1.33342	0.191255	0.785481	0.110133	0.692926	0.15396
7.2475	1.06094	0.136898	0.693025	0.0777165	0.593021	0.119385
7.2575	0.877334	0.101898	0.639078	0.0667665	0.526901	0.103966
7.2675	0.739586	0.0742831	0.609449	0.0628953	0.490022	0.0920435
7.2775	0.647576	0.0596715	0.602386	0.0666375	0.463367	0.0828096
7.2875	0.589825	0.0544532	0.600894	0.0654464	0.447344	0.0781838
7.2975	0.558173	0.0423667	0.615192	0.0764644	0.449803	0.082353
7.3075	0.5316	0.0450636	0.635833	0.0793359	0.451746	0.0772271
7.3175	0.524651	0.0415354	0.667999	0.0969221	0.455728	0.0739676
7.3275	0.529714	0.0435468	0.70598	0.116101	0.477237	0.0834643
7.3375	0.54144	0.0450063	0.745255	0.138862	0.496733	0.0828166
7.3475	0.54991	0.0484562	0.799284	0.175438	0.525016	0.0903204
7.3575	0.572124	0.0446858	0.859316	0.224444	0.556875	0.0951053
7.3675	0.594453	0.0480326	0.930293	0.27985	0.587587	0.106045
7.3775	0.627188	0.0508989	1.01452	0.363351	0.627583	0.111609
7.3875	0.664213	0.0623696	1.08717	0.4172	0.665014	0.125494
7.3975	0.706485	0.0621975	1.17508	0.512333	0.720177	0.138419
7.4075	0.739404	0.0716222	1.26099	0.604395	0.769421	0.151988
7.4175	0.787514	0.0762703	1.33556	0.691501	0.818055	0.163589
7.4275	0.835353	0.0889603	1.41949	0.787825	0.862907	0.182577
7.4375	0.876753	0.100172	1.48573	0.866106	0.912811	0.199986
7.4475	0.921432	0.109431	1.53828	0.938614	0.948844	0.20364
7.4575	0.960524	0.110531	1.57559	0.983126	0.976023	0.218949
7.4675	0.996542	0.124304	1.58521	1.02891	0.990594	0.220717
7.4775	1.01836	0.132781	1.57299	1.01464	0.994213	0.234578
7.4875	1.03336	0.13919	1.54274	1.00153	0.991833	0.225069
7.4975	1.03791	0.14052	1.50045	0.957238	0.968208	0.222819
7.5075	1.03229	0.142142	1.4171	0.894379	0.941348	0.199656
7.5175	1.01213	0.136356	1.34323	0.822372	0.904921	0.203091
7.5275	0.976104	0.13426	1.24898	0.759384	0.8588	0.188693
7.5375	0.940994	0.120267	1.15309	0.65229	0.809132	0.176557
7.5475	0.897053	0.109049	1.06126	0.575753	0.753678	0.155438
7.5575	0.851336	0.108242	0.971987	0.474598	0.708209	0.138028

7.5675	0.805327	0.100013	0.880446	0.404519	0.657291	0.12544
7.5775	0.754841	0.0889819	0.811727	0.327407	0.614742	0.114009
7.5875	0.711213	0.0831416	0.750772	0.254574	0.574289	0.100604
7.5975	0.668171	0.0763687	0.699	0.210658	0.548734	0.0955317
7.6075	0.63531	0.067605	0.656217	0.160653	0.52148	0.0939989
7.6175	0.613561	0.0688344	0.624713	0.126784	0.500253	0.0869292
7.6275	0.581004	0.0645406	0.601739	0.102087	0.485575	0.0862412
7.6375	0.566557	0.0585973	0.583523	0.0919164	0.481949	0.087301
7.6475	0.554828	0.0553818	0.574346	0.0769836	0.469806	0.0837073
7.6575	0.546698	0.0519341	0.568644	0.073219	0.460841	0.0843448
7.6675	0.535533	0.0526142	0.564411	0.0662374	0.458474	0.0853001
7.6775	0.533387	0.0496972	0.559643	0.0653191	0.463315	0.0875517
7.6875	0.529016	0.0459545	0.560572	0.0585853	0.461992	0.0866369
7.6975	0.528549	0.0466848	0.554305	0.0600104	0.456591	0.0867196
7.7075	0.527364	0.0444032	0.561743	0.0646721	0.459162	0.093537
7.7175	0.525279	0.0443662	0.55755	0.0677084	0.456297	0.0933542
7.7275	0.520252	0.043625	0.553785	0.0567254	0.458919	0.0925218
7.7375	0.522219	0.0427622	0.549222	0.0638233	0.457058	0.0899406
7.7475	0.51973	0.0431499	0.551898	0.0618779	0.459155	0.0941531
7.7575	0.517	0.0424196	0.548995	0.0625014	0.454916	0.0894451
7.7675	0.519924	0.0430705	0.544755	0.0619501	0.451804	0.0894856
7.7775	0.516523	0.0413625	0.540851	0.0631766	0.447956	0.0901101
7.7875	0.513367	0.0423076	0.540656	0.0591226	0.451023	0.0916783
7.7975	0.514332	0.0416412	0.539321	0.0668232	0.451953	0.0837906
7.8075	0.508025	0.0405694	0.536043	0.0655293	0.444915	0.0836665
7.8175	0.511303	0.0382439	0.536838	0.0726167	0.446018	0.0846428
7.8275	0.511002	0.0449235	0.543334	0.0800616	0.445838	0.0855152
7.8375	0.508042	0.0431225	0.540133	0.0850729	0.448061	0.0853163
7.8475	0.508718	0.0402395	0.551659	0.103163	0.449784	0.0836167
7.8575	0.507077	0.0410211	0.560205	0.113342	0.452736	0.0785441
7.8675	0.509682	0.0394306	0.573939	0.15112	0.456925	0.0837699
7.8775	0.514125	0.0444462	0.598024	0.208152	0.465036	0.082554
7.8875	0.523676	0.0385116	0.61864	0.265822	0.478752	0.0824785
7.8975	0.525489	0.0394464	0.65015	0.355255	0.492515	0.0796022
7.9075	0.539292	0.041249	0.689662	0.448372	0.513683	0.0835366
7.9175	0.550611	0.0390403	0.744784	0.588092	0.535806	0.0912477
7.9275	0.568833	0.0401839	0.79881	0.73282	0.562493	0.10055
7.9375	0.591879	0.0419305	0.87117	0.920398	0.601423	0.108157
7.9475	0.62461	0.0518865	0.951167	1.14935	0.641529	0.126782
7.9575	0.659239	0.048726	1.03927	1.36456	0.684016	0.12987
7.9675	0.699312	0.0579294	1.1342	1.59751	0.739373	0.153775
7.9775	0.750846	0.0604589	1.22959	1.8633	0.796697	0.167014
7.9875	0.79908	0.0651143	1.32472	2.08897	0.855676	0.192085
7.9975	0.85074	0.0728982	1.40495	2.35377	0.907164	0.21251
8.0075	0.903014	0.0797657	1.47687	2.55124	0.955581	0.231882
8.0175	0.953626	0.0908614	1.55197	2.73363	0.992696	0.244194
8.0275	1.0037	0.0874596	1.59213	2.88294	1.03286	0.264978

8.0375	1.05151	0.0991072	1.61996	2.91669	1.05453	0.265749
8.0475	1.07797	0.104645	1.60991	2.87845	1.06421	0.267043
8.0575	1.10243	0.106086	1.60307	2.87044	1.06454	0.266752
8.0675	1.11335	0.109028	1.55452	2.68903	1.0444	0.254282
8.0775	1.11462	0.105013	1.49653	2.56133	1.02273	0.253493
8.0875	1.09768	0.0970694	1.42484	2.3663	0.982902	0.235714
8.0975	1.0753	0.104236	1.3427	2.10396	0.946129	0.226255
8.1075	1.04407	0.102996	1.24618	1.88625	0.899127	0.194667
8.1175	1.00618	0.0933949	1.16218	1.60619	0.845643	0.183238
8.1275	0.967699	0.0861452	1.07365	1.3292	0.797538	0.162022
8.1375	0.920238	0.0873343	0.998526	1.1249	0.753094	0.136933
8.1475	0.867283	0.0765861	0.929988	0.918328	0.711032	0.130279
8.1575	0.833678	0.0681517	0.874422	0.727125	0.675383	0.118741
8.1675	0.790515	0.0650577	0.82718	0.555731	0.649085	0.104274
8.1775	0.754377	0.063701	0.794015	0.44254	0.621984	0.0986972
8.1875	0.727429	0.0606255	0.768071	0.338514	0.609482	0.0993402
8.1975	0.701955	0.0583148	0.752676	0.27107	0.595024	0.0877137
8.2075	0.688175	0.0555954	0.744501	0.218801	0.590557	0.0937508
8.2175	0.681062	0.0567282	0.737675	0.18286	0.589551	0.0920478
8.2275	0.665792	0.0571801	0.739583	0.171615	0.589791	0.0933219
8.2375	0.662487	0.0580817	0.746728	0.165825	0.591448	0.0939514
8.2475	0.663151	0.0555235	0.741989	0.156796	0.598052	0.0966664
8.2575	0.663491	0.0561146	0.744601	0.157695	0.59913	0.09736
8.2675	0.663956	0.0580868	0.741632	0.160858	0.605267	0.0996335
8.2775	0.671101	0.0645568	0.732545	0.15593	0.609032	0.102027
8.2875	0.678742	0.0588588	0.73565	0.149528	0.60653	0.104537
8.2975	0.672426	0.0609401	0.729441	0.144756	0.611275	0.110428
8.3075	0.674403	0.0570426	0.721525	0.136033	0.611729	0.112797
8.3175	0.670933	0.0584847	0.711878	0.120201	0.60861	0.11405
8.3275	0.675665	0.0502171	0.703235	0.117738	0.60753	0.126048
8.3375	0.670823	0.0517668	0.686879	0.106715	0.604208	0.126708
8.3475	0.671141	0.0564834	0.685928	0.102281	0.606912	0.125561
8.3575	0.667603	0.0514633	0.676871	0.0877296	0.602294	0.130945
8.3675	0.664838	0.0537437	0.670257	0.0824748	0.603026	0.137853
8.3775	0.660974	0.0537853	0.663711	0.0838301	0.601126	0.141364
8.3875	0.661255	0.0522806	0.659525	0.0757379	0.60578	0.14718
8.3975	0.660816	0.0531984	0.656385	0.0681358	0.60972	0.14537
8.4075	0.672613	0.0556614	0.655966	0.0695959	0.608357	0.151063
8.4175	0.665661	0.0524594	0.65818	0.0663572	0.613819	0.154937
8.4275	0.673361	0.0499248	0.658569	0.0624283	0.614631	0.149126
8.4375	0.674262	0.053868	0.669742	0.0629897	0.618134	0.153419
8.4475	0.678621	0.0522891	0.685069	0.0677185	0.627385	0.150128
8.4575	0.694201	0.0491632	0.695561	0.0658264	0.631677	0.149799
8.4675	0.706719	0.053873	0.720651	0.0685434	0.645198	0.151318
8.4775	0.72121	0.0559543	0.749258	0.0708501	0.658482	0.146032
8.4875	0.741679	0.0570991	0.783007	0.0776272	0.682846	0.141617
8.4975	0.769018	0.059633	0.824674	0.0816889	0.700701	0.140025

8.5075	0.803181	0.0684675	0.881191	0.102266	0.728724	0.140341
8.5175	0.847257	0.0755818	0.94204	0.106545	0.762533	0.140306
8.5275	0.90004	0.088493	1.01651	0.120352	0.791647	0.141689
8.5375	0.966011	0.09285	1.10041	0.138394	0.83968	0.142692
8.5475	1.05193	0.114025	1.18623	0.165244	0.894516	0.157782
8.5575	1.13424	0.13326	1.26695	0.169373	0.947454	0.168824
8.5675	1.23763	0.156634	1.35626	0.199476	1.00409	0.172454
8.5775	1.33666	0.183319	1.45312	0.221632	1.06093	0.187881
8.5875	1.44133	0.201614	1.53868	0.235624	1.10307	0.200623
8.5975	1.55405	0.237455	1.61155	0.255828	1.1519	0.202376
8.6075	1.66331	0.268424	1.66821	0.273952	1.2028	0.215521
8.6175	1.74865	0.287029	1.70892	0.27698	1.23055	0.226154
8.6275	1.8323	0.310527	1.72698	0.282205	1.25383	0.229929
8.6375	1.89601	0.322382	1.72764	0.271358	1.25945	0.237313
8.6475	1.94118	0.335619	1.70982	0.261246	1.25422	0.234594
8.6575	1.95625	0.33695	1.67869	0.264138	1.24128	0.228947
8.6675	1.95986	0.347177	1.61988	0.251173	1.21221	0.217479
8.6775	1.928	0.328276	1.55006	0.231638	1.1711	0.209264
8.6875	1.87229	0.32282	1.48042	0.218611	1.12716	0.19951
8.6975	1.80573	0.295365	1.39473	0.194771	1.07872	0.179464
8.7075	1.71925	0.279054	1.3127	0.174347	1.03108	0.172623
8.7175	1.62619	0.250691	1.23526	0.163819	0.977298	0.154551
8.7275	1.51504	0.220968	1.15785	0.139895	0.933814	0.142359
8.7375	1.41364	0.198407	1.08875	0.13724	0.887249	0.141122
8.7475	1.3126	0.175258	1.02934	0.128798	0.849599	0.124552
8.7575	1.2214	0.151256	0.984918	0.118558	0.812145	0.123157
8.7675	1.13667	0.125362	0.946721	0.130633	0.786945	0.118698
8.7775	1.07275	0.120821	0.917374	0.131503	0.765302	0.114001
8.7875	1.00637	0.0990881	0.898476	0.146558	0.752042	0.108055
8.7975	0.958668	0.0930139	0.887372	0.166089	0.736022	0.113473
8.8075	0.922181	0.0985648	0.87463	0.18705	0.731608	0.111473
8.8175	0.894899	0.0942834	0.873305	0.21548	0.726894	0.109643
8.8275	0.867978	0.103594	0.8829	0.257858	0.728834	0.113588
8.8375	0.85825	0.110729	0.890311	0.277876	0.733271	0.109315
8.8475	0.854371	0.123498	0.900985	0.308988	0.74009	0.112801
8.8575	0.857934	0.122359	0.906329	0.358481	0.745191	0.114022
8.8675	0.852986	0.129927	0.916961	0.368103	0.753085	0.114713
8.8775	0.861536	0.141743	0.926016	0.38842	0.761587	0.125677
8.8875	0.864882	0.149833	0.935415	0.40403	0.769192	0.118135
8.8975	0.866337	0.158736	0.941333	0.410054	0.771569	0.115142
8.9075	0.872441	0.168299	0.935305	0.40611	0.776683	0.117637
8.9175	0.881128	0.176472	0.93966	0.412553	0.772538	0.11031
8.9275	0.878113	0.179842	0.934868	0.407363	0.766075	0.109165
8.9375	0.873098	0.178363	0.927684	0.383534	0.770131	0.110302
8.9475	0.881974	0.185134	0.920459	0.356036	0.760192	0.103736
8.9575	0.877465	0.19391	0.902294	0.318297	0.752579	0.104388
8.9675	0.869769	0.194335	0.889502	0.294056	0.747355	0.105463

8.9775	0.871138	0.201402	0.889267	0.257954	0.737383	0.0969135
8.9875	0.860201	0.200993	0.870985	0.235906	0.727528	0.0910117
8.9975	0.85559	0.203618	0.857721	0.191208	0.723367	0.093806
9.0075	0.846397	0.204824	0.848377	0.164548	0.722018	0.0937989
9.0175	0.838245	0.2107	0.83096	0.13406	0.707217	0.0880278
9.0275	0.835992	0.197223	0.828007	0.126925	0.709569	0.0916916
9.0375	0.826996	0.203457	0.824912	0.11141	0.704219	0.0889208
9.0475	0.825871	0.198865	0.81998	0.0939084	0.698948	0.090859
9.0575	0.810985	0.186341	0.814138	0.0873436	0.691065	0.0874672
9.0675	0.802509	0.185569	0.817288	0.0863374	0.700064	0.0959657
9.0775	0.805964	0.189313	0.810358	0.0781685	0.695914	0.0895504
9.0875	0.802477	0.178201	0.807423	0.076811	0.693712	0.0897185
9.0975	0.797137	0.172691	0.816978	0.078129	0.691797	0.0895956
9.1075	0.795638	0.168904	0.814169	0.0749552	0.697832	0.0892663
9.1175	0.792176	0.158447	0.815308	0.0797096	0.695957	0.0943891
9.1275	0.790358	0.150947	0.817754	0.0825655	0.701555	0.0932389
9.1375	0.794203	0.151291	0.820425	0.0819028	0.707595	0.0985526
9.1475	0.789109	0.140262	0.825617	0.0898001	0.706894	0.0961395
9.1575	0.793105	0.129748	0.829302	0.0896735	0.708063	0.0966937
9.1675	0.795033	0.122371	0.833156	0.0881591	0.713076	0.0936125
9.1775	0.796925	0.11814	0.836015	0.0936996	0.714744	0.0993921
9.1875	0.790528	0.113081	0.831926	0.0907866	0.71803	0.100194
9.1975	0.793982	0.103791	0.836204	0.0936861	0.722056	0.0957335
9.2075	0.792452	0.10281	0.841757	0.0930055	0.719985	0.0972359
9.2175	0.795473	0.0951458	0.839334	0.0927627	0.724575	0.106467
9.2275	0.797546	0.0926531	0.840832	0.0885825	0.72377	0.101698
9.2375	0.802346	0.0893741	0.835451	0.0874796	0.729878	0.107273
9.2475	0.803049	0.0875548	0.837076	0.0861403	0.731183	0.104401
9.2575	0.793111	0.0884942	0.835072	0.0807297	0.729692	0.105749
9.2675	0.799911	0.0800888	0.826731	0.0854835	0.723333	0.101459
9.2775	0.803509	0.0823904	0.828245	0.0751257	0.726702	0.105331
9.2875	0.79692	0.0796258	0.829869	0.0705916	0.723281	0.109887
9.2975	0.800551	0.0814034	0.818809	0.0698753	0.723472	0.104819
9.3075	0.798281	0.0733895	0.818309	0.0658032	0.723343	0.105736
9.3175	0.794852	0.0791728	0.815591	0.0697896	0.723262	0.106265
9.3275	0.79425	0.0776611	0.811694	0.064331	0.723209	0.109261
9.3375	0.792483	0.0723909	0.802393	0.0631082	0.72699	0.115517
9.3475	0.789995	0.0798345	0.807141	0.0602812	0.72428	0.1091
9.3575	0.792128	0.0719696	0.805773	0.0576159	0.729478	0.113021
9.3675	0.791671	0.074244	0.806614	0.0577744	0.730516	0.121924
9.3775	0.788571	0.0698585	0.805668	0.0545859	0.730242	0.115956
9.3875	0.796	0.0714865	0.810016	0.0618984	0.735262	0.115326
9.3975	0.784014	0.0668824	0.801659	0.0566815	0.736997	0.125065
9.4075	0.794277	0.062162	0.813558	0.0570061	0.741901	0.132667
9.4175	0.793713	0.0619876	0.810899	0.0594214	0.744325	0.13038
9.4275	0.793882	0.0660501	0.822462	0.0625121	0.742886	0.129659
9.4375	0.797825	0.0641136	0.824183	0.0602573	0.75322	0.134148

9.4475	0.805129	0.0618361	0.836171	0.0567653	0.758528	0.138992
9.4575	0.814814	0.0585604	0.84644	0.0614732	0.769661	0.141075
9.4675	0.820708	0.0594159	0.859722	0.0659271	0.772665	0.138987
9.4775	0.832186	0.0600834	0.869412	0.067314	0.780263	0.142698
9.4875	0.846062	0.0578457	0.884254	0.0719766	0.78955	0.138959
9.4975	0.858033	0.0658385	0.898791	0.0624155	0.803986	0.147351
9.5075	0.87921	0.062326	0.916407	0.066108	0.813399	0.151325
9.5175	0.889704	0.0651804	0.932261	0.0689216	0.818251	0.15435
9.5275	0.906788	0.0733674	0.93413	0.0622847	0.8332	0.157449
9.5375	0.928508	0.0691435	0.946283	0.0702172	0.838389	0.160838
9.5475	0.937718	0.0749826	0.963417	0.0789704	0.849444	0.165772
9.5575	0.96519	0.0749026	0.964949	0.0715315	0.857438	0.169621
9.5675	0.971364	0.08557	0.968375	0.074034	0.857423	0.163202
9.5775	0.982122	0.0801829	0.974126	0.07361	0.860382	0.16594
9.5875	0.998833	0.0842269	0.965591	0.0702374	0.865348	0.166355
9.5975	0.997176	0.0815635	0.961363	0.0677083	0.86249	0.171242
9.6075	0.995459	0.078835	0.957227	0.0722108	0.858184	0.174217
9.6175	0.999762	0.0836646	0.950332	0.0623562	0.857074	0.16953
9.6275	0.998027	0.0811017	0.938222	0.0637458	0.849527	0.176085
9.6375	0.98056	0.083534	0.932901	0.0608979	0.843339	0.171557
9.6475	0.977554	0.0819194	0.920909	0.0615464	0.837463	0.172068
9.6575	0.964513	0.0791852	0.913568	0.060472	0.837696	0.168257
9.6675	0.952602	0.0810306	0.898678	0.0547762	0.824026	0.172875
9.6775	0.94035	0.0816329	0.890342	0.0608413	0.820998	0.167242
9.6875	0.921995	0.0702642	0.878345	0.0593193	0.82017	0.165874
9.6975	0.912283	0.0777646	0.870693	0.0574584	0.813905	0.159042
9.7075	0.90331	0.0701138	0.87074	0.059479	0.806598	0.171596
9.7175	0.89131	0.0712774	0.858244	0.0554151	0.796084	0.169211
9.7275	0.884489	0.0711072	0.856291	0.0581113	0.798954	0.161827
9.7375	0.876777	0.0661164	0.853991	0.058714	0.797501	0.164526
9.7475	0.865415	0.0646217	0.85538	0.0593088	0.789306	0.161581
9.7575	0.859385	0.0661794	0.850386	0.0579974	0.793446	0.159998
9.7675	0.854071	0.0619555	0.845551	0.0515515	0.790209	0.162507
9.7775	0.848992	0.0652034	0.842954	0.0516147	0.789687	0.159331
9.7875	0.848287	0.0605204	0.849385	0.0515399	0.786021	0.152291
9.7975	0.848173	0.0565079	0.844976	0.0527768	0.788328	0.156695
9.8075	0.848027	0.0559615	0.845439	0.0575742	0.779408	0.155712
9.8175	0.845247	0.0560311	0.849573	0.0558205	0.790383	0.149168
9.8275	0.840021	0.0555216	0.848233	0.058873	0.780374	0.147117
9.8375	0.845341	0.0561632	0.846783	0.0578648	0.779896	0.147491
9.8475	0.836107	0.0557917	0.853484	0.0552143	0.78182	0.139406
9.8575	0.837411	0.0517033	0.856492	0.0591133	0.78515	0.14148
9.8675	0.840425	0.0550067	0.858015	0.0601533	0.788438	0.136411
9.8775	0.842169	0.0502905	0.864529	0.0511068	0.786545	0.132744
9.8875	0.849614	0.0513636	0.861442	0.0519282	0.793824	0.133284
9.8975	0.844944	0.047505	0.873798	0.0553949	0.786379	0.124477
9.9075	0.852235	0.0527656	0.879727	0.0644008	0.793665	0.12397

9.9175	0.851913	0.0528987	0.881154	0.0596466	0.797917	0.120511
9.9275	0.856031	0.049057	0.89255	0.0605935	0.799001	0.119568
9.9375	0.85941	0.0532722	0.896569	0.0620674	0.797411	0.117531
9.9475	0.865345	0.0489952	0.923974	0.0608092	0.804132	0.116097
9.9575	0.870552	0.051998	0.930938	0.0660084	0.810605	0.111355
9.9675	0.885582	0.0493542	0.93382	0.0719283	0.817047	0.111985
9.9775	0.886712	0.0561537	0.94927	0.0719037	0.830048	0.111625
9.9875	0.893842	0.0514775	0.964408	0.0702737	0.833532	0.111336
9.9975	0.916531	0.0532081	0.988397	0.0795982	0.842066	0.111576
10.0075	0.929031	0.0484285	0.993634	0.0865001	0.854984	0.109598
10.0175	0.937612	0.0584895	1.01774	0.0801763	0.860101	0.116839
10.0275	0.958106	0.0575512	1.02956	0.0901164	0.867059	0.115942
10.0375	0.967834	0.0525539	1.0412	0.0969893	0.874489	0.117231
10.0475	0.980016	0.0594884	1.04628	0.0934966	0.888349	0.121735
10.0575	0.996523	0.0638519	1.05839	0.0962736	0.888602	0.123947
10.0675	1.00878	0.0623161	1.06065	0.103326	0.884916	0.119524
10.0775	1.0185	0.0702633	1.06494	0.0971774	0.890868	0.120733
10.0875	1.02174	0.06815	1.06394	0.11272	0.898364	0.122728
10.0975	1.03046	0.0667059	1.05176	0.106554	0.896843	0.128148
10.1075	1.03132	0.0675632	1.04774	0.0972951	0.89237	0.126707
10.1175	1.03575	0.0691628	1.03655	0.101355	0.885866	0.122907
10.1275	1.02326	0.0686486	1.03212	0.100581	0.878936	0.117836
10.1375	1.01992	0.0710016	1.01301	0.0959799	0.872559	0.116401
10.1475	1.0093	0.0679757	0.996046	0.0874509	0.865013	0.11495
10.1575	0.996799	0.0710563	0.975783	0.0807713	0.855068	0.113258
10.1675	0.986551	0.0711849	0.967922	0.0788572	0.840471	0.111333
10.1775	0.971019	0.0615332	0.951275	0.0766581	0.839687	0.1114
10.1875	0.950427	0.058571	0.932457	0.079981	0.826369	0.101202
10.1975	0.934674	0.0685486	0.92391	0.0738384	0.812854	0.105683
10.2075	0.919694	0.0572607	0.91438	0.0759657	0.805363	0.106236
10.2175	0.909736	0.0558707	0.906227	0.0824122	0.801735	0.100331
10.2275	0.897773	0.0564313	0.898601	0.0714432	0.796085	0.099408
10.2375	0.886672	0.0551841	0.904678	0.0764801	0.786752	0.096562
10.2475	0.873205	0.0571963	0.889489	0.0713108	0.783009	0.0990614
10.2575	0.864632	0.051994	0.893163	0.0768475	0.783919	0.101722
10.2675	0.860904	0.0516376	0.884093	0.0814475	0.779177	0.0987347
10.2775	0.852472	0.0510642	0.892111	0.0815486	0.783841	0.0986836
10.2875	0.84593	0.0501283	0.892813	0.0804853	0.777449	0.0955032
10.2975	0.849101	0.0558999	0.897999	0.0794258	0.78296	0.0977121
10.3075	0.851031	0.0514832	0.903199	0.0872306	0.788563	0.0974647
10.3175	0.850446	0.0529008	0.914889	0.093782	0.79057	0.100518
10.3275	0.85123	0.0534266	0.92189	0.0985558	0.792717	0.0956865
10.3375	0.854116	0.0538052	0.928752	0.102038	0.799658	0.0931541
10.3475	0.854369	0.0563261	0.943577	0.123918	0.803078	0.0992494
10.3575	0.859841	0.0595843	0.959696	0.137342	0.807759	0.0999378
10.3675	0.863161	0.0511305	0.982873	0.164579	0.814672	0.102152
10.3775	0.862911	0.0541446	1.00476	0.184217	0.821848	0.102547

10.3875	0.868958	0.056019	1.03149	0.216576	0.838001	0.105194
10.3975	0.873692	0.0553873	1.06989	0.264422	0.85455	0.103881
10.4075	0.888931	0.056672	1.10272	0.306331	0.871363	0.101308
10.4175	0.895136	0.0567036	1.14326	0.353179	0.879066	0.111556
10.4275	0.898381	0.0569745	1.18302	0.417629	0.895178	0.113475
10.4375	0.913446	0.0525497	1.23401	0.472365	0.918607	0.117905
10.4475	0.92202	0.056264	1.29342	0.553	0.93693	0.117505
10.4575	0.934186	0.0522403	1.34354	0.626817	0.963488	0.125941
10.4675	0.947053	0.0573663	1.39787	0.714331	0.981701	0.131978
10.4775	0.950851	0.0536879	1.4487	0.785407	1.01	0.142065
10.4875	0.974224	0.0644851	1.50441	0.853792	1.0312	0.152269
10.4975	0.983168	0.061576	1.55195	0.916616	1.05306	0.160643
10.5075	1.00588	0.0615461	1.59129	0.994706	1.0783	0.170325
10.5175	1.01605	0.0597267	1.62589	1.05299	1.10092	0.175531
10.5275	1.03261	0.0632485	1.64924	1.09541	1.10846	0.182537
10.5375	1.04312	0.0689705	1.66118	1.10403	1.11722	0.190401
10.5475	1.0545	0.0591391	1.65821	1.11404	1.12168	0.187847
10.5575	1.06106	0.0666118	1.6459	1.09704	1.11775	0.194042
10.5675	1.06392	0.0632957	1.62193	1.07215	1.10999	0.185984
10.5775	1.06245	0.0624372	1.59125	1.03593	1.09371	0.181755
10.5875	1.05927	0.0645001	1.54151	0.963505	1.08309	0.181675
10.5975	1.04868	0.0656524	1.4804	0.915505	1.05859	0.173086
10.6075	1.03704	0.0599363	1.42418	0.838111	1.03594	0.155905
10.6175	1.02294	0.0614218	1.36829	0.754533	1.00344	0.144482
10.6275	1.0084	0.0677555	1.30351	0.665313	0.981074	0.14904
10.6375	0.997973	0.0536959	1.23551	0.582288	0.948517	0.13659
10.6475	0.971608	0.0585591	1.1881	0.494975	0.926825	0.130235
10.6575	0.955375	0.057091	1.13602	0.447436	0.898922	0.120061
10.6675	0.940887	0.05629	1.08176	0.365103	0.882189	0.115075
10.6775	0.921622	0.0516174	1.04161	0.297344	0.851856	0.105418
10.6875	0.911429	0.0543217	1.00445	0.24818	0.831316	0.0951057
10.6975	0.895925	0.054759	0.968341	0.198818	0.816017	0.0975353
10.7075	0.876347	0.0521723	0.949079	0.169095	0.804081	0.0942409
10.7175	0.865694	0.0510803	0.924214	0.131318	0.790218	0.0885789
10.7275	0.859734	0.0491118	0.905215	0.108923	0.783669	0.0895001
10.7375	0.851762	0.0469278	0.896908	0.0932158	0.773394	0.0837909
10.7475	0.841319	0.0501546	0.876607	0.0796833	0.76602	0.0861839
10.7575	0.837423	0.044464	0.870979	0.0754505	0.759969	0.084684
10.7675	0.835913	0.0483502	0.861055	0.064338	0.757469	0.0816942
10.7775	0.826177	0.0466982	0.858678	0.0651026	0.753335	0.0820678
10.7875	0.823526	0.0471568	0.850384	0.0614973	0.75549	0.0791857
10.7975	0.818955	0.0461234	0.843798	0.0521362	0.746596	0.0770291
10.8075	0.818861	0.0514832	0.841296	0.063882	0.745786	0.0785219
10.8175	0.820468	0.0470431	0.836694	0.0524787	0.745161	0.0785549
10.8275	0.808374	0.0463291	0.833484	0.0564695	0.74154	0.0780169
10.8375	0.810553	0.0467335	0.835121	0.0553274	0.734643	0.0776283
10.8475	0.800934	0.0493602	0.831067	0.0507662	0.736867	0.0762933

10.8575	0.803558	0.0491248	0.828423	0.0523813	0.735163	0.0744281
10.8675	0.804561	0.0476558	0.830359	0.0542523	0.72761	0.0795406
10.8775	0.798432	0.0498245	0.826492	0.0507721	0.723525	0.0723287
10.8875	0.800075	0.0492215	0.824748	0.0595682	0.732888	0.0749818
10.8975	0.795832	0.0486338	0.826597	0.0529767	0.734137	0.0736761
10.9075	0.794173	0.047181	0.824988	0.0509287	0.727867	0.0755601
10.9175	0.796853	0.04919	0.818482	0.0490617	0.729941	0.0752471
10.9275	0.79327	0.0545177	0.822197	0.0519561	0.728989	0.0754207
10.9375	0.790204	0.0460476	0.821818	0.0507618	0.728998	0.0732863
10.9475	0.792455	0.0485882	0.820195	0.0519042	0.730603	0.0794749
10.9575	0.794694	0.0527517	0.818772	0.0500887	0.72587	0.0762019
10.9675	0.789182	0.0518498	0.819759	0.0516628	0.723493	0.0798588
10.9775	0.793352	0.0486472	0.822492	0.0518916	0.727033	0.0764566
10.9875	0.794104	0.0594204	0.818238	0.0501644	0.725751	0.0731887
10.9975	0.793315	0.0560171	0.815844	0.0507662	0.728748	0.0750216
11.0075	0.791534	0.0562734	0.816172	0.0547746	0.72861	0.0769308
11.0175	0.791951	0.0560601	0.822554	0.0507794	0.734026	0.0754631
11.0275	0.791736	0.0557378	0.818499	0.0535799	0.726589	0.078787
11.0375	0.796557	0.0548643	0.823709	0.0541966	0.726993	0.0757095
11.0475	0.795144	0.0554523	0.826432	0.0492836	0.730694	0.0812062
11.0575	0.792178	0.0563309	0.817062	0.048637	0.73149	0.0774945
11.0675	0.7928	0.0567921	0.823418	0.051054	0.733203	0.0820319
11.0775	0.790737	0.0593391	0.821704	0.0505011	0.725665	0.0732877
11.0875	0.789563	0.056773	0.820789	0.0497932	0.730746	0.0810774
11.0975	0.792115	0.0620392	0.816694	0.0531584	0.728663	0.0767721
11.1075	0.794054	0.0569385	0.81684	0.0496776	0.730247	0.0833569
11.1175	0.792883	0.0630078	0.819454	0.0491607	0.728197	0.0837579
11.1275	0.794136	0.0590799	0.820876	0.0538185	0.735486	0.0819514
11.1375	0.791565	0.0577967	0.819326	0.0495839	0.732062	0.0843702
11.1475	0.792111	0.0571432	0.818098	0.0483163	0.72994	0.086525
11.1575	0.786684	0.0570317	0.82021	0.0509362	0.725337	0.0823477
11.1675	0.790261	0.0625084	0.816549	0.0473122	0.733966	0.0850578
11.1775	0.79281	0.0537726	0.820277	0.0519025	0.734299	0.0833455
11.1875	0.793277	0.0517425	0.810159	0.0508354	0.731802	0.0859079
11.1975	0.786697	0.0588738	0.816567	0.0559819	0.730242	0.0865414
11.2075	0.794318	0.0569768	0.818745	0.0483314	0.736408	0.0828183
11.2175	0.791703	0.05153	0.817802	0.04753	0.733903	0.087024
11.2275	0.787793	0.0510582	0.821122	0.0483061	0.738071	0.0847086
11.2375	0.788196	0.0546202	0.818665	0.0525564	0.735238	0.0839835
11.2475	0.790055	0.0519077	0.820285	0.048322	0.738347	0.0845398
11.2575	0.783587	0.0513297	0.81584	0.0549282	0.737078	0.0832964
11.2675	0.787054	0.050676	0.821396	0.0522769	0.730695	0.0781758
11.2775	0.784768	0.0528701	0.815928	0.0528357	0.732256	0.082408
11.2875	0.786183	0.0545083	0.816477	0.0513961	0.740468	0.0860518
11.2975	0.787088	0.0501279	0.813343	0.0456221	0.735832	0.085986
11.3075	0.787124	0.0493567	0.811556	0.0469375	0.737404	0.0848781
11.3175	0.785539	0.0525914	0.821316	0.0490005	0.73878	0.0819955

11.3275	0.784365	0.0495757	0.820184	0.0548487	0.740273	0.0816653
11.3375	0.784006	0.0457547	0.819582	0.0533716	0.73852	0.0869568
11.3475	0.78722	0.0467151	0.815099	0.0486725	0.734374	0.0822843
11.3575	0.78538	0.0443066	0.810248	0.0475268	0.731519	0.0855302
11.3675	0.782479	0.0476387	0.811299	0.0534634	0.728336	0.0779975
11.3775	0.784478	0.0471214	0.813765	0.0508411	0.729804	0.0787387
11.3875	0.782648	0.0486638	0.811757	0.0465589	0.730994	0.0810158
11.3975	0.776799	0.0434448	0.812568	0.0502468	0.731397	0.0801188
11.4075	0.783404	0.0483725	0.806628	0.0468209	0.732533	0.0800847
11.4175	0.782267	0.0473112	0.808127	0.0458267	0.728654	0.0801857
11.4275	0.779062	0.0451907	0.804604	0.0485592	0.723448	0.0800845
11.4375	0.775876	0.0449118	0.799356	0.0475207	0.729744	0.0739339
11.4475	0.777401	0.0453202	0.800517	0.0453334	0.729187	0.0749665
11.4575	0.774827	0.0445123	0.800024	0.0438243	0.722867	0.0763726
11.4675	0.781138	0.0448858	0.798572	0.0458335	0.727125	0.0820999
11.4775	0.776674	0.0453026	0.80196	0.0461711	0.728879	0.0735887
11.4875	0.77934	0.0437379	0.799611	0.0486977	0.724758	0.0804163
11.4975	0.776143	0.0509051	0.790318	0.0475722	0.724076	0.0750453
11.5075	0.770295	0.0467507	0.799022	0.0461226	0.727272	0.0795554
11.5175	0.773248	0.0453887	0.799254	0.049543	0.720483	0.0734297
11.5275	0.77389	0.0454071	0.79619	0.0486349	0.72159	0.0804844
11.5375	0.769612	0.0479152	0.799209	0.0418339	0.717218	0.0739915
11.5475	0.76956	0.0468057	0.800743	0.0434214	0.716111	0.0761314
11.5575	0.771602	0.0440178	0.797891	0.0481231	0.721963	0.0793617
11.5675	0.770485	0.0466259	0.795822	0.0428775	0.71979	0.0749865
11.5775	0.77534	0.0450578	0.797397	0.0446198	0.717374	0.0768788
11.5875	0.772785	0.0475539	0.793471	0.0448436	0.722345	0.0786453
11.5975	0.774839	0.0437215	0.80044	0.042176	0.715096	0.0783435
11.6075	0.769677	0.049243	0.792306	0.035961	0.718596	0.0767693
11.6175	0.76506	0.0454272	0.796311	0.0448494	0.720606	0.0763343
11.6275	0.769077	0.0419792	0.799541	0.042698	0.723915	0.0794506
11.6375	0.768108	0.0454985	0.800749	0.0465734	0.725305	0.0759302
11.6475	0.777525	0.0451018	0.809247	0.0467566	0.724048	0.0734211
11.6575	0.77252	0.041885	0.805652	0.0459444	0.727758	0.078023
11.6675	0.769151	0.0471919	0.804464	0.0460586	0.725636	0.0744804
11.6775	0.768913	0.046427	0.796278	0.0470281	0.728792	0.0817493
11.6875	0.774465	0.0408586	0.803369	0.0466533	0.726432	0.0803343
11.6975	0.765835	0.0404068	0.798854	0.0426567	0.722952	0.0778534
11.7075	0.768509	0.041883	0.806908	0.0503609	0.726036	0.0781683
11.7175	0.766865	0.0460049	0.801984	0.0451519	0.727236	0.0771695
11.7275	0.775484	0.0417109	0.803984	0.0425368	0.723588	0.0759059
11.7375	0.775252	0.0399239	0.795989	0.0458717	0.72577	0.0781275
11.7475	0.775633	0.0402032	0.802911	0.0437629	0.723722	0.0692781
11.7575	0.779372	0.0425642	0.798658	0.0482386	0.728454	0.0766564
11.7675	0.776566	0.0448945	0.798718	0.0426586	0.725257	0.0796019
11.7775	0.76814	0.0419654	0.805703	0.0475378	0.721287	0.0792571
11.7875	0.773401	0.0452698	0.800212	0.0435175	0.720645	0.0776471

11.7975	0.774727	0.0443088	0.797589	0.0413558	0.71574	0.0743204
11.8075	0.775138	0.0442403	0.797063	0.0434745	0.715781	0.070183
11.8175	0.772109	0.0422454	0.793299	0.045289	0.720633	0.0723627
11.8275	0.765601	0.045476	0.798591	0.0445364	0.720599	0.0754654
11.8375	0.77024	0.045607	0.7994	0.0468326	0.716439	0.0716732
11.8475	0.769009	0.0436245	0.795769	0.0449025	0.718278	0.0707824
11.8575	0.771535	0.0434684	0.793755	0.0472354	0.715293	0.0728109
11.8675	0.768531	0.0384548	0.790963	0.0455706	0.716706	0.0738084
11.8775	0.76707	0.0395556	0.794478	0.043047	0.711797	0.0708877
11.8875	0.763337	0.0424559	0.784732	0.0398243	0.715584	0.0712914
11.8975	0.767328	0.0443728	0.789794	0.0454905	0.713774	0.0688338
11.9075	0.768258	0.0481804	0.790272	0.046103	0.711945	0.0665018
11.9175	0.765562	0.0425093	0.796739	0.0409383	0.71292	0.073999
11.9275	0.764646	0.0442966	0.789537	0.0386008	0.705728	0.0700926
11.9375	0.763197	0.042231	0.790961	0.0463507	0.707153	0.0726315
11.9475	0.759154	0.0410979	0.788226	0.0437279	0.706718	0.0715602
11.9575	0.759469	0.0433091	0.782205	0.0435764	0.706561	0.0705912
11.9675	0.761731	0.0417018	0.786338	0.0467887	0.705574	0.0677752
11.9775	0.754877	0.0410968	0.790686	0.0446611	0.704303	0.0668667
11.9875	0.754634	0.0437563	0.775913	0.046123	0.707764	0.070919
11.9975	0.755687	0.0380896	0.78736	0.0463901	0.700042	0.06499
12.0075	0.750391	0.0424873	0.776663	0.0422038	0.69588	0.0652602
12.0175	0.749881	0.0443389	0.783451	0.0477134	0.693701	0.0671177
12.0275	0.753492	0.0462259	0.776545	0.0447309	0.702078	0.0690096
12.0375	0.749941	0.0463629	0.779617	0.0472201	0.698938	0.0695269
12.0475	0.747849	0.0424573	0.782966	0.0476116	0.694371	0.064963
12.0575	0.746326	0.0376837	0.777811	0.0503257	0.68984	0.0668797
12.0675	0.744044	0.0473997	0.776225	0.0443	0.691239	0.067528
12.0775	0.748953	0.0386165	0.773367	0.0525046	0.695434	0.069594
12.0875	0.743267	0.0432825	0.777236	0.0458248	0.689041	0.0642575
12.0975	0.742194	0.0432065	0.781129	0.0566457	0.690648	0.0684383
12.1075	0.74188	0.0378259	0.77246	0.0504136	0.692573	0.0680457
12.1175	0.74271	0.0372686	0.773515	0.0527794	0.685841	0.0644922
12.1275	0.740518	0.0434652	0.778524	0.0544928	0.691527	0.0653033
12.1375	0.743017	0.0431073	0.77805	0.0525773	0.692432	0.0643386
12.1475	0.737661	0.0403176	0.774968	0.05576	0.690302	0.0669352
12.1575	0.736863	0.0430972	0.775994	0.0614005	0.685827	0.0660815
12.1675	0.736233	0.0422995	0.773845	0.0537765	0.68312	0.0671594
12.1775	0.735321	0.0431173	0.780721	0.0594079	0.685025	0.0663427
12.1875	0.732953	0.0397676	0.771226	0.0644243	0.681176	0.0686028
12.1975	0.730822	0.0473642	0.777069	0.0564087	0.690435	0.0653628
12.2075	0.736955	0.042791	0.777979	0.063419	0.683471	0.0695055
12.2175	0.733159	0.0452416	0.780479	0.0655534	0.684781	0.0680261
12.2275	0.731016	0.0450128	0.780398	0.064962	0.682173	0.0650608
12.2375	0.728539	0.0431955	0.779137	0.0662783	0.676951	0.0651604
12.2475	0.732946	0.0437401	0.777535	0.058057	0.68498	0.0669692
12.2575	0.73561	0.0416731	0.780489	0.0682601	0.678759	0.0677311

12.2675	0.730457	0.0469497	0.770894	0.0750544	0.678222	0.065759
12.2775	0.732333	0.0459747	0.777359	0.0758925	0.677354	0.0659866
12.2875	0.729175	0.0438195	0.769943	0.0646192	0.678732	0.06455
12.2975	0.725322	0.0457278	0.771488	0.0782008	0.677428	0.0676717
12.3075	0.718143	0.0413188	0.77104	0.0719237	0.671935	0.0673057
12.3175	0.721614	0.0421627	0.770272	0.0696916	0.674922	0.0671852
12.3275	0.72277	0.0407296	0.768976	0.0668848	0.670877	0.0659371
12.3375	0.725551	0.0375026	0.770101	0.0732184	0.669411	0.0644368
12.3475	0.717344	0.0423311	0.763565	0.0740044	0.66923	0.0656827
12.3575	0.720422	0.0400462	0.766531	0.0731832	0.667551	0.0640453
12.3675	0.718507	0.0411155	0.764719	0.0757885	0.665551	0.0656303
12.3775	0.713973	0.0407415	0.764837	0.0744686	0.661972	0.0627078
12.3875	0.70894	0.0383681	0.756958	0.0732029	0.663726	0.0654776
12.3975	0.712162	0.0411331	0.7614	0.0823972	0.661741	0.0625851
12.4075	0.708111	0.0478577	0.759601	0.0861475	0.666095	0.0647983
12.4175	0.704441	0.0358494	0.773882	0.096696	0.660347	0.0627561
12.4275	0.700303	0.0405724	0.78126	0.106657	0.665646	0.0585787
12.4375	0.702398	0.0365783	0.792929	0.121635	0.667396	0.0650661
12.4475	0.704751	0.039743	0.80706	0.160988	0.670676	0.067728
12.4575	0.702503	0.0408468	0.827341	0.183955	0.680162	0.0698404
12.4675	0.702769	0.035556	0.844492	0.214245	0.68239	0.0688697
12.4775	0.703854	0.0398898	0.87173	0.259562	0.690214	0.072451
12.4875	0.707501	0.0431185	0.89567	0.291713	0.702837	0.0712993
12.4975	0.711096	0.038363	0.935791	0.356751	0.714072	0.0821679
12.5075	0.713264	0.0396173	0.973305	0.394893	0.725697	0.0926507
12.5175	0.723151	0.0396264	1.00336	0.459998	0.736037	0.0980878
12.5275	0.731191	0.0395669	1.04577	0.526167	0.76088	0.107532
12.5375	0.737548	0.043418	1.08385	0.586823	0.776577	0.119698
12.5475	0.752013	0.0411013	1.12711	0.661854	0.791851	0.122551
12.5575	0.750988	0.0400233	1.1625	0.713871	0.811541	0.136802
12.5675	0.769324	0.0440326	1.19146	0.765131	0.824449	0.152149
12.5775	0.775533	0.0417277	1.20786	0.797561	0.837946	0.157943
12.5875	0.783402	0.0414781	1.23754	0.840481	0.844984	0.160625
12.5975	0.798143	0.0455832	1.25722	0.859043	0.855541	0.169595
12.6075	0.804783	0.0456372	1.26679	0.884341	0.861009	0.171505
12.6175	0.81592	0.0463505	1.26707	0.89529	0.867849	0.174356
12.6275	0.82071	0.0470171	1.25338	0.878038	0.872058	0.180931
12.6375	0.82389	0.0436313	1.2415	0.847344	0.866677	0.173702
12.6475	0.830505	0.0498503	1.22052	0.804172	0.859774	0.170917
12.6575	0.835379	0.0468189	1.18994	0.758879	0.853908	0.164937
12.6675	0.836097	0.0462655	1.15574	0.727991	0.84112	0.162551
12.6775	0.835671	0.0449627	1.12505	0.659875	0.834951	0.151106
12.6875	0.834832	0.0477749	1.0909	0.602115	0.825059	0.147701
12.6975	0.835373	0.0444732	1.05707	0.551195	0.806221	0.135642
12.7075	0.830904	0.0458691	1.02302	0.501751	0.795512	0.122294
12.7175	0.82588	0.0478097	0.995856	0.446442	0.78089	0.121252
12.7275	0.824252	0.0545475	0.965816	0.402691	0.764812	0.108232

12.7375	0.819304	0.0531401	0.934476	0.346198	0.755878	0.102793
12.7475	0.816403	0.0494271	0.909153	0.297548	0.74591	0.102581
12.7575	0.815648	0.0568053	0.88639	0.254687	0.731732	0.0987985
12.7675	0.815855	0.0608704	0.863468	0.238791	0.723343	0.0960721
12.7775	0.809668	0.0631797	0.852396	0.21607	0.716435	0.0913902
12.7875	0.806319	0.0577773	0.830452	0.182885	0.711517	0.0929904
12.7975	0.811158	0.0580677	0.815039	0.16371	0.702334	0.0901823
12.8075	0.800066	0.0555468	0.803366	0.145893	0.691569	0.0853117
12.8175	0.793056	0.0691608	0.792067	0.133705	0.682304	0.0877085
12.8275	0.785911	0.057954	0.776895	0.114251	0.680464	0.0821453
12.8375	0.780076	0.0634839	0.758199	0.110371	0.671963	0.0781087
12.8475	0.773957	0.054884	0.748064	0.0990969	0.670524	0.077676
12.8575	0.762192	0.0542376	0.741558	0.0946808	0.658132	0.071689
12.8675	0.75662	0.0559559	0.741241	0.0808839	0.650704	0.0697394
12.8775	0.743885	0.0480127	0.728619	0.0846674	0.643542	0.0683996
12.8875	0.73527	0.0505327	0.715358	0.0719402	0.642021	0.0654426
12.8975	0.723803	0.046368	0.712152	0.0670676	0.638593	0.0651572
12.9075	0.7165	0.0474436	0.704645	0.0646925	0.62659	0.0606907
12.9175	0.700765	0.0441268	0.70002	0.0613769	0.625237	0.0580473
12.9275	0.695463	0.0446624	0.689442	0.0629895	0.620018	0.0593522
12.9375	0.68584	0.0425895	0.686333	0.0636736	0.614191	0.052725
12.9475	0.677432	0.0384427	0.688256	0.0601585	0.615252	0.0549249
12.9575	0.674036	0.0358357	0.679442	0.0599647	0.610266	0.0558769
12.9675	0.665531	0.0393041	0.6771	0.0588442	0.608968	0.0511323
12.9775	0.657924	0.0347745	0.674461	0.0579668	0.603853	0.0544604
12.9875	0.653898	0.0336174	0.670066	0.0631448	0.597552	0.0565906
12.9975	0.650155	0.036431	0.672725	0.061126	0.593508	0.0527325
13.0075	0.645044	0.0367123	0.66675	0.0582516	0.593572	0.0509142
13.0175	0.63544	0.0320798	0.665638	0.0586725	0.591547	0.0551068
13.0275	0.632166	0.0367013	0.658137	0.0582925	0.588303	0.0541329
13.0375	0.635033	0.0359392	0.658347	0.0552597	0.58495	0.0531391
13.0475	0.626593	0.0330578	0.651472	0.0513754	0.584004	0.0528374
13.0575	0.622386	0.0368476	0.642894	0.0457873	0.582759	0.0521291
13.0675	0.619066	0.0377116	0.641883	0.0501273	0.582778	0.0527801
13.0775	0.617295	0.0375835	0.638063	0.0443028	0.580133	0.05174
13.0875	0.620077	0.0390525	0.6385	0.0469117	0.57372	0.0520364
13.0975	0.609382	0.0356786	0.62534	0.0434001	0.570363	0.0554862
13.1075	0.607811	0.0353501	0.625424	0.0437053	0.570244	0.0552146
13.1175	0.607336	0.0352784	0.625133	0.0385281	0.567072	0.0552915
13.1275	0.608119	0.0353346	0.624256	0.0373326	0.570479	0.0497258
13.1375	0.602498	0.0332422	0.616844	0.035025	0.571478	0.0540773
13.1475	0.597759	0.0353426	0.620903	0.0399508	0.562305	0.0551465
13.1575	0.594383	0.0344503	0.615005	0.0392646	0.563982	0.0548146
13.1675	0.597919	0.0378278	0.620011	0.0380576	0.565032	0.0554261
13.1775	0.59677	0.0337453	0.616202	0.0352368	0.563146	0.0553087
13.1875	0.597813	0.0334247	0.614097	0.0340805	0.563684	0.0504486
13.1975	0.596311	0.0341597	0.621366	0.0334658	0.566456	0.0545277

13.2075	0.597124	0.0344335	0.621448	0.0363397	0.56598	0.0550609
13.2175	0.595165	0.0325656	0.614777	0.0395894	0.56612	0.0569751
13.2275	0.600251	0.0346998	0.625087	0.0380718	0.56614	0.0547079
13.2375	0.598124	0.0310324	0.633151	0.0342652	0.570098	0.0568344
13.2475	0.598204	0.0328631	0.632212	0.0401234	0.571559	0.0543724
13.2575	0.602293	0.0351055	0.640879	0.0375952	0.573042	0.0528424
13.2675	0.606518	0.0359934	0.642242	0.036701	0.580325	0.0573582
13.2775	0.608511	0.0329398	0.650144	0.0349276	0.583322	0.0563666
13.2875	0.615542	0.0302259	0.659697	0.0390163	0.586896	0.0566787
13.2975	0.61382	0.0348411	0.664502	0.0334856	0.58961	0.0583796
13.3075	0.620212	0.0333979	0.665425	0.0356665	0.593177	0.0563982
13.3175	0.622732	0.0346071	0.671862	0.0402398	0.596035	0.0585833
13.3275	0.630509	0.0335134	0.67767	0.0412083	0.603057	0.0614956
13.3375	0.638128	0.0378851	0.674893	0.0413629	0.607888	0.0578837
13.3475	0.644895	0.0345362	0.67945	0.0443589	0.610739	0.056727
13.3575	0.649753	0.0343244	0.687982	0.0396762	0.607524	0.0572407
13.3675	0.651639	0.0348326	0.681882	0.0369274	0.607249	0.0590085
13.3775	0.657905	0.0371677	0.682589	0.0402701	0.607804	0.058677
13.3875	0.665249	0.0352141	0.684553	0.0372349	0.61243	0.0586014
13.3975	0.670188	0.0340793	0.676472	0.0400753	0.605238	0.0561826
13.4075	0.667485	0.038564	0.681037	0.0345162	0.607743	0.0616011
13.4175	0.67399	0.0371237	0.679446	0.0405363	0.610582	0.059764
13.4275	0.66529	0.0358588	0.666345	0.0413908	0.601087	0.0620263
13.4375	0.665871	0.0373357	0.657946	0.0440649	0.595649	0.0587271
13.4475	0.66686	0.0391493	0.655401	0.036965	0.59312	0.0569629
13.4575	0.663163	0.0320649	0.639148	0.0399415	0.586771	0.059373
13.4675	0.654078	0.03989	0.635453	0.0440452	0.585927	0.0564191
13.4775	0.652361	0.0367009	0.631202	0.0379622	0.576085	0.0553419
13.4875	0.649152	0.0354328	0.627266	0.0377449	0.567659	0.0524593
13.4975	0.638604	0.0321258	0.613138	0.0405907	0.560389	0.048704
13.5075	0.63495	0.0333414	0.608128	0.0359873	0.562448	0.0511728
13.5175	0.62157	0.0361052	0.597121	0.035017	0.552225	0.0511004
13.5275	0.617229	0.034671	0.591056	0.0310171	0.548797	0.0486974
13.5375	0.610413	0.0344267	0.588578	0.0340143	0.541439	0.0485761
13.5475	0.602322	0.0363174	0.582456	0.033294	0.538465	0.0482296
13.5575	0.597274	0.0347469	0.57882	0.0354304	0.534269	0.0444298
13.5675	0.587682	0.0322832	0.576957	0.0325095	0.531936	0.0443373
13.5775	0.584122	0.0329755	0.574456	0.0291139	0.531369	0.0426317
13.5875	0.579508	0.0333262	0.569501	0.0268543	0.52574	0.0421066
13.5975	0.569773	0.0314857	0.564899	0.0310935	0.523395	0.0471613
13.6075	0.561523	0.031434	0.564056	0.0326462	0.521795	0.0472778
13.6175	0.562769	0.030841	0.565016	0.0284896	0.520399	0.0500323
13.6275	0.556745	0.030518	0.561612	0.032351	0.522186	0.0427689
13.6375	0.552901	0.0322545	0.559546	0.0338222	0.513519	0.0438085
13.6475	0.55384	0.0311074	0.557762	0.0280375	0.515181	0.0457527
13.6575	0.547347	0.0315468	0.556622	0.0282238	0.516572	0.0438589
13.6675	0.552202	0.0316068	0.553859	0.0347808	0.509118	0.0424357

13.6775	0.549294	0.0314645	0.546811	0.0320673	0.511104	0.0470942
13.6875	0.545279	0.0317966	0.557075	0.0288545	0.51209	0.0458092
13.6975	0.542851	0.0329616	0.550209	0.0296352	0.509721	0.0451238
13.7075	0.541401	0.0342537	0.550119	0.0311967	0.509114	0.046236
13.7175	0.537681	0.0320962	0.546759	0.0299065	0.508436	0.0430864
13.7275	0.541305	0.0323831	0.55101	0.0283676	0.508559	0.0440896
13.7375	0.539037	0.0325864	0.54912	0.0295412	0.505616	0.0424319
13.7475	0.543667	0.0319088	0.548886	0.0287417	0.504353	0.0452133
13.7575	0.536896	0.027729	0.546125	0.0334017	0.511673	0.0466622
13.7675	0.536563	0.0297973	0.544782	0.031464	0.505082	0.0467284
13.7775	0.53065	0.0332996	0.547951	0.0328881	0.505113	0.0425821
13.7875	0.530478	0.0279789	0.543395	0.0334369	0.50227	0.041717
13.7975	0.532068	0.031178	0.543871	0.0303872	0.506406	0.0422619
13.8075	0.53102	0.0279785	0.543739	0.0333995	0.501917	0.0459514
13.8175	0.528469	0.0300559	0.549942	0.0336088	0.503653	0.0429438
13.8275	0.527667	0.0297856	0.54256	0.0348687	0.499107	0.0393361
13.8375	0.528806	0.0316138	0.546639	0.0333058	0.501553	0.044468
13.8475	0.531142	0.0316497	0.547267	0.037551	0.50173	0.0447044
13.8575	0.534768	0.0276108	0.554674	0.0462333	0.505355	0.0440603
13.8675	0.53209	0.0320015	0.562024	0.0473445	0.502261	0.0420632
13.8775	0.525002	0.0288012	0.563065	0.0528453	0.501993	0.0445205
13.8875	0.533279	0.0311931	0.569771	0.0613851	0.509116	0.046449
13.8975	0.534668	0.029271	0.577307	0.0729838	0.516663	0.0431265
13.9075	0.533004	0.0294436	0.588547	0.0761891	0.513637	0.0438039
13.9175	0.534319	0.0327847	0.602386	0.095608	0.522902	0.0422717
13.9275	0.535725	0.029605	0.625702	0.113504	0.523769	0.044134
13.9375	0.545391	0.0300971	0.642535	0.135632	0.538124	0.0449229
13.9475	0.552672	0.0351394	0.673226	0.172932	0.542513	0.0480645
13.9575	0.556674	0.0320274	0.707957	0.210364	0.559486	0.0490361
13.9675	0.566803	0.0335339	0.74114	0.239863	0.573808	0.0550299
13.9775	0.573266	0.0366488	0.781393	0.2937	0.592347	0.0503903
13.9875	0.586891	0.0369582	0.836387	0.347023	0.610938	0.0526318
13.9975	0.603701	0.0413489	0.882118	0.397751	0.636171	0.0599066
14.0075	0.620998	0.045542	0.945243	0.474544	0.664381	0.0635733
14.0175	0.64411	0.0529252	1.00566	0.533338	0.686539	0.0668999
14.0275	0.669961	0.0631504	1.07722	0.603788	0.725516	0.0740798
14.0375	0.690419	0.0666313	1.14452	0.676998	0.752441	0.0773144
14.0475	0.721484	0.0694388	1.2075	0.754616	0.784588	0.083149
14.0575	0.763068	0.0850861	1.27605	0.813674	0.81781	0.0872607
14.0675	0.800591	0.0861977	1.34958	0.879673	0.851711	0.0921413
14.0775	0.833046	0.0977673	1.40742	0.962339	0.892107	0.105135
14.0875	0.874494	0.117201	1.45758	1.00607	0.914615	0.106764
14.0975	0.911007	0.124883	1.51198	1.06176	0.94771	0.104505
14.1075	0.93906	0.133971	1.53989	1.08933	0.972794	0.115654
14.1175	0.985862	0.154553	1.56967	1.13285	0.989124	0.111602
14.1275	1.01491	0.156298	1.58436	1.14871	1.00425	0.121861
14.1375	1.03727	0.164102	1.58473	1.12941	1.00745	0.123629

14.1475	1.06564	0.170282	1.56557	1.10057	1.01236	0.129639
14.1575	1.07935	0.163815	1.53599	1.09138	1.00503	0.125029
14.1675	1.09354	0.178614	1.50707	1.04072	0.989182	0.118863
14.1775	1.09336	0.177051	1.45983	1.02007	0.97729	0.118407
14.1875	1.09433	0.169178	1.39982	0.940575	0.952927	0.112546
14.1975	1.08052	0.173836	1.33945	0.871143	0.922999	0.110698
14.2075	1.05891	0.169307	1.28019	0.814417	0.898759	0.106937
14.2175	1.03277	0.15736	1.19151	0.740506	0.865101	0.0997458
14.2275	1.01235	0.153469	1.12332	0.668635	0.828114	0.0918659
14.2375	0.981451	0.139014	1.05354	0.592433	0.787323	0.0861403
14.2475	0.938368	0.142738	0.983078	0.505832	0.753965	0.0807869
14.2575	0.899711	0.121553	0.923531	0.450814	0.713947	0.0742683
14.2675	0.864875	0.113863	0.856592	0.38885	0.676596	0.0703966
14.2775	0.819071	0.107111	0.79444	0.322945	0.652067	0.0571923
14.2875	0.778905	0.0926059	0.744331	0.273253	0.615858	0.0586227
14.2975	0.739455	0.0830006	0.697367	0.224339	0.584917	0.0544655
14.3075	0.706122	0.0775909	0.657939	0.185441	0.565695	0.0532687
14.3175	0.676827	0.0588702	0.62498	0.15087	0.540122	0.0471244
14.3275	0.636942	0.060383	0.59461	0.121317	0.525798	0.0481686
14.3375	0.607782	0.0446278	0.568924	0.0991367	0.511876	0.0441616
14.3475	0.582737	0.0454162	0.548626	0.0785711	0.496885	0.0451995
14.3575	0.566267	0.0379423	0.539114	0.0680769	0.481441	0.0429488
14.3675	0.544537	0.0350785	0.521041	0.0506333	0.47653	0.0434769
14.3775	0.524942	0.0377584	0.514381	0.0503531	0.46847	0.0420876
14.3875	0.516973	0.0336214	0.497884	0.042335	0.462193	0.0417199
14.3975	0.508909	0.0336032	0.493355	0.0347028	0.457769	0.0378616
14.4075	0.492953	0.028316	0.487619	0.0302743	0.453813	0.0400384
14.4175	0.490575	0.0297954	0.479728	0.0305036	0.4492	0.039321
14.4275	0.48614	0.0292605	0.483572	0.0298185	0.445405	0.0377041
14.4375	0.478417	0.0278531	0.475687	0.0288326	0.443511	0.0392485
14.4475	0.474712	0.0251017	0.477877	0.0292809	0.441892	0.0382661
14.4575	0.469313	0.0317439	0.471103	0.0292991	0.436919	0.0381487
14.4675	0.469593	0.02816	0.470431	0.0277712	0.434544	0.0375176
14.4775	0.466039	0.0278257	0.470919	0.0286553	0.434652	0.0409314
14.4875	0.463538	0.0283759	0.466447	0.0289841	0.434477	0.03885
14.4975	0.459141	0.0302314	0.468581	0.0269177	0.429346	0.0360879
14.5075	0.460564	0.0272976	0.464614	0.0289384	0.436401	0.0390882
14.5175	0.460645	0.0275779	0.465224	0.0282307	0.429979	0.0377761
14.5275	0.456597	0.0277944	0.465687	0.0287003	0.432236	0.0339173
14.5375	0.456339	0.0292335	0.466656	0.0278746	0.427476	0.0348018
14.5475	0.454638	0.0287111	0.461221	0.0278101	0.425907	0.0376498
14.5575	0.457378	0.0287708	0.462382	0.0275587	0.424131	0.0396073
14.5675	0.450338	0.0295322	0.465638	0.0322394	0.426358	0.0386156
14.5775	0.448381	0.0298452	0.463914	0.0325677	0.422169	0.038032
14.5875	0.450084	0.0260467	0.46772	0.0391948	0.425057	0.0386521
14.5975	0.450251	0.0301743	0.468434	0.0378319	0.423836	0.0342584
14.6075	0.447595	0.0274466	0.468868	0.0402598	0.422573	0.0351764

14.6175	0.449296	0.0260999	0.471339	0.0408168	0.424005	0.0374173
14.6275	0.443322	0.0289656	0.473263	0.0505016	0.42437	0.0358215
14.6375	0.447156	0.0287228	0.475864	0.0579051	0.425175	0.0350531
14.6475	0.442427	0.0317886	0.483764	0.064049	0.4203	0.0361839
14.6575	0.44778	0.0251231	0.487594	0.0694234	0.429248	0.0350275
14.6675	0.444024	0.0281823	0.488134	0.0759156	0.426644	0.0385861
14.6775	0.442875	0.0277673	0.491621	0.0811232	0.430332	0.0346292
14.6875	0.444807	0.0247434	0.503159	0.0967041	0.430669	0.0382846
14.6975	0.44713	0.02639	0.502141	0.0912061	0.434711	0.0378149
14.7075	0.441877	0.0297936	0.507607	0.109308	0.434101	0.0369938
14.7175	0.438664	0.0252171	0.512748	0.10399	0.432139	0.0380555
14.7275	0.447144	0.0231645	0.516259	0.118871	0.434981	0.0416476
14.7375	0.447868	0.0254113	0.514286	0.111656	0.436973	0.0413349
14.7475	0.442713	0.0296054	0.519129	0.115155	0.433404	0.0412754
14.7575	0.445067	0.0262186	0.511875	0.109516	0.43235	0.0424353
14.7675	0.445575	0.0262211	0.517692	0.114411	0.434299	0.0401282
14.7775	0.445129	0.0256409	0.514077	0.111122	0.43509	0.0432783
14.7875	0.447557	0.0260013	0.515465	0.110843	0.4354	0.0407969
14.7975	0.444914	0.0265763	0.509185	0.104392	0.436682	0.0431888
14.8075	0.448569	0.0272522	0.504045	0.0964163	0.436709	0.0423819
14.8175	0.449477	0.0297506	0.50335	0.0905528	0.43278	0.0394781
14.8275	0.446196	0.0270536	0.499957	0.0888607	0.426101	0.036539
14.8375	0.4466	0.0261577	0.495574	0.0874744	0.427562	0.0400488
14.8475	0.446879	0.0258201	0.493656	0.0755444	0.424216	0.0359129
14.8575	0.445413	0.0283422	0.490023	0.0641512	0.430108	0.0423523
14.8675	0.445408	0.0266933	0.48788	0.0690037	0.423442	0.0324474
14.8775	0.445631	0.0262579	0.481572	0.0522832	0.420986	0.035331
14.8875	0.445775	0.0269341	0.475902	0.0513435	0.422841	0.0368088
14.8975	0.445198	0.0243744	0.473184	0.047572	0.421653	0.0326147
14.9075	0.44078	0.0291911	0.471576	0.0383819	0.418172	0.0402234
14.9175	0.444434	0.0270689	0.467906	0.0374446	0.41497	0.0327863
14.9275	0.446918	0.0267999	0.468843	0.0333847	0.413954	0.0335927
14.9375	0.44579	0.0297045	0.466189	0.0338392	0.410736	0.0347881
14.9475	0.4382	0.0292136	0.462228	0.0347791	0.414516	0.0348037
14.9575	0.438251	0.0309326	0.461715	0.0312895	0.40943	0.0343771
14.9675	0.438639	0.0259838	0.453636	0.0343574	0.407223	0.0311151
14.9775	0.440718	0.0262049	0.457133	0.0319095	0.407091	0.0322955
14.9875	0.437394	0.0303478	0.451954	0.0327394	0.400246	0.0351362
14.9975	0.439256	0.0250472	0.44903	0.0317786	0.401713	0.0315523
15.0075	0.43531	0.0252135	0.448089	0.0285397	0.398695	0.0313354
15.0175	0.429124	0.026007	0.43952	0.0279849	0.397676	0.0339511
15.0275	0.43223	0.0269975	0.441379	0.0341046	0.392671	0.0321137
15.0375	0.42827	0.0263463	0.441427	0.0313546	0.389956	0.0313361
15.0475	0.422207	0.0214947	0.433832	0.0345711	0.390242	0.0300136
15.0575	0.419594	0.0298087	0.434889	0.0349725	0.388109	0.0329239
15.0675	0.416362	0.0279325	0.425568	0.0334138	0.386585	0.0297905
15.0775	0.415409	0.0239613	0.428413	0.0379015	0.384028	0.0299572

15.0875	0.413016	0.02496	0.426918	0.0393906	0.380203	0.0330493
15.0975	0.411547	0.0244813	0.42454	0.0377933	0.382237	0.0344294
15.1075	0.406614	0.0235741	0.420943	0.0442435	0.375828	0.030248
15.1175	0.405015	0.0226855	0.421031	0.0460518	0.376861	0.0308584
15.1275	0.400994	0.0255206	0.417738	0.0398908	0.378152	0.0307576
15.1375	0.40149	0.0230239	0.419138	0.0394607	0.373549	0.0312906
15.1475	0.398568	0.0242085	0.412604	0.0399915	0.370744	0.0282979
15.1575	0.39626	0.0242233	0.413707	0.0430659	0.372524	0.0290919
15.1675	0.396462	0.0241224	0.410564	0.0420666	0.371074	0.0285905
15.1775	0.39142	0.0246863	0.413817	0.0440864	0.368769	0.0303426
15.1875	0.387565	0.0240634	0.409365	0.0415953	0.363689	0.0299448
15.1975	0.38554	0.0229253	0.407604	0.0437111	0.365983	0.0312828
15.2075	0.38663	0.0230237	0.401497	0.0456478	0.364479	0.0287312
15.2175	0.389748	0.0222217	0.399383	0.0350614	0.363334	0.0277175
15.2275	0.381857	0.0232823	0.40234	0.0426814	0.357176	0.0287675
15.2375	0.37978	0.0226774	0.398534	0.034078	0.35833	0.026048
15.2475	0.378676	0.0256442	0.395835	0.0362704	0.360408	0.0290246
15.2575	0.375824	0.0219862	0.395901	0.0356491	0.357027	0.0283246
15.2675	0.375067	0.0220442	0.390193	0.0290651	0.355474	0.0285012
15.2775	0.372553	0.0226359	0.385414	0.0257363	0.354186	0.0277346
15.2875	0.371872	0.0216595	0.385973	0.0269256	0.348767	0.028014
15.2975	0.368891	0.0235706	0.38464	0.0278482	0.348871	0.0269556
15.3075	0.370045	0.0239826	0.379778	0.0294962	0.353428	0.0271069
15.3175	0.365776	0.0176353	0.377447	0.0247761	0.347594	0.029256
15.3275	0.370676	0.0200517	0.373104	0.0259697	0.345321	0.0260056
15.3375	0.367014	0.0193907	0.371704	0.0233852	0.345425	0.0278569
15.3475	0.367076	0.021343	0.373042	0.0254275	0.343734	0.0263443
15.3575	0.362791	0.0216276	0.368937	0.0274016	0.341083	0.0274449
15.3675	0.36399	0.022589	0.369775	0.0232533	0.340705	0.0277662
15.3775	0.360061	0.0204737	0.372166	0.025386	0.339026	0.0270598
15.3875	0.360163	0.0210265	0.371805	0.0231234	0.336735	0.0274012
15.3975	0.358562	0.0216152	0.370474	0.0223422	0.338051	0.0293416
15.4075	0.355408	0.0216113	0.368944	0.0237275	0.336511	0.0244736
15.4175	0.356704	0.0235517	0.363374	0.0237462	0.335283	0.0279106
15.4275	0.358737	0.0231407	0.366327	0.0252734	0.33744	0.0278306
15.4375	0.35135	0.0213968	0.365072	0.0209679	0.335613	0.025902
15.4475	0.352832	0.0224371	0.369165	0.0254391	0.336102	0.0288922
15.4575	0.354034	0.0221455	0.371273	0.0267967	0.337813	0.0281494
15.4675	0.351447	0.0209922	0.373843	0.0240802	0.339513	0.0254282
15.4775	0.353468	0.023426	0.374778	0.0282461	0.333631	0.0256416
15.4875	0.352449	0.021749	0.379889	0.0314658	0.33783	0.0263317
15.4975	0.351019	0.0223977	0.37536	0.0349625	0.342125	0.0292932
15.5075	0.352487	0.0232956	0.379463	0.0374807	0.338519	0.0315339
15.5175	0.35245	0.0230427	0.393224	0.0392278	0.347047	0.0366557
15.5275	0.354081	0.0222254	0.396694	0.0523533	0.348987	0.0408226
15.5375	0.354768	0.0221619	0.409967	0.0602946	0.355865	0.0469433
15.5475	0.355872	0.0232894	0.417043	0.0711297	0.360946	0.0563505

15.5575	0.359787	0.0218016	0.425917	0.0787039	0.371019	0.0626296
15.5675	0.367759	0.0241605	0.444099	0.0897084	0.372705	0.0636491
15.5775	0.371503	0.0197158	0.451376	0.120156	0.383902	0.0771993
15.5875	0.375977	0.0247425	0.471537	0.127106	0.39391	0.0917936
15.5975	0.383603	0.022599	0.491133	0.141127	0.3992	0.104587
15.6075	0.386341	0.0287331	0.509874	0.158835	0.416958	0.120951
15.6175	0.391495	0.0263577	0.529779	0.182024	0.426692	0.13842
15.6275	0.407055	0.0314877	0.558153	0.198285	0.445107	0.158598
15.6375	0.414768	0.0300954	0.575632	0.209892	0.459627	0.170049
15.6475	0.427078	0.03387	0.604217	0.24116	0.471149	0.183385
15.6575	0.440287	0.0331563	0.633306	0.257162	0.491844	0.203366
15.6675	0.452953	0.039072	0.658988	0.280277	0.505954	0.228297
15.6775	0.469662	0.0412047	0.675305	0.289713	0.523411	0.254354
15.6875	0.486119	0.0488755	0.705998	0.31163	0.539339	0.255243
15.6975	0.498051	0.0442069	0.721748	0.331366	0.555613	0.261
15.7075	0.510237	0.0529717	0.745073	0.337386	0.571535	0.287258
15.7175	0.528347	0.0548966	0.76354	0.347442	0.581624	0.289241
15.7275	0.540359	0.0572077	0.777867	0.352421	0.591747	0.301393
15.7375	0.559511	0.0600766	0.790078	0.352897	0.601216	0.29681
15.7475	0.572747	0.0640668	0.800001	0.352886	0.608852	0.302731
15.7575	0.583503	0.0686003	0.800022	0.349863	0.610479	0.308878
15.7675	0.592054	0.0604881	0.804469	0.347608	0.617782	0.304412
15.7775	0.606358	0.0676033	0.791676	0.334798	0.614727	0.293908
15.7875	0.610315	0.0689401	0.788753	0.324402	0.608326	0.278468
15.7975	0.622364	0.0701208	0.771153	0.310258	0.603138	0.269712
15.8075	0.61999	0.0691133	0.758307	0.302317	0.594248	0.255992
15.8175	0.615136	0.0641152	0.742203	0.285948	0.582196	0.23895
15.8275	0.609256	0.0630257	0.719551	0.265672	0.567401	0.219944
15.8375	0.609018	0.0652065	0.688623	0.255811	0.557004	0.203479
15.8475	0.597612	0.0608382	0.66342	0.231372	0.535716	0.192244
15.8575	0.587186	0.0592394	0.638676	0.213229	0.517036	0.168522
15.8675	0.575527	0.0575193	0.609943	0.197273	0.49666	0.145447
15.8775	0.561084	0.051549	0.58236	0.174113	0.475455	0.125436
15.8875	0.543365	0.0490409	0.552338	0.161452	0.460967	0.108902
15.8975	0.527552	0.048883	0.522184	0.145388	0.446661	0.101229
15.9075	0.508206	0.0505697	0.503124	0.127226	0.428881	0.0804791
15.9175	0.492632	0.0427419	0.479186	0.113548	0.411683	0.0710043
15.9275	0.472311	0.0408635	0.453902	0.0977701	0.393769	0.0609901
15.9375	0.458368	0.0393843	0.435509	0.0894278	0.380678	0.0568721
15.9475	0.439435	0.0354102	0.414597	0.0812468	0.371836	0.0485603
15.9575	0.422903	0.0337734	0.399545	0.0684192	0.35398	0.0407174
15.9675	0.40808	0.0269838	0.393807	0.0646699	0.347411	0.0332036
15.9775	0.396674	0.0299004	0.378943	0.0572858	0.339655	0.0329332
15.9875	0.382091	0.0287363	0.369852	0.048527	0.332893	0.0302174
15.9975	0.373072	0.0267926	0.363111	0.048435	0.324185	0.0298154
16.0075	0.362963	0.0251691	0.355898	0.0416138	0.322281	0.0245175
16.0175	0.351629	0.0248229	0.350923	0.0411859	0.317581	0.0239209

16.0275	0.345402	0.0201729	0.346448	0.0393496	0.313496	0.0268135
16.0375	0.337618	0.023624	0.342084	0.0352263	0.309056	0.022486
16.0475	0.335743	0.0203443	0.340829	0.0380982	0.305309	0.021475
16.0575	0.326329	0.0218457	0.33752	0.036616	0.306428	0.0227255
16.0675	0.330475	0.0199928	0.332175	0.0333308	0.304902	0.0242362
16.0775	0.325228	0.0206609	0.332505	0.0298338	0.300759	0.0226671
16.0875	0.322405	0.0210432	0.330572	0.0326466	0.304381	0.0225452
16.0975	0.320576	0.0179505	0.327231	0.0329702	0.300844	0.0221117
16.1075	0.318151	0.0187631	0.326091	0.0318167	0.297234	0.0237927
16.1175	0.314439	0.0209502	0.32284	0.0319573	0.29615	0.0222871
16.1275	0.31357	0.0216355	0.324869	0.0293285	0.293435	0.0222574
16.1375	0.312103	0.0205923	0.323134	0.027623	0.292691	0.0219048
16.1475	0.310159	0.0182929	0.320681	0.027619	0.296299	0.0227966
16.1575	0.310084	0.0190017	0.314728	0.0265253	0.289656	0.0202856
16.1675	0.309456	0.019839	0.31541	0.0270859	0.289224	0.0207048
16.1775	0.304621	0.0200475	0.311152	0.0240114	0.289008	0.0215503
16.1875	0.307121	0.0190152	0.31178	0.0223989	0.287076	0.0219014
16.1975	0.305796	0.0197506	0.309929	0.0260858	0.284353	0.0216005
16.2075	0.303591	0.0184865	0.30491	0.0192502	0.28222	0.0208358
16.2175	0.298524	0.0196678	0.300414	0.0203772	0.284282	0.0218608
16.2275	0.299697	0.0189759	0.300525	0.0228267	0.282186	0.020609
16.2375	0.29826	0.0193413	0.295978	0.0195879	0.282492	0.0191697
16.2475	0.296351	0.0192995	0.297296	0.0228157	0.278296	0.0222515
16.2575	0.294137	0.021891	0.295037	0.0197183	0.277518	0.0197785
16.2675	0.294441	0.0201971	0.294881	0.0192663	0.278636	0.020985
16.2775	0.292602	0.0192441	0.292708	0.0183553	0.27866	0.0196016
16.2875	0.289894	0.020703	0.293622	0.0214725	0.274466	0.0210264
16.2975	0.292781	0.0187712	0.291923	0.0215875	0.275717	0.021272
16.3075	0.289275	0.0199148	0.294345	0.0210013	0.272384	0.0189452
16.3175	0.288258	0.0172173	0.290675	0.0196158	0.273247	0.021131
16.3275	0.285957	0.0171743	0.291641	0.0193854	0.272538	0.0185074
16.3375	0.288382	0.0181643	0.286292	0.018757	0.2699	0.0188439
16.3475	0.284794	0.0201716	0.289884	0.0192212	0.272985	0.021182
16.3575	0.285507	0.018563	0.289834	0.0213808	0.268936	0.0209543
16.3675	0.286425	0.0183139	0.286265	0.0216105	0.270702	0.0215083
16.3775	0.285407	0.0194566	0.286298	0.0198798	0.272525	0.0196948
16.3875	0.2822	0.0177497	0.284317	0.0193391	0.270362	0.0213994
16.3975	0.281562	0.0160486	0.286644	0.0195456	0.268494	0.0189299
16.4075	0.28116	0.0197755	0.285532	0.0198504	0.266148	0.0165848
16.4175	0.282305	0.0193782	0.2798	0.0206015	0.267202	0.0210997
16.4275	0.27986	0.0205823	0.281681	0.0173279	0.265498	0.0222488
16.4375	0.276215	0.0191323	0.282387	0.0183184	0.267526	0.0216327
16.4475	0.279056	0.0179315	0.283008	0.0169326	0.266833	0.0205188
16.4575	0.276025	0.0182963	0.28371	0.0203424	0.266588	0.0196831
16.4675	0.278834	0.0181147	0.27891	0.0202715	0.265097	0.0194404
16.4775	0.276475	0.0181497	0.280019	0.0207455	0.264326	0.0202031
16.4875	0.279724	0.0171204	0.285212	0.0185039	0.26562	0.0214943

16.4975	0.275766	0.0190212	0.282174	0.0233243	0.264341	0.0195286
16.5075	0.272975	0.0178642	0.282531	0.0185154	0.263633	0.019585
16.5175	0.276513	0.0182184	0.277766	0.0186296	0.265137	0.0215771
16.5275	0.275495	0.0192233	0.282243	0.0170226	0.260997	0.0202336
16.5375	0.275396	0.0177811	0.280307	0.0220708	0.265739	0.0191316
16.5475	0.278736	0.0211859	0.281353	0.019731	0.267763	0.0203208
16.5575	0.27438	0.0186839	0.281475	0.0192825	0.263138	0.0201757
16.5675	0.273774	0.0185012	0.28174	0.0201559	0.262779	0.018917
16.5775	0.278223	0.0166068	0.279493	0.0219258	0.26303	0.0226158
16.5875	0.270088	0.0167298	0.279453	0.0190862	0.263182	0.0212646
16.5975	0.272405	0.019025	0.27898	0.0182241	0.263594	0.0191047
16.6075	0.275605	0.0205178	0.275827	0.0197037	0.258318	0.0202088
16.6175	0.27301	0.018344	0.276743	0.0183233	0.26421	0.0209325
16.6275	0.272541	0.0190935	0.277847	0.0186473	0.259943	0.0173218
16.6375	0.275776	0.0174907	0.273705	0.0212396	0.258848	0.0201796
16.6475	0.274754	0.0176322	0.276014	0.0188749	0.262863	0.0191487
16.6575	0.271479	0.0176345	0.276592	0.0175401	0.26078	0.0183288
16.6675	0.271407	0.0172081	0.274796	0.0159544	0.260256	0.0193598
16.6775	0.274621	0.0210569	0.27436	0.0213793	0.258437	0.0180009
16.6875	0.27059	0.0192708	0.272056	0.0187968	0.256874	0.0193177
16.6975	0.27091	0.0199787	0.272019	0.0197834	0.257523	0.0199796
16.7075	0.270245	0.0180874	0.272326	0.0166853	0.258442	0.0189664
16.7175	0.267723	0.0208757	0.27374	0.0204055	0.257504	0.0191558
16.7275	0.26813	0.01888	0.271149	0.0166357	0.254604	0.0193902
16.7375	0.267232	0.0174678	0.267906	0.0181	0.255168	0.0179771
16.7475	0.268978	0.0194051	0.269848	0.019048	0.256429	0.0168498
16.7575	0.266732	0.0189014	0.267216	0.0173224	0.256538	0.0183219
16.7675	0.26648	0.0191945	0.264543	0.018333	0.250527	0.0177094
16.7775	0.2657	0.017461	0.268908	0.0182031	0.251633	0.0194704
16.7875	0.263464	0.0176161	0.261553	0.0178552	0.249539	0.0180146
16.7975	0.260815	0.0181135	0.265082	0.017069	0.25062	0.0193116
16.8075	0.263617	0.0185805	0.262983	0.0186789	0.249421	0.0166931
16.8175	0.26448	0.0185879	0.263612	0.0188748	0.252658	0.0173382
16.8275	0.262585	0.0179445	0.259642	0.0139873	0.250234	0.0202801
16.8375	0.258285	0.0191066	0.256972	0.0188298	0.25022	0.0195479
16.8475	0.262025	0.0188291	0.25934	0.0191473	0.250896	0.0171231
16.8575	0.260125	0.0144454	0.261762	0.016828	0.245854	0.0176492
16.8675	0.261471	0.0172875	0.257621	0.0191314	0.246022	0.0182986
16.8775	0.258359	0.0195811	0.254833	0.0195248	0.245749	0.0181568
16.8875	0.260711	0.0196244	0.254523	0.0172509	0.246011	0.0184547
16.8975	0.255388	0.0166953	0.254469	0.0207757	0.249692	0.0186865
16.9075	0.251277	0.0187212	0.259621	0.0191631	0.246874	0.0162025
16.9175	0.255408	0.0172576	0.255953	0.0160439	0.243325	0.0164336
16.9275	0.255134	0.0159702	0.255817	0.0173838	0.244615	0.0176519
16.9375	0.253229	0.0199265	0.255291	0.0176212	0.239507	0.0194591
16.9475	0.253832	0.0178775	0.254854	0.0169945	0.243179	0.0186704
16.9575	0.251576	0.0173378	0.258764	0.0182878	0.24234	0.0191875

16.9675	0.253737	0.0185062	0.255927	0.0198262	0.242637	0.0190396
16.9775	0.25082	0.0183549	0.251626	0.0164246	0.241708	0.0183037
16.9875	0.252201	0.0184409	0.253477	0.0185888	0.241415	0.0181092
16.9975	0.250263	0.0184415	0.250666	0.0159346	0.242437	0.0181385
17.0075	0.252235	0.016562	0.249154	0.01572	0.243015	0.0180195
17.0175	0.250198	0.0157392	0.25263	0.01769	0.244505	0.0163521
17.0275	0.252162	0.0173244	0.252144	0.0182581	0.239748	0.0182511
17.0375	0.248333	0.0189152	0.252497	0.018793	0.239784	0.0170979
17.0475	0.246183	0.0163501	0.252767	0.0186461	0.236673	0.0170627
17.0575	0.250339	0.0171161	0.250732	0.0197785	0.238332	0.018977
17.0675	0.248383	0.0168454	0.250084	0.0175716	0.238036	0.0166722
17.0775	0.248798	0.0168981	0.251012	0.0192224	0.23576	0.0164082
17.0875	0.246179	0.0192742	0.248254	0.0193326	0.237939	0.0161793
17.0975	0.247517	0.0185762	0.249015	0.0183449	0.239181	0.0164302
17.1075	0.244862	0.017791	0.251157	0.0157159	0.237514	0.0174949
17.1175	0.248798	0.0188493	0.245753	0.0182423	0.237198	0.0189722
17.1275	0.245642	0.0173775	0.250536	0.0161765	0.237761	0.0161223
17.1375	0.244369	0.0167314	0.246709	0.0171606	0.237613	0.0187071
17.1475	0.242935	0.0179341	0.243188	0.0185058	0.238723	0.0178904
17.1575	0.24607	0.0175682	0.246467	0.0165349	0.232832	0.0173411
17.1675	0.245277	0.0172887	0.244092	0.0170499	0.235795	0.0157737
17.1775	0.241965	0.0188596	0.24339	0.0157027	0.238777	0.0162657
17.1875	0.24284	0.0146972	0.244233	0.0193572	0.237671	0.0178286
17.1975	0.24337	0.0177641	0.2404	0.0190156	0.235673	0.0171613
17.2075	0.244849	0.0164791	0.245812	0.0196436	0.235341	0.0161116
17.2175	0.241748	0.0164307	0.24295	0.0166081	0.235538	0.0157746
17.2275	0.240888	0.0165795	0.244935	0.0195375	0.233166	0.0156188
17.2375	0.243218	0.01811	0.242443	0.0211288	0.233829	0.0157984
17.2475	0.245335	0.0171753	0.245198	0.0179103	0.235667	0.016331
17.2575	0.24395	0.0161155	0.242851	0.018417	0.235511	0.0173542
17.2675	0.244399	0.0190538	0.246586	0.0176636	0.236596	0.0164843
17.2775	0.248472	0.0177925	0.241588	0.0188011	0.23405	0.0161389
17.2875	0.244531	0.0161003	0.245708	0.0166466	0.236786	0.0188483
17.2975	0.251701	0.015794	0.241248	0.0167676	0.236137	0.0173306
17.3075	0.247742	0.0173965	0.241456	0.0179354	0.234176	0.0153612
17.3175	0.250585	0.016494	0.242635	0.0184367	0.242586	0.0161757
17.3275	0.248787	0.0203925	0.245018	0.0181911	0.23988	0.0189996
17.3375	0.253402	0.0185511	0.244353	0.0189912	0.237018	0.0174323
17.3475	0.251198	0.0165877	0.245648	0.0161904	0.238132	0.0157986
17.3575	0.254509	0.0180576	0.243899	0.0186123	0.238419	0.0174616
17.3675	0.255121	0.0183877	0.244203	0.0171037	0.237986	0.018557
17.3775	0.257471	0.0160632	0.245339	0.018494	0.237542	0.0162574
17.3875	0.26038	0.018929	0.243386	0.0161591	0.240726	0.0187539
17.3975	0.260333	0.0168728	0.246378	0.0190773	0.243892	0.0197907
17.4075	0.261386	0.0178182	0.24614	0.0190306	0.244554	0.0179031
17.4175	0.264474	0.0185444	0.250696	0.0177116	0.241213	0.0176892
17.4275	0.263284	0.015427	0.248553	0.0174447	0.240813	0.0165581

17.4375	0.266036	0.0171004	0.248295	0.0187373	0.242234	0.0171402
17.4475	0.265061	0.0161018	0.251876	0.0184031	0.242837	0.0184437
17.4575	0.269188	0.0156663	0.250976	0.0211519	0.246763	0.0195768
17.4675	0.270186	0.016168	0.249591	0.0201695	0.24787	0.0197276
17.4775	0.264925	0.0169838	0.253702	0.02187	0.249188	0.0172015
17.4875	0.269222	0.0181633	0.256938	0.0245898	0.250576	0.0171961
17.4975	0.271085	0.0186603	0.259336	0.0273502	0.251423	0.0243994
17.5075	0.269683	0.0182795	0.262904	0.0262665	0.24977	0.0210116
17.5175	0.272418	0.0178561	0.264436	0.0309274	0.254165	0.0210417
17.5275	0.268333	0.0203584	0.266152	0.0312646	0.254255	0.0278768
17.5375	0.272023	0.0175437	0.271671	0.0361893	0.253983	0.0252949
17.5475	0.272079	0.0150152	0.273762	0.035729	0.25725	0.029535
17.5575	0.272492	0.0188677	0.278085	0.0398315	0.256698	0.0292488
17.5675	0.273077	0.0201227	0.2807	0.0460029	0.261402	0.0349717
17.5775	0.272952	0.0168184	0.285331	0.0507624	0.264214	0.0348256
17.5875	0.275241	0.0199584	0.285144	0.0460808	0.267708	0.0374605
17.5975	0.27586	0.0202369	0.287502	0.0538281	0.263582	0.0427778
17.6075	0.273536	0.0178405	0.292794	0.0558113	0.26704	0.0381937
17.6175	0.274735	0.0186372	0.292363	0.0569126	0.271835	0.0442068
17.6275	0.276783	0.0206846	0.297167	0.0583316	0.2682	0.0410723
17.6375	0.274297	0.0206853	0.29752	0.0581216	0.273495	0.0447656
17.6475	0.279518	0.0197335	0.297976	0.0616872	0.273097	0.0497677
17.6575	0.276786	0.0188718	0.296209	0.0556286	0.27352	0.0507327
17.6675	0.277788	0.0185444	0.296191	0.0573186	0.273624	0.0486682
17.6775	0.278992	0.0206119	0.294753	0.0559202	0.274011	0.0465408
17.6875	0.278828	0.0222376	0.294553	0.0548603	0.274752	0.0434125
17.6975	0.279179	0.0225066	0.28969	0.0523578	0.270779	0.0452861
17.7075	0.276601	0.018628	0.288545	0.0540521	0.268448	0.0438246
17.7175	0.27575	0.0226587	0.284338	0.0427906	0.269673	0.0437126
17.7275	0.276248	0.0206199	0.282152	0.0432108	0.266944	0.0441927
17.7375	0.273389	0.0222955	0.282593	0.0426949	0.261681	0.0361481
17.7475	0.272596	0.018775	0.277103	0.0368849	0.264539	0.0344771
17.7575	0.273246	0.0173699	0.276696	0.0347175	0.259141	0.030444
17.7675	0.270418	0.0189816	0.270198	0.0344871	0.258072	0.0289906
17.7775	0.267637	0.0183061	0.267827	0.0299871	0.258724	0.0278137
17.7875	0.268044	0.0171841	0.264298	0.0267568	0.255849	0.0246546
17.7975	0.26181	0.0184847	0.263022	0.0203076	0.256302	0.0229858
17.8075	0.261985	0.0165641	0.264674	0.0285071	0.253083	0.0230757
17.8175	0.260651	0.0184669	0.25828	0.0259826	0.252727	0.0228459
17.8275	0.260046	0.0194004	0.257025	0.0258312	0.249333	0.0215132
17.8375	0.256722	0.0172398	0.259436	0.0206705	0.249129	0.0222253
17.8475	0.255869	0.0172363	0.260223	0.0216136	0.247901	0.0179839
17.8575	0.257138	0.0153677	0.255018	0.0192317	0.248411	0.0188751
17.8675	0.25638	0.0160291	0.258506	0.0201254	0.249883	0.0202048
17.8775	0.25193	0.0173411	0.256093	0.0225977	0.248581	0.0191713
17.8875	0.256194	0.0166316	0.258519	0.0209203	0.246777	0.0171828
17.8975	0.253097	0.0157328	0.259496	0.0202734	0.247799	0.0203721

17.9075	0.25253	0.0140847	0.258042	0.0179188	0.253162	0.0200381
17.9175	0.252842	0.0185177	0.256938	0.0207854	0.249834	0.0184587
17.9275	0.251364	0.016855	0.25928	0.0185865	0.252	0.019629
17.9375	0.25166	0.0165771	0.256499	0.0198784	0.254838	0.0194168
17.9475	0.254467	0.0180761	0.257897	0.0220805	0.252736	0.0181266
17.9575	0.254023	0.0179324	0.262401	0.0201736	0.253414	0.0173715
17.9675	0.254194	0.019193	0.264948	0.0210397	0.256569	0.0159319
17.9775	0.259564	0.0175618	0.264288	0.0201455	0.253597	0.0185122
17.9875	0.256015	0.0161721	0.26276	0.0214153	0.25507	0.018051
17.9975	0.258853	0.0189544	0.263395	0.0180765	0.258486	0.0175191
18.0075	0.259444	0.0184899	0.263164	0.0206395	0.25937	0.0186358
18.0175	0.257777	0.0184719	0.262875	0.0194685	0.259171	0.018588
18.0275	0.26104	0.0183429	0.265709	0.0207507	0.256398	0.0160258
18.0375	0.26081	0.0177438	0.262499	0.0218533	0.260004	0.0169288
18.0475	0.259208	0.0158155	0.265906	0.0200015	0.259953	0.0166501
18.0575	0.260294	0.0190759	0.261518	0.0177527	0.260744	0.0172673
18.0675	0.264389	0.0179629	0.266726	0.0190402	0.262862	0.0179121
18.0775	0.2628	0.0175158	0.263682	0.016653	0.260582	0.0165388
18.0875	0.26572	0.0171709	0.270858	0.0211414	0.263618	0.0185741
18.0975	0.264778	0.0174317	0.262907	0.0178867	0.264926	0.0179217
18.1075	0.26397	0.0175825	0.266523	0.0172733	0.265866	0.0196901
18.1175	0.260577	0.0212816	0.269926	0.0176993	0.268522	0.0193392
18.1275	0.267823	0.0161561	0.272616	0.016036	0.267088	0.0154521
18.1375	0.262968	0.0184593	0.272753	0.0207217	0.267782	0.0148024
18.1475	0.267284	0.0166537	0.272183	0.020266	0.269197	0.0149537
18.1575	0.26707	0.0168649	0.267661	0.019153	0.272532	0.0162431
18.1675	0.267706	0.0194294	0.272077	0.0200931	0.276615	0.0181326
18.1775	0.26966	0.0180125	0.274891	0.0171567	0.276069	0.017438
18.1875	0.273393	0.0204116	0.279252	0.0166218	0.279294	0.0173519
18.1975	0.274191	0.0159811	0.279049	0.0176389	0.282126	0.01853
18.2075	0.273858	0.0193191	0.281185	0.016848	0.281706	0.0203905
18.2175	0.276794	0.0185127	0.286127	0.0191207	0.282959	0.018032
18.2275	0.281261	0.0167372	0.286431	0.0196072	0.285655	0.0161878
18.2375	0.278367	0.0191581	0.288082	0.0178089	0.288771	0.0188187
18.2475	0.279184	0.0202427	0.287924	0.019786	0.287944	0.0174533
18.2575	0.284049	0.0197917	0.294331	0.018232	0.291616	0.0153661
18.2675	0.285574	0.0161547	0.292465	0.0202982	0.296033	0.0159315
18.2775	0.28643	0.0177672	0.298199	0.0213313	0.300076	0.0178986
18.2875	0.290679	0.020414	0.297666	0.0172721	0.303302	0.016682
18.2975	0.292335	0.0172856	0.305812	0.0175594	0.307178	0.019155
18.3075	0.294282	0.0186582	0.304537	0.0215103	0.304274	0.0169339
18.3175	0.296219	0.0168618	0.309043	0.0203873	0.310963	0.0183815
18.3275	0.301632	0.0181762	0.313961	0.0207339	0.31477	0.01669
18.3375	0.30305	0.018437	0.315731	0.0216027	0.321998	0.0174633
18.3475	0.30395	0.0178127	0.320603	0.0206323	0.324127	0.017991
18.3575	0.311339	0.0208725	0.32637	0.0209001	0.327939	0.0186184
18.3675	0.31543	0.0200214	0.32793	0.0214138	0.332941	0.0193386

18.3775	0.317584	0.0198961	0.338547	0.0198462	0.339766	0.020786
18.3875	0.323606	0.0208423	0.342107	0.0206525	0.344928	0.0203171
18.3975	0.324457	0.0202624	0.347257	0.0241031	0.350047	0.0199805
18.4075	0.329932	0.0191228	0.350586	0.0200477	0.353144	0.0227172
18.4175	0.335041	0.0182381	0.352348	0.0218484	0.361227	0.0204413
18.4275	0.341768	0.0212092	0.358868	0.0235601	0.369659	0.0242238
18.4375	0.344551	0.0201888	0.375433	0.021285	0.375056	0.0225037
18.4475	0.353472	0.0201962	0.378643	0.0221174	0.382036	0.0210349
18.4575	0.352665	0.0235797	0.387938	0.0237248	0.387188	0.0227757
18.4675	0.36448	0.0211162	0.393936	0.0244788	0.399583	0.0237925
18.4775	0.371339	0.0242087	0.403968	0.0250395	0.404377	0.0232655
18.4875	0.380813	0.0223911	0.412081	0.0259589	0.416547	0.0267917
18.4975	0.382661	0.0187711	0.42232	0.023856	0.425048	0.0250059
18.5075	0.393436	0.0239046	0.428315	0.0254432	0.435774	0.023352
18.5175	0.401305	0.0241008	0.437138	0.023947	0.443917	0.0251415
18.5275	0.408573	0.0217917	0.446825	0.024836	0.456309	0.0275704
18.5375	0.420172	0.0242988	0.462099	0.0269386	0.468448	0.0278098
18.5475	0.426702	0.0209218	0.475945	0.025241	0.474744	0.0284026
18.5575	0.439406	0.0228175	0.486786	0.0272414	0.489408	0.0282222
18.5675	0.450863	0.0245704	0.498307	0.0253549	0.504093	0.0297659
18.5775	0.456183	0.0237982	0.512475	0.0286374	0.515477	0.0277891
18.5875	0.462998	0.0270546	0.525107	0.0293719	0.536056	0.0351426
18.5975	0.485648	0.0250828	0.541323	0.0278211	0.540751	0.0312985
18.6075	0.495529	0.0254152	0.551706	0.0311704	0.561636	0.0297666
18.6175	0.509008	0.0286579	0.571604	0.0271876	0.578276	0.0334122
18.6275	0.520218	0.0218933	0.583349	0.029721	0.586691	0.0308518
18.6375	0.535559	0.023071	0.593224	0.0267812	0.606708	0.033522
18.6475	0.546527	0.0280838	0.610332	0.0310534	0.616479	0.0335625
18.6575	0.568054	0.0296972	0.632127	0.0314885	0.64139	0.0345746
18.6675	0.575083	0.0257379	0.648271	0.0321611	0.657161	0.033012
18.6775	0.595537	0.0271547	0.668289	0.0361441	0.672351	0.0302004
18.6875	0.609098	0.0304522	0.678002	0.0322935	0.687674	0.0316683
18.6975	0.623725	0.0279422	0.696447	0.0309394	0.703614	0.0353478
18.7075	0.638171	0.0337353	0.709609	0.0345598	0.720327	0.0360753
18.7175	0.660012	0.0306748	0.732063	0.0358432	0.736872	0.0350506
18.7275	0.672982	0.0304444	0.742103	0.0322736	0.753241	0.036365
18.7375	0.688379	0.0301698	0.75841	0.0351024	0.774464	0.036437
18.7475	0.704102	0.0328192	0.773305	0.0323087	0.78723	0.0360957
18.7575	0.726738	0.0298096	0.794145	0.0328589	0.799053	0.0357874
18.7675	0.741847	0.0345029	0.809097	0.0355898	0.819161	0.03396
18.7775	0.757964	0.0309693	0.819803	0.0381696	0.834761	0.0361389
18.7875	0.774366	0.0337751	0.835929	0.0328475	0.84547	0.0358657
18.7975	0.791914	0.0291513	0.85193	0.0380855	0.861046	0.0327489
18.8075	0.804027	0.0320038	0.86134	0.0409057	0.875645	0.0417309
18.8175	0.81997	0.0325123	0.874661	0.0362814	0.883149	0.035616
18.8275	0.83435	0.0340404	0.885018	0.0347895	0.895407	0.0389376
18.8375	0.847254	0.0328603	0.899876	0.0332706	0.909722	0.0369177

18.8475	0.862337	0.0320948	0.905111	0.0371115	0.915498	0.0345665
18.8575	0.868985	0.0335666	0.912243	0.0357589	0.919283	0.0355757
18.8675	0.882648	0.0349603	0.921195	0.0323046	0.926712	0.0324203
18.8775	0.895289	0.0379314	0.934279	0.0350611	0.934186	0.0343779
18.8875	0.905749	0.0367872	0.937306	0.0408167	0.947553	0.0321104
18.8975	0.919232	0.0347055	0.946588	0.0351085	0.944817	0.0329004
18.9075	0.924253	0.0358568	0.947426	0.0339745	0.946633	0.0340939
18.9175	0.929925	0.0336909	0.949931	0.0308295	0.950912	0.0322898
18.9275	0.941367	0.0329471	0.949888	0.032504	0.951428	0.0334766
18.9375	0.942469	0.0338616	0.948018	0.0332003	0.954679	0.0324411
18.9475	0.94801	0.0321909	0.946516	0.0317562	0.952361	0.0338124
18.9575	0.94968	0.0313252	0.94312	0.035416	0.950974	0.0315183
18.9675	0.952063	0.0318176	0.940686	0.037347	0.948333	0.031221
18.9775	0.952144	0.0331186	0.931784	0.0355237	0.939278	0.032468
18.9875	0.957574	0.0311003	0.932727	0.0377672	0.935959	0.0327862
18.9975	0.949064	0.0362144	0.923995	0.0358172	0.92707	0.0311896
19.0075	0.944863	0.0329669	0.919831	0.0385411	0.925973	0.0381388
19.0175	0.942932	0.0371041	0.91002	0.0432724	0.909244	0.0335086
19.0275	0.941305	0.0331101	0.905093	0.0345193	0.899275	0.03713
19.0375	0.932564	0.0342091	0.898884	0.0384595	0.892104	0.0338332
19.0475	0.930594	0.0373838	0.880134	0.0369389	0.879622	0.0377712
19.0575	0.921759	0.0311966	0.867346	0.0364037	0.867273	0.0355267
19.0675	0.907877	0.0322335	0.856797	0.0335239	0.856038	0.0331591
19.0775	0.904354	0.0328562	0.843478	0.038625	0.837394	0.0339144
19.0875	0.890122	0.0360877	0.824613	0.0368731	0.826925	0.0362075
19.0975	0.874546	0.030224	0.806918	0.0368217	0.811041	0.0342638
19.1075	0.86703	0.0354925	0.789601	0.0360009	0.794372	0.0332137
19.1175	0.85443	0.0352335	0.775499	0.0358503	0.778059	0.030962
19.1275	0.836238	0.0330711	0.763255	0.0397472	0.759302	0.0338154
19.1375	0.8272	0.0375257	0.746332	0.0406385	0.752894	0.0363022
19.1475	0.803607	0.0363529	0.724266	0.0330587	0.729429	0.0310926
19.1575	0.794543	0.0319183	0.7144	0.0421435	0.714701	0.0350432
19.1675	0.776672	0.0333931	0.694542	0.0290914	0.699382	0.0312481
19.1775	0.765008	0.0319487	0.679668	0.0380647	0.687349	0.0295751
19.1875	0.748319	0.0293689	0.663282	0.0341255	0.660235	0.0311398
19.1975	0.729744	0.0330401	0.645623	0.0352189	0.642892	0.032066
19.2075	0.715653	0.0315018	0.626683	0.0281225	0.626856	0.0311552
19.2175	0.692569	0.0317647	0.608981	0.0301881	0.611007	0.0288269
19.2275	0.679185	0.0299296	0.59205	0.0280159	0.594979	0.0290829
19.2375	0.657527	0.0300427	0.581046	0.0295865	0.584797	0.0276759
19.2475	0.640206	0.0309407	0.562063	0.0302897	0.564915	0.0306903
19.2575	0.626307	0.0306608	0.548887	0.0297791	0.550237	0.026336
19.2675	0.604382	0.0296758	0.530054	0.0281056	0.529508	0.0256862
19.2775	0.592543	0.0282188	0.511307	0.0289015	0.514048	0.0282603
19.2875	0.578072	0.024166	0.499184	0.0303214	0.505493	0.0286084
19.2975	0.560907	0.0272482	0.489019	0.0282963	0.48538	0.0281426
19.3075	0.538438	0.0260162	0.471776	0.0262476	0.473565	0.0245517

19.3175	0.524776	0.0268587	0.459101	0.027717	0.46124	0.0237576
19.3275	0.517941	0.0256303	0.448518	0.0286429	0.449701	0.0217731
19.3375	0.501592	0.0256583	0.428277	0.02496	0.43661	0.0240582
19.3475	0.486873	0.0260891	0.419576	0.0235144	0.422866	0.0223624
19.3575	0.471363	0.0241216	0.407417	0.0244272	0.410387	0.0261088
19.3675	0.457524	0.0231399	0.398759	0.0236621	0.398193	0.0196217
19.3775	0.446745	0.0241334	0.385402	0.0238311	0.388615	0.0205791
19.3875	0.433418	0.0235357	0.379797	0.0248996	0.379925	0.0253105
19.3975	0.420438	0.0228985	0.364487	0.023989	0.370148	0.022503
19.4075	0.406374	0.021046	0.359333	0.0216985	0.356049	0.022674
19.4175	0.400399	0.0206125	0.348855	0.0195737	0.351511	0.0185876
19.4275	0.385986	0.0203909	0.340866	0.0229449	0.343862	0.0206988
19.4375	0.377226	0.0222745	0.333556	0.0203045	0.333394	0.0196465
19.4475	0.366236	0.0199678	0.326132	0.0213912	0.325944	0.0194362
19.4575	0.354345	0.0215396	0.316926	0.0218532	0.32229	0.0174591
19.4675	0.349933	0.0202995	0.311764	0.0217604	0.312934	0.0202012
19.4775	0.342522	0.0216696	0.303976	0.0181613	0.305201	0.0184758
19.4875	0.334522	0.0215778	0.294945	0.018063	0.297794	0.0185148
19.4975	0.32755	0.0175116	0.288358	0.018471	0.293052	0.0207075
19.5075	0.320271	0.0183193	0.282079	0.0209026	0.284759	0.0184664
19.5175	0.314313	0.0221443	0.275438	0.0206388	0.281578	0.016365
19.5275	0.308454	0.0197268	0.26943	0.0196856	0.27645	0.0168276
19.5375	0.301727	0.0204653	0.266514	0.0190602	0.273012	0.0175268
19.5475	0.29482	0.0213855	0.262963	0.0181867	0.262176	0.0188625
19.5575	0.284115	0.0200834	0.253669	0.0187718	0.258625	0.0172276
19.5675	0.280483	0.0184968	0.252719	0.0185582	0.259607	0.0158132
19.5775	0.27801	0.018749	0.248218	0.0200148	0.251392	0.0176492
19.5875	0.274918	0.0191295	0.245892	0.0158811	0.246639	0.0179015
19.5975	0.26666	0.0180222	0.235986	0.0184067	0.239329	0.016353
19.6075	0.259435	0.0175437	0.232175	0.0174518	0.239818	0.0177022
19.6175	0.25587	0.0187507	0.226715	0.0209486	0.230979	0.0155652
19.6275	0.2538	0.0176923	0.223359	0.0175424	0.229139	0.0164706
19.6375	0.249384	0.0176907	0.217733	0.0188704	0.226301	0.0158485
19.6475	0.245456	0.017904	0.21666	0.0174279	0.220225	0.0178263
19.6575	0.236585	0.0156496	0.215838	0.0174004	0.214537	0.0151276
19.6675	0.235356	0.016743	0.21083	0.0169453	0.213535	0.013483
19.6775	0.232027	0.0152417	0.203139	0.0150832	0.210947	0.0170592
19.6875	0.225827	0.0165537	0.20088	0.0153669	0.208083	0.0134802
19.6975	0.223737	0.0163743	0.199354	0.0154029	0.203467	0.0144075
19.7075	0.221912	0.0164414	0.197524	0.0147745	0.203587	0.0144466
19.7175	0.216525	0.0159137	0.193407	0.0165813	0.195709	0.0145531
19.7275	0.210488	0.0178211	0.192283	0.0176808	0.193387	0.0166121
19.7375	0.208535	0.0166064	0.188384	0.014652	0.192492	0.0138715
19.7475	0.203446	0.0152211	0.189115	0.0151267	0.188954	0.0135774
19.7575	0.201608	0.0151921	0.184131	0.015075	0.185262	0.0164582
19.7675	0.199719	0.0157982	0.182569	0.0139762	0.18552	0.0151137
19.7775	0.19572	0.0177744	0.183478	0.0146893	0.183458	0.0143645

19.7875	0.191818	0.0156358	0.181591	0.0156954	0.179193	0.012729
19.7975	0.189998	0.0139165	0.18197	0.0152223	0.182785	0.014771
19.8075	0.187323	0.0151794	0.182621	0.0149825	0.181447	0.0139461
19.8175	0.184155	0.0158608	0.182417	0.0154485	0.177664	0.0137121
19.8275	0.183555	0.0153431	0.186847	0.014583	0.179449	0.0139403
19.8375	0.180965	0.0140269	0.189429	0.0167989	0.183752	0.0144556
19.8475	0.180618	0.0148848	0.193823	0.0158109	0.185224	0.0150025
19.8575	0.181934	0.0145241	0.200594	0.0181556	0.186452	0.014336
19.8675	0.18196	0.0147546	0.205841	0.0173435	0.19279	0.0125003
19.8775	0.18215	0.0134437	0.216244	0.0187776	0.197839	0.014826
19.8875	0.180451	0.0149408	0.228088	0.0198591	0.206689	0.0148665
19.8975	0.189199	0.015301	0.237817	0.0181383	0.215718	0.0145132
19.9075	0.188957	0.0163423	0.253541	0.020972	0.22189	0.0170258
19.9175	0.195381	0.0160969	0.268447	0.0224744	0.232376	0.0165351
19.9275	0.201365	0.0142936	0.284779	0.0247721	0.244391	0.0177372
19.9375	0.207181	0.0162529	0.300085	0.0262182	0.258387	0.0190619
19.9475	0.216736	0.0174832	0.320966	0.0285481	0.271477	0.0194325
19.9575	0.228366	0.0164258	0.340276	0.0251458	0.287659	0.0190354
19.9675	0.238289	0.0155957	0.362399	0.0284755	0.307134	0.020119
19.9775	0.251984	0.0163113	0.387676	0.0282903	0.323293	0.021724
19.9875	0.26534	0.0188538	0.410591	0.0248526	0.343705	0.0215427
19.9975	0.28371	0.0188838	0.436411	0.0305389	0.36314	0.022538
20.0075	0.294586	0.0188272	0.456421	0.0291408	0.382292	0.0224829
20.0175	0.319437	0.018088	0.484313	0.032105	0.402838	0.0264917
20.0275	0.338537	0.0225497	0.513053	0.0322004	0.426015	0.0266635
20.0375	0.355482	0.0224685	0.535818	0.0327591	0.452322	0.0288525
20.0475	0.377965	0.0243084	0.55767	0.0351492	0.46908	0.0316081
20.0575	0.400201	0.0220919	0.591507	0.032148	0.491921	0.0280167
20.0675	0.421687	0.0238763	0.60986	0.0305142	0.512421	0.0327746
20.0775	0.444281	0.0219224	0.63263	0.0348755	0.532925	0.0317783
20.0875	0.467722	0.0245059	0.650207	0.0311597	0.558993	0.0370442
20.0975	0.494119	0.0249321	0.668532	0.0372727	0.570334	0.0372032
20.1075	0.516443	0.0291244	0.681405	0.034093	0.590785	0.0381828
20.1175	0.533544	0.0318346	0.70347	0.0368049	0.608048	0.0382929
20.1275	0.558379	0.0305952	0.715435	0.0354656	0.621104	0.0384145
20.1375	0.580439	0.0310786	0.71758	0.0395318	0.632297	0.040871
20.1475	0.597018	0.0269504	0.717644	0.0328802	0.640968	0.0432554
20.1575	0.618497	0.0291064	0.727816	0.0377658	0.650885	0.0398684
20.1675	0.627718	0.0373341	0.724348	0.0378073	0.649187	0.039478
20.1775	0.641904	0.0330361	0.722466	0.0384364	0.651132	0.0409538
20.1875	0.659446	0.0268922	0.710774	0.0392193	0.647807	0.044272
20.1975	0.666842	0.0348913	0.696203	0.0399185	0.639244	0.0409156
20.2075	0.67368	0.0341852	0.673327	0.0421012	0.629655	0.0422976
20.2175	0.673022	0.0319059	0.648753	0.0410327	0.620192	0.0388846
20.2275	0.681074	0.0313422	0.630097	0.0410441	0.598098	0.0384577
20.2375	0.673647	0.0291072	0.600643	0.0397667	0.585361	0.0384458
20.2475	0.668863	0.0317004	0.573446	0.0426648	0.56259	0.0386043

20.2575	0.652472	0.0328442	0.542058	0.0408265	0.535512	0.0353717
20.2675	0.643658	0.032891	0.507422	0.04079	0.509813	0.0344534
20.2775	0.623564	0.0313412	0.472346	0.0370164	0.486124	0.0315036
20.2875	0.60136	0.0322646	0.438392	0.038913	0.455518	0.0303839
20.2975	0.577415	0.0284584	0.415584	0.0367744	0.428945	0.0307256
20.3075	0.550888	0.029599	0.374872	0.0336397	0.398588	0.0274788
20.3175	0.525711	0.0311199	0.347304	0.0328179	0.371669	0.0272935
20.3275	0.496239	0.0276417	0.317823	0.029644	0.337689	0.027176
20.3375	0.466139	0.0273015	0.289516	0.0286613	0.311675	0.0236603
20.3475	0.438778	0.0283153	0.266961	0.0239308	0.285018	0.0198861
20.3575	0.407563	0.0260279	0.241822	0.0246211	0.266023	0.0214183
20.3675	0.374275	0.024223	0.225545	0.0232472	0.243499	0.0191474
20.3775	0.349797	0.022847	0.205211	0.0210194	0.223356	0.0180675
20.3875	0.31696	0.0219988	0.190432	0.0221605	0.204198	0.0165257
20.3975	0.290021	0.0196725	0.174163	0.0179884	0.190511	0.0154596
20.4075	0.269029	0.0203919	0.166231	0.0170722	0.177627	0.0157573
20.4175	0.243662	0.0194782	0.156724	0.0163025	0.164859	0.0144644
20.4275	0.223648	0.0178391	0.145065	0.0158407	0.156285	0.0107867
20.4375	0.204944	0.0157132	0.13572	0.0131071	0.147937	0.0145317
20.4475	0.190375	0.0168543	0.133422	0.0153075	0.143347	0.0148275
20.4575	0.179065	0.014269	0.131169	0.0117807	0.13402	0.0130246
20.4675	0.167538	0.0162902	0.125247	0.0135939	0.131407	0.0121706
20.4775	0.155108	0.0149344	0.123376	0.0115259	0.124555	0.0113384
20.4875	0.145586	0.0130904	0.12382	0.0137757	0.123274	0.0117624
20.4975	0.138404	0.0135742	0.120288	0.0132546	0.1219	0.0105041
20.5075	0.134469	0.0124334	0.11747	0.0135432	0.120956	0.012212
20.5175	0.131606	0.0121796	0.117551	0.012753	0.117721	0.0129805
20.5275	0.126221	0.0123359	0.117847	0.0118932	0.118663	0.0125364
20.5375	0.12364	0.0121458	0.116618	0.0116717	0.117865	0.0126014
20.5475	0.121612	0.0115305	0.115636	0.0119658	0.117917	0.0123839
20.5575	0.119769	0.011008	0.117639	0.0107455	0.118712	0.0137347
20.5675	0.118709	0.0124789	0.117085	0.0108681	0.115908	0.0101961
20.5775	0.118079	0.0115739	0.114105	0.0108523	0.117957	0.0118236
20.5875	0.118041	0.0110098	0.114849	0.0104763	0.1185	0.0101914
20.5975	0.115967	0.011626	0.115836	0.0121939	0.116052	0.0115851
20.6075	0.116969	0.0113237	0.113722	0.0116853	0.118192	0.0113784
20.6175	0.115505	0.010976	0.114822	0.010374	0.120984	0.0120393
20.6275	0.118359	0.0117918	0.115646	0.0117192	0.11864	0.011067
20.6375	0.115595	0.0116338	0.117103	0.0130523	0.118178	0.0120945
20.6475	0.116104	0.0130696	0.119069	0.0138731	0.120591	0.0143499
20.6575	0.118011	0.0113157	0.120199	0.0128409	0.12236	0.0136016
20.6675	0.117866	0.0119834	0.119111	0.0132071	0.120401	0.0123274
20.6775	0.118209	0.0144115	0.121691	0.0117666	0.120512	0.0125852
20.6875	0.118133	0.011512	0.121438	0.0124564	0.123757	0.0125533
20.6975	0.11864	0.0109563	0.120472	0.0119712	0.124555	0.012512
20.7075	0.118259	0.0127835	0.123508	0.0113906	0.124884	0.0132757
20.7175	0.120684	0.0102706	0.123513	0.012811	0.123596	0.012203

20.7275	0.118631	0.011741	0.122346	0.0118668	0.126703	0.0129907
20.7375	0.118144	0.010767	0.123104	0.013198	0.127316	0.0139152
20.7475	0.119716	0.0113733	0.12642	0.0141945	0.127875	0.0125254
20.7575	0.121788	0.0131854	0.126912	0.0122759	0.130735	0.0129991
20.7675	0.121323	0.0113461	0.127899	0.0144837	0.131744	0.0147225
20.7775	0.123991	0.0125657	0.130617	0.0120501	0.130555	0.0144173
20.7875	0.122118	0.0129542	0.127728	0.012098	0.132474	0.014708
20.7975	0.1258	0.0129092	0.1312	0.0137313	0.134877	0.0134656
20.8075	0.124928	0.0116019	0.133537	0.0119806	0.138352	0.0140852
20.8175	0.126647	0.0130767	0.133322	0.0132387	0.138561	0.0138619
20.8275	0.128221	0.0120344	0.133736	0.0127696	0.141101	0.0139103
20.8375	0.133423	0.0118589	0.135134	0.0132912	0.141917	0.0145221
20.8475	0.129537	0.00973234	0.138037	0.0141632	0.143592	0.016081
20.8575	0.131546	0.0116686	0.141896	0.0131597	0.145366	0.0153376
20.8675	0.13334	0.012376	0.141816	0.0115275	0.146359	0.0151564
20.8775	0.135749	0.0130146	0.143941	0.0145237	0.148408	0.0157669
20.8875	0.134915	0.0122776	0.1446	0.0131884	0.146793	0.0155792
20.8975	0.137328	0.0121952	0.148357	0.0136347	0.149933	0.0155658
20.9075	0.139437	0.0130133	0.148216	0.0115203	0.154151	0.014014
20.9175	0.142181	0.0137032	0.149508	0.0148422	0.154449	0.0146238
20.9275	0.143403	0.0143722	0.149071	0.014	0.156588	0.0159087
20.9375	0.142513	0.0148248	0.153573	0.0124852	0.153492	0.0158284
20.9475	0.146523	0.0138526	0.155321	0.0126501	0.158878	0.0152746
20.9575	0.145696	0.0127689	0.15843	0.013723	0.159346	0.0145742
20.9675	0.147725	0.0128134	0.154231	0.013994	0.163308	0.0176479
20.9775	0.153466	0.0140714	0.158379	0.0134817	0.16256	0.0164706
20.9875	0.15287	0.013607	0.160056	0.0133428	0.165764	0.0162785
20.9975	0.152387	0.0139763	0.164337	0.0153696	0.164902	0.0150312

SB >400µm		SB X1		SB SNF		SB SF	
mean	std	mean	std	mean	std	mean	
0.301405	0.106735	0.308687	0.11143	0.207508	0.0201546	2.26705	
0.304656	0.110732	0.310137	0.108058	0.206511	0.0142846	2.22612	
0.303527	0.112638	0.315931	0.113678	0.210907	0.0169403	2.22689	
0.302083	0.112682	0.308801	0.110392	0.208779	0.015025	2.24404	
0.296841	0.101034	0.302719	0.114408	0.205839	0.01184	2.23019	
0.296671	0.103648	0.306009	0.102969	0.208633	0.0155606	2.24663	
0.298286	0.106989	0.30645	0.112916	0.207516	0.0176179	2.21478	
0.297871	0.103766	0.303618	0.109196	0.202652	0.0127888	2.21132	
0.296421	0.111086	0.304958	0.109611	0.205249	0.0114203	2.20511	
0.29582	0.107633	0.308482	0.111941	0.201042	0.016722	2.22559	
0.295062	0.103503	0.302535	0.107534	0.200532	0.014472	2.22557	
0.295744	0.105704	0.304841	0.103103	0.202207	0.0137443	2.2116	
0.293859	0.102985	0.311067	0.11518	0.206187	0.0165375	2.2145	
0.295007	0.105927	0.301094	0.109106	0.197679	0.0140839	2.20371	
0.292021	0.102103	0.303709	0.108588	0.20063	0.0131395	2.20423	
0.295662	0.109189	0.302503	0.118517	0.198765	0.0144961	2.19836	
0.295325	0.102074	0.306898	0.107371	0.202522	0.0167546	2.24487	
0.29476	0.100578	0.305782	0.114464	0.20357	0.0183039	2.21676	
0.299959	0.105998	0.30831	0.106408	0.208729	0.0180684	2.22763	
0.302645	0.106875	0.30877	0.113979	0.210373	0.0150397	2.23912	
0.303739	0.109545	0.315307	0.121606	0.216098	0.0143232	2.22939	
0.308595	0.109233	0.323118	0.11579	0.216713	0.016274	2.25873	
0.312258	0.105802	0.320944	0.114184	0.224228	0.0167299	2.23157	
0.322832	0.111033	0.327772	0.11891	0.224229	0.0158453	2.2213	
0.325782	0.11318	0.335759	0.120594	0.225353	0.0146191	2.2515	
0.328262	0.113772	0.332906	0.118561	0.227717	0.0187557	2.28104	
0.325031	0.112747	0.32266	0.120953	0.224952	0.0167007	2.24066	
0.324587	0.108909	0.323395	0.117069	0.222697	0.0128967	2.27249	
0.321836	0.111826	0.320343	0.12387	0.222966	0.0160793	2.2444	
0.313619	0.109053	0.321871	0.118168	0.21837	0.0165654	2.20182	
0.305886	0.105725	0.314741	0.119057	0.217483	0.0141103	2.23863	
0.303477	0.107752	0.308351	0.116626	0.211371	0.0145995	2.20453	
0.300926	0.105698	0.309562	0.117825	0.215614	0.0160385	2.20318	
0.298621	0.109518	0.307094	0.112969	0.217671	0.0153202	2.1886	
0.297101	0.102307	0.302818	0.110933	0.215103	0.0140671	2.17309	
0.299734	0.109481	0.307004	0.12029	0.218269	0.0145846	2.19934	
0.305512	0.109454	0.304061	0.1133	0.232976	0.0215142	2.18793	
0.313425	0.11121	0.31698	0.117024	0.254039	0.0216309	2.23924	
0.332374	0.114624	0.334086	0.124367	0.296554	0.0250523	2.2608	
0.36287	0.122626	0.363993	0.134331	0.359281	0.0327462	2.36981	
0.410251	0.136244	0.405212	0.162832	0.466959	0.0449386	2.4847	
0.47964	0.153458	0.458066	0.179872	0.606444	0.0580343	2.69445	
0.561202	0.176729	0.531656	0.202839	0.78837	0.0726182	2.96039	
0.667036	0.205507	0.625153	0.25539	1.0177	0.110837	3.24064	
0.794112	0.246879	0.726693	0.2906	1.275	0.143062	3.61264	

0.922619	0.280766	0.827076	0.338911	1.53985	0.179596	3.94844
1.03754	0.32275	0.92193	0.38439	1.77575	0.20439	4.23805
1.12945	0.351517	0.997562	0.404046	1.95232	0.211892	4.54869
1.18454	0.358708	1.03541	0.433121	2.04788	0.2165	4.64071
1.19075	0.36248	1.03113	0.425199	2.05295	0.230785	4.62252
1.14733	0.355675	0.998692	0.40832	1.95366	0.216282	4.53226
1.06799	0.321039	0.922986	0.371008	1.77308	0.203659	4.24779
0.965371	0.3019	0.826326	0.338303	1.53331	0.166427	3.96532
0.849417	0.262104	0.719981	0.291374	1.28793	0.131374	3.63702
0.727459	0.22456	0.634273	0.25819	1.04649	0.106603	3.26762
0.624678	0.193074	0.552862	0.225438	0.832537	0.0892648	2.98713
0.548433	0.16968	0.495119	0.206384	0.653595	0.0658854	2.73518
0.483809	0.157097	0.441898	0.172671	0.517751	0.0444023	2.54658
0.445515	0.145822	0.41604	0.16779	0.427232	0.0406478	2.4497
0.427175	0.139774	0.410751	0.170068	0.366832	0.0354811	2.36178
0.44238	0.14431	0.429937	0.174395	0.348152	0.0341047	2.35305
0.501028	0.158765	0.492124	0.205547	0.375542	0.033471	2.42599
0.622488	0.197096	0.625702	0.273439	0.448361	0.0410147	2.65436
0.843279	0.269944	0.83627	0.381326	0.602861	0.0603015	3.0602
1.20196	0.390512	1.16679	0.544323	0.851281	0.08076	3.69562
1.73956	0.575867	1.68261	0.824195	1.2178	0.128112	4.66518
2.51414	0.837395	2.38746	1.19222	1.7422	0.190994	6.05742
3.53011	1.17816	3.30963	1.67876	2.4423	0.259821	7.85826
4.78911	1.61949	4.4363	2.26747	3.29573	0.350514	10.0376
6.24112	2.10333	5.72337	2.93666	4.2536	0.476974	12.5634
7.74644	2.62177	7.00565	3.58587	5.24586	0.590371	15.0729
9.18462	3.12504	8.1862	4.20222	6.18516	0.676862	17.5132
10.3506	3.51327	9.1074	4.65871	6.92793	0.755638	19.4821
11.0906	3.79291	9.66204	4.982	7.35558	0.802061	20.7207
11.2946	3.84876	9.73003	5.02615	7.4404	0.817311	20.9289
10.9805	3.75103	9.28289	4.79974	7.17631	0.790804	20.2087
10.1406	3.47394	8.52538	4.43293	6.58509	0.745883	18.7626
8.94618	3.05488	7.44728	3.86628	5.79957	0.651236	16.6874
7.54223	2.56541	6.20425	3.22901	4.82574	0.529498	14.2816
6.10243	2.07587	4.98819	2.58356	3.88855	0.424243	11.831
4.76854	1.62721	3.87888	1.98508	3.03865	0.338053	9.58169
3.62642	1.22655	2.96262	1.51594	2.28861	0.252183	7.653
2.7241	0.914173	2.22124	1.10317	1.7002	0.176317	6.12153
2.05667	0.672769	1.69994	0.822942	1.28203	0.140309	5.01296
1.55113	0.510153	1.29346	0.635097	0.964635	0.0995608	4.15967
1.18906	0.393388	1.0076	0.491736	0.737116	0.0700289	3.53289
0.936346	0.30393	0.804514	0.367258	0.571295	0.0515317	3.11701
0.754374	0.244348	0.653943	0.287976	0.459817	0.0415526	2.79794
0.62588	0.199882	0.545005	0.237343	0.382824	0.0296623	2.56781
0.532416	0.172672	0.467788	0.18772	0.320754	0.0224117	2.4246
0.462496	0.147902	0.416318	0.160499	0.279257	0.0236065	2.32891
0.411787	0.131439	0.375455	0.15611	0.251075	0.0188884	2.22138

0.376857	0.13422	0.365689	0.143013	0.235823	0.0184049	2.16409
0.357537	0.125818	0.353624	0.135396	0.228827	0.0196343	2.12041
0.349063	0.123017	0.351998	0.13518	0.230167	0.0193892	2.12755
0.334676	0.11295	0.36345	0.143291	0.245096	0.0261421	2.12955
0.332745	0.107975	0.367933	0.138046	0.257039	0.0282007	2.16679
0.340259	0.122857	0.377293	0.149385	0.275938	0.0238608	2.17966
0.345259	0.128193	0.380871	0.150545	0.291092	0.0252262	2.26163
0.349321	0.131699	0.396303	0.150479	0.307689	0.0285898	2.30729
0.357671	0.128954	0.400382	0.156765	0.3205	0.0305121	2.34532
0.362179	0.120646	0.403593	0.161035	0.322581	0.0287649	2.37597
0.365242	0.126768	0.394992	0.15717	0.324975	0.028041	2.40083
0.361921	0.129666	0.390673	0.154935	0.315294	0.0264028	2.385
0.353917	0.132698	0.387107	0.152566	0.299061	0.0291838	2.39445
0.343491	0.127873	0.367996	0.147188	0.282108	0.0238274	2.37641
0.335946	0.120959	0.353201	0.134942	0.264062	0.0193023	2.329
0.32734	0.117511	0.338839	0.126049	0.245692	0.0189113	2.30572
0.313841	0.114797	0.324438	0.12248	0.227351	0.0168124	2.25332
0.304222	0.114343	0.322614	0.126107	0.212391	0.0160212	2.24438
0.297066	0.107767	0.316523	0.118459	0.200822	0.0131792	2.20157
0.294331	0.105938	0.308624	0.115244	0.193976	0.013225	2.14537
0.289057	0.102034	0.302599	0.117071	0.185852	0.0131275	2.1195
0.287102	0.102746	0.303824	0.115368	0.182476	0.0134558	2.08954
0.286987	0.103101	0.299923	0.115882	0.182631	0.013154	2.07054
0.290404	0.104406	0.310419	0.119066	0.18193	0.0139612	2.05216
0.299512	0.108599	0.326413	0.126641	0.182409	0.0135025	2.03342
0.312763	0.1109	0.35402	0.135697	0.190295	0.0139952	2.0309
0.337107	0.112017	0.387438	0.151238	0.203176	0.0126854	2.02306
0.374851	0.120356	0.438565	0.179398	0.22129	0.0123775	2.02361
0.435706	0.139439	0.528339	0.216428	0.249639	0.0157115	2.06502
0.525766	0.161611	0.658184	0.27863	0.297006	0.0205493	2.11373
0.644769	0.187185	0.838328	0.352795	0.36308	0.0291593	2.17742
0.80403	0.221655	1.06585	0.4499	0.448346	0.0386632	2.26574
1.00484	0.279961	1.3422	0.586116	0.548835	0.0462272	2.38176
1.24317	0.350487	1.65603	0.738172	0.669816	0.0576188	2.52048
1.50418	0.422499	1.99616	0.884357	0.796993	0.0718903	2.65862
1.76739	0.485598	2.33261	1.04278	0.914228	0.0824123	2.77446
1.99975	0.548513	2.62883	1.19158	1.02309	0.0886223	2.87576
2.18478	0.59709	2.85265	1.29126	1.10644	0.0992407	2.99498
2.30193	0.62716	2.96735	1.33311	1.14736	0.106344	3.06978
2.32455	0.635853	2.96864	1.33483	1.14424	0.107357	3.04752
2.26139	0.621383	2.83253	1.2735	1.10496	0.101203	3.00556
2.11518	0.576291	2.62941	1.1646	1.0296	0.096212	2.89699
1.90413	0.518793	2.33956	1.03089	0.919819	0.0795879	2.77613
1.66039	0.46054	2.00591	0.880313	0.796082	0.0685334	2.65473
1.40368	0.390891	1.66569	0.717452	0.671587	0.0574162	2.48588
1.16	0.320983	1.36255	0.573979	0.558863	0.0425947	2.3481
0.95214	0.267476	1.10761	0.451712	0.459656	0.0328311	2.26231

0.778745	0.223546	0.905387	0.364836	0.380952	0.0256029	2.16465
0.651788	0.193568	0.746742	0.300044	0.325935	0.021689	2.08963
0.559978	0.165415	0.647243	0.246455	0.291486	0.0193821	2.04419
0.501353	0.146831	0.590655	0.222645	0.270325	0.0172872	2.01471
0.469183	0.14056	0.546215	0.199974	0.257542	0.0175151	2.02301
0.450278	0.136382	0.521495	0.191282	0.252011	0.015264	2.00817
0.434556	0.134846	0.510498	0.186851	0.248095	0.0126222	1.99517
0.426725	0.133323	0.500644	0.181503	0.240823	0.015278	2.00217
0.420338	0.134424	0.479409	0.18048	0.237179	0.0147405	2.00935
0.407154	0.13307	0.458802	0.171211	0.235576	0.0154482	2.02089
0.391031	0.1285	0.433704	0.160275	0.22889	0.0146087	2.00782
0.372923	0.124724	0.408099	0.148062	0.216873	0.0140069	1.99593
0.353708	0.116045	0.384644	0.144042	0.208053	0.0115156	2.00099
0.338744	0.112947	0.363698	0.133346	0.198747	0.0106627	2.00007
0.327846	0.113506	0.344482	0.125015	0.195545	0.00993633	2.00998
0.317603	0.107031	0.335581	0.124535	0.193926	0.0113217	2.04297
0.311076	0.100894	0.329372	0.122134	0.194349	0.0120945	2.08797
0.315145	0.102524	0.32409	0.121432	0.203467	0.0136228	2.15856
0.326438	0.110596	0.334488	0.127329	0.215116	0.0150431	2.28644
0.346635	0.118254	0.35587	0.137845	0.233306	0.0175646	2.48138
0.375611	0.121282	0.378907	0.138514	0.262196	0.0194287	2.73297
0.412239	0.126899	0.413405	0.145295	0.298956	0.0199477	3.09541
0.463297	0.13967	0.458681	0.165515	0.346322	0.0236429	3.5966
0.523	0.160167	0.510415	0.180859	0.407298	0.0318296	4.19223
0.588843	0.17355	0.57374	0.202611	0.477706	0.0405266	4.94463
0.66889	0.189289	0.640982	0.23069	0.549335	0.0477551	5.7714
0.753473	0.212831	0.703966	0.251623	0.623658	0.0547991	6.63497
0.831586	0.239769	0.771852	0.271892	0.698599	0.0604395	7.45958
0.903442	0.263303	0.835163	0.295429	0.760895	0.0712701	8.21712
0.957615	0.283234	0.87121	0.309238	0.806209	0.0735183	8.83745
0.98755	0.299085	0.891144	0.310166	0.832373	0.072362	9.19713
0.996762	0.298111	0.891669	0.310804	0.831719	0.074484	9.27493
0.985044	0.289662	0.874711	0.307372	0.812981	0.0703834	9.07119
0.958074	0.279757	0.838683	0.296215	0.778119	0.0643628	8.71355
0.913959	0.264259	0.799337	0.28467	0.726501	0.0595233	8.22988
0.863529	0.248888	0.771613	0.277635	0.675143	0.053512	7.68159
0.824016	0.238193	0.750396	0.271294	0.624499	0.0427745	7.19325
0.79843	0.227209	0.737163	0.267383	0.590004	0.0377481	6.79893
0.791459	0.224583	0.73412	0.262622	0.567045	0.0403301	6.58103
0.802884	0.22864	0.754314	0.273936	0.553876	0.036669	6.53038
0.825578	0.232661	0.788877	0.300048	0.560058	0.0368268	6.61117
0.857763	0.240478	0.827902	0.32288	0.575952	0.0448562	6.84031
0.894948	0.25049	0.866698	0.331081	0.589046	0.0438771	7.06688
0.925455	0.261797	0.885186	0.335698	0.600049	0.0436904	7.22244
0.9419	0.265494	0.899677	0.344373	0.604876	0.0423049	7.29915
0.945092	0.267158	0.901004	0.343095	0.601477	0.0414725	7.23966
0.928815	0.265625	0.872978	0.32832	0.585795	0.0406707	7.03121

0.896101	0.257663	0.831844	0.307529	0.557308	0.0401937	6.65747
0.854469	0.245539	0.79433	0.292759	0.526256	0.0372796	6.21576
0.800523	0.228658	0.754504	0.277459	0.496722	0.0299141	5.70833
0.740724	0.206615	0.705575	0.252949	0.460272	0.0286796	5.15287
0.691924	0.190264	0.661811	0.231549	0.424372	0.03007	4.65589
0.650961	0.181141	0.622078	0.217124	0.398554	0.0286348	4.20989
0.611639	0.171948	0.584813	0.204106	0.373926	0.027642	3.79727
0.580134	0.161482	0.557383	0.191471	0.349281	0.0215223	3.47118
0.558101	0.158715	0.53922	0.1804	0.330443	0.0205738	3.20802
0.539122	0.154422	0.520488	0.173819	0.314624	0.0204336	2.97128
0.525704	0.15302	0.506717	0.171121	0.302833	0.0194453	2.78465
0.51423	0.150707	0.497199	0.165102	0.289576	0.0214027	2.63199
0.499805	0.146984	0.48068	0.159596	0.276509	0.020021	2.50839
0.485448	0.145644	0.470257	0.158623	0.264286	0.0187317	2.40091
0.468684	0.143604	0.455598	0.15358	0.252195	0.016548	2.31534
0.456246	0.145323	0.435287	0.15252	0.242166	0.0146855	2.23076
0.440509	0.136602	0.425411	0.151627	0.231557	0.0163674	2.1613
0.423929	0.131254	0.416105	0.144146	0.218503	0.0148076	2.1087
0.409651	0.131745	0.401517	0.141564	0.210852	0.015712	2.04696
0.397179	0.12779	0.389835	0.140898	0.20743	0.0138333	1.98956
0.387311	0.129363	0.384254	0.141786	0.200883	0.0139005	1.95899
0.378214	0.128334	0.381385	0.146725	0.193327	0.011364	1.93358
0.372849	0.126622	0.379529	0.148268	0.191337	0.0114634	1.92274
0.366381	0.124237	0.381737	0.144595	0.193668	0.0119929	1.9095
0.367195	0.123314	0.385409	0.149215	0.196442	0.0108395	1.90467
0.370775	0.12364	0.388345	0.146214	0.201656	0.0135851	1.91316
0.375848	0.129573	0.388824	0.146106	0.207841	0.0145945	1.92712
0.383307	0.133534	0.395524	0.152166	0.213895	0.0130022	1.91507
0.390748	0.131999	0.406339	0.156672	0.227105	0.0142201	1.9441
0.403299	0.135149	0.41645	0.159797	0.247886	0.0171306	1.97362
0.422696	0.143067	0.43672	0.167502	0.281109	0.0179059	2.0227
0.450195	0.151553	0.472575	0.184915	0.329265	0.0222421	2.0947
0.49052	0.158741	0.518163	0.205931	0.396884	0.0304104	2.1926
0.552139	0.176036	0.588332	0.240898	0.506759	0.0374853	2.35718
0.640934	0.204763	0.680065	0.282539	0.667198	0.0469872	2.5971
0.763619	0.243334	0.798719	0.342557	0.883594	0.0654907	2.94332
0.924988	0.297715	0.95129	0.424463	1.17341	0.0785575	3.39756
1.13679	0.362175	1.15995	0.523642	1.53697	0.103085	3.94453
1.39566	0.446126	1.41575	0.647692	1.97639	0.146032	4.61785
1.69158	0.543041	1.68099	0.786597	2.47683	0.195348	5.41398
2.00852	0.654902	1.97759	0.934614	3.01369	0.238984	6.23053
2.32835	0.770898	2.27474	1.0754	3.54086	0.274383	7.02476
2.63742	0.872527	2.52657	1.1987	4.01424	0.30405	7.78565
2.88107	0.953138	2.69282	1.29943	4.38106	0.32427	8.37833
3.05486	1.00882	2.81864	1.37	4.62469	0.346757	8.76324
3.13747	1.04176	2.85067	1.38107	4.72411	0.346413	8.9004
3.12482	1.04399	2.78947	1.35222	4.64264	0.345403	8.80119

2.99993	0.996599	2.64829	1.285	4.39459	0.331619	8.41864
2.79284	0.92674	2.44289	1.17609	4.01472	0.305917	7.85982
2.52044	0.840686	2.18433	1.04041	3.55078	0.277739	7.14655
2.20614	0.735803	1.90165	0.909514	3.02688	0.22792	6.33781
1.8852	0.620922	1.61043	0.762178	2.48763	0.183544	5.51245
1.57673	0.516727	1.3502	0.623193	1.98078	0.141132	4.72954
1.30275	0.424726	1.13464	0.517167	1.54734	0.106248	4.03254
1.07298	0.349849	0.95197	0.429403	1.18417	0.0846665	3.44904
0.890764	0.289402	0.805519	0.353893	0.890539	0.0580483	2.98488
0.756088	0.241295	0.706255	0.302115	0.665786	0.0427609	2.62152
0.663859	0.211459	0.646119	0.261338	0.508722	0.0344843	2.36989
0.611149	0.195879	0.620026	0.2482	0.411423	0.0246101	2.21111
0.58214	0.186062	0.609941	0.249825	0.353137	0.019643	2.10387
0.583848	0.190078	0.623811	0.254461	0.323474	0.0204366	2.04502
0.613044	0.202225	0.664488	0.271784	0.321013	0.0207822	2.03927
0.662612	0.217418	0.730034	0.296375	0.340413	0.0201965	2.06438
0.742486	0.240399	0.828442	0.328501	0.379745	0.0229455	2.11901
0.855916	0.270246	0.978705	0.391818	0.433591	0.0278689	2.20537
1.02479	0.318885	1.1936	0.477481	0.510566	0.0341381	2.28692
1.28325	0.396967	1.51542	0.604967	0.617378	0.0435289	2.39367
1.66037	0.515563	2.01323	0.822775	0.759494	0.0553272	2.55696
2.22578	0.69241	2.75674	1.12624	0.933832	0.0647383	2.76393
3.08262	0.962003	3.87345	1.56708	1.16927	0.0713231	3.01826
4.34763	1.34644	5.48925	2.22595	1.49542	0.091603	3.32548
6.14942	1.91107	7.77966	3.15677	1.91424	0.123485	3.6874
8.65161	2.69878	10.9424	4.4446	2.45534	0.15895	4.1563
12.0309	3.75266	15.1334	6.15421	3.13465	0.202013	4.74669
16.4352	5.14042	20.4153	8.31057	4.00558	0.267314	5.46666
21.8645	6.8651	26.7938	10.9232	5.05605	0.354042	6.33902
28.2951	8.92127	34.1742	13.9735	6.27023	0.436557	7.33242
35.5082	11.2121	42.182	17.2683	7.60805	0.53029	8.36714
43.1398	13.6467	50.3936	20.674	8.98722	0.647369	9.44524
50.7233	16.0645	58.2255	23.9004	10.3188	0.753848	10.5374
57.6377	18.2401	64.94	26.68	11.5096	0.82849	11.5265
63.2683	20.0769	70.0198	28.7817	12.4145	0.881681	12.2611
67.035	21.3143	72.878	29.9643	12.951	0.926282	12.7053
68.5714	21.8003	73.1562	30.1799	13.0726	0.923292	12.796
67.7008	21.5563	70.8242	29.2608	12.7629	0.889428	12.491
64.4782	20.5806	66.1622	27.354	12.0228	0.837275	11.8958
59.2883	18.9255	59.7257	24.791	10.9309	0.75365	10.9824
52.619	16.785	51.9951	21.645	9.61012	0.679382	9.84788
45.0643	14.4082	43.6741	18.1927	8.15136	0.588674	8.58715
37.2484	11.9419	35.4532	14.8295	6.69027	0.478474	7.39325
29.7353	9.53724	27.8149	11.6563	5.30643	0.390249	6.3114
22.9734	7.38673	21.1262	8.83956	4.07131	0.316362	5.25825
17.1597	5.54772	15.4913	6.48717	3.04163	0.224359	4.3699
12.408	4.01896	11.0078	4.59522	2.21145	0.152987	3.67314

8.73362	2.82712	7.64904	3.19861	1.56974	0.105512	3.15665
6.00113	1.95392	5.19477	2.17265	1.10361	0.0711724	2.77657
4.05601	1.33511	3.49904	1.46057	0.786174	0.0516535	2.50174
2.74265	0.89866	2.39628	0.989606	0.568602	0.0361629	2.3171
1.90699	0.61873	1.70905	0.689266	0.429239	0.0292557	2.21368
1.41458	0.461495	1.33102	0.541336	0.355055	0.0266109	2.16107
1.16721	0.383117	1.17372	0.473446	0.322755	0.0253118	2.1421
1.09628	0.363022	1.18866	0.466129	0.319099	0.0196485	2.14668
1.1618	0.385689	1.34221	0.515734	0.343115	0.0199806	2.14391
1.34931	0.434085	1.61642	0.621539	0.389441	0.0240918	2.1861
1.65477	0.525491	2.02064	0.775616	0.453042	0.0315252	2.26176
2.08567	0.663704	2.56754	0.997697	0.544783	0.0374096	2.3543
2.64857	0.838763	3.258	1.27887	0.670624	0.0447566	2.47575
3.34138	1.05183	4.09496	1.59059	0.822397	0.0544719	2.60957
4.16462	1.31003	5.07442	1.96982	0.994912	0.0704468	2.75601
5.09551	1.61109	6.14645	2.3853	1.18411	0.0822348	2.93166
6.07656	1.91256	7.22699	2.81386	1.37734	0.0798762	3.09912
7.0695	2.235	8.2801	3.25528	1.57448	0.0962844	3.24567
8.00922	2.54796	9.22545	3.62095	1.7567	0.117444	3.40128
8.78781	2.79048	9.94813	3.89783	1.89461	0.115539	3.51214
9.35657	2.96643	10.4021	4.0892	1.99933	0.13196	3.57858
9.66426	3.06547	10.5151	4.13564	2.05438	0.144878	3.64308
9.65862	3.06268	10.3162	4.05995	2.02918	0.136225	3.64275
9.35525	2.97216	9.81264	3.87932	1.94405	0.128979	3.56854
8.76222	2.78988	9.00626	3.57199	1.8119	0.116335	3.46459
7.9414	2.5297	8.01591	3.17443	1.64057	0.105987	3.32815
6.984	2.24655	6.92155	2.74412	1.4437	0.0960417	3.1798
5.93452	1.91495	5.77495	2.31308	1.2423	0.08165	3.00898
4.88764	1.57689	4.66078	1.86153	1.04082	0.066141	2.83254
3.90986	1.26575	3.65764	1.4562	0.847344	0.0537372	2.6894
3.04431	0.99068	2.79242	1.10629	0.681468	0.0467017	2.56724
2.30389	0.748646	2.0704	0.811067	0.549258	0.0356838	2.43993
1.69667	0.550576	1.51129	0.591619	0.433533	0.0274243	2.36779
1.2301	0.400448	1.09174	0.431047	0.34861	0.0240066	2.31411
0.881441	0.291692	0.782046	0.303877	0.286755	0.0182613	2.23318
0.635818	0.210948	0.567075	0.217378	0.239693	0.0136457	2.22069
0.463413	0.156627	0.414133	0.160986	0.208033	0.0128152	2.22457
0.34683	0.124578	0.31655	0.127162	0.188046	0.01153	2.17331
0.273763	0.105551	0.25107	0.101317	0.175112	0.0111809	2.15809
0.230708	0.0996417	0.213116	0.0888635	0.167986	0.00962738	2.17727
0.200658	0.0877232	0.194014	0.0809568	0.163532	0.0117392	2.17757
0.183091	0.0830077	0.178248	0.0715275	0.161385	0.0115909	2.18562
0.174549	0.0790721	0.172702	0.0721986	0.162679	0.00980729	2.19674
0.169548	0.0795156	0.169672	0.0747933	0.161311	0.0105517	2.21503
0.168105	0.082991	0.169838	0.077344	0.162557	0.0118261	2.21892
0.16788	0.0816286	0.169564	0.0793709	0.165594	0.0122762	2.23852
0.167521	0.080238	0.169467	0.0757913	0.169452	0.0121086	2.26687

0.169988	0.0814222	0.171192	0.0758179	0.170698	0.0118805	2.26679
0.171894	0.0827488	0.173165	0.0787328	0.170996	0.012848	2.25903
0.172134	0.0803376	0.174622	0.0787779	0.175085	0.0111951	2.28109
0.174402	0.0858209	0.177833	0.0828147	0.182862	0.0130785	2.30106
0.178086	0.0889257	0.181045	0.0860011	0.190733	0.0136419	2.33797
0.183027	0.0877	0.183237	0.0858833	0.200782	0.0106478	2.35288
0.187916	0.0895258	0.192121	0.0890881	0.214852	0.012575	2.40133
0.19342	0.0912335	0.204621	0.0962997	0.23578	0.01354	2.43386
0.205159	0.0962232	0.218496	0.109232	0.268041	0.0146619	2.48122
0.223174	0.10638	0.239814	0.126027	0.31176	0.0164656	2.57761
0.245069	0.114573	0.265511	0.14716	0.37361	0.0213875	2.71033
0.274228	0.125345	0.302629	0.194088	0.454766	0.0301856	2.87886
0.312301	0.136034	0.355038	0.26178	0.566086	0.0386928	3.09635
0.359618	0.148843	0.418635	0.334223	0.711747	0.0440866	3.39576
0.422197	0.167823	0.500131	0.432688	0.896421	0.0581731	3.70501
0.500231	0.203418	0.595537	0.559972	1.11604	0.0714759	4.0963
0.589236	0.237886	0.705957	0.701926	1.36784	0.0907241	4.59449
0.686487	0.27628	0.827499	0.864483	1.64794	0.103825	5.11626
0.79149	0.322369	0.949433	1.03914	1.94565	0.120789	5.6217
0.899258	0.367648	1.07187	1.21251	2.23843	0.14007	6.17742
0.99636	0.408352	1.18844	1.37194	2.51026	0.164536	6.6782
1.09009	0.456524	1.28457	1.51914	2.74586	0.171833	7.08747
1.16342	0.486208	1.34406	1.62555	2.91906	0.185284	7.40739
1.20262	0.499002	1.37192	1.66773	3.00133	0.19812	7.59811
1.21915	0.510764	1.3705	1.69441	3.01794	0.201733	7.64285
1.20426	0.510788	1.32953	1.64848	2.9541	0.185573	7.58298
1.15737	0.492658	1.25985	1.54246	2.79845	0.176453	7.3602
1.09016	0.457953	1.17047	1.42166	2.57875	0.163032	6.97784
1.00065	0.420151	1.04754	1.26036	2.29696	0.137901	6.57841
0.895448	0.383226	0.929903	1.09324	2.00321	0.13354	6.11763
0.791645	0.336693	0.806283	0.905831	1.70694	0.112303	5.62412
0.684227	0.285367	0.691258	0.732615	1.41277	0.0849779	5.09845
0.595236	0.254178	0.58615	0.587295	1.15989	0.071677	4.67631
0.510952	0.218871	0.494717	0.462323	0.939926	0.058404	4.31514
0.441644	0.194969	0.415741	0.335834	0.748609	0.0494313	4.04222
0.382616	0.160148	0.359954	0.24821	0.59913	0.0441819	3.86587
0.340402	0.145861	0.316739	0.200006	0.493103	0.036404	3.63708
0.304897	0.136958	0.290419	0.163824	0.409486	0.0291076	3.57888
0.281496	0.131042	0.274148	0.136459	0.349712	0.0242671	3.55219
0.26749	0.124599	0.250626	0.120827	0.31363	0.0208224	3.50128
0.252309	0.122608	0.245018	0.111573	0.289759	0.0239937	3.4261
0.244981	0.110424	0.240974	0.11498	0.272726	0.0257093	3.38189
0.237858	0.105731	0.24318	0.10871	0.263474	0.0218123	3.38224
0.235971	0.104499	0.246535	0.105663	0.263743	0.0208935	3.35695
0.235037	0.106046	0.243467	0.106908	0.265142	0.0172754	3.32365
0.234865	0.107126	0.244987	0.110067	0.272151	0.0169821	3.34296
0.238367	0.11036	0.246808	0.108375	0.27929	0.0149712	3.34193

0.240259	0.104818	0.247076	0.105152	0.291366	0.0244187	3.30676
0.248954	0.110105	0.252998	0.106551	0.307845	0.022544	3.34272
0.25617	0.112281	0.261795	0.118868	0.329025	0.0222564	3.35771
0.262403	0.108013	0.269398	0.121473	0.354547	0.028397	3.36441
0.272997	0.112244	0.28064	0.128357	0.379885	0.0267315	3.40052
0.282011	0.111523	0.296098	0.135897	0.41207	0.0326978	3.44747
0.297815	0.117531	0.308611	0.134725	0.442399	0.0334053	3.48123
0.311346	0.124142	0.323759	0.149728	0.475895	0.0366609	3.56186
0.323219	0.122719	0.337564	0.157505	0.51244	0.0377843	3.60963
0.339495	0.127568	0.351092	0.167931	0.546646	0.0410919	3.6571
0.352798	0.130634	0.362274	0.179165	0.586065	0.0467371	3.75075
0.36698	0.132827	0.38375	0.20165	0.627239	0.0489208	3.79071
0.385423	0.139711	0.407054	0.225756	0.661063	0.0498674	3.89221
0.402452	0.150204	0.426387	0.244071	0.707026	0.041594	3.95707
0.423218	0.166105	0.446211	0.268689	0.751786	0.042591	4.03181
0.438586	0.167121	0.460228	0.285813	0.796918	0.0475565	4.12815
0.452841	0.169441	0.475708	0.304434	0.829703	0.0479264	4.19409
0.469675	0.17697	0.494587	0.331554	0.868429	0.0487716	4.2507
0.484564	0.186783	0.504033	0.346603	0.89328	0.0497712	4.28171
0.489914	0.198035	0.512556	0.356103	0.890999	0.0503062	4.29754
0.492921	0.199019	0.509767	0.354734	0.88971	0.0519601	4.26117
0.488641	0.196208	0.497335	0.349415	0.864481	0.0516863	4.2419
0.478854	0.192654	0.490542	0.352077	0.831193	0.0492199	4.20328
0.46763	0.187017	0.478263	0.340979	0.782683	0.0475892	4.09476
0.454034	0.18512	0.461823	0.338194	0.728379	0.0410541	3.98443
0.435789	0.184334	0.437558	0.318276	0.667684	0.0294894	3.88418
0.412561	0.181118	0.408823	0.301095	0.602421	0.0367164	3.7435
0.390738	0.172612	0.389161	0.292023	0.54394	0.0307304	3.66942
0.370197	0.175112	0.370002	0.285531	0.490371	0.0291405	3.57853
0.35761	0.171075	0.352907	0.265869	0.44622	0.0227159	3.44511
0.340876	0.163786	0.343501	0.26225	0.40526	0.019155	3.37574
0.330036	0.165791	0.334522	0.257518	0.37417	0.0216121	3.3222
0.32337	0.165859	0.327766	0.253398	0.349518	0.0197755	3.27709
0.317323	0.158483	0.320727	0.249955	0.332081	0.0165487	3.28408
0.311838	0.154534	0.31339	0.237044	0.321084	0.0172092	3.26918
0.310278	0.163332	0.312009	0.239898	0.316791	0.0212081	3.27252
0.310719	0.169674	0.314326	0.231058	0.314331	0.0206615	3.24132
0.310593	0.157702	0.314794	0.216943	0.312989	0.0197039	3.31764
0.311897	0.158354	0.317321	0.215891	0.31506	0.0196044	3.35709
0.313252	0.15895	0.318855	0.215501	0.323614	0.0197624	3.33443
0.311751	0.156982	0.319025	0.208902	0.328031	0.0181358	3.42681
0.314062	0.151469	0.317346	0.194354	0.33339	0.0191147	3.44265
0.313962	0.160242	0.320002	0.190173	0.335332	0.025755	3.4585
0.314859	0.160504	0.321852	0.196601	0.346897	0.0249856	3.47428
0.315677	0.161447	0.324388	0.192799	0.344496	0.0219798	3.52318
0.318424	0.162637	0.316945	0.178781	0.345533	0.0212615	3.55758
0.316296	0.154239	0.317279	0.168387	0.345567	0.023398	3.59928

0.315275	0.160641	0.311428	0.169444	0.345719	0.0236214	3.62263
0.31471	0.164486	0.321141	0.168793	0.350052	0.0236602	3.65921
0.313589	0.171508	0.317219	0.157605	0.349658	0.0224828	3.66147
0.312953	0.164269	0.317117	0.155625	0.354829	0.0249996	3.71966
0.316308	0.165044	0.321917	0.153044	0.355674	0.0279649	3.75717
0.316683	0.171077	0.321856	0.154492	0.355803	0.02133	3.84095
0.321109	0.177026	0.329338	0.153386	0.361652	0.0249951	3.8931
0.331188	0.180926	0.341486	0.154579	0.379238	0.0280349	3.976
0.339271	0.185747	0.352842	0.157412	0.398063	0.0284992	4.13856
0.353188	0.18455	0.380094	0.163256	0.420075	0.0325171	4.35679
0.374775	0.207382	0.399441	0.174356	0.445194	0.0359809	4.51281
0.395885	0.219785	0.437673	0.187232	0.483076	0.0374168	4.78107
0.422202	0.228932	0.471153	0.213697	0.522551	0.0352422	5.04717
0.455203	0.240125	0.514686	0.240125	0.572424	0.044832	5.41671
0.493027	0.268256	0.559292	0.269614	0.626839	0.045095	5.72629
0.530514	0.290128	0.608603	0.300128	0.674825	0.0532268	6.06146
0.565788	0.305472	0.651811	0.330972	0.732995	0.0532861	6.39242
0.606419	0.33823	0.693177	0.3459	0.780308	0.0621752	6.75486
0.633408	0.350188	0.723231	0.36429	0.828316	0.0593006	6.97735
0.664638	0.370007	0.746434	0.374711	0.857213	0.0678454	7.15261
0.680792	0.383744	0.75398	0.387098	0.869193	0.0684601	7.25188
0.686313	0.37746	0.754823	0.386219	0.88014	0.0647953	7.27763
0.680583	0.376627	0.735609	0.369397	0.866388	0.0574937	7.24742
0.667306	0.361316	0.706607	0.351078	0.837922	0.0627825	7.09914
0.644228	0.342424	0.680182	0.331935	0.803116	0.0587948	6.87438
0.616697	0.317117	0.647225	0.298023	0.748522	0.0515251	6.58341
0.587826	0.290006	0.600032	0.267951	0.706264	0.0515851	6.24071
0.556498	0.267116	0.548747	0.24216	0.654641	0.044061	6.00921
0.51934	0.242098	0.525417	0.220791	0.610766	0.03857	5.71482
0.493742	0.22507	0.482829	0.192299	0.562102	0.0318643	5.39292
0.466809	0.210089	0.449678	0.180971	0.53023	0.036165	5.15741
0.444819	0.192156	0.427808	0.175341	0.492702	0.0308751	4.9542
0.422705	0.187368	0.408881	0.160208	0.464742	0.031061	4.78852
0.408877	0.179234	0.394551	0.159007	0.441589	0.0246756	4.65071
0.398611	0.173005	0.378389	0.15381	0.429736	0.0269686	4.56206
0.388123	0.174433	0.370679	0.153299	0.415957	0.0247664	4.46882
0.386261	0.185084	0.364527	0.148449	0.41271	0.0240632	4.44359
0.380541	0.175437	0.35406	0.139173	0.394001	0.0265526	4.41204
0.377432	0.179979	0.350381	0.137091	0.393207	0.0219366	4.3556
0.378662	0.185499	0.358948	0.149811	0.39696	0.0213097	4.34829
0.382698	0.189869	0.353149	0.147498	0.390084	0.0309783	4.26756
0.380824	0.190971	0.35065	0.149049	0.390534	0.0227882	4.26594
0.381824	0.194826	0.347938	0.14198	0.393936	0.0189791	4.27883
0.385142	0.194993	0.353269	0.146322	0.39138	0.025652	4.273
0.386538	0.209223	0.354931	0.144917	0.391771	0.0231682	4.26684
0.384802	0.201336	0.357318	0.147613	0.391167	0.0206284	4.26931
0.391977	0.213269	0.353341	0.141449	0.390935	0.0279325	4.26516

0.392604	0.21617	0.359126	0.145813	0.393426	0.0226633	4.29264
0.401588	0.216555	0.365582	0.155306	0.399975	0.0257843	4.35138
0.402911	0.216038	0.374822	0.150157	0.403243	0.0234961	4.37902
0.413748	0.239938	0.381162	0.160368	0.408233	0.0278467	4.42605
0.420185	0.230683	0.392274	0.156559	0.418365	0.0266725	4.52613
0.431619	0.232926	0.400222	0.160519	0.432384	0.0263109	4.60651
0.446889	0.252634	0.4137	0.155322	0.447941	0.0285337	4.81191
0.461943	0.246391	0.44535	0.186208	0.465081	0.0235906	4.98527
0.48369	0.2733	0.459381	0.178791	0.49756	0.0340678	5.26262
0.517501	0.293942	0.499573	0.207009	0.527918	0.0307861	5.65283
0.555779	0.329688	0.548352	0.217352	0.572157	0.0383831	6.01328
0.599919	0.364939	0.595772	0.243493	0.618863	0.0509835	6.61848
0.650221	0.39285	0.654659	0.270917	0.682692	0.0615216	7.21887
0.713699	0.440398	0.7282	0.302188	0.75715	0.0636241	7.97149
0.795368	0.485834	0.814155	0.337937	0.835002	0.0752566	8.76868
0.88661	0.577793	0.902858	0.391005	0.923046	0.0914935	9.67787
0.963891	0.623976	0.994102	0.420639	1.01304	0.0936975	10.6656
1.05298	0.685039	1.07445	0.459839	1.11107	0.114447	11.591
1.14172	0.790428	1.15046	0.486367	1.18647	0.126837	12.4324
1.22215	0.861892	1.21077	0.524454	1.26704	0.139877	13.2361
1.28493	0.88249	1.28295	0.558781	1.33183	0.148101	13.8814
1.32911	0.917458	1.30148	0.558322	1.36922	0.151423	14.3497
1.34938	0.91895	1.31823	0.56966	1.37763	0.155605	14.611
1.3628	0.935055	1.28378	0.539327	1.37145	0.150202	14.4928
1.34646	0.9286	1.27153	0.539763	1.34302	0.147381	14.2743
1.3171	0.914768	1.22619	0.51928	1.29643	0.134954	13.8714
1.25255	0.847242	1.15901	0.506089	1.22615	0.127967	13.2905
1.19001	0.799235	1.08741	0.468389	1.15124	0.114821	12.746
1.12063	0.757776	1.01224	0.43391	1.05672	0.097336	11.9609
1.04185	0.683442	0.94856	0.407582	0.98826	0.0975887	11.2457
0.964493	0.637999	0.875779	0.365666	0.90813	0.0678399	10.5519
0.89017	0.587768	0.819963	0.357007	0.835077	0.058176	9.91715
0.832095	0.537958	0.764113	0.311116	0.767797	0.0587927	9.50348
0.776452	0.50369	0.734694	0.320834	0.719934	0.0510806	9.09349
0.738141	0.460837	0.686322	0.289804	0.681436	0.0511618	8.81822
0.698272	0.451595	0.668567	0.286091	0.647365	0.0410718	8.61173
0.679734	0.435315	0.648767	0.286943	0.619381	0.0313908	8.67573
0.663615	0.418638	0.640278	0.280754	0.607864	0.0389783	8.7262
0.652589	0.390355	0.642906	0.290999	0.601284	0.031957	8.85314
0.648659	0.395084	0.636522	0.280235	0.59892	0.0432301	8.95609
0.648111	0.3911	0.646084	0.294025	0.598874	0.0381895	9.33001
0.647902	0.381913	0.65544	0.309892	0.617907	0.0446498	9.65088
0.65728	0.390233	0.671291	0.31542	0.621808	0.0392404	9.99678
0.671784	0.384913	0.690016	0.329579	0.629226	0.0400584	10.4347
0.686804	0.389517	0.708301	0.33833	0.656287	0.0424043	10.9676
0.701301	0.398407	0.732611	0.354816	0.674192	0.0461824	11.5251
0.729193	0.430738	0.767835	0.379215	0.70532	0.0522659	12.2797

0.757559	0.439579	0.807115	0.400727	0.743744	0.0500931	13.1265
0.802489	0.474499	0.860383	0.436877	0.782653	0.0550128	14.3142
0.859626	0.523175	0.945155	0.497787	0.845549	0.0537513	15.9475
0.938113	0.58956	1.064	0.577313	0.932381	0.0685313	18.1253
1.05005	0.67645	1.2361	0.694522	1.0681	0.0787304	21.594
1.23421	0.822086	1.4809	0.837463	1.25639	0.0882433	26.5893
1.47942	1.00538	1.88081	1.09562	1.54329	0.113704	33.982
1.86401	1.29756	2.45248	1.49893	1.96464	0.129893	44.8513
2.43797	1.76073	3.28351	2.02708	2.58857	0.187473	60.8162
3.2704	2.3789	4.46787	2.81763	3.47236	0.233557	83.7091
4.4564	3.32901	6.08874	3.8666	4.714	0.314095	115.53
6.06848	4.58979	8.30852	5.33036	6.39116	0.452	159.485
8.24099	6.25173	11.198	7.16914	8.67245	0.604677	217.491
11.1307	8.51304	14.9134	9.63513	11.619	0.818885	291.832
14.8034	11.4122	19.5287	12.6294	15.2631	1.04547	386.63
19.3411	14.9342	25.0942	16.229	19.7363	1.39397	500.823
24.7502	19.1835	31.5532	20.4737	24.9782	1.74931	635.35
31.0366	24.0457	38.8303	25.3203	31.0223	2.2071	788.032
38.0003	29.5226	46.5039	30.251	37.4553	2.62381	954.263
45.5419	35.6312	54.4471	35.4681	44.3957	3.15239	1128.13
53.2702	41.7139	62.3304	40.5179	51.2113	3.59605	1304.18
60.6966	47.4528	69.446	45.2448	57.6616	4.04778	1467.9
67.6057	52.9674	75.5149	48.9825	63.4149	4.5032	1613.48
73.2673	57.4763	80.0848	52.115	67.8632	4.80237	1726.77
77.5559	60.913	82.8787	54.0522	71.0353	5.14113	1806.12
80.0751	63.0531	83.509	54.4057	72.3199	5.08934	1839.23
80.555	63.4126	82.1536	53.4507	71.8206	5.13461	1827.86
79.0952	62.4699	78.7382	51.316	69.6078	4.89791	1771.84
75.6981	59.781	73.6831	47.9922	65.7734	4.65259	1673.66
70.6429	55.9479	67.0878	43.7705	60.6819	4.2615	1543.41
64.2524	50.9157	59.7524	38.8979	54.4858	3.82542	1387.29
57.0271	45.173	51.78	33.5889	47.754	3.38237	1215.92
49.3611	39.1963	43.8766	28.4466	40.8022	2.97603	1039.97
41.7251	33.2639	36.1749	23.5578	34.0506	2.37639	868.368
34.3891	27.3711	29.0978	18.8918	27.7359	1.99148	706.721
27.6833	22.1416	22.9526	14.8644	22.1033	1.61426	562.352
21.7749	17.3608	17.6548	11.4375	17.1603	1.23426	436.835
16.7491	13.327	13.3174	8.59378	13.0718	0.907897	331.916
12.6177	9.99465	9.85315	6.30104	9.74091	0.6897	247.052
9.30655	7.29275	7.15185	4.54584	7.13622	0.501568	179.822
6.79284	5.34542	5.14876	3.19753	5.18712	0.353035	128.947
4.892	3.80318	3.67944	2.24968	3.69742	0.255662	91.16
3.49335	2.6663	2.63366	1.59079	2.64536	0.192723	63.8324
2.5091	1.86738	1.90874	1.09133	1.9161	0.142505	44.6391
1.83294	1.31926	1.41439	0.760179	1.41507	0.0945908	31.4279
1.36549	0.925359	1.10902	0.581204	1.09306	0.0697589	22.5637
1.07621	0.677773	0.899481	0.435672	0.865589	0.0506758	16.8046

0.878841	0.5082	0.762014	0.345078	0.733573	0.0459525	13.0441
0.767686	0.444395	0.690678	0.297054	0.646375	0.0438198	10.6655
0.683956	0.35747	0.64285	0.271698	0.593725	0.0352859	9.11927
0.643586	0.318156	0.603266	0.245015	0.559156	0.033398	8.21384
0.620308	0.309949	0.599583	0.238052	0.541745	0.0304902	7.5785
0.609664	0.292473	0.598366	0.233071	0.538124	0.0350722	7.20473
0.600326	0.272621	0.592209	0.23034	0.533723	0.030353	6.91542
0.599244	0.278472	0.589347	0.226832	0.525171	0.0291192	6.79009
0.602319	0.275621	0.59533	0.233519	0.53573	0.0360621	6.69508
0.602591	0.271675	0.596114	0.234921	0.538841	0.0347248	6.72511
0.606686	0.273269	0.60782	0.231734	0.545387	0.0258346	6.74992
0.609439	0.271488	0.613884	0.229863	0.547117	0.0336726	6.74647
0.617412	0.27538	0.619817	0.236401	0.554814	0.0319455	6.84831
0.626037	0.291395	0.623023	0.235929	0.557007	0.0315981	6.93522
0.636082	0.296274	0.647718	0.254377	0.577087	0.031506	7.09056
0.647104	0.287591	0.662121	0.258567	0.585407	0.0300946	7.25994
0.661483	0.31624	0.673271	0.258747	0.6	0.0432121	7.53899
0.678038	0.314477	0.703584	0.290286	0.611641	0.0293485	7.82217
0.699737	0.342799	0.708888	0.281203	0.643842	0.0385499	8.19344
0.723182	0.35158	0.739595	0.301332	0.660965	0.0344486	8.64727
0.746362	0.371501	0.759335	0.308835	0.691799	0.0388221	9.07916
0.776847	0.382889	0.807327	0.340427	0.7235	0.0313108	9.77474
0.817437	0.417727	0.863309	0.378356	0.771054	0.0427931	10.6034
0.867649	0.448879	0.935946	0.415973	0.828402	0.0450555	11.7747
0.931253	0.501845	1.0259	0.477447	0.904183	0.061527	13.2654
1.01982	0.577655	1.15593	0.561399	0.997876	0.059365	15.208
1.12967	0.648758	1.30126	0.644763	1.09916	0.0665797	17.9848
1.27699	0.784801	1.49538	0.780185	1.27449	0.0666354	21.5895
1.48187	0.953026	1.78043	0.971858	1.4719	0.0896469	26.2593
1.73934	1.16616	2.12293	1.19102	1.75276	0.109787	32.6515
2.08808	1.45708	2.57125	1.50111	2.09607	0.126755	40.6804
2.50941	1.79365	3.14158	1.86912	2.52907	0.157004	50.8736
3.05277	2.24562	3.81097	2.29614	3.05818	0.202038	63.4304
3.70552	2.8019	4.62439	2.8827	3.67139	0.236072	78.7432
4.47133	3.47472	5.55253	3.4974	4.44856	0.268326	96.3723
5.37856	4.23152	6.59737	4.22566	5.24779	0.342678	116.146
6.37888	5.08699	7.68635	4.96902	6.1887	0.396635	138.592
7.445	6.01555	8.84942	5.67848	7.15376	0.471163	161.535
8.54736	6.94541	10.0693	6.56095	8.11683	0.565127	184.928
9.683	7.91838	11.119	7.31325	9.07257	0.623092	207.521
10.7205	8.85495	12.077	7.87311	9.93753	0.65782	227.669
11.6358	9.61458	12.8242	8.42015	10.6781	0.719834	244.904
12.3754	10.2547	13.3564	8.82747	11.1687	0.759952	257.307
12.8711	10.7366	13.5631	8.97929	11.5207	0.770559	264.628
13.0963	10.9111	13.5184	8.88322	11.5797	0.799311	266.199
13.0289	10.8987	13.165	8.68496	11.3738	0.734388	261.42
12.7093	10.6197	12.5338	8.18672	10.9215	0.731507	251.189

12.0965	10.0215	11.6903	7.70131	10.3063	0.699595	236.014
11.2649	9.34914	10.6708	7.03879	9.4857	0.629963	216.574
10.2699	8.43362	9.50327	6.22659	8.5342	0.546712	194.366
9.18706	7.56656	8.32558	5.38793	7.52879	0.477244	170.507
8.01935	6.59182	7.10035	4.59966	6.51319	0.409042	146.092
6.86336	5.5997	5.97529	3.83106	5.52892	0.358424	122.518
5.79503	4.68184	4.91113	3.09264	4.58497	0.272311	100.704
4.75788	3.75465	3.9954	2.52666	3.75286	0.245235	80.7752
3.87099	3.00234	3.18145	1.93281	3.00982	0.202301	63.5225
3.09608	2.36819	2.52915	1.48653	2.3963	0.152914	48.8703
2.44181	1.79892	1.99341	1.12943	1.89644	0.12256	37.103
1.92546	1.35601	1.55696	0.85982	1.48221	0.0885858	27.4214
1.51696	0.981349	1.24315	0.653621	1.17546	0.0735234	20.0897
1.20261	0.741741	1.002	0.473882	0.931464	0.0536377	14.4503
0.971024	0.548713	0.827871	0.376175	0.762029	0.0417242	10.2713
0.799771	0.393679	0.715281	0.307863	0.635252	0.0400324	7.34005
0.681305	0.297584	0.629414	0.24693	0.545645	0.0341183	5.28206
0.596127	0.238528	0.568495	0.20306	0.485222	0.025143	3.80293
0.541953	0.201672	0.535077	0.204513	0.443073	0.0277336	2.81
0.50938	0.179208	0.518577	0.18074	0.420569	0.0203859	2.1554
0.491504	0.157837	0.518244	0.186381	0.404813	0.0185172	1.70763
0.483418	0.160588	0.515433	0.171158	0.395194	0.0210286	1.46974
0.481568	0.154695	0.525314	0.182433	0.398716	0.0223021	1.3249
0.487272	0.150253	0.544744	0.184241	0.397821	0.0220474	1.24488
0.500155	0.15591	0.557056	0.17743	0.414337	0.0273	1.18049
0.513356	0.158882	0.594784	0.195431	0.422096	0.0213309	1.19108
0.532394	0.170551	0.625181	0.199896	0.444381	0.0251995	1.23638
0.553567	0.171243	0.656972	0.207201	0.469645	0.0274419	1.28319
0.574093	0.180113	0.685117	0.227717	0.493239	0.0286956	1.37207
0.610507	0.194857	0.743652	0.231662	0.527581	0.0266672	1.45147
0.63593	0.200173	0.789551	0.252361	0.564041	0.032905	1.60655
0.669983	0.205652	0.842989	0.26567	0.602645	0.0351019	1.72592
0.702424	0.221846	0.882957	0.272524	0.633732	0.0283386	1.88319
0.735983	0.234681	0.936582	0.303103	0.676968	0.0335966	1.99967
0.769873	0.242048	0.982816	0.300666	0.717428	0.0410803	2.13937
0.794882	0.253389	1.01527	0.318238	0.743162	0.0379929	2.27426
0.823104	0.260832	1.04295	0.332268	0.774849	0.0402283	2.38963
0.836417	0.267056	1.05324	0.325496	0.795191	0.0419099	2.43594
0.846948	0.276489	1.05159	0.334027	0.799751	0.0351225	2.49378
0.853773	0.271568	1.0379	0.322286	0.800086	0.0371911	2.44812
0.851708	0.272668	1.01903	0.312807	0.793677	0.0439895	2.4081
0.832676	0.266549	0.982069	0.304112	0.779275	0.0408944	2.30001
0.811268	0.255425	0.940319	0.288827	0.752212	0.040066	2.22659
0.786885	0.249089	0.904935	0.274978	0.720175	0.0368815	2.09601
0.754635	0.235061	0.841925	0.242702	0.694726	0.0473598	1.95961
0.724393	0.223296	0.793338	0.241323	0.66264	0.0360349	1.82303
0.686964	0.20665	0.733395	0.211078	0.619974	0.0305857	1.6727

0.654313	0.20207	0.682971	0.207818	0.590568	0.0297961	1.51928
0.623022	0.188669	0.643047	0.177283	0.555223	0.0285821	1.3937
0.599066	0.179119	0.59866	0.170153	0.52272	0.026378	1.27106
0.575317	0.173504	0.570832	0.155541	0.495409	0.0299286	1.15542
0.553239	0.16258	0.53033	0.15133	0.480254	0.0242672	1.06154
0.538518	0.157355	0.520843	0.153128	0.460998	0.0236612	0.983258
0.527089	0.154056	0.498962	0.144355	0.447583	0.0269995	0.928208
0.520447	0.156245	0.486599	0.139912	0.43303	0.0221468	0.884471
0.515332	0.147008	0.49061	0.147956	0.438351	0.0233345	0.862443
0.505241	0.144803	0.480578	0.149696	0.427301	0.0194773	0.819232
0.50745	0.149012	0.479408	0.131527	0.420731	0.0217608	0.805138
0.509032	0.140085	0.474126	0.136446	0.420145	0.0252402	0.798861
0.500282	0.140751	0.476407	0.155449	0.416642	0.0261866	0.777904
0.505159	0.146356	0.483248	0.144179	0.419566	0.0257975	0.780864
0.502258	0.144942	0.480016	0.15145	0.417012	0.0263763	0.746201
0.502454	0.145127	0.474658	0.148185	0.41686	0.0210794	0.786715
0.505799	0.145503	0.480195	0.158852	0.418636	0.0237086	0.775397
0.502984	0.149998	0.475304	0.158039	0.416594	0.0218048	0.774744
0.505316	0.145318	0.47746	0.152936	0.42111	0.0220344	0.752733
0.500574	0.148397	0.473522	0.163047	0.42287	0.0236016	0.769149
0.502235	0.148356	0.472632	0.1592	0.41584	0.0254319	0.770274
0.503877	0.151496	0.48538	0.161049	0.421668	0.027377	0.778586
0.502169	0.158805	0.471373	0.157105	0.421964	0.0213102	0.784047
0.497166	0.152018	0.477966	0.169525	0.425419	0.0274753	0.754121
0.49608	0.153792	0.486465	0.164267	0.432035	0.0231981	0.765926
0.501395	0.159073	0.478165	0.158756	0.434984	0.0281147	0.810545
0.497631	0.156778	0.487297	0.175054	0.439155	0.0305352	0.803673
0.494968	0.155257	0.484344	0.160604	0.44598	0.0222155	0.791888
0.495265	0.160606	0.489376	0.168722	0.447495	0.0272548	0.837824
0.499652	0.16346	0.49432	0.169731	0.464667	0.0228913	0.833367
0.500511	0.170306	0.518027	0.183827	0.478272	0.0294152	0.850556
0.508453	0.170903	0.522193	0.195703	0.489796	0.0291557	0.865901
0.511193	0.167347	0.536164	0.188829	0.518621	0.0349549	0.875445
0.517296	0.169061	0.558857	0.207107	0.547769	0.0316015	0.925844
0.530127	0.175033	0.585625	0.23621	0.582763	0.0411671	0.921419
0.54703	0.17123	0.629368	0.273681	0.619892	0.0510425	0.961756
0.563735	0.179995	0.673551	0.320663	0.69493	0.062944	1.01267
0.581371	0.171421	0.719057	0.390201	0.755942	0.0659191	1.05146
0.6102	0.173642	0.787837	0.456206	0.838393	0.0899002	1.11835
0.644504	0.187086	0.843685	0.562181	0.937492	0.112477	1.13847
0.672321	0.185485	0.93391	0.676179	1.0405	0.130986	1.24425
0.713857	0.19192	0.98891	0.754232	1.15632	0.158102	1.32558
0.75406	0.202974	1.07429	0.876782	1.2703	0.189679	1.40113
0.791868	0.209518	1.14437	0.995855	1.36722	0.195913	1.48866
0.82986	0.221206	1.20988	1.07572	1.48174	0.224726	1.59662
0.866823	0.226792	1.27163	1.1586	1.5697	0.249619	1.6247
0.907993	0.235832	1.29489	1.18967	1.63898	0.272789	1.70562

0.925095	0.231448	1.3385	1.27083	1.70586	0.275156	1.74369
0.943573	0.234698	1.35964	1.27335	1.73531	0.283197	1.83523
0.953571	0.243216	1.35041	1.28107	1.73821	0.277698	1.83934
0.951411	0.246449	1.33018	1.24716	1.70573	0.279185	1.88117
0.940527	0.235646	1.28768	1.17499	1.65989	0.25917	1.86901
0.920105	0.233625	1.23	1.08049	1.59759	0.233377	1.86012
0.897998	0.232015	1.16908	0.96387	1.48986	0.226893	1.85729
0.863362	0.220245	1.10277	0.853312	1.41002	0.207932	1.82167
0.830393	0.204629	1.02398	0.778528	1.30681	0.168492	1.73524
0.79205	0.197211	0.948656	0.646707	1.20099	0.157349	1.7022
0.759695	0.189227	0.895363	0.548919	1.08705	0.131958	1.65866
0.721475	0.175516	0.83463	0.457803	0.994922	0.101924	1.61889
0.69019	0.173422	0.776899	0.387428	0.901314	0.0853623	1.55272
0.65756	0.156519	0.724853	0.309146	0.831519	0.0747444	1.47917
0.636677	0.157522	0.696221	0.261873	0.757822	0.0561471	1.44727
0.619008	0.147537	0.671819	0.223943	0.716913	0.0523917	1.37065
0.600294	0.139631	0.647211	0.185599	0.665203	0.0408354	1.34839
0.59627	0.141186	0.636295	0.179065	0.643273	0.0361491	1.32006
0.594194	0.143364	0.622488	0.158603	0.617752	0.0344724	1.2898
0.588746	0.144902	0.622061	0.153083	0.605531	0.0326515	1.25515
0.583918	0.141998	0.615849	0.159019	0.59703	0.0367619	1.25327
0.589162	0.139478	0.611876	0.159146	0.590977	0.0260758	1.19822
0.590584	0.145825	0.619873	0.148018	0.592555	0.035672	1.18411
0.593155	0.145262	0.624776	0.147673	0.583833	0.0331898	1.18067
0.592503	0.139288	0.622067	0.150236	0.590767	0.0304155	1.15946
0.598525	0.145133	0.618119	0.141224	0.57714	0.03187	1.14244
0.596437	0.142808	0.611745	0.14296	0.575241	0.0331706	1.0795
0.599735	0.149425	0.614227	0.14328	0.581716	0.0328236	1.08449
0.596646	0.153989	0.612009	0.136268	0.571636	0.0325634	1.08347
0.601338	0.147174	0.612689	0.141323	0.569969	0.0294356	1.03525
0.600992	0.150961	0.607658	0.145244	0.567852	0.0279797	1.01083
0.60227	0.158003	0.612127	0.137795	0.575147	0.029943	0.99381
0.598574	0.161111	0.603396	0.140462	0.565799	0.0316103	0.976633
0.605251	0.171778	0.608224	0.144292	0.557761	0.0287538	0.962553
0.607657	0.169988	0.597816	0.138688	0.553078	0.0259733	0.92181
0.611311	0.177197	0.595259	0.144106	0.551491	0.0246614	0.902105
0.612783	0.186089	0.60153	0.133839	0.557257	0.0298573	0.883382
0.613191	0.191183	0.601441	0.144678	0.560626	0.0262672	0.899177
0.614702	0.197033	0.611387	0.153494	0.555628	0.0243012	0.882492
0.628811	0.210316	0.620946	0.162644	0.560983	0.0252315	0.887771
0.629209	0.214541	0.627961	0.172275	0.554395	0.0282828	0.867553
0.638978	0.226714	0.63401	0.168599	0.563942	0.0249909	0.863166
0.639852	0.232969	0.649326	0.176988	0.563831	0.022369	0.843882
0.649867	0.238307	0.665706	0.19208	0.562176	0.0303506	0.84708
0.661686	0.253207	0.693478	0.203198	0.578075	0.0305456	0.84762
0.674415	0.256986	0.714067	0.2277	0.574686	0.0297061	0.854713
0.68713	0.25615	0.74331	0.244872	0.59032	0.0277566	0.859415

0.706568	0.272995	0.782631	0.271665	0.595018	0.0268647	0.874807
0.727283	0.272798	0.833295	0.345211	0.607334	0.0246084	0.873661
0.750001	0.278787	0.886086	0.370503	0.622549	0.0279782	0.855433
0.777118	0.293908	0.950302	0.448881	0.637742	0.0395489	0.866277
0.807746	0.297011	1.01579	0.519454	0.658244	0.0252317	0.87378
0.839369	0.309382	1.08991	0.626478	0.68022	0.029073	0.868806
0.88199	0.317834	1.15956	0.70768	0.690951	0.0309533	0.878285
0.91668	0.334041	1.23475	0.762895	0.709761	0.0315073	0.905859
0.939901	0.335025	1.31254	0.890275	0.73496	0.0322868	0.909234
0.982874	0.351877	1.35839	0.910934	0.761322	0.0385169	0.908904
1.01314	0.362276	1.42465	0.984	0.772592	0.0419272	0.904914
1.04339	0.366819	1.45991	1.05471	0.782976	0.0385873	0.904824
1.06288	0.371763	1.48819	1.06608	0.802038	0.0374528	0.92449
1.08014	0.368349	1.51969	1.10649	0.801071	0.0399719	0.922648
1.08111	0.37207	1.49514	1.10003	0.803609	0.0399919	0.945498
1.08945	0.376494	1.47521	1.04079	0.803734	0.0356141	0.952078
1.07659	0.378352	1.44248	1.01518	0.793625	0.0404826	0.954248
1.06788	0.369609	1.38278	0.936056	0.788108	0.0312041	0.93508
1.04039	0.364612	1.32366	0.870647	0.781233	0.0341036	0.95352
1.01788	0.352489	1.26123	0.770662	0.762721	0.0318899	0.94314
0.993219	0.358782	1.19771	0.680871	0.732957	0.0309219	0.943078
0.960642	0.347574	1.13699	0.619275	0.72995	0.0335263	0.931594
0.928921	0.330745	1.07128	0.536897	0.720252	0.0347131	0.933707
0.906038	0.324718	1.0041	0.455542	0.701432	0.0303149	0.947441
0.879349	0.312276	0.946665	0.377715	0.694321	0.0313268	0.939087
0.852552	0.299585	0.906628	0.333928	0.677977	0.024378	0.939103
0.83346	0.298688	0.879364	0.287337	0.678581	0.0314258	0.946684
0.816465	0.279317	0.839181	0.258425	0.678326	0.0311266	0.958308
0.8021	0.27486	0.8308	0.247787	0.679137	0.0326687	0.949013
0.790369	0.271161	0.798891	0.214627	0.684063	0.0310545	0.967529
0.785808	0.253674	0.799636	0.215137	0.698588	0.0346048	0.968512
0.782468	0.249026	0.803527	0.203627	0.701736	0.0378198	0.988896
0.782357	0.245154	0.799592	0.200081	0.713358	0.0342396	0.978078
0.782736	0.234859	0.798061	0.207915	0.725642	0.0399213	0.98545
0.78491	0.238507	0.806755	0.209662	0.742234	0.0389345	0.979516
0.790954	0.225028	0.805382	0.207811	0.75511	0.043488	0.982734
0.794552	0.217228	0.821216	0.222329	0.769763	0.0516984	1.00535
0.793757	0.208021	0.827639	0.21754	0.790872	0.0557267	0.979685
0.80547	0.207591	0.835826	0.231432	0.799021	0.0515314	1.01182
0.802792	0.204428	0.836603	0.240888	0.812457	0.0576119	1.00007
0.810155	0.202541	0.846587	0.244699	0.808818	0.0560944	1.02316
0.810696	0.189141	0.848216	0.232051	0.812812	0.0490703	1.02922
0.813314	0.191265	0.833401	0.224358	0.812772	0.0494173	1.01771
0.805348	0.191173	0.840706	0.213107	0.810021	0.0473145	0.991536
0.801176	0.185344	0.827206	0.21115	0.79448	0.0523918	1.00753
0.799537	0.18084	0.817371	0.199197	0.780631	0.0554041	1.03086
0.790571	0.177413	0.823865	0.197476	0.773339	0.043036	1.0057

0.787066	0.176623	0.80075	0.1795	0.764456	0.0414102	1.01586
0.787299	0.17441	0.78361	0.175781	0.739311	0.0459334	0.992877
0.778116	0.181299	0.770144	0.163657	0.729037	0.0391567	1.0136
0.768202	0.168878	0.767791	0.1518	0.70632	0.0414793	1.01422
0.760028	0.170792	0.754837	0.147433	0.694102	0.0345143	1.00695
0.753474	0.163426	0.753482	0.150691	0.683775	0.0370791	1.01983
0.753413	0.167148	0.737833	0.134942	0.680469	0.0358745	1.01596
0.745707	0.166809	0.733353	0.138718	0.661868	0.0277433	1.03796
0.737515	0.160636	0.736682	0.146371	0.655722	0.028933	1.03816
0.740705	0.165871	0.729038	0.130742	0.652122	0.0270626	1.05905
0.736453	0.157696	0.726037	0.135859	0.65133	0.0322531	1.06039
0.741648	0.163753	0.727716	0.149767	0.651284	0.033729	1.0498
0.74165	0.160362	0.721752	0.132694	0.638651	0.0381901	1.07382
0.734579	0.156418	0.718816	0.133852	0.641949	0.0268132	1.07844
0.739291	0.164341	0.736635	0.139074	0.643364	0.033422	1.08473
0.733672	0.159899	0.721273	0.133605	0.646594	0.0312129	1.06746
0.736762	0.157763	0.734822	0.135727	0.646846	0.0248489	1.08007
0.743033	0.165553	0.733244	0.14196	0.657419	0.0241766	1.08251
0.744274	0.160399	0.729937	0.131416	0.665597	0.0289356	1.07995
0.745942	0.156222	0.72924	0.143942	0.670428	0.0380079	1.06423
0.744755	0.163653	0.730188	0.135284	0.662525	0.0263524	1.11017
0.74484	0.162248	0.735545	0.139352	0.672463	0.0341496	1.08045
0.748404	0.160023	0.747538	0.142018	0.677414	0.0294717	1.07959
0.753862	0.16613	0.736735	0.13873	0.684543	0.0304196	1.07958
0.756816	0.168012	0.737468	0.136263	0.684644	0.0371923	1.08184
0.75423	0.159539	0.738011	0.141859	0.679519	0.0356973	1.07946
0.755241	0.159391	0.727222	0.145068	0.686901	0.0294899	1.05841
0.754135	0.159464	0.734629	0.133522	0.688302	0.0251231	1.06094
0.760772	0.160657	0.724483	0.134077	0.68462	0.0293682	1.03126
0.762356	0.159431	0.733996	0.145872	0.693395	0.030544	1.06455
0.75614	0.160993	0.72602	0.139908	0.683153	0.0294326	1.05593
0.759856	0.157897	0.730918	0.129962	0.682149	0.0402482	1.02381
0.756343	0.154948	0.725434	0.137848	0.678047	0.0304814	1.02067
0.763097	0.16387	0.726827	0.138415	0.685153	0.0262581	1.01268
0.758965	0.161698	0.720961	0.138357	0.673093	0.0326689	1.0084
0.755887	0.166861	0.716738	0.136979	0.674699	0.0296815	0.998405
0.760615	0.168269	0.720183	0.134036	0.681583	0.0337241	0.98488
0.759198	0.16533	0.714937	0.135709	0.676599	0.0311505	0.967675
0.760204	0.176822	0.723766	0.137797	0.668297	0.0331291	0.961722
0.756887	0.168471	0.722755	0.139067	0.664218	0.0251892	0.937761
0.763155	0.179601	0.72116	0.143853	0.665139	0.0270228	0.960729
0.763289	0.186167	0.716435	0.131352	0.667226	0.0275341	0.926402
0.759794	0.18054	0.716087	0.132914	0.66951	0.0297782	0.928714
0.765937	0.189908	0.718934	0.136615	0.665467	0.0286792	0.9465
0.768404	0.198457	0.734607	0.134218	0.664581	0.0306002	0.902974
0.772078	0.211112	0.733092	0.134761	0.667679	0.0344616	0.922519
0.774462	0.211923	0.744234	0.139767	0.673655	0.0302672	0.919786

0.780737	0.213248	0.744573	0.13331	0.668861	0.0344112	0.920665
0.787512	0.216757	0.762462	0.148223	0.671129	0.0308896	0.912276
0.788723	0.222864	0.768666	0.142526	0.676727	0.0357525	0.91997
0.798958	0.232138	0.765552	0.14826	0.687021	0.0323587	0.908766
0.800006	0.247532	0.77912	0.153408	0.685227	0.033981	0.900545
0.809385	0.248477	0.786392	0.158904	0.689741	0.0310421	0.925554
0.817836	0.243418	0.812968	0.176506	0.692693	0.0365423	0.913016
0.825246	0.260459	0.816414	0.169249	0.69685	0.0327009	0.900185
0.832524	0.277644	0.829411	0.173577	0.698374	0.0330119	0.930157
0.841057	0.278986	0.84544	0.192835	0.709967	0.0331612	0.919799
0.846843	0.285764	0.849123	0.202233	0.714872	0.0381504	0.94526
0.850233	0.294306	0.860443	0.198454	0.707797	0.0321952	0.939599
0.860585	0.296584	0.859141	0.198244	0.723566	0.0316049	0.94033
0.862519	0.304279	0.870909	0.200732	0.712538	0.0369196	0.940332
0.869362	0.314586	0.859401	0.194125	0.717841	0.0315881	0.974042
0.869159	0.32677	0.868214	0.193462	0.723109	0.0333529	0.971233
0.867009	0.334549	0.862064	0.193508	0.719374	0.0363329	0.993341
0.876156	0.346812	0.857401	0.195509	0.719015	0.0312001	1.01303
0.870451	0.353838	0.85567	0.189649	0.72424	0.0315715	1.01052
0.873966	0.34107	0.855202	0.181887	0.719965	0.037232	1.02556
0.871667	0.341692	0.838969	0.179369	0.72095	0.0298625	1.04035
0.869681	0.356897	0.835841	0.176211	0.720726	0.0307792	1.04187
0.872891	0.369571	0.82541	0.171192	0.719136	0.0295647	1.06414
0.86521	0.365365	0.824565	0.164357	0.708515	0.0247041	1.06025
0.870612	0.371174	0.825186	0.164061	0.718436	0.0340018	1.09754
0.868095	0.383928	0.814585	0.168955	0.719436	0.0318268	1.09491
0.864162	0.397228	0.814766	0.16256	0.71852	0.0319587	1.11349
0.865262	0.401326	0.813967	0.17065	0.711138	0.0280039	1.09689
0.862845	0.407215	0.803786	0.170208	0.71356	0.0307398	1.09555
0.859015	0.392065	0.799957	0.158512	0.721985	0.0301524	1.10131
0.862638	0.398222	0.797979	0.167115	0.709227	0.0328855	1.09032
0.864578	0.41505	0.80069	0.172258	0.711845	0.0351863	1.08696
0.862957	0.394258	0.809326	0.164399	0.712872	0.0280671	1.08142
0.862408	0.400251	0.805045	0.177064	0.711479	0.034403	1.0571
0.855013	0.391859	0.804127	0.173578	0.707507	0.0354975	1.06748
0.867639	0.402475	0.80737	0.179742	0.711788	0.037729	1.04161
0.86278	0.397333	0.810845	0.181879	0.707018	0.0366716	1.04078
0.869126	0.388815	0.798011	0.190227	0.708905	0.0335539	1.03523
0.869204	0.384562	0.808596	0.182214	0.708832	0.0334923	1.01794
0.872501	0.38404	0.806971	0.182536	0.706142	0.032453	1.03191
0.86881	0.384129	0.815294	0.199147	0.708845	0.0295526	1.04153
0.870411	0.374438	0.812051	0.177266	0.712765	0.036666	1.03573
0.869236	0.353725	0.817246	0.181388	0.707966	0.0288637	1.02032
0.863776	0.359389	0.822739	0.181395	0.711305	0.0399992	1.01425
0.873329	0.380688	0.822118	0.183483	0.713941	0.0253115	1.01145
0.871456	0.338238	0.817531	0.187884	0.712935	0.0292912	1.01758
0.875546	0.344339	0.836421	0.197195	0.717167	0.0290296	1.00617

0.881671	0.344404	0.850197	0.198335	0.711094	0.0292947	1.02059
0.884666	0.33856	0.842858	0.189097	0.720112	0.0278273	1.03144
0.881333	0.319881	0.850495	0.193995	0.714288	0.0301379	1.03174
0.889241	0.321998	0.865867	0.196985	0.717287	0.0292258	1.04993
0.895502	0.305938	0.861771	0.197953	0.715115	0.0298177	1.07736
0.89927	0.296484	0.887231	0.216329	0.718846	0.0311929	1.06634
0.902204	0.292342	0.896749	0.226218	0.72494	0.0323231	1.06317
0.914845	0.283984	0.905682	0.21551	0.731492	0.0347523	1.10891
0.916518	0.280845	0.915942	0.218414	0.736248	0.0272548	1.11087
0.930466	0.277134	0.937282	0.225291	0.724204	0.0249918	1.1318
0.938483	0.277981	0.945953	0.229482	0.735137	0.0380082	1.13074
0.951091	0.272465	0.966898	0.243463	0.734246	0.0341112	1.16036
0.954276	0.272835	0.978242	0.25603	0.736558	0.034251	1.17078
0.963132	0.273702	0.9873	0.260289	0.738809	0.0190936	1.19256
0.970048	0.265991	0.994345	0.254019	0.745249	0.0345834	1.2179
0.976456	0.272022	1.00204	0.26438	0.745194	0.0345801	1.2108
0.986462	0.270268	1.01337	0.265655	0.739708	0.0424445	1.22091
0.984229	0.263645	1.00433	0.254088	0.737445	0.0308986	1.21865
0.98445	0.268314	1.01106	0.250686	0.747547	0.0225416	1.2348
0.980431	0.255617	0.993926	0.255201	0.743327	0.0300627	1.19801
0.985131	0.257513	0.98799	0.238547	0.743371	0.0358559	1.19837
0.96948	0.233884	0.97499	0.233326	0.735841	0.0333795	1.18177
0.967626	0.23356	0.972421	0.230024	0.735224	0.0282823	1.18666
0.95467	0.220795	0.957722	0.211239	0.731105	0.0323611	1.17115
0.941628	0.221636	0.936677	0.194408	0.730836	0.0302855	1.157
0.934398	0.20917	0.925353	0.195784	0.730002	0.029562	1.14864
0.922866	0.194906	0.925449	0.199726	0.728141	0.0279473	1.12701
0.908961	0.186261	0.902058	0.180381	0.721787	0.0301479	1.10358
0.901471	0.185027	0.893303	0.172566	0.715113	0.0259164	1.09992
0.885296	0.173234	0.873234	0.160783	0.722565	0.0328643	1.08121
0.874389	0.171872	0.871742	0.154547	0.721182	0.0230258	1.07556
0.866203	0.158205	0.867935	0.149191	0.715955	0.0350557	1.08293
0.865907	0.159324	0.845389	0.144241	0.71836	0.0286316	1.0713
0.852961	0.155227	0.836105	0.142745	0.716552	0.0326043	1.05952
0.849821	0.154259	0.847955	0.146992	0.718927	0.0367505	1.04883
0.848631	0.138505	0.843494	0.149915	0.716731	0.0247875	1.06748
0.844833	0.151012	0.847339	0.144127	0.717515	0.0251399	1.04175
0.847508	0.14316	0.85587	0.14471	0.715825	0.0255594	1.06879
0.844624	0.150505	0.848781	0.143998	0.711451	0.0302084	1.06407
0.848075	0.148093	0.846289	0.132769	0.71878	0.0277688	1.06303
0.849768	0.14573	0.838213	0.14058	0.704012	0.0244001	1.05056
0.847721	0.141639	0.859614	0.144989	0.718114	0.0286931	1.07249
0.846939	0.136152	0.859545	0.149222	0.724545	0.0323089	1.06292
0.852884	0.14403	0.862369	0.148033	0.721147	0.0333808	1.05903
0.861313	0.143625	0.866186	0.151309	0.724589	0.0316205	1.0814
0.860409	0.144443	0.883919	0.145	0.725428	0.0279311	1.0648
0.866778	0.14935	0.889876	0.154418	0.729172	0.0362368	1.08351

0.875234	0.150549	0.89991	0.155976	0.738971	0.0308812	1.0906
0.886333	0.148104	0.91542	0.164386	0.742791	0.0252031	1.0835
0.892455	0.155309	0.935867	0.174193	0.748592	0.0331054	1.10682
0.905478	0.153424	0.959217	0.179748	0.75713	0.027638	1.11421
0.914646	0.160034	0.981274	0.197279	0.765058	0.0337724	1.10463
0.929446	0.16042	1.00608	0.209141	0.790836	0.0323537	1.10225
0.942507	0.157899	1.02648	0.217736	0.79595	0.0325747	1.10271
0.954534	0.16419	1.06302	0.24548	0.810704	0.0325652	1.1451
0.972053	0.16248	1.06999	0.270025	0.816246	0.0348637	1.107
0.989118	0.1644	1.11878	0.279595	0.838417	0.0358857	1.14765
1.0069	0.169563	1.13113	0.294805	0.859083	0.0416097	1.10211
1.03372	0.173783	1.16502	0.314963	0.861833	0.0356785	1.13297
1.0492	0.181498	1.18712	0.339725	0.891038	0.0338984	1.12717
1.05802	0.176136	1.22379	0.351476	0.893713	0.0347871	1.11716
1.07581	0.177149	1.20984	0.348049	0.907592	0.0361419	1.12244
1.08843	0.182752	1.23555	0.354271	0.922391	0.046723	1.13889
1.09157	0.174856	1.24759	0.38675	0.918394	0.0405443	1.1418
1.09721	0.175236	1.2275	0.374737	0.929285	0.0468162	1.11709
1.09506	0.181969	1.23754	0.356521	0.927541	0.0408065	1.12984
1.09454	0.177795	1.21751	0.334865	0.909183	0.0382191	1.12159
1.0844	0.179524	1.18083	0.326958	0.894833	0.0414884	1.104
1.07272	0.177028	1.16741	0.318987	0.893038	0.0413067	1.10184
1.05303	0.174554	1.13209	0.306025	0.878782	0.0415412	1.10011
1.03218	0.1673	1.08531	0.277784	0.856344	0.0390053	1.10708
1.011	0.163445	1.07011	0.242609	0.843562	0.0436084	1.09961
0.991051	0.15965	1.03335	0.232806	0.826638	0.0363842	1.08177
0.967845	0.155896	1.00258	0.208957	0.813702	0.0377381	1.09531
0.94579	0.151208	0.96922	0.194402	0.796864	0.0320749	1.07391
0.921858	0.15257	0.935213	0.166963	0.777263	0.0354037	1.07253
0.910075	0.150264	0.922149	0.165633	0.768272	0.0317831	1.08449
0.882569	0.145471	0.903451	0.144654	0.748851	0.0268741	1.04784
0.873023	0.147143	0.883075	0.157079	0.746277	0.025915	1.05393
0.859983	0.143144	0.863838	0.132681	0.732846	0.0304691	1.04825
0.84959	0.143765	0.856003	0.140007	0.726635	0.0241683	1.06416
0.835902	0.139839	0.848535	0.130808	0.719701	0.0253746	1.07086
0.828523	0.150522	0.828674	0.125532	0.71485	0.0327013	1.04174
0.823075	0.148187	0.819649	0.123414	0.714985	0.029095	1.0591
0.814451	0.144346	0.824297	0.136975	0.701643	0.0202541	1.06166
0.809947	0.140552	0.813111	0.122175	0.702861	0.0309218	1.06323
0.81005	0.148343	0.817037	0.116201	0.698122	0.0304617	1.07278
0.802895	0.139408	0.798763	0.118049	0.696139	0.0281016	1.06721
0.796888	0.141691	0.790818	0.110693	0.701742	0.0266436	1.08643
0.798885	0.141173	0.794178	0.119421	0.70629	0.0251203	1.06473
0.795226	0.138513	0.797483	0.110429	0.702506	0.028947	1.07778
0.786277	0.143003	0.786389	0.124538	0.704491	0.0210866	1.10001
0.785829	0.137858	0.787815	0.106729	0.705542	0.0324214	1.09557
0.784816	0.138392	0.782223	0.113574	0.699081	0.0218965	1.08669

0.782335	0.135537	0.791952	0.113482	0.702396	0.0281725	1.11935
0.780738	0.139624	0.778199	0.0996043	0.703765	0.0289203	1.10632
0.784195	0.129034	0.776456	0.115113	0.702822	0.0302031	1.1155
0.781762	0.132938	0.774346	0.105477	0.700633	0.0329531	1.11526
0.777867	0.132114	0.777764	0.0961469	0.700899	0.0254439	1.1319
0.779479	0.135422	0.77053	0.101629	0.705892	0.0341651	1.14594
0.776384	0.136003	0.76479	0.0937145	0.694743	0.026982	1.14453
0.774883	0.139881	0.771483	0.100086	0.70085	0.0216479	1.1443
0.779591	0.136126	0.774001	0.0979894	0.696218	0.0311815	1.1416
0.773122	0.133773	0.760395	0.0972726	0.702476	0.030837	1.13957
0.77035	0.134715	0.774867	0.0964683	0.700712	0.0304849	1.13758
0.776001	0.133456	0.767705	0.0922729	0.694378	0.029144	1.14056
0.769798	0.132786	0.757497	0.0983181	0.700386	0.0314289	1.15091
0.766521	0.132581	0.75302	0.0959541	0.690117	0.0238111	1.14328
0.769658	0.126236	0.758861	0.0753228	0.696919	0.030694	1.14385
0.768832	0.124259	0.765624	0.0813003	0.693261	0.032249	1.15457
0.769928	0.13574	0.768717	0.102223	0.701802	0.0335086	1.1537
0.768237	0.123124	0.761568	0.0875149	0.696155	0.0311945	1.15699
0.767048	0.131247	0.759973	0.0858791	0.69073	0.0369788	1.15963
0.767705	0.122501	0.757045	0.0809012	0.695479	0.0304133	1.14709
0.769528	0.12683	0.756142	0.0913569	0.698649	0.033883	1.11514
0.763725	0.125044	0.750202	0.0797283	0.694988	0.026924	1.12214
0.769345	0.128465	0.758161	0.0985121	0.695845	0.0262428	1.12835
0.772588	0.124354	0.758526	0.09003	0.697511	0.0248502	1.10186
0.77117	0.124531	0.771722	0.0940057	0.692267	0.0246872	1.10476
0.764921	0.118504	0.74656	0.0889708	0.692319	0.0272955	1.06819
0.764416	0.122539	0.757397	0.0890688	0.70102	0.0240955	1.07193
0.766073	0.128801	0.756824	0.0802817	0.696353	0.0285281	1.07148
0.771405	0.12373	0.762742	0.0807595	0.697337	0.0315426	1.06125
0.763513	0.117789	0.765809	0.0950346	0.687316	0.0253184	1.03774
0.765494	0.120922	0.756739	0.0873904	0.695534	0.0320336	1.04277
0.761055	0.116019	0.751974	0.0817807	0.699814	0.0288414	1.03306
0.767305	0.120404	0.760163	0.0923333	0.698703	0.0286132	1.0367
0.760388	0.118714	0.754556	0.0878169	0.68638	0.026779	1.02273
0.769406	0.124932	0.756307	0.0833338	0.693927	0.0244874	1.02491
0.768111	0.125424	0.748639	0.0886789	0.693029	0.0336311	1.01309
0.770485	0.12557	0.749095	0.0794184	0.693304	0.0284076	1.00885
0.765653	0.124238	0.760805	0.0824528	0.702695	0.0317771	1.03458
0.768488	0.120157	0.765323	0.090687	0.700902	0.0308868	1.0037
0.765366	0.120489	0.754201	0.0844634	0.69778	0.0265069	0.985522
0.763988	0.119888	0.75886	0.0912683	0.702056	0.0311756	0.999847
0.76921	0.119453	0.775262	0.0888096	0.693208	0.0263698	1.00357
0.766435	0.119392	0.76248	0.0898088	0.697536	0.0263979	1.01301
0.762043	0.119414	0.759262	0.0860805	0.698726	0.0361966	1.01291
0.768604	0.122865	0.759837	0.0848015	0.694243	0.0311507	1.00419
0.763939	0.121625	0.752601	0.0831129	0.694155	0.0261458	1.02123
0.767643	0.122193	0.759122	0.082373	0.696458	0.0201736	0.999229

0.764035	0.12167	0.755372	0.0833492	0.699124	0.0310885	0.98843
0.764693	0.121556	0.758216	0.0689831	0.695741	0.0284452	1.00086
0.762737	0.120104	0.748287	0.0779699	0.688628	0.0256525	1.00632
0.766237	0.122116	0.744384	0.077764	0.686768	0.0340516	0.992557
0.766241	0.123405	0.766669	0.0889948	0.691812	0.0237556	0.987002
0.764802	0.112437	0.752488	0.0836813	0.695532	0.0253376	1.00611
0.761268	0.118356	0.751991	0.0824023	0.702011	0.0270836	0.97565
0.766147	0.112909	0.747929	0.0743534	0.690045	0.0271741	0.982012
0.769213	0.117201	0.755709	0.0894492	0.692579	0.0257379	0.993897
0.764902	0.117928	0.756003	0.0817325	0.689247	0.0250636	0.985412
0.764386	0.122028	0.757052	0.0814349	0.691871	0.0311492	0.987554
0.764359	0.117178	0.750756	0.090324	0.688852	0.033251	0.976179
0.760221	0.114832	0.757372	0.0854812	0.694673	0.024009	0.982074
0.762779	0.121693	0.755834	0.0838391	0.688665	0.0217652	0.982044
0.761617	0.113516	0.744028	0.078823	0.687473	0.025644	0.982391
0.76468	0.111531	0.748038	0.0762145	0.683085	0.0269587	0.989911
0.763439	0.117404	0.740602	0.0796954	0.684688	0.0264757	0.962672
0.761591	0.118621	0.740433	0.0670427	0.683765	0.0249843	0.988446
0.759982	0.110574	0.752252	0.0733748	0.695193	0.0250323	0.989052
0.758121	0.117012	0.757627	0.0880767	0.684336	0.0289141	0.966383
0.76234	0.110086	0.754056	0.0850616	0.687841	0.0299674	0.988633
0.762921	0.116973	0.749482	0.0825474	0.692437	0.0263481	0.98133
0.756071	0.114604	0.751893	0.0842839	0.686756	0.0236223	0.9893
0.763159	0.117152	0.747514	0.0821669	0.683664	0.0326996	0.991356
0.763296	0.11485	0.745301	0.0790531	0.686959	0.0278028	0.988734
0.760732	0.114178	0.751951	0.0716439	0.682268	0.0278231	0.979042
0.761672	0.12094	0.755104	0.0800713	0.682919	0.0271465	1.00373
0.766145	0.112738	0.743936	0.0860862	0.68318	0.0204316	1.01535
0.762995	0.118339	0.753107	0.0835957	0.690232	0.0305405	0.987903
0.76334	0.120219	0.738081	0.0796088	0.684955	0.0170511	0.995297
0.762171	0.122038	0.752501	0.0801323	0.681625	0.0316106	0.990568
0.76195	0.116635	0.746173	0.085734	0.679854	0.0230431	0.998897
0.760236	0.118444	0.743515	0.0868761	0.68362	0.0308558	1.02251
0.759197	0.115353	0.753235	0.0766919	0.684403	0.0231436	1.01524
0.764101	0.11482	0.754956	0.0798846	0.680625	0.0222828	1.02048
0.770075	0.116614	0.758077	0.0858088	0.68766	0.0231338	1.03945
0.759688	0.113158	0.749745	0.0838562	0.679469	0.0285783	1.04168
0.765064	0.11652	0.755127	0.0810219	0.678194	0.0273453	1.03671
0.759492	0.115481	0.752118	0.0810168	0.682189	0.0219686	1.02313
0.764325	0.112524	0.751212	0.0766755	0.68437	0.0269283	1.04384
0.765361	0.11824	0.761375	0.0831553	0.683583	0.025813	1.05906
0.760305	0.117079	0.755184	0.0828283	0.684124	0.0222621	1.05177
0.764841	0.120365	0.759304	0.08703	0.681248	0.0287762	1.04885
0.761101	0.111318	0.749479	0.0894545	0.68555	0.0259845	1.05046
0.756174	0.113933	0.750219	0.0838986	0.679222	0.0234373	1.06252
0.756285	0.122014	0.753951	0.0940546	0.686463	0.0274068	1.05948
0.762576	0.1177	0.749282	0.0776435	0.679307	0.0233716	1.06082

0.753671	0.114578	0.748458	0.0810592	0.675879	0.0299834	1.06929
0.757302	0.122188	0.758154	0.0848329	0.672244	0.0274505	1.04552
0.752928	0.113584	0.754149	0.0853794	0.683287	0.0341036	1.05346
0.761819	0.10873	0.754	0.0823324	0.676053	0.0322457	1.04534
0.75917	0.120204	0.74712	0.0847006	0.675015	0.0282661	1.03937
0.756148	0.112108	0.751255	0.0881886	0.678801	0.0331338	1.02066
0.756258	0.112677	0.75294	0.0758733	0.667439	0.0240804	1.02289
0.75407	0.104295	0.751902	0.0829328	0.673907	0.0246692	1.02093
0.75862	0.114214	0.746908	0.0830064	0.66796	0.0324558	1.00563
0.752245	0.110667	0.751915	0.0885602	0.671241	0.0232935	1.01967
0.749235	0.114917	0.75722	0.0938217	0.664238	0.0263118	0.997414
0.747243	0.104927	0.750246	0.0890714	0.672513	0.0257943	0.990956
0.747107	0.11383	0.745323	0.0870138	0.673945	0.0245345	0.989588
0.744971	0.0988313	0.746282	0.0814619	0.670986	0.0240971	0.9851
0.743424	0.105142	0.744798	0.0823383	0.667133	0.0215928	0.977756
0.744313	0.106871	0.748338	0.0841383	0.669752	0.0245446	0.961601
0.748951	0.107701	0.741782	0.0812553	0.663595	0.0212996	0.968869
0.740813	0.105567	0.75237	0.0857508	0.658196	0.0221678	0.974919
0.738473	0.097034	0.740037	0.0845546	0.664438	0.0275852	0.945913
0.742802	0.10374	0.734139	0.0800211	0.662822	0.0273123	0.945732
0.737944	0.105029	0.734217	0.0810967	0.656889	0.0245335	0.955708
0.738118	0.104422	0.744698	0.0841562	0.657953	0.0224908	0.93932
0.740429	0.105674	0.730524	0.0753256	0.649966	0.0274046	0.958892
0.732888	0.091667	0.736745	0.0778362	0.656601	0.0269177	0.95587
0.732939	0.100269	0.739094	0.0904415	0.65244	0.0261344	0.928793
0.733852	0.0983867	0.731237	0.0805684	0.654708	0.0289357	0.949125
0.735565	0.102449	0.735003	0.0897039	0.653351	0.0260107	0.959145
0.730319	0.0933935	0.737207	0.0857049	0.644545	0.0261581	0.953538
0.728333	0.095163	0.738429	0.077185	0.646603	0.0209794	0.941718
0.730251	0.0941426	0.730174	0.0805476	0.647903	0.0234109	0.943891
0.726526	0.0942901	0.724081	0.0788281	0.651014	0.0239913	0.956998
0.729813	0.0861888	0.723354	0.0780007	0.648255	0.0227642	0.983028
0.725771	0.0956369	0.730283	0.0797259	0.640983	0.0328041	0.948502
0.724633	0.0964602	0.719206	0.0681826	0.647186	0.0210487	0.967639
0.729111	0.0964957	0.729588	0.0796526	0.647385	0.028097	0.980438
0.725879	0.0946523	0.724627	0.0813631	0.642634	0.0196635	0.989709
0.725802	0.0934177	0.728265	0.0694427	0.646017	0.0261809	0.99585
0.723934	0.0903887	0.727828	0.08045	0.646924	0.0174005	1.01001
0.720627	0.0947472	0.734785	0.0753034	0.639929	0.0239284	1.02196
0.718235	0.0900133	0.729746	0.075493	0.638999	0.0289283	1.03191
0.722826	0.0949898	0.734033	0.0800045	0.634123	0.0276001	1.03928
0.719157	0.0924085	0.719298	0.076855	0.638564	0.0240001	1.07124
0.7126	0.0874779	0.724189	0.0747195	0.639499	0.0316636	1.06819
0.715867	0.0881301	0.727065	0.0757341	0.638032	0.0188277	1.09198
0.713509	0.0861054	0.724075	0.0673161	0.634491	0.0193622	1.10951
0.718124	0.0916317	0.737494	0.0801671	0.634876	0.0223892	1.12602
0.712495	0.0915223	0.727693	0.0745392	0.636828	0.0259215	1.12639

0.709125	0.0807458	0.723219	0.0684382	0.64218	0.0256609	1.14928
0.716288	0.0933179	0.715126	0.0739055	0.638747	0.0216749	1.13131
0.705031	0.0898764	0.72433	0.0691531	0.629723	0.0176872	1.14087
0.710268	0.0843942	0.718809	0.071447	0.629433	0.0242888	1.16072
0.70247	0.0914398	0.717122	0.0733727	0.628465	0.0229791	1.16258
0.705489	0.0865743	0.722596	0.0754474	0.630136	0.017723	1.16346
0.703241	0.0856445	0.714446	0.067822	0.630273	0.0198326	1.14189
0.704536	0.0869098	0.711265	0.065246	0.624361	0.0242521	1.14423
0.701156	0.0824091	0.714533	0.0669621	0.62682	0.0226309	1.14109
0.699176	0.086539	0.701786	0.0703251	0.625511	0.0253043	1.11414
0.696128	0.0897877	0.709804	0.0660481	0.625334	0.0239826	1.1029
0.695855	0.0845968	0.709313	0.0755712	0.628296	0.0184486	1.10315
0.695042	0.0839696	0.704076	0.0708757	0.621802	0.0226274	1.10417
0.694005	0.0795948	0.699742	0.0687401	0.624912	0.0268837	1.06636
0.694608	0.0811549	0.705685	0.0714102	0.621073	0.0243621	1.08519
0.689263	0.0787577	0.709119	0.0720991	0.621815	0.0241458	1.08389
0.691101	0.0797468	0.705671	0.0691752	0.622531	0.01532	1.0895
0.690596	0.0815115	0.712302	0.0763456	0.627519	0.0155805	1.08195
0.695768	0.0833251	0.709547	0.0722268	0.625239	0.0206732	1.08232
0.701039	0.0840494	0.722338	0.0664469	0.620262	0.0193316	1.08603
0.696754	0.081599	0.719872	0.079288	0.627074	0.0285975	1.0939
0.702974	0.077333	0.755779	0.0815532	0.631445	0.0243965	1.12916
0.706042	0.0845142	0.755805	0.0958036	0.639595	0.0261488	1.13636
0.711146	0.0737684	0.761948	0.0948172	0.642864	0.0178237	1.17701
0.725941	0.0864155	0.781665	0.108151	0.658261	0.0248233	1.20445
0.736519	0.0861328	0.794135	0.099376	0.665879	0.026188	1.24548
0.745411	0.0874218	0.805401	0.123186	0.67681	0.0237303	1.33753
0.75665	0.0864011	0.831074	0.138421	0.676028	0.0270242	1.42618
0.770664	0.0847559	0.852404	0.136987	0.690814	0.0293292	1.52736
0.785802	0.091725	0.868738	0.153976	0.687827	0.0255392	1.6628
0.794789	0.0868154	0.876392	0.150301	0.711304	0.0291339	1.85093
0.809033	0.0936003	0.905673	0.16318	0.714815	0.0288643	2.10893
0.821524	0.0962739	0.906236	0.163825	0.72281	0.0359531	2.36145
0.833114	0.0977866	0.925237	0.166909	0.733119	0.0309053	2.72176
0.841423	0.094882	0.942438	0.189027	0.742868	0.0331614	3.2249
0.855701	0.101364	0.939159	0.188828	0.751805	0.0350246	3.77616
0.852448	0.10819	0.934928	0.175309	0.748469	0.0346737	4.35815
0.853893	0.108141	0.947725	0.178176	0.752844	0.0293195	5.10259
0.863192	0.117997	0.942869	0.184649	0.751573	0.0364931	6.00072
0.859748	0.116102	0.932918	0.182092	0.751382	0.0270949	6.85881
0.858686	0.11956	0.910807	0.174765	0.738866	0.0267356	7.97525
0.854788	0.137988	0.902172	0.168839	0.744829	0.0317572	9.15766
0.846922	0.138018	0.903372	0.183615	0.739332	0.0295949	10.4108
0.843934	0.152021	0.887023	0.162968	0.735849	0.0320166	11.69
0.837181	0.156381	0.885289	0.1597	0.729349	0.0245465	12.934
0.829792	0.174652	0.865427	0.16748	0.732734	0.0297742	14.293
0.822643	0.189773	0.855914	0.183598	0.724037	0.0249492	15.4947

0.82213	0.213459	0.849209	0.182693	0.721315	0.0246897	16.6514
0.807812	0.212919	0.831647	0.185818	0.716888	0.0289356	17.6194
0.79973	0.217741	0.826746	0.182289	0.718804	0.0329662	18.5174
0.796768	0.235548	0.832983	0.194977	0.702991	0.0373228	19.2301
0.788764	0.246772	0.809462	0.177388	0.69945	0.0327313	19.7861
0.78641	0.251301	0.79719	0.188334	0.698019	0.0288447	19.9108
0.77764	0.24859	0.790752	0.200675	0.702785	0.0319859	19.9456
0.775886	0.2551	0.784081	0.176859	0.696859	0.0253275	19.6697
0.762681	0.260384	0.772915	0.171676	0.675152	0.0285855	19.0416
0.761723	0.257471	0.754436	0.16982	0.679877	0.0286356	18.4268
0.747648	0.234158	0.744211	0.147853	0.669471	0.0298475	17.4087
0.742187	0.226214	0.733195	0.151784	0.653461	0.0300205	16.2454
0.739167	0.223681	0.726888	0.131735	0.65221	0.022735	15.0644
0.721727	0.200823	0.715625	0.134607	0.644678	0.0332739	13.7368
0.716349	0.19133	0.70541	0.123093	0.637838	0.0303985	12.4629
0.702991	0.170997	0.688001	0.105763	0.619389	0.0263769	11.0974
0.695854	0.161212	0.68204	0.094568	0.62252	0.0239757	9.85888
0.687179	0.153848	0.682779	0.0883349	0.610292	0.0240986	8.54868
0.674016	0.125016	0.663897	0.076942	0.60255	0.0244727	7.42176
0.66614	0.12472	0.664949	0.0751326	0.596611	0.0286461	6.40743
0.657268	0.107296	0.661744	0.0723697	0.591498	0.0172249	5.41277
0.650162	0.102387	0.652634	0.0636212	0.578307	0.0233367	4.60072
0.649577	0.0878264	0.643516	0.0609519	0.582717	0.018595	3.87436
0.640451	0.0908383	0.640515	0.0638706	0.569322	0.0255036	3.24846
0.644707	0.0808857	0.632877	0.0615648	0.582413	0.0231746	2.75451
0.636105	0.0769749	0.631078	0.0503339	0.568815	0.0223753	2.34713
0.632742	0.0769389	0.626496	0.0551879	0.560817	0.0179258	1.97609
0.630747	0.0720922	0.623867	0.0550159	0.559627	0.0180242	1.72792
0.624549	0.0677836	0.632668	0.0592187	0.55616	0.0222186	1.51612
0.619622	0.0716867	0.615777	0.052055	0.556851	0.0217917	1.35475
0.622567	0.0656178	0.617149	0.0449052	0.54975	0.0238493	1.22993
0.616569	0.0689415	0.602195	0.0517908	0.550632	0.024473	1.1115
0.608994	0.066965	0.610354	0.0589274	0.541489	0.0210899	1.06625
0.603474	0.0651898	0.596479	0.0509776	0.541647	0.0163035	0.978749
0.606568	0.0657452	0.605792	0.0573135	0.540513	0.019801	0.98021
0.603385	0.0644695	0.596228	0.0548478	0.54343	0.0170563	0.958205
0.599805	0.0576817	0.596774	0.0490531	0.530204	0.0239378	0.936563
0.595395	0.0623451	0.603644	0.0510916	0.535502	0.0214428	0.932248
0.59659	0.0602541	0.588308	0.0542987	0.535178	0.02105	0.909832
0.592978	0.0674178	0.594361	0.0587719	0.53717	0.0197314	0.915826
0.591511	0.0640165	0.589111	0.0591209	0.52771	0.0208022	0.929077
0.588636	0.0646262	0.586629	0.0481403	0.533067	0.0274892	0.943794
0.58686	0.0630157	0.577892	0.0516572	0.535807	0.0162889	0.937044
0.590983	0.0571722	0.583531	0.0546829	0.527536	0.0264317	0.960615
0.589712	0.0597173	0.58375	0.0462009	0.535477	0.0263291	0.992792
0.586592	0.0678093	0.591554	0.0502923	0.542041	0.0203571	1.01302
0.590698	0.0639662	0.582961	0.0529576	0.531841	0.0237867	1.07792

0.592683	0.0612317	0.596248	0.0549721	0.543153	0.0193075	1.10778
0.590477	0.0680053	0.587777	0.0452224	0.539274	0.0197647	1.1901
0.593479	0.0584934	0.593574	0.0509285	0.551105	0.018239	1.25518
0.592304	0.0643692	0.600772	0.0571594	0.56053	0.0239728	1.36526
0.598081	0.059553	0.596632	0.0559654	0.560607	0.0220581	1.47078
0.601928	0.0641009	0.601026	0.0496656	0.569074	0.0225895	1.60108
0.602184	0.0646847	0.608787	0.0562048	0.579576	0.0254877	1.7815
0.609507	0.0669311	0.618276	0.0562014	0.58984	0.0250529	1.96471
0.618491	0.0718874	0.617727	0.0614559	0.605095	0.0218077	2.16063
0.624147	0.0765419	0.622461	0.0619909	0.609842	0.0200211	2.44111
0.625542	0.0819821	0.631775	0.0553196	0.620486	0.0262991	2.70057
0.633547	0.082684	0.637709	0.0569245	0.625527	0.0228424	2.99544
0.641759	0.083028	0.633364	0.0691568	0.638452	0.0192358	3.32111
0.65222	0.0890417	0.656142	0.0596698	0.645767	0.0227322	3.65218
0.653596	0.0904265	0.648407	0.0681567	0.659877	0.0332556	4.02041
0.657469	0.094662	0.655743	0.0745524	0.656985	0.0238707	4.39351
0.660972	0.0997346	0.660074	0.0790826	0.665453	0.0271433	4.70981
0.660312	0.100526	0.661361	0.0818789	0.671237	0.0274619	5.06449
0.669126	0.111574	0.663163	0.0793838	0.672053	0.025753	5.4101
0.673199	0.108731	0.652426	0.0834511	0.677183	0.0261565	5.67749
0.671457	0.103205	0.661119	0.0777708	0.674386	0.0232831	5.92372
0.668531	0.108727	0.65875	0.0799503	0.664594	0.02232	6.12288
0.662604	0.113896	0.648183	0.0789853	0.659947	0.0222867	6.26816
0.666674	0.110098	0.642011	0.078528	0.656922	0.0259684	6.32932
0.65573	0.112374	0.647753	0.0807222	0.647124	0.0241592	6.35545
0.651626	0.108083	0.632436	0.0897514	0.634078	0.0213865	6.31338
0.649795	0.109583	0.619723	0.0753907	0.621902	0.0301133	6.14225
0.642617	0.110172	0.61659	0.0792393	0.609553	0.0219439	5.9413
0.632021	0.106577	0.604207	0.0713427	0.595348	0.022154	5.66514
0.629588	0.102905	0.605137	0.0693262	0.596438	0.0214175	5.3918
0.614654	0.0952755	0.603013	0.0629592	0.586642	0.021806	5.02486
0.61262	0.0984407	0.586905	0.0708599	0.572361	0.0228293	4.69165
0.598009	0.0824632	0.583625	0.0645817	0.551619	0.0230587	4.2813
0.589241	0.0844279	0.568334	0.0524075	0.540237	0.0277448	3.91646
0.586792	0.0794179	0.566475	0.0568623	0.539734	0.0184303	3.51161
0.580226	0.0712346	0.566968	0.054817	0.527073	0.0252717	3.14936
0.572911	0.070749	0.554559	0.046988	0.515377	0.0253253	2.82189
0.5696	0.0700241	0.555491	0.0501238	0.510168	0.0231998	2.52594
0.564208	0.0689214	0.555895	0.0488575	0.508161	0.017746	2.19163
0.557713	0.0666264	0.540405	0.0482158	0.502149	0.0209656	1.9357
0.559485	0.0628733	0.546107	0.0410864	0.501401	0.0192098	1.69319
0.551893	0.0606349	0.54062	0.0464164	0.503664	0.0198472	1.49548
0.55189	0.0575349	0.535916	0.0420626	0.491831	0.0176484	1.33914
0.544848	0.0561976	0.534618	0.0389236	0.495323	0.0181018	1.19083
0.54308	0.0576161	0.534459	0.0445016	0.488674	0.0176775	1.08747
0.543865	0.0569805	0.529715	0.0501465	0.485496	0.0171217	0.976335
0.54102	0.0625929	0.537392	0.0442005	0.484122	0.0205107	0.873897

0.539434	0.0568732	0.529009	0.0453839	0.480207	0.0201236	0.824656
0.534658	0.0531949	0.52544	0.0435471	0.48043	0.0164074	0.799983
0.536803	0.0589563	0.533882	0.0485008	0.482525	0.020327	0.742294
0.536521	0.0550757	0.530613	0.044285	0.482783	0.015954	0.724025
0.535272	0.0556836	0.520676	0.0413471	0.484451	0.0205903	0.693485
0.531487	0.0567198	0.526934	0.0401845	0.486831	0.0199457	0.683843
0.532638	0.0615181	0.527039	0.0382143	0.483226	0.0227057	0.685132
0.529727	0.0578876	0.531536	0.0483228	0.478115	0.0197927	0.669163
0.534513	0.0602032	0.524828	0.0368536	0.478388	0.0172519	0.680042
0.52751	0.0516728	0.531839	0.0424754	0.477432	0.0197527	0.664942
0.528614	0.0615514	0.52083	0.0401548	0.475035	0.0204272	0.688814
0.527405	0.0525312	0.519195	0.0432336	0.480238	0.0156208	0.670131
0.528536	0.0609315	0.524907	0.0392914	0.479423	0.0221413	0.65997
0.524328	0.0536597	0.520634	0.0462192	0.477552	0.0160699	0.672836
0.52387	0.0578975	0.526279	0.0408813	0.480002	0.0212488	0.669566
0.529498	0.0545294	0.530804	0.0511775	0.476006	0.0212077	0.684012
0.521981	0.0499342	0.525998	0.0370907	0.477457	0.0184031	0.675455
0.523435	0.050997	0.526204	0.0363077	0.472365	0.0219761	0.69468
0.523397	0.0508484	0.515405	0.0392834	0.482979	0.0207571	0.704468
0.524999	0.0553293	0.526213	0.035758	0.478818	0.0189188	0.689886
0.526462	0.0517656	0.527389	0.0313657	0.485167	0.0178833	0.710064
0.530225	0.0502455	0.52375	0.0410753	0.4867	0.0206228	0.711096
0.526831	0.0502449	0.527475	0.0412664	0.489769	0.0212398	0.734439
0.525582	0.0480542	0.5244	0.047902	0.491853	0.0207333	0.742899
0.53155	0.0558829	0.545304	0.0440849	0.503384	0.0209922	0.748141
0.540956	0.0484457	0.541754	0.0407442	0.516451	0.0248607	0.772615
0.542237	0.0521342	0.546754	0.0468355	0.522708	0.0212328	0.78676
0.545324	0.0567485	0.563838	0.046337	0.544748	0.0242525	0.781597
0.556734	0.0540277	0.578769	0.0473522	0.562022	0.0264694	0.866774
0.563473	0.058913	0.594012	0.0426692	0.591712	0.0376976	0.860003
0.575763	0.0570095	0.611478	0.0560389	0.620869	0.0302461	0.908624
0.593398	0.060144	0.640988	0.05164	0.651031	0.0408739	0.967646
0.613478	0.0582471	0.662945	0.0637403	0.695636	0.0394708	0.998702
0.634389	0.0601333	0.678811	0.0625835	0.731793	0.0456525	1.05547
0.660617	0.0701384	0.712819	0.0683656	0.778227	0.0527896	1.10576
0.684173	0.073958	0.742222	0.0826584	0.832758	0.0693591	1.15654
0.70957	0.0822358	0.773291	0.0873106	0.891669	0.077141	1.20823
0.73912	0.0884808	0.815055	0.0955848	0.943429	0.0758064	1.25921
0.770848	0.0926352	0.845891	0.0959571	1.00546	0.0907785	1.31178
0.800235	0.109493	0.876272	0.107538	1.06921	0.0971614	1.35878
0.834872	0.110093	0.917807	0.114419	1.12753	0.0962622	1.43269
0.868695	0.128171	0.948869	0.116559	1.18491	0.114925	1.43442
0.900844	0.134304	0.963829	0.130755	1.2321	0.128214	1.48362
0.92591	0.142901	0.982133	0.126764	1.28585	0.13516	1.50973
0.949545	0.158522	1.0074	0.12886	1.31245	0.136812	1.55548
0.970892	0.153852	1.01818	0.122852	1.3499	0.130513	1.51722
0.991141	0.162777	1.02751	0.139349	1.37036	0.1446	1.51346

1.00062	0.171777	1.02621	0.14042	1.39989	0.151167	1.48044
1.00387	0.168331	1.02436	0.135656	1.38908	0.138281	1.47822
1.00621	0.172016	1.01065	0.134749	1.36943	0.155568	1.45569
0.998687	0.162517	0.985875	0.132486	1.34267	0.135805	1.42903
0.983295	0.159249	0.956454	0.100633	1.31143	0.137208	1.37162
0.963084	0.157416	0.938573	0.120026	1.27714	0.138834	1.31633
0.940319	0.151158	0.913562	0.104015	1.22756	0.112724	1.26981
0.912079	0.150326	0.871157	0.0951285	1.16662	0.119221	1.18034
0.892124	0.142609	0.830437	0.0823338	1.10752	0.105897	1.13848
0.847103	0.122679	0.795401	0.0891119	1.04228	0.100368	1.09815
0.820314	0.114111	0.756469	0.0782539	0.985139	0.0922952	1.00533
0.784303	0.105334	0.725555	0.0764785	0.923947	0.0839511	0.955422
0.747169	0.094049	0.680757	0.0601226	0.856598	0.0616258	0.886144
0.712921	0.0910451	0.656952	0.0575085	0.790916	0.0614877	0.837097
0.682763	0.0801482	0.630683	0.0478254	0.742868	0.0518916	0.802682
0.649508	0.0724751	0.607303	0.0416708	0.684806	0.0372444	0.750993
0.620573	0.068017	0.588788	0.0382569	0.641523	0.0341236	0.727158
0.598293	0.058825	0.557099	0.0443416	0.612161	0.0336355	0.701454
0.572917	0.0583033	0.552194	0.0414544	0.573761	0.0276664	0.669257
0.553647	0.0582918	0.532319	0.0347525	0.541807	0.025394	0.640288
0.538455	0.0504241	0.513413	0.0364114	0.518881	0.0238533	0.628912
0.521236	0.0492713	0.496009	0.0329285	0.49459	0.0227296	0.617881
0.50863	0.0479055	0.50123	0.0298411	0.483987	0.0221971	0.608833
0.499281	0.0396545	0.490525	0.0276905	0.465255	0.0251402	0.592432
0.492475	0.0459986	0.487603	0.0422787	0.453376	0.0237981	0.588683
0.482146	0.0432001	0.485144	0.0337481	0.443459	0.0194136	0.572375
0.48285	0.04189	0.476792	0.0304425	0.438623	0.0191527	0.571554
0.472614	0.0418257	0.472174	0.0355851	0.431025	0.0178432	0.571727
0.472873	0.0429698	0.459925	0.0281929	0.429924	0.0182529	0.569337
0.46383	0.0417512	0.467407	0.0342654	0.427622	0.0178258	0.57234
0.462131	0.0403191	0.468777	0.0345064	0.422352	0.0148654	0.569101
0.464613	0.0432366	0.46577	0.0410903	0.419975	0.0151795	0.580774
0.458039	0.0408694	0.45796	0.0372953	0.41822	0.0157281	0.557806
0.45709	0.0402375	0.461558	0.0289495	0.414966	0.0199121	0.566791
0.452737	0.0453727	0.456697	0.0318028	0.4168	0.0209632	0.569126
0.458298	0.0379159	0.447552	0.0321349	0.412803	0.0176571	0.552421
0.452141	0.0390733	0.461108	0.029552	0.409258	0.0178475	0.567158
0.450348	0.040088	0.452107	0.032946	0.406598	0.0178461	0.556756
0.448143	0.0405042	0.457895	0.0322302	0.404858	0.0141529	0.552035
0.448184	0.0371829	0.45114	0.0318616	0.404667	0.0171891	0.575312
0.449343	0.0403175	0.448096	0.0287022	0.404529	0.018679	0.551822
0.444468	0.0399389	0.441572	0.0312753	0.401741	0.0224681	0.54929
0.446561	0.0406305	0.446133	0.0227668	0.406682	0.0187688	0.556181
0.443664	0.0368543	0.440352	0.0247691	0.407912	0.0125779	0.547841
0.441493	0.0387783	0.447146	0.0319876	0.406576	0.0196698	0.560443
0.444125	0.038787	0.453629	0.0347057	0.409913	0.0203471	0.54141
0.446034	0.0386277	0.444677	0.0361365	0.40415	0.0184981	0.544383

0.439256	0.0346763	0.44573	0.0335984	0.402906	0.0135638	0.549983
0.439418	0.0397398	0.443079	0.0292813	0.4	0.0131973	0.539933
0.442186	0.0383895	0.448479	0.0311479	0.406094	0.022215	0.534689
0.442147	0.0398316	0.445609	0.0277698	0.40164	0.0197579	0.530854
0.443759	0.0374421	0.454575	0.027824	0.40047	0.0160269	0.534535
0.443707	0.0363641	0.455173	0.0356867	0.407038	0.0206433	0.518729
0.445572	0.0356468	0.452974	0.0361686	0.398538	0.0143205	0.527501
0.446513	0.0358761	0.450527	0.0331936	0.402223	0.0198894	0.527125
0.442629	0.037845	0.453409	0.0358462	0.399002	0.0191991	0.528463
0.44405	0.0372259	0.462468	0.0353554	0.403671	0.0209461	0.518777
0.447743	0.0367591	0.463156	0.0321281	0.410298	0.0157509	0.533135
0.44916	0.0376382	0.462059	0.029978	0.409772	0.0209279	0.528831
0.446033	0.0377157	0.468595	0.0350907	0.415834	0.0199825	0.521193
0.44691	0.038594	0.466147	0.0282314	0.415295	0.0238987	0.516082
0.448814	0.0361185	0.4618	0.036094	0.413495	0.015086	0.510819
0.447325	0.0360089	0.461151	0.0347651	0.420836	0.0170124	0.51446
0.445778	0.0352165	0.461147	0.0355579	0.416495	0.016722	0.532657
0.446018	0.0339277	0.460744	0.0322535	0.42427	0.0172214	0.508531
0.447087	0.0360519	0.462905	0.03063	0.426901	0.0165026	0.527196
0.447993	0.0376247	0.460953	0.0290026	0.426163	0.0176957	0.510385
0.448411	0.0372974	0.451233	0.0292941	0.428292	0.0200139	0.527835
0.447676	0.0382552	0.458857	0.0266351	0.42715	0.0226283	0.534738
0.444679	0.0356717	0.447216	0.0308956	0.43179	0.0155308	0.531475
0.443684	0.031904	0.445017	0.0297537	0.436677	0.0180693	0.522591
0.448001	0.0357534	0.449031	0.0299489	0.431352	0.0179968	0.537332
0.444882	0.0372949	0.440165	0.0319653	0.430728	0.0239315	0.52641
0.444823	0.040879	0.452021	0.0352505	0.441814	0.0186116	0.527584
0.443141	0.042262	0.45058	0.0320641	0.438549	0.0219439	0.535206
0.440914	0.0371465	0.433055	0.0245267	0.444919	0.0172201	0.535427
0.438151	0.0377812	0.43455	0.0259569	0.440354	0.0158394	0.524137
0.440871	0.0388147	0.438909	0.0271416	0.4431	0.0201687	0.530618
0.434921	0.0420688	0.430862	0.0316588	0.445726	0.0195846	0.526469
0.438576	0.0414251	0.44081	0.0301192	0.442375	0.0188333	0.538802
0.437331	0.0381148	0.429213	0.0298737	0.444257	0.0256246	0.532415
0.435469	0.0439342	0.433507	0.0322583	0.442887	0.0172371	0.524664
0.432138	0.0379136	0.434804	0.0343242	0.440547	0.0173015	0.532001
0.432125	0.0386383	0.420173	0.028211	0.442825	0.0208971	0.530249
0.42998	0.0400728	0.426084	0.0288286	0.435989	0.0211324	0.520471
0.428452	0.0376399	0.416297	0.0204009	0.431914	0.018096	0.526004
0.423692	0.0376557	0.414131	0.0353871	0.422874	0.0190701	0.50621
0.419401	0.0360338	0.415197	0.0322332	0.420474	0.0182175	0.534534
0.42109	0.0338802	0.417213	0.0252988	0.417662	0.0122951	0.526074
0.417031	0.035633	0.41481	0.0205661	0.408779	0.0126309	0.517439
0.417944	0.0381403	0.411228	0.0279494	0.411051	0.0201222	0.503301
0.411195	0.0343786	0.403551	0.0332775	0.400942	0.0147351	0.49242
0.408374	0.0359658	0.406789	0.0263897	0.391774	0.0160697	0.509823
0.401694	0.0335558	0.398097	0.0282741	0.38851	0.0149234	0.484627

0.401475	0.0337123	0.39936	0.0294571	0.384151	0.0193837	0.498425
0.400069	0.0358333	0.400008	0.0241821	0.384807	0.0148081	0.495916
0.395006	0.0350554	0.396981	0.0327569	0.379624	0.0187437	0.473071
0.399485	0.0310641	0.391072	0.0299095	0.368199	0.0184375	0.484358
0.38842	0.0310711	0.395391	0.0279784	0.370146	0.0178655	0.470872
0.388665	0.0316776	0.388369	0.0191231	0.364004	0.0158059	0.469748
0.389497	0.0286036	0.386457	0.0302409	0.363875	0.0142398	0.482686
0.388637	0.0319692	0.390196	0.0221356	0.363519	0.020292	0.470264
0.385268	0.0318821	0.387957	0.0295484	0.360907	0.0182947	0.478936
0.384809	0.0297	0.389876	0.0279417	0.357785	0.0167071	0.474933
0.380645	0.0312553	0.384699	0.0298785	0.356204	0.0143909	0.483068
0.377726	0.0288532	0.383516	0.0260367	0.354213	0.0180597	0.455878
0.375381	0.0330427	0.373106	0.0217247	0.351504	0.0156729	0.459289
0.38131	0.0334375	0.378723	0.0235752	0.34851	0.0192152	0.463278
0.371878	0.0318066	0.37175	0.0162644	0.353525	0.014827	0.459746
0.371836	0.027471	0.375303	0.0246921	0.348863	0.0153023	0.4461
0.37107	0.0318352	0.374814	0.0283775	0.348893	0.0168292	0.463354
0.369067	0.028572	0.370103	0.0262242	0.349793	0.0135764	0.445783
0.365407	0.0302918	0.366164	0.0231011	0.342725	0.0195254	0.448113
0.363814	0.0306469	0.364866	0.0296898	0.342594	0.0140024	0.451382
0.362403	0.0285831	0.363019	0.0209717	0.333897	0.0144009	0.454423
0.36446	0.0304678	0.364666	0.0284044	0.336504	0.017038	0.445679
0.36193	0.0292807	0.360095	0.0247132	0.336044	0.0138537	0.438064
0.360441	0.0317864	0.364268	0.0260682	0.33645	0.0185271	0.455674
0.354516	0.0280529	0.360905	0.0246477	0.331843	0.0147678	0.455143
0.353518	0.0291776	0.353309	0.0300634	0.334024	0.0177825	0.450816
0.355187	0.0280374	0.359639	0.0214211	0.32672	0.0149284	0.44354
0.357599	0.0277567	0.355569	0.019179	0.327954	0.0176358	0.440393
0.350255	0.0278123	0.354969	0.0188604	0.329143	0.0169686	0.425687
0.350793	0.0282517	0.357817	0.0214076	0.324859	0.011571	0.428787
0.349555	0.0265078	0.348366	0.0232475	0.327199	0.0135231	0.429706
0.34921	0.0277458	0.357513	0.0218038	0.327696	0.0158422	0.437475
0.347849	0.0239974	0.350646	0.0254279	0.326269	0.013864	0.438539
0.350157	0.0279	0.348517	0.0260842	0.323946	0.0170505	0.433899
0.346265	0.0268037	0.353033	0.0259264	0.324282	0.0129055	0.437607
0.348417	0.0273073	0.354302	0.0266583	0.327375	0.0169762	0.443514
0.347572	0.0312467	0.350417	0.0201617	0.322353	0.0154777	0.422961
0.345508	0.0290026	0.347677	0.0182801	0.325434	0.018709	0.435805
0.346703	0.0274389	0.346413	0.0213956	0.323016	0.0161187	0.431045
0.345465	0.0271659	0.353314	0.0258247	0.32384	0.0161862	0.43657
0.346967	0.0290584	0.350003	0.0203981	0.324543	0.0165774	0.429246
0.347251	0.0254999	0.355366	0.0237927	0.328706	0.0156096	0.42496
0.349208	0.0275332	0.359108	0.0233109	0.336022	0.0169089	0.441032
0.347396	0.0292956	0.353636	0.0262258	0.334969	0.016741	0.439477
0.350816	0.0277999	0.361711	0.023256	0.337345	0.0149603	0.432867
0.35098	0.0271625	0.364187	0.0292382	0.341803	0.015345	0.440617
0.355974	0.0277914	0.372445	0.0283031	0.347526	0.0186873	0.460382

0.358986	0.0287695	0.371106	0.0279312	0.350389	0.0186788	0.460806
0.369146	0.0278576	0.381592	0.028381	0.360717	0.0155083	0.470588
0.375136	0.0286341	0.396778	0.0320446	0.368679	0.0170051	0.47361
0.380469	0.0276221	0.406476	0.0309305	0.377006	0.0158336	0.481107
0.386173	0.029775	0.405125	0.0329599	0.398271	0.0162245	0.50555
0.391899	0.0310076	0.41799	0.0365811	0.407015	0.0170719	0.509076
0.406601	0.0354212	0.424168	0.04066	0.421487	0.0157775	0.513595
0.413971	0.0353219	0.445936	0.0431036	0.44217	0.0198121	0.544598
0.424543	0.0420321	0.457763	0.0484866	0.459342	0.0261641	0.557364
0.435385	0.0418606	0.468915	0.048262	0.472039	0.0189555	0.559018
0.453747	0.0494724	0.479725	0.0518964	0.492576	0.0189174	0.593498
0.464705	0.0491427	0.494206	0.0631042	0.517385	0.0223507	0.607107
0.476586	0.0535808	0.514799	0.0580688	0.532266	0.0151618	0.611955
0.491543	0.0594796	0.526565	0.0629657	0.553971	0.0222865	0.635754
0.511806	0.0617126	0.540793	0.0758684	0.574643	0.0214618	0.6613
0.521856	0.0658591	0.554153	0.0665572	0.5917	0.0237729	0.672975
0.534537	0.0703352	0.563491	0.0778713	0.613373	0.0285312	0.701737
0.544831	0.0762353	0.576489	0.0681481	0.631762	0.0318014	0.703903
0.555765	0.0762026	0.588484	0.0701704	0.641743	0.0259183	0.706512
0.567474	0.0777174	0.589085	0.0683531	0.656873	0.0313818	0.724015
0.577443	0.0817859	0.588654	0.0671515	0.675727	0.0327963	0.723274
0.586264	0.0809115	0.586271	0.0760226	0.67239	0.026418	0.726437
0.58761	0.0794569	0.58316	0.0690281	0.684147	0.0319127	0.713357
0.585656	0.0809705	0.590378	0.0717178	0.689146	0.0360915	0.725761
0.58912	0.0809518	0.581359	0.077765	0.679632	0.0295235	0.698522
0.586983	0.0827331	0.573979	0.0608476	0.673907	0.0236784	0.727899
0.583656	0.0755819	0.565541	0.0702577	0.663436	0.0301339	0.702997
0.568777	0.0738286	0.548886	0.0577082	0.652603	0.0362848	0.707964
0.563306	0.0712285	0.537688	0.0533707	0.63547	0.0258986	0.671476
0.549657	0.0676246	0.522067	0.0471196	0.615043	0.0280215	0.654165
0.537543	0.056655	0.500567	0.0460074	0.603712	0.0296525	0.624571
0.522302	0.0575515	0.494213	0.0412052	0.579377	0.0272789	0.620182
0.507777	0.0566867	0.473201	0.0422399	0.557557	0.0312242	0.594417
0.489715	0.0533996	0.457416	0.0314412	0.540994	0.0258737	0.569904
0.471478	0.0501328	0.443713	0.0365546	0.514235	0.0273159	0.555993
0.457149	0.0444854	0.425245	0.0299615	0.482806	0.0193363	0.531561
0.439923	0.0430616	0.409666	0.0355294	0.460869	0.0205565	0.505132
0.424962	0.0394851	0.399808	0.0295306	0.447807	0.0238067	0.492208
0.406392	0.0355145	0.382475	0.0234908	0.419298	0.020143	0.470888
0.393275	0.0313148	0.371953	0.0152138	0.399249	0.0172037	0.462291
0.381502	0.0309591	0.361065	0.0246954	0.391015	0.0215668	0.440067
0.371555	0.0285956	0.352008	0.0252994	0.371178	0.0187227	0.430989
0.361755	0.0283096	0.34189	0.0189318	0.353336	0.0228171	0.424402
0.355181	0.0286522	0.34211	0.0303332	0.350046	0.0143282	0.41805
0.342257	0.0286755	0.334003	0.0195048	0.335526	0.0170213	0.402572
0.338714	0.0233063	0.32845	0.0251455	0.330156	0.0175537	0.407153
0.329227	0.028924	0.321969	0.019798	0.315474	0.0154344	0.409577

0.328207	0.0268143	0.323996	0.0252299	0.316726	0.0168537	0.406828
0.324393	0.0257523	0.316517	0.023792	0.311022	0.0168535	0.387461
0.315901	0.0268508	0.315926	0.025141	0.309344	0.0210127	0.390184
0.315175	0.0241217	0.316907	0.0195148	0.304958	0.0104925	0.388948
0.313489	0.0231732	0.310027	0.0230787	0.303111	0.0113705	0.383744
0.311286	0.0261465	0.312031	0.0243748	0.302774	0.0129783	0.3908
0.313456	0.0254801	0.304384	0.0175278	0.295838	0.0147579	0.391398
0.309595	0.0259047	0.313116	0.0224096	0.297754	0.0159275	0.391301
0.307199	0.0259803	0.310749	0.0222453	0.296615	0.0182349	0.376526
0.307574	0.0258205	0.311588	0.02109	0.290512	0.0163451	0.382768
0.308207	0.0252783	0.300284	0.0205372	0.292673	0.0120241	0.375931
0.303097	0.0252834	0.303458	0.0238919	0.289224	0.0145434	0.367125
0.303892	0.0269113	0.298525	0.0225769	0.288329	0.0171424	0.370066
0.298995	0.0240548	0.296751	0.0222386	0.282395	0.0142138	0.370324
0.30351	0.0230952	0.299338	0.0200882	0.282617	0.016611	0.366802
0.300423	0.0257255	0.302361	0.0204555	0.283508	0.0173629	0.363711
0.299076	0.0229595	0.30109	0.0184389	0.285317	0.0177184	0.365954
0.296749	0.0250719	0.296815	0.0206117	0.273842	0.0138342	0.37024
0.297308	0.0232252	0.292637	0.0173581	0.274783	0.013893	0.364688
0.295097	0.0222812	0.296769	0.0223972	0.277553	0.0155967	0.373243
0.2923	0.024874	0.289373	0.0186873	0.276121	0.0155281	0.357431
0.289166	0.0245271	0.292838	0.018996	0.267467	0.0131609	0.368785
0.290942	0.023155	0.293197	0.0224255	0.265498	0.0135769	0.359529
0.288731	0.023577	0.29208	0.0194603	0.265898	0.0141002	0.358981
0.286412	0.0229862	0.29044	0.0166819	0.268474	0.0141549	0.344414
0.287516	0.0213225	0.288178	0.0188223	0.268206	0.0165416	0.355978
0.284331	0.0239364	0.290739	0.0184721	0.26431	0.0148252	0.357948
0.283557	0.0232409	0.283141	0.0232214	0.263489	0.0110044	0.353782
0.282989	0.0211928	0.28579	0.0194251	0.265134	0.0169254	0.355003
0.284751	0.0255233	0.280449	0.0177733	0.258599	0.0136566	0.353974
0.279692	0.0227718	0.280293	0.0210475	0.255546	0.0153423	0.351172
0.27815	0.0221017	0.279489	0.0203061	0.257566	0.0116739	0.358061
0.278423	0.0207999	0.286867	0.0199123	0.258793	0.01149	0.357117
0.27994	0.0226689	0.28008	0.0183879	0.260148	0.0121742	0.353041
0.280626	0.0253013	0.277779	0.018558	0.25552	0.0111247	0.353493
0.277566	0.0198453	0.281663	0.0215032	0.259922	0.0150564	0.360668
0.281966	0.0236646	0.280999	0.024556	0.260046	0.013033	0.345433
0.274559	0.020775	0.277772	0.0209642	0.255709	0.0122067	0.346094
0.278442	0.0223581	0.282026	0.0153962	0.258439	0.010954	0.334144
0.273416	0.0208756	0.283658	0.0242186	0.256848	0.00922117	0.353049
0.276851	0.0207978	0.279639	0.0177952	0.259559	0.0158335	0.34509
0.274383	0.018626	0.275144	0.0229916	0.26185	0.0157154	0.352896
0.275114	0.0211584	0.275533	0.0148286	0.255736	0.0124974	0.361903
0.275897	0.0244391	0.275803	0.02021	0.256361	0.0142218	0.35531
0.276158	0.0212103	0.276887	0.0214737	0.256012	0.0152786	0.350449
0.273623	0.0209088	0.272893	0.0187178	0.260718	0.013051	0.344431
0.271224	0.0223356	0.280602	0.0179683	0.260765	0.0117901	0.343951

0.27233	0.0210216	0.27412	0.0209203	0.257982	0.00934941	0.331298
0.271748	0.0194464	0.271916	0.0162068	0.258131	0.0127139	0.338477
0.272403	0.024004	0.277775	0.0215939	0.255906	0.0144028	0.346172
0.272544	0.0195157	0.276407	0.0205147	0.261936	0.0170737	0.350509
0.269835	0.020706	0.277048	0.0122776	0.263135	0.0103681	0.3455
0.271481	0.0222822	0.271532	0.022029	0.261213	0.0139539	0.347309
0.270782	0.0207057	0.275464	0.0156341	0.255851	0.0109707	0.336806
0.270452	0.0230775	0.272351	0.0195711	0.260729	0.0136486	0.344535
0.269078	0.0179427	0.27476	0.021697	0.259164	0.0139141	0.339272
0.270142	0.0214056	0.269812	0.0193894	0.260187	0.0145563	0.340807
0.272882	0.0205479	0.271753	0.0205855	0.261323	0.0123258	0.341503
0.270145	0.0238305	0.269683	0.0212365	0.260684	0.0108759	0.336682
0.270476	0.019679	0.265316	0.0188411	0.261477	0.0175706	0.330529
0.270793	0.0213706	0.273912	0.0199248	0.258304	0.0148587	0.35035
0.269583	0.0174348	0.27077	0.0159474	0.257504	0.013459	0.333739
0.267251	0.0206949	0.278392	0.0162054	0.259649	0.017781	0.337163
0.269835	0.0190401	0.27059	0.0173784	0.259099	0.0109478	0.346297
0.267768	0.0217936	0.268835	0.0189252	0.260861	0.0170058	0.326312
0.268459	0.0203462	0.272724	0.0154226	0.255313	0.0137512	0.345453
0.26701	0.0206291	0.261665	0.015721	0.251063	0.0169964	0.34336
0.266304	0.0204485	0.261776	0.0168088	0.25469	0.0114121	0.337609
0.266331	0.0190319	0.26068	0.0186471	0.260021	0.0111912	0.338492
0.263384	0.0240523	0.260388	0.0141556	0.249275	0.0120857	0.33932
0.265551	0.0222953	0.26793	0.0224945	0.254666	0.0121221	0.345342
0.263288	0.0200868	0.261265	0.0265667	0.252723	0.0157176	0.336355
0.263719	0.0212301	0.257024	0.0204219	0.251131	0.0117838	0.33458
0.263091	0.0215113	0.265298	0.0155137	0.24986	0.0123298	0.334462
0.261512	0.0179379	0.262517	0.0213234	0.245047	0.0135779	0.328406
0.26107	0.020931	0.261576	0.0195948	0.244202	0.0161001	0.338948
0.259995	0.0161011	0.265807	0.023043	0.24406	0.0139055	0.325044
0.257515	0.0216574	0.266043	0.0183182	0.247227	0.0147327	0.330919
0.259625	0.0222267	0.26003	0.0197557	0.24266	0.0135949	0.330978
0.258292	0.0214667	0.251723	0.0175915	0.24453	0.0139724	0.335887
0.257895	0.0199427	0.259618	0.0207703	0.24406	0.0134211	0.337256
0.255663	0.0196079	0.256709	0.0185247	0.242874	0.0177739	0.335113
0.259214	0.0196657	0.251136	0.0159116	0.241289	0.0109185	0.327719
0.253874	0.0184075	0.259195	0.0183691	0.235618	0.0149047	0.331958
0.256245	0.0220393	0.254895	0.0173708	0.239193	0.0161947	0.335915
0.255998	0.0246763	0.257002	0.0136024	0.241215	0.00991097	0.330656
0.251528	0.0208915	0.259581	0.0184446	0.242797	0.00986263	0.334659
0.254536	0.0211256	0.256159	0.0163115	0.23685	0.014024	0.323421
0.250648	0.0193535	0.249937	0.0185203	0.239852	0.0116542	0.325123
0.253006	0.0194885	0.252428	0.0191627	0.237274	0.0156142	0.309492
0.25205	0.0194539	0.249043	0.018624	0.233996	0.0129199	0.321638
0.250688	0.0187332	0.249677	0.018005	0.233935	0.0160161	0.326289
0.248529	0.0212056	0.252301	0.0171399	0.229808	0.0118027	0.319769
0.250306	0.0182643	0.24949	0.018858	0.23256	0.0108665	0.305782

0.251463	0.0182002	0.253578	0.02015	0.232992	0.0119223	0.313841
0.248709	0.0207648	0.254303	0.0184494	0.237569	0.0125443	0.302673
0.246496	0.0227633	0.251872	0.0175173	0.23309	0.0122934	0.311881
0.249053	0.0206274	0.250921	0.0129434	0.230535	0.0165905	0.309531
0.249388	0.0198743	0.256284	0.0200453	0.227447	0.0114636	0.318276
0.246153	0.0202295	0.25093	0.0167111	0.230494	0.0135953	0.309221
0.247263	0.0161742	0.249256	0.014967	0.232009	0.0105185	0.31135
0.248388	0.0185832	0.249104	0.0189622	0.231216	0.0144359	0.320389
0.248886	0.0192135	0.248567	0.0196055	0.227687	0.0130605	0.316859
0.243966	0.0201	0.24928	0.0152275	0.22827	0.0163027	0.304095
0.245984	0.0198557	0.244103	0.0212808	0.230039	0.0143527	0.316771
0.246619	0.0203059	0.249729	0.0148449	0.226066	0.0130365	0.305995
0.243885	0.0203236	0.249222	0.0162527	0.225548	0.0143107	0.316063
0.244142	0.0191914	0.239958	0.018313	0.228722	0.00963702	0.309687
0.242839	0.0194459	0.242053	0.0174349	0.230675	0.0145003	0.315254
0.2441	0.0204005	0.245141	0.0218096	0.228096	0.0149033	0.306365
0.240792	0.0215489	0.24736	0.0181951	0.225006	0.0113689	0.31909
0.243978	0.0183609	0.240479	0.0160237	0.223869	0.0124561	0.310816
0.242092	0.019896	0.239783	0.0150053	0.221842	0.0146421	0.31096
0.240548	0.0190705	0.239509	0.0157455	0.220865	0.010363	0.307723
0.244732	0.0167889	0.242724	0.0145197	0.228192	0.0129917	0.323991
0.239913	0.0209095	0.246638	0.017768	0.220105	0.0117048	0.312889
0.24167	0.0188752	0.23946	0.0170648	0.226677	0.0085934	0.313757
0.241576	0.0193533	0.241325	0.0183522	0.223923	0.0130422	0.323958
0.24233	0.0196278	0.239015	0.0162932	0.222874	0.0140699	0.320946
0.241414	0.0170615	0.240801	0.0139794	0.223047	0.0128332	0.318251
0.242051	0.017966	0.24389	0.0191691	0.227514	0.0111752	0.311489
0.238251	0.0179771	0.241441	0.0167696	0.222959	0.0137755	0.318998
0.242766	0.0195603	0.245962	0.0166851	0.229751	0.0128231	0.309029
0.23877	0.0168384	0.240097	0.0165497	0.226562	0.0176553	0.313237
0.236963	0.0190499	0.246465	0.0170518	0.228166	0.0127141	0.316989
0.240669	0.0226951	0.243331	0.0190475	0.226343	0.0126649	0.309623
0.241753	0.0201936	0.238283	0.0163493	0.225768	0.0106195	0.325161
0.241546	0.019194	0.244287	0.0173442	0.229309	0.0104908	0.319047
0.2399	0.0191493	0.243007	0.016279	0.224167	0.0134748	0.306999
0.242895	0.0209726	0.247024	0.0166146	0.229621	0.0131704	0.323818
0.242089	0.0226664	0.246012	0.0152845	0.233942	0.0154876	0.312928
0.241252	0.0240997	0.252852	0.0215979	0.234685	0.0126689	0.324029
0.242222	0.0213705	0.250318	0.0175329	0.231926	0.012808	0.323517
0.247175	0.0224903	0.25203	0.0161387	0.236712	0.0114929	0.329103
0.245804	0.0227961	0.250576	0.0147274	0.235166	0.0158787	0.324428
0.244314	0.0223154	0.254492	0.0196384	0.239352	0.0137516	0.336575
0.246509	0.0268868	0.25379	0.0175235	0.237318	0.014859	0.333048
0.247693	0.0251447	0.255917	0.0205671	0.241722	0.0154185	0.334611
0.247657	0.0276929	0.254831	0.0215646	0.240685	0.0140956	0.350017
0.244981	0.0270855	0.249607	0.0143519	0.241218	0.0148036	0.335902
0.251571	0.0234811	0.256378	0.0187581	0.242351	0.0106048	0.325902

0.250008	0.0259477	0.255064	0.0199358	0.241341	0.0129963	0.326483
0.249892	0.0231455	0.253806	0.0248881	0.241948	0.0130385	0.330562
0.252571	0.0271395	0.258383	0.0172118	0.242545	0.014866	0.336719
0.249921	0.0238468	0.252601	0.0164026	0.248246	0.0101076	0.334478
0.250331	0.0230793	0.253388	0.0131723	0.246107	0.0131547	0.338109
0.252099	0.0255735	0.256048	0.0193946	0.250777	0.0128171	0.319648
0.252742	0.0231047	0.258311	0.0141232	0.247431	0.0131083	0.34208
0.255258	0.0268187	0.260147	0.0201097	0.253413	0.0105149	0.333944
0.256351	0.0241326	0.263836	0.0191044	0.250032	0.0135433	0.326671
0.255943	0.0236602	0.259487	0.0158847	0.252223	0.0129857	0.332019
0.25743	0.0245884	0.260871	0.0186991	0.252298	0.0143453	0.343343
0.257249	0.0188523	0.262819	0.0202098	0.249627	0.0137455	0.329618
0.255477	0.0198979	0.270161	0.0183526	0.25412	0.0140129	0.341155
0.258344	0.0222658	0.260238	0.0192801	0.257667	0.016199	0.336944
0.261828	0.0220842	0.268572	0.0220231	0.25681	0.0158564	0.339102
0.26102	0.0225969	0.266673	0.0191169	0.261477	0.0124781	0.34365
0.260155	0.0207476	0.267656	0.0208556	0.257788	0.014514	0.3456
0.266038	0.0221664	0.265785	0.0213336	0.261365	0.0158476	0.346393
0.267019	0.0202618	0.266245	0.0210613	0.268302	0.0147805	0.341154
0.267779	0.0209159	0.274791	0.0252935	0.263527	0.018795	0.334057
0.267781	0.0214809	0.271457	0.0202732	0.268973	0.0157109	0.354107
0.26875	0.0235524	0.275352	0.0191334	0.266185	0.0132741	0.336843
0.270464	0.0223235	0.26787	0.0245271	0.26971	0.0147169	0.35018
0.271061	0.0223944	0.267733	0.0196004	0.266688	0.0146543	0.344728
0.271638	0.0236215	0.268184	0.0234804	0.267068	0.0120918	0.351041
0.269486	0.0227742	0.26969	0.017459	0.265482	0.0125264	0.340079
0.27286	0.0259272	0.272632	0.0183165	0.260571	0.0130128	0.331753
0.272538	0.0209632	0.268195	0.0205682	0.26332	0.0141657	0.337056
0.269521	0.022658	0.26556	0.0218682	0.262707	0.0159349	0.330528
0.265391	0.0218144	0.267707	0.0214511	0.258521	0.0112296	0.327129
0.267954	0.0224864	0.262487	0.018865	0.256265	0.0150678	0.316782
0.266939	0.0226194	0.259656	0.0222046	0.254925	0.0134471	0.333422
0.268981	0.017304	0.259591	0.0166557	0.252805	0.0116476	0.328058
0.262768	0.0193443	0.257709	0.0265198	0.25351	0.0135655	0.319768
0.259154	0.0229892	0.257516	0.0196323	0.246149	0.0113043	0.327053
0.260949	0.0222363	0.255739	0.0195419	0.251416	0.0133039	0.316702
0.25776	0.0205417	0.257054	0.0167733	0.247845	0.012272	0.311872
0.254859	0.021891	0.255497	0.0199886	0.239172	0.0115766	0.298045
0.253505	0.0203552	0.255124	0.0195213	0.241168	0.0106515	0.309436
0.254621	0.0194292	0.254615	0.0173472	0.240706	0.0126877	0.307795
0.25249	0.0216788	0.251867	0.0225492	0.243037	0.0104659	0.314546
0.252046	0.0193311	0.25302	0.0170564	0.238423	0.0141793	0.303471
0.252147	0.018876	0.247917	0.0168012	0.233707	0.0164485	0.308355
0.248933	0.0185569	0.250714	0.0199517	0.236393	0.0139696	0.303482
0.253845	0.0159292	0.249856	0.0166009	0.233377	0.0136561	0.292654
0.251139	0.0161398	0.252335	0.0123594	0.237451	0.0116811	0.311322
0.249853	0.0179097	0.2513	0.0165841	0.237987	0.0126542	0.307467

0.249025	0.0164395	0.249536	0.0167244	0.235949	0.0145444	0.299223
0.252548	0.0198259	0.254759	0.0205105	0.237248	0.012908	0.309331
0.252831	0.018713	0.257525	0.0154323	0.236615	0.00991837	0.298056
0.255291	0.0195176	0.256507	0.020142	0.241656	0.0139047	0.291896
0.252353	0.0165294	0.257268	0.0178659	0.239308	0.0163823	0.303195
0.251937	0.0191557	0.255553	0.0180463	0.244697	0.0146415	0.310598
0.251873	0.0207293	0.256795	0.0177784	0.240976	0.0134199	0.300678
0.252263	0.0208261	0.25925	0.0189469	0.247129	0.0129592	0.311644
0.258079	0.0166328	0.258986	0.0219466	0.245406	0.0119765	0.305946
0.254085	0.0185682	0.256075	0.0148886	0.247387	0.0175978	0.303451
0.253126	0.0185076	0.256075	0.0202035	0.242464	0.0150191	0.309253
0.254903	0.0225748	0.258635	0.0192246	0.245912	0.0149196	0.307295
0.256273	0.017863	0.256115	0.0153183	0.246749	0.0142435	0.313538
0.258393	0.0190977	0.260923	0.0188947	0.247973	0.010754	0.318148
0.261111	0.018439	0.265182	0.0205123	0.246762	0.0115915	0.31732
0.257666	0.0196063	0.260926	0.0221442	0.247753	0.0151198	0.312263
0.264595	0.0217965	0.261877	0.011037	0.251967	0.011825	0.312608
0.260472	0.0244301	0.260859	0.0208183	0.253035	0.012847	0.303665
0.26167	0.0206866	0.25995	0.0165057	0.252773	0.0157579	0.30616
0.264825	0.0204195	0.262575	0.0191238	0.251524	0.0105994	0.303651
0.263051	0.0200883	0.266499	0.0168837	0.257151	0.0158074	0.309745
0.264069	0.0221799	0.266911	0.0175426	0.24949	0.0143336	0.31594
0.26511	0.0202823	0.264232	0.0196532	0.255878	0.0129313	0.31094
0.267197	0.0187056	0.268831	0.0151321	0.257619	0.0141202	0.31066
0.270144	0.0206941	0.274288	0.0172473	0.253901	0.0157259	0.316517
0.268773	0.0216954	0.271761	0.0153745	0.259944	0.0136107	0.310459
0.268571	0.0198878	0.27472	0.0171145	0.263356	0.0130558	0.315395
0.273234	0.0188722	0.276043	0.0217503	0.261851	0.012495	0.300027
0.274231	0.0182641	0.275298	0.0194158	0.265964	0.0165959	0.325597
0.276139	0.0200633	0.27659	0.0215965	0.262218	0.0148951	0.318926
0.278938	0.0213483	0.279104	0.0213919	0.266599	0.0131159	0.319211
0.279483	0.0181982	0.27651	0.0134142	0.269312	0.0108876	0.331506
0.279414	0.0182487	0.285527	0.0182795	0.269264	0.0158174	0.318617
0.281158	0.018505	0.287448	0.0195663	0.273643	0.0114633	0.329573
0.285469	0.0186154	0.288939	0.0200272	0.278145	0.0145442	0.329574
0.288672	0.0185489	0.290449	0.0193032	0.278011	0.0139262	0.327839
0.29118	0.0221315	0.293782	0.0192664	0.284767	0.0118785	0.333681
0.292188	0.0226427	0.295712	0.0223447	0.282282	0.011905	0.325146
0.294505	0.0203038	0.300121	0.0206755	0.285985	0.0137477	0.342654
0.293566	0.0209393	0.303414	0.0194929	0.281008	0.0175788	0.338996
0.297534	0.0166629	0.304867	0.0205022	0.292217	0.0148348	0.346029
0.300455	0.0213895	0.307159	0.0182492	0.303584	0.0158216	0.346311
0.304243	0.0189451	0.311678	0.0165537	0.2971	0.0128455	0.351917
0.305326	0.0197182	0.31077	0.0210675	0.302513	0.0149744	0.345724
0.309887	0.0216058	0.312151	0.0202877	0.307319	0.018011	0.344396
0.312048	0.0218274	0.32455	0.0162842	0.311035	0.0104974	0.355931
0.315995	0.0196804	0.324464	0.0193158	0.313614	0.0129968	0.365586

0.322401	0.0189547	0.328647	0.019343	0.319728	0.0146505	0.344061
0.322496	0.0212055	0.334587	0.017437	0.327856	0.0139217	0.3666
0.330632	0.0196879	0.341166	0.0193546	0.326911	0.0145971	0.368865
0.329745	0.0198719	0.334387	0.0219895	0.334797	0.0148965	0.3727
0.341503	0.0236771	0.344126	0.0169604	0.341305	0.0153693	0.36944
0.344811	0.0230978	0.351596	0.0253277	0.343831	0.0155535	0.37076
0.347607	0.0206893	0.362356	0.0202448	0.359843	0.0161063	0.392019
0.351906	0.0216859	0.368949	0.021168	0.358847	0.0241575	0.389321
0.356593	0.0238197	0.376103	0.0249576	0.374329	0.0184786	0.391758
0.367299	0.0212957	0.373629	0.0168554	0.378843	0.016309	0.382292
0.371058	0.0217055	0.3821	0.0190488	0.382375	0.016032	0.390263
0.382511	0.0202653	0.393662	0.0270993	0.391795	0.0131222	0.405344
0.38704	0.0237636	0.399597	0.018787	0.401832	0.0208458	0.415503
0.394257	0.024591	0.412057	0.0225585	0.417209	0.0177888	0.440509
0.401963	0.0243175	0.425042	0.0268172	0.427746	0.0202967	0.433404
0.41468	0.0239572	0.425175	0.0218068	0.434242	0.0217048	0.430772
0.420292	0.0224679	0.431904	0.0230492	0.453694	0.018051	0.437694
0.43303	0.0270287	0.451444	0.0257424	0.458096	0.018933	0.448171
0.444213	0.0226441	0.45954	0.0195778	0.47171	0.020557	0.448803
0.451826	0.0258365	0.465541	0.0195421	0.48069	0.0235713	0.46984
0.465081	0.0246095	0.486913	0.0247774	0.503254	0.0207355	0.478013
0.474963	0.0222392	0.496331	0.0241229	0.509344	0.0199169	0.491279
0.487332	0.025502	0.505245	0.0237538	0.528877	0.018907	0.500347
0.499277	0.0260887	0.524045	0.0227386	0.543634	0.0200675	0.510165
0.513245	0.0220213	0.542483	0.0245725	0.562452	0.0222842	0.50458
0.525005	0.0251323	0.558073	0.0225456	0.570826	0.0165235	0.514434
0.540221	0.0265003	0.558459	0.024943	0.591267	0.0208055	0.551466
0.556755	0.0262625	0.591097	0.0265439	0.605661	0.0253969	0.53799
0.570366	0.028522	0.594685	0.0303151	0.622564	0.0239715	0.541721
0.585289	0.0279042	0.617288	0.0175908	0.643001	0.0265125	0.579883
0.59922	0.0301049	0.639387	0.0212707	0.654574	0.0264548	0.58198
0.620139	0.0291919	0.644425	0.0286708	0.672716	0.0202292	0.598639
0.632026	0.030376	0.665703	0.0228046	0.692206	0.0166971	0.596296
0.647774	0.0312636	0.6803	0.0306381	0.707317	0.0206571	0.620647
0.661859	0.0262497	0.695472	0.0302066	0.721745	0.0240791	0.637122
0.678294	0.0315979	0.701715	0.0266521	0.74038	0.0260881	0.648112
0.695027	0.0272985	0.728148	0.0363027	0.752107	0.0212028	0.651535
0.714537	0.0302504	0.746214	0.0210226	0.782806	0.0221272	0.666351
0.72687	0.0358867	0.76443	0.0286046	0.788835	0.0300879	0.679241
0.74464	0.0329808	0.775273	0.0301175	0.817467	0.0256139	0.689324
0.765413	0.0329589	0.793387	0.0265463	0.827224	0.0255009	0.695261
0.776516	0.034469	0.804558	0.0303222	0.841719	0.0309188	0.724238
0.789633	0.0335298	0.81668	0.0244764	0.855422	0.0270313	0.723409
0.806584	0.0328269	0.838846	0.0303673	0.863762	0.0292946	0.74356
0.822753	0.0342329	0.843953	0.0305898	0.879883	0.0303741	0.739605
0.841144	0.0310525	0.859676	0.027155	0.894282	0.021986	0.742947
0.851784	0.0315948	0.874343	0.0254948	0.911158	0.0306164	0.766735

0.865463	0.0325401	0.894189	0.0379775	0.917468	0.024621	0.774827
0.875264	0.0350821	0.897684	0.0394417	0.927549	0.0216385	0.773016
0.89137	0.034832	0.90525	0.0284221	0.935135	0.0267759	0.795449
0.89786	0.0334404	0.921731	0.0401188	0.930089	0.0282339	0.795953
0.907989	0.0281971	0.92676	0.0311428	0.951941	0.0291146	0.824272
0.919662	0.0361628	0.926131	0.0401681	0.961426	0.027854	0.826801
0.924247	0.0364583	0.940907	0.0338074	0.959757	0.029191	0.829475
0.929783	0.0344865	0.939835	0.0305851	0.967559	0.0199547	0.832529
0.933497	0.0316707	0.948476	0.0369252	0.963502	0.0236022	0.85217
0.941957	0.0347977	0.952949	0.036814	0.96873	0.0244649	0.845742
0.947601	0.0346026	0.956301	0.0311772	0.967145	0.0250172	0.850407
0.947307	0.0298364	0.948333	0.0406847	0.953022	0.0319778	0.868806
0.954921	0.0316146	0.965795	0.0272638	0.9638	0.0262456	0.881659
0.953854	0.0355495	0.956302	0.0336316	0.955216	0.0288643	0.873993
0.954713	0.0321229	0.953957	0.0332246	0.949406	0.0272166	0.878795
0.946021	0.033541	0.950893	0.0328395	0.951729	0.0271549	0.889599
0.938327	0.0360917	0.941494	0.0276489	0.934739	0.0272295	0.884116
0.938705	0.0347615	0.933506	0.0318147	0.934796	0.0283444	0.891177
0.938308	0.0346398	0.930504	0.0297254	0.922923	0.0307706	0.900298
0.927156	0.0363764	0.92206	0.033863	0.908957	0.0273958	0.905223
0.923768	0.0316868	0.910546	0.0351635	0.895107	0.0279129	0.90233
0.920656	0.0375168	0.898423	0.0341396	0.876041	0.0271332	0.91527
0.901714	0.0351604	0.886075	0.0313758	0.864285	0.027928	0.892902
0.896334	0.0349893	0.885484	0.0323233	0.860319	0.0302198	0.907426
0.883857	0.0333975	0.867651	0.0339184	0.844861	0.0236658	0.902206
0.876555	0.0327102	0.850575	0.0301315	0.820688	0.0277322	0.891177
0.862799	0.0347948	0.844478	0.0387539	0.802419	0.021734	0.894094
0.84386	0.0332224	0.825184	0.0297723	0.793972	0.0267491	0.910327
0.836079	0.0388406	0.810516	0.0285787	0.771204	0.0260231	0.879467
0.823555	0.0307893	0.803445	0.0251958	0.755328	0.0261474	0.867001
0.806464	0.0340701	0.776573	0.0299291	0.740027	0.0235432	0.871759
0.785427	0.03798	0.773373	0.0290228	0.719495	0.024949	0.861737
0.768556	0.0328597	0.743431	0.0304555	0.706509	0.0259197	0.850744
0.759876	0.0326164	0.728435	0.024645	0.682654	0.0218836	0.819658
0.741223	0.0319877	0.706083	0.0290139	0.659962	0.017507	0.836369
0.725023	0.0325695	0.694365	0.0251753	0.649345	0.0223821	0.813577
0.704589	0.0296819	0.673586	0.0253742	0.629123	0.0238431	0.808563
0.688292	0.0312848	0.655165	0.0225838	0.610157	0.0277509	0.788899
0.667866	0.0293814	0.642017	0.0277181	0.59974	0.0242178	0.76045
0.658667	0.0350867	0.631687	0.0200558	0.578914	0.0219269	0.740352
0.639084	0.030987	0.597062	0.0249929	0.56302	0.0222141	0.705057
0.619575	0.0282167	0.579906	0.0297153	0.541777	0.0228326	0.697487
0.606965	0.0319889	0.574755	0.0213591	0.527519	0.0189671	0.66689
0.585553	0.0327679	0.556904	0.0259151	0.507079	0.0241988	0.648434
0.573779	0.0265435	0.540366	0.0276016	0.496136	0.0177872	0.62875
0.554929	0.0291507	0.526021	0.0266893	0.472435	0.0196936	0.622544
0.539613	0.0297695	0.514344	0.0279486	0.468209	0.0232798	0.588399

0.519337	0.0296895	0.494356	0.0270112	0.454205	0.0187359	0.574432
0.510709	0.0270657	0.48496	0.0227396	0.437126	0.0194244	0.558717
0.498991	0.028809	0.476734	0.020807	0.424165	0.0167827	0.53179
0.478735	0.0296366	0.453007	0.0285272	0.411657	0.0183361	0.52463
0.469461	0.0247595	0.440991	0.0234478	0.395801	0.0148318	0.495064
0.454628	0.0283711	0.43437	0.0201006	0.392233	0.0123143	0.484339
0.440259	0.026572	0.422172	0.017471	0.378769	0.0170953	0.475085
0.428599	0.0268449	0.409621	0.0267353	0.365347	0.0161878	0.447431
0.414444	0.0209805	0.394251	0.0199	0.357783	0.0168658	0.442534
0.408827	0.0265715	0.389489	0.0199475	0.345334	0.0157748	0.434324
0.39428	0.0260292	0.380105	0.0238093	0.338486	0.016373	0.412674
0.385188	0.0224988	0.369911	0.0209516	0.329135	0.0144613	0.407943
0.374183	0.0242303	0.357356	0.0226074	0.324084	0.0183182	0.413909
0.366746	0.023162	0.349036	0.0165927	0.316217	0.016353	0.398871
0.35454	0.0224336	0.341579	0.0234899	0.308416	0.0133923	0.371687
0.351319	0.0200522	0.333537	0.0181249	0.297677	0.0134822	0.37356
0.340472	0.0207968	0.327593	0.0194635	0.298884	0.0150595	0.369481
0.333976	0.0235745	0.314819	0.0198322	0.284394	0.0132749	0.350979
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0.314044	0.0193497	0.298715	0.0162566	0.272769	0.0142717	0.35808
0.312812	0.0218994	0.290498	0.0191574	0.267813	0.0147484	0.340242
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0.293526	0.0209484	0.283053	0.0145006	0.263085	0.01183	0.328661
0.292658	0.0215426	0.279885	0.014526	0.257159	0.012118	0.331536
0.287913	0.0161515	0.273956	0.0223633	0.254094	0.0144669	0.312722
0.280134	0.0215614	0.270118	0.0234124	0.248718	0.0125288	0.307532
0.274834	0.0207211	0.263855	0.0149604	0.243831	0.0148843	0.320321
0.269115	0.018943	0.261307	0.0167382	0.24132	0.0102792	0.301661
0.263996	0.0212707	0.25119	0.0174653	0.240327	0.0117913	0.30079
0.259318	0.0198921	0.247881	0.015279	0.226652	0.0080209	0.308737
0.253119	0.0199672	0.24268	0.0171696	0.228584	0.0139423	0.291798
0.247208	0.0201169	0.239642	0.0169694	0.223156	0.0135666	0.298016
0.241851	0.0203895	0.23095	0.018758	0.220553	0.0108394	0.290064
0.24113	0.0189432	0.229886	0.0124592	0.21909	0.0145042	0.294277
0.233949	0.018586	0.229556	0.0165456	0.215285	0.0140299	0.281975
0.231749	0.0197656	0.220429	0.0214143	0.20883	0.011679	0.274241
0.227022	0.0170633	0.217865	0.0140195	0.211607	0.014491	0.282741
0.222098	0.017143	0.218872	0.0157955	0.203375	0.0118938	0.284983
0.219065	0.015641	0.211248	0.0172965	0.20253	0.0122299	0.270667
0.21135	0.0161552	0.212339	0.0122309	0.200249	0.0132644	0.289946
0.210463	0.0152144	0.207178	0.0151919	0.196024	0.0137027	0.289967
0.206925	0.0182444	0.201294	0.0145458	0.190694	0.0128149	0.281494
0.203669	0.0170069	0.198961	0.0184978	0.187399	0.0106001	0.294852
0.201121	0.0170341	0.197373	0.0135829	0.183807	0.0106938	0.277735
0.197029	0.016028	0.196577	0.017063	0.184258	0.0107909	0.290293
0.195624	0.0145396	0.190536	0.0153441	0.182349	0.00899204	0.28485
0.19469	0.0160783	0.188772	0.0137414	0.176579	0.0108333	0.288522

0.190229	0.0164782	0.186398	0.0137703	0.180187	0.0119627	0.289413
0.189797	0.0170903	0.185369	0.0176812	0.178047	0.0129813	0.282079
0.185415	0.0151045	0.18535	0.0176004	0.176437	0.0107589	0.299605
0.188423	0.0163761	0.189512	0.0115211	0.175167	0.00855991	0.296005
0.184042	0.0148513	0.194854	0.0164561	0.171708	0.0128839	0.296044
0.187148	0.0170777	0.192042	0.0159669	0.173535	0.0101539	0.300791
0.184448	0.0154713	0.200598	0.0155887	0.17028	0.0109145	0.304163
0.18333	0.0155769	0.198472	0.0159787	0.174616	0.0143748	0.310073
0.190341	0.0192335	0.199134	0.019688	0.174707	0.011485	0.320992
0.192043	0.016992	0.211422	0.0137863	0.181251	0.0124467	0.330293
0.198356	0.0219237	0.215727	0.0204123	0.180838	0.0101474	0.339803
0.199474	0.0179701	0.226831	0.0256388	0.189136	0.00945993	0.353321
0.207473	0.0203754	0.236468	0.0214887	0.192334	0.0100439	0.379948
0.213718	0.0219681	0.246516	0.0231266	0.203912	0.0145602	0.385529
0.223958	0.0218934	0.255307	0.0270988	0.206801	0.009867	0.404385
0.235642	0.0229086	0.27826	0.0214218	0.218899	0.0132573	0.433588
0.241368	0.0233329	0.289123	0.0219221	0.225116	0.0153914	0.462164
0.256712	0.0268666	0.311595	0.0286566	0.240791	0.0152889	0.498664
0.272946	0.03357	0.333205	0.036909	0.249073	0.0134413	0.526158
0.29342	0.0339954	0.349694	0.0325025	0.263	0.01866	0.55789
0.307754	0.0343822	0.370307	0.0373491	0.277202	0.0175174	0.600128
0.324393	0.0304907	0.401829	0.0397664	0.295493	0.0121085	0.64042
0.347023	0.0387142	0.419372	0.0440708	0.307301	0.0184157	0.708125
0.366519	0.048655	0.445215	0.0440767	0.326556	0.0141577	0.738874
0.392654	0.0497997	0.461542	0.0524005	0.336524	0.021419	0.776923
0.413602	0.0475914	0.485675	0.0568858	0.357804	0.0157467	0.842352
0.431078	0.0502186	0.512192	0.0564348	0.376902	0.0195132	0.872137
0.459438	0.0617185	0.530558	0.0588019	0.392693	0.018354	0.914993
0.482968	0.0613779	0.552928	0.0620198	0.41471	0.0209146	0.956749
0.501597	0.0617201	0.57377	0.0709712	0.425071	0.0187971	1.01615
0.523293	0.0605718	0.600875	0.061017	0.43768	0.024792	1.07953
0.549587	0.0715152	0.625932	0.0704187	0.456084	0.0206363	1.09864
0.564872	0.0730411	0.637022	0.0740886	0.471954	0.0240183	1.13166
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0.624263	0.0785491	0.679182	0.0843268	0.499058	0.0191195	1.25253
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0.645857	0.0849936	0.693299	0.0817989	0.523865	0.0205641	1.31298
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0.673719	0.0870461	0.687451	0.0746154	0.528843	0.0209327	1.29374
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0.678603	0.0901956	0.677514	0.0641346	0.526589	0.02202	1.27718
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0.676225	0.0915346	0.670008	0.0746842	0.515504	0.0255059	1.26805
0.659845	0.0845131	0.635146	0.0639704	0.499653	0.0235768	1.23331
0.654834	0.0900173	0.613488	0.0685828	0.491009	0.0232158	1.18864
0.640969	0.0906144	0.587578	0.0653042	0.479914	0.0171441	1.16398

0.623423	0.0974956	0.56221	0.0566241	0.466791	0.0232728	1.09986
0.595721	0.0760391	0.539551	0.0656734	0.444417	0.0267321	1.04062
0.570754	0.0770756	0.512363	0.0589665	0.41812	0.0209443	1.00589
0.543605	0.0800625	0.472536	0.0539325	0.397403	0.0160808	0.937743
0.517655	0.0691244	0.436814	0.0518452	0.379754	0.0161136	0.892747
0.486319	0.0684888	0.405946	0.0485934	0.352435	0.0168641	0.807136
0.460364	0.0551941	0.380926	0.0433355	0.328061	0.0151431	0.753108
0.427574	0.0541027	0.350903	0.0371334	0.311098	0.0145673	0.699886
0.395753	0.0525673	0.313946	0.0325805	0.282099	0.0167015	0.651188
0.365623	0.0494382	0.294427	0.0368234	0.265727	0.0148407	0.581909
0.334039	0.038628	0.268049	0.0349519	0.239611	0.0115253	0.524715
0.310458	0.0396597	0.24503	0.0271148	0.223408	0.0146582	0.460552
0.283082	0.0369391	0.229076	0.0276106	0.211032	0.013924	0.431263
0.257979	0.0328493	0.204773	0.0259694	0.191978	0.0102878	0.398806
0.239092	0.032314	0.187881	0.0159819	0.180399	0.0117804	0.354746
0.21877	0.02823	0.180295	0.0254973	0.170258	0.0112147	0.31477
0.199855	0.023227	0.167797	0.0160554	0.158761	0.0107385	0.296285
0.183308	0.0229314	0.157847	0.0181694	0.148132	0.008828	0.266233
0.174477	0.0230966	0.144992	0.0148585	0.139917	0.0100364	0.251682
0.163038	0.0192025	0.139349	0.0153584	0.137897	0.00750698	0.240008
0.151692	0.0204451	0.134025	0.0140838	0.129973	0.0097802	0.226888
0.145093	0.0163941	0.127988	0.0124497	0.125196	0.00928703	0.213403
0.139195	0.0189691	0.126993	0.0118024	0.119386	0.00911401	0.201708
0.13065	0.0140711	0.12502	0.0139651	0.120359	0.0113471	0.189462
0.128649	0.0159062	0.122477	0.0115524	0.121071	0.00768478	0.191041
0.124572	0.0139756	0.116421	0.0107779	0.116245	0.00964147	0.181853
0.122325	0.0153868	0.113045	0.0117456	0.11227	0.00950028	0.1787
0.119906	0.013354	0.119499	0.0134584	0.112786	0.00899454	0.169678
0.1173	0.013272	0.117738	0.0124982	0.11224	0.00985398	0.179615
0.116113	0.0143102	0.114644	0.0104714	0.111676	0.0112589	0.166976
0.115252	0.0127595	0.11949	0.0123551	0.112859	0.00898895	0.162673
0.11507	0.0137879	0.115628	0.0123007	0.111511	0.00853906	0.162909
0.116144	0.0134696	0.111161	0.0115936	0.109335	0.0105326	0.161114
0.112622	0.0122366	0.114557	0.012062	0.11073	0.00761779	0.156315
0.115475	0.011998	0.11537	0.0143539	0.110709	0.00820042	0.149447
0.113941	0.0118714	0.113759	0.0126852	0.111451	0.00908741	0.159289
0.11375	0.0128454	0.115878	0.0161959	0.112363	0.0106027	0.161113
0.116157	0.0129152	0.117864	0.0095703	0.112533	0.0097241	0.151005
0.114423	0.0119411	0.117962	0.0130394	0.115973	0.00742504	0.155367
0.116063	0.0122881	0.118699	0.0147603	0.111351	0.00801164	0.151179
0.117356	0.0126546	0.116455	0.013001	0.112465	0.00626227	0.15099
0.118171	0.0122658	0.117199	0.00999868	0.115852	0.00920016	0.148608
0.118309	0.013035	0.118403	0.0126529	0.116381	0.00747057	0.153271
0.11512	0.0129173	0.116911	0.0116672	0.114499	0.00825664	0.148804
0.119325	0.0126728	0.115186	0.0130972	0.116902	0.00834933	0.155221
0.119245	0.0136971	0.116236	0.0130681	0.116792	0.0107288	0.149554
0.116671	0.0112578	0.121118	0.0126381	0.11669	0.00833264	0.15104

0.119664	0.0142356	0.119406	0.0114989	0.118334	0.00799637	0.142269
0.119763	0.0110782	0.121059	0.0129529	0.120062	0.00855003	0.147912
0.119522	0.0119959	0.12556	0.0107001	0.119952	0.00805147	0.150607
0.123118	0.0121898	0.12268	0.0149585	0.120696	0.00893863	0.150098
0.123268	0.0124314	0.125319	0.0117904	0.121825	0.00992392	0.145599
0.12686	0.0140353	0.131911	0.013575	0.125968	0.0104449	0.149271
0.125704	0.0126282	0.128954	0.011646	0.127894	0.0111466	0.146207
0.123556	0.0131579	0.133899	0.0150805	0.127585	0.00892522	0.154732
0.128843	0.0139357	0.134126	0.0119092	0.126093	0.0106256	0.154176
0.129797	0.0129211	0.131537	0.0109294	0.129879	0.0106193	0.150355
0.130465	0.0115365	0.134457	0.0119196	0.13128	0.00853928	0.15331
0.131077	0.0130072	0.134958	0.0152801	0.133015	0.00898211	0.15843
0.134745	0.0135511	0.134534	0.011851	0.135017	0.0108925	0.154184
0.131281	0.0119629	0.135285	0.0145822	0.137144	0.0117821	0.153067
0.134657	0.0145226	0.140407	0.0121281	0.140074	0.00954814	0.152042
0.136694	0.0124812	0.137638	0.0101792	0.138872	0.00956613	0.155261
0.136471	0.0129786	0.14438	0.0143844	0.141546	0.00976785	0.158635
0.138883	0.0117745	0.144458	0.0119797	0.13917	0.00978675	0.159652
0.142152	0.0136392	0.142396	0.0120494	0.144723	0.00937127	0.15631
0.141137	0.0132362	0.144791	0.0128454	0.143478	0.00857167	0.160901
0.142066	0.0125946	0.149694	0.0151822	0.148972	0.00836343	0.156739
0.145587	0.0129048	0.15198	0.0140668	0.147402	0.0101437	0.160881
0.146445	0.0136061	0.15065	0.0122329	0.149141	0.0121304	0.171541
0.147491	0.0127335	0.153143	0.0120528	0.15354	0.0120383	0.161166
0.149338	0.0138244	0.157278	0.0132148	0.154635	0.0114896	0.163658
0.151166	0.0141718	0.155228	0.0141783	0.154523	0.00981945	0.160297
0.152406	0.0141078	0.160557	0.0119961	0.158626	0.0119239	0.165805
0.15632	0.0144533	0.156118	0.0134256	0.160641	0.00787009	0.172904

	SB Ru		SB Rc		SB Rb	
std	mean	std	mean	std	mean	std
0.160022	0.414779	0.0396361	0.246999	0.0355575	0.219046	0.0237054
0.16577	0.41935	0.0391818	0.251183	0.0463229	0.225464	0.0283012
0.206033	0.419251	0.0398095	0.245345	0.0365502	0.221423	0.0219308
0.171586	0.413871	0.0383521	0.240785	0.0426016	0.224599	0.0212836
0.184532	0.410389	0.0365561	0.24347	0.0388571	0.220209	0.0197176
0.148431	0.412056	0.0378681	0.243633	0.0405405	0.22251	0.0259831
0.193611	0.40759	0.0379245	0.237773	0.0406711	0.221521	0.0184433
0.168888	0.401381	0.0338912	0.240675	0.038309	0.225026	0.0203709
0.176389	0.406426	0.0372156	0.238894	0.0358067	0.218111	0.0201055
0.172527	0.397683	0.0326627	0.239532	0.0384017	0.220209	0.02481
0.190425	0.405531	0.0430814	0.233267	0.0429858	0.219208	0.0241948
0.161995	0.403367	0.0388538	0.23921	0.0430773	0.213844	0.0229495
0.162602	0.395222	0.0368999	0.236391	0.0400993	0.216479	0.0237501
0.186156	0.398615	0.0313438	0.236967	0.0424654	0.217257	0.019222
0.186654	0.402177	0.0366532	0.23957	0.0386176	0.21929	0.0234442
0.194399	0.408318	0.0342755	0.241328	0.0416089	0.216931	0.0225813
0.187099	0.419174	0.0373018	0.237714	0.0439192	0.219767	0.0292699
0.16485	0.430185	0.0332631	0.245069	0.0426619	0.223269	0.0236013
0.179337	0.447275	0.036634	0.243699	0.0383746	0.228212	0.0186804
0.159489	0.480381	0.0358655	0.245426	0.0437852	0.237251	0.0235309
0.165406	0.50984	0.0422821	0.247269	0.04035	0.243977	0.025029
0.197574	0.537378	0.0449791	0.258171	0.0456306	0.249737	0.0264067
0.185353	0.561891	0.0495212	0.262633	0.0449508	0.255356	0.0313032
0.17414	0.589192	0.0498859	0.263091	0.0436256	0.266288	0.0261491
0.163043	0.602898	0.0550131	0.268014	0.0404423	0.269325	0.0296341
0.162079	0.605333	0.0491874	0.270719	0.0487615	0.275542	0.0308929
0.15601	0.599334	0.046535	0.266128	0.0443956	0.274284	0.0255819
0.174494	0.574484	0.0504109	0.263813	0.0455	0.266597	0.0253243
0.164734	0.54204	0.0469827	0.262365	0.0438652	0.260685	0.0319286
0.182823	0.506494	0.0355557	0.258535	0.0445171	0.258395	0.0253376
0.179726	0.479336	0.0412564	0.251627	0.0416743	0.247983	0.0326018
0.169899	0.450696	0.0360121	0.248331	0.0431184	0.246854	0.0280415
0.17532	0.428913	0.0299521	0.246648	0.0446053	0.245079	0.0270135
0.185129	0.422042	0.03451	0.243389	0.0452872	0.241654	0.0269365
0.189456	0.408039	0.0293579	0.24687	0.0444906	0.249726	0.0271943
0.18209	0.407933	0.0322783	0.245801	0.0443404	0.259872	0.0301359
0.195429	0.414621	0.0396938	0.250566	0.0412233	0.277791	0.0341378
0.169443	0.438689	0.0397684	0.257073	0.0460656	0.301789	0.0353424
0.179955	0.476361	0.0406175	0.275119	0.0471082	0.352458	0.0434241
0.202413	0.522055	0.0507679	0.292417	0.0489617	0.4366	0.0493406
0.203411	0.599969	0.0748351	0.330233	0.0570488	0.561215	0.0732286
0.24186	0.698031	0.0917319	0.374297	0.0717831	0.742332	0.0866274
0.303656	0.836977	0.121366	0.433196	0.0907014	0.98571	0.134976
0.31926	0.990951	0.141433	0.502639	0.110434	1.25159	0.182546
0.394536	1.14341	0.178969	0.587764	0.140717	1.56761	0.222819

0.420632	1.28568	0.226073	0.667085	0.157056	1.86813	0.256165
0.520988	1.40252	0.249954	0.742437	0.175464	2.14262	0.289038
0.554873	1.48735	0.274139	0.79659	0.191581	2.34299	0.328902
0.602498	1.50518	0.280148	0.822916	0.205557	2.45027	0.350094
0.604933	1.46969	0.275106	0.823344	0.201074	2.43444	0.342894
0.573879	1.38364	0.24771	0.796944	0.196706	2.29733	0.319785
0.525416	1.25249	0.205545	0.739779	0.183993	2.07287	0.280669
0.462485	1.12347	0.17336	0.678028	0.160496	1.8072	0.247623
0.391206	0.99204	0.14253	0.605555	0.142253	1.52015	0.197365
0.336138	0.870748	0.117453	0.527486	0.113274	1.22294	0.149434
0.306971	0.782109	0.0910478	0.466042	0.0956164	0.980306	0.132817
0.286734	0.72466	0.078848	0.419074	0.0818846	0.783347	0.108273
0.238991	0.709886	0.0653528	0.390516	0.0716093	0.640875	0.0836078
0.194521	0.738804	0.0686709	0.377867	0.0725376	0.559247	0.0646695
0.190783	0.853126	0.0828101	0.382455	0.070806	0.521708	0.0562581
0.217264	1.10376	0.129987	0.414189	0.0756218	0.554832	0.0652626
0.203042	1.55542	0.209171	0.500352	0.10054	0.677424	0.086533
0.253781	2.34215	0.345329	0.66796	0.135826	0.923079	0.119677
0.317715	3.64376	0.572464	0.937576	0.199493	1.34633	0.184922
0.383592	5.62537	0.926661	1.37171	0.313344	2.04834	0.280934
0.542937	8.44253	1.40865	2.01437	0.450914	3.06845	0.447785
0.750873	12.2101	2.04905	2.92299	0.661356	4.50316	0.660096
1.06537	16.8529	2.87702	4.131	0.950293	6.36087	0.935287
1.38095	22.1276	3.79694	5.59828	1.30941	8.61156	1.2528
1.78915	27.6748	4.74677	7.25256	1.70152	11.1332	1.63472
2.17842	32.803	5.67446	8.93467	2.13338	13.7215	2.0616
2.53349	36.8195	6.43405	10.4855	2.51131	15.9906	2.38812
2.90862	39.2923	6.87822	11.7283	2.79938	17.711	2.6499
3.05502	39.784	6.93486	12.4307	2.97403	18.6586	2.72887
3.02898	38.2154	6.61746	12.5689	3.00386	18.7991	2.77821
2.94936	34.884	6.02732	12.1025	2.89787	17.9197	2.65871
2.73256	30.31	5.26192	11.0648	2.64949	16.2397	2.39585
2.43959	25.0975	4.37385	9.63293	2.29325	14.0038	2.06507
2.08148	19.9156	3.4448	8.01363	1.91122	11.6049	1.70604
1.69195	15.2515	2.60462	6.41742	1.51561	9.18915	1.3531
1.3427	11.3054	1.90058	4.96812	1.18166	7.02319	1.03108
1.01744	8.21728	1.34788	3.73584	0.872079	5.20804	0.758673
0.81116	5.97628	0.958682	2.79073	0.639089	3.78015	0.571447
0.640996	4.35746	0.684798	2.07037	0.456461	2.73882	0.392251
0.500362	3.18835	0.486381	1.54169	0.334216	1.99315	0.292056
0.396618	2.35431	0.334799	1.15663	0.247063	1.44732	0.204247
0.304363	1.71533	0.229184	0.891641	0.187674	1.06649	0.151268
0.270885	1.2448	0.163976	0.711917	0.145544	0.810432	0.110011
0.238037	0.899874	0.113025	0.575207	0.109165	0.616842	0.0809196
0.227721	0.67836	0.0847103	0.462546	0.0813608	0.480845	0.0573667
0.200637	0.553018	0.0745453	0.394225	0.0726806	0.374114	0.048181
0.202568	0.519776	0.0460902	0.335109	0.0618823	0.301669	0.0419586

0.201751	0.564538	0.0558998	0.308778	0.059213	0.251713	0.0314285
0.178575	0.652739	0.0792542	0.296745	0.0584095	0.221957	0.0219746
0.154082	0.748911	0.0692138	0.290096	0.0541415	0.196997	0.0230328
0.160857	0.836583	0.0823285	0.289686	0.0512471	0.188548	0.0191509
0.172921	0.909331	0.0913932	0.284501	0.0517361	0.18424	0.0232631
0.190444	0.946955	0.082618	0.284743	0.0553594	0.188152	0.0245834
0.182423	0.948749	0.0801244	0.284315	0.0601538	0.188173	0.0251011
0.174235	0.92243	0.0838813	0.302104	0.0555074	0.195288	0.0244242
0.19396	0.882207	0.0803486	0.295961	0.0512778	0.200075	0.0224616
0.189818	0.82019	0.0688446	0.298639	0.0538295	0.202626	0.021926
0.19456	0.750233	0.0724076	0.29363	0.0594645	0.201318	0.0204065
0.179661	0.686684	0.0668843	0.286089	0.0564176	0.20144	0.0263339
0.188216	0.630613	0.0597287	0.276777	0.0602158	0.197753	0.0275165
0.165452	0.583034	0.0517372	0.274425	0.054987	0.190334	0.0316435
0.172059	0.539362	0.0503024	0.262882	0.0483742	0.186336	0.0300205
0.168784	0.506829	0.0425248	0.253696	0.0545172	0.178588	0.0281629
0.167617	0.493019	0.0464127	0.247937	0.0506259	0.176021	0.0261969
0.163091	0.480785	0.0498256	0.238044	0.0445792	0.169505	0.0240613
0.1701	0.468171	0.0500392	0.238755	0.0444248	0.168879	0.0265156
0.155226	0.460166	0.0442455	0.235559	0.0426678	0.166745	0.0286308
0.16378	0.463103	0.044424	0.229565	0.0416682	0.160602	0.0215446
0.157392	0.463384	0.0421288	0.229104	0.0427841	0.161322	0.0212841
0.167363	0.465225	0.0441868	0.228669	0.0433415	0.159296	0.0187902
0.159707	0.472918	0.0429315	0.230049	0.0445107	0.155979	0.0190128
0.176953	0.4846	0.0576437	0.234786	0.040864	0.155041	0.0186474
0.176211	0.500134	0.0579359	0.237706	0.043393	0.155096	0.0159533
0.162876	0.548624	0.0417728	0.24953	0.0446532	0.156999	0.0186099
0.150336	0.621829	0.0578389	0.263707	0.0492235	0.15732	0.018254
0.154159	0.733151	0.0755131	0.289869	0.053361	0.159332	0.0190356
0.165447	0.901361	0.0945223	0.328578	0.0633153	0.172497	0.0194035
0.167305	1.10062	0.120343	0.384146	0.0750933	0.189605	0.0225377
0.173985	1.36621	0.167179	0.455441	0.0899772	0.208135	0.0249998
0.210932	1.65545	0.215623	0.538877	0.104358	0.227542	0.0282125
0.232875	1.95597	0.253286	0.6445	0.131263	0.247282	0.0275734
0.267814	2.23596	0.286937	0.753832	0.160839	0.274658	0.0316162
0.315838	2.49923	0.34824	0.853796	0.186434	0.302387	0.0380221
0.356849	2.66634	0.360185	0.946176	0.20335	0.319498	0.0414578
0.369412	2.73463	0.357234	1.01835	0.222931	0.339123	0.0430333
0.379433	2.69635	0.355114	1.05405	0.231485	0.348079	0.0434706
0.390821	2.56921	0.342125	1.05275	0.22621	0.348633	0.0438207
0.378106	2.34373	0.327446	1.02065	0.227367	0.339182	0.043324
0.346855	2.0774	0.266492	0.954176	0.204884	0.317827	0.0394036
0.316508	1.79716	0.211083	0.863824	0.179553	0.293644	0.0393016
0.288181	1.50629	0.183903	0.759076	0.163811	0.27412	0.0367155
0.249607	1.24398	0.148201	0.649748	0.132611	0.251693	0.0296308
0.231684	1.0316	0.10605	0.553196	0.105403	0.220747	0.0287586
0.211538	0.869455	0.0817224	0.477328	0.094372	0.201049	0.0234934

0.208586	0.748016	0.0815606	0.410089	0.081813	0.187498	0.0201103
0.195352	0.657011	0.0618082	0.357823	0.072386	0.175309	0.0197475
0.178548	0.600478	0.0627628	0.327543	0.0628895	0.168888	0.022516
0.168031	0.566817	0.0577855	0.304567	0.0550219	0.164991	0.0229972
0.154599	0.552668	0.0524753	0.286818	0.0539314	0.161584	0.0209612
0.161134	0.537422	0.0458312	0.281349	0.0519544	0.158096	0.0186029
0.157125	0.518776	0.0529291	0.280024	0.0534809	0.159332	0.0186319
0.15934	0.510149	0.0544202	0.279765	0.0532175	0.159608	0.0193065
0.165537	0.491147	0.0503137	0.273552	0.0519362	0.15552	0.0160795
0.171677	0.481904	0.0469151	0.264783	0.0452813	0.15792	0.0165566
0.153937	0.46683	0.0459422	0.260609	0.0455169	0.157954	0.0214131
0.147496	0.457897	0.0440893	0.25744	0.0481641	0.155008	0.0190706
0.145908	0.442727	0.0399623	0.254546	0.0464386	0.155099	0.0166795
0.164254	0.439813	0.0444369	0.252066	0.0465109	0.154524	0.0178563
0.176856	0.452786	0.0434794	0.249115	0.0459794	0.157444	0.0157116
0.17255	0.476643	0.0449971	0.251344	0.0486539	0.160992	0.0130008
0.18349	0.511202	0.0545458	0.259534	0.0484861	0.163179	0.015409
0.202083	0.557362	0.061634	0.26881	0.050898	0.174221	0.0177616
0.263991	0.648317	0.0732325	0.279578	0.0525047	0.19107	0.0188579
0.345202	0.765752	0.0776672	0.302499	0.0521145	0.205246	0.0223158
0.435045	0.900999	0.0979088	0.335623	0.0578388	0.225712	0.0246639
0.610406	1.07931	0.128565	0.37266	0.0666694	0.262959	0.0312059
0.859032	1.29066	0.164403	0.409914	0.0785477	0.306288	0.0339434
1.16661	1.54737	0.198104	0.454475	0.0885999	0.35881	0.0408006
1.50178	1.79685	0.252396	0.512448	0.0979466	0.423893	0.0511654
1.89809	2.0345	0.293679	0.573939	0.109909	0.487563	0.0609923
2.36437	2.28126	0.334839	0.63857	0.126426	0.548578	0.0711326
2.77441	2.45143	0.351943	0.69737	0.138002	0.612241	0.0782725
3.15346	2.57729	0.385454	0.739495	0.144443	0.67392	0.0726579
3.46552	2.60156	0.387041	0.775923	0.150823	0.713847	0.0828939
3.63319	2.57066	0.371819	0.79309	0.152345	0.734847	0.0924278
3.65226	2.47152	0.355611	0.792396	0.149758	0.737372	0.0841013
3.47961	2.32149	0.303208	0.779075	0.147059	0.722181	0.0835424
3.18836	2.18482	0.259645	0.752909	0.139801	0.68891	0.0888289
2.87428	2.06505	0.236225	0.720224	0.13796	0.64479	0.0874173
2.55533	1.97998	0.194747	0.693174	0.139398	0.608436	0.078461
2.20692	1.96384	0.175529	0.679532	0.133124	0.584037	0.0773579
1.83612	1.99468	0.164553	0.666186	0.128026	0.56717	0.0813974
1.59583	2.07006	0.174311	0.671707	0.132292	0.56766	0.0839056
1.4796	2.17723	0.194131	0.693818	0.135742	0.584783	0.0934254
1.44991	2.28556	0.195554	0.726679	0.146817	0.606949	0.104334
1.56628	2.36676	0.215895	0.767673	0.159611	0.6368	0.112589
1.68866	2.40594	0.209415	0.791789	0.162727	0.670722	0.124168
1.73552	2.41933	0.208862	0.818673	0.171734	0.690981	0.126026
1.81636	2.36217	0.211076	0.839346	0.179995	0.693454	0.126251
1.8523	2.24518	0.203679	0.832831	0.174747	0.686935	0.128935
1.8061	2.10134	0.186873	0.816741	0.170884	0.669041	0.121772

1.70688	1.93437	0.161422	0.788875	0.167475	0.63417	0.112344
1.55182	1.78388	0.140806	0.744311	0.152752	0.596299	0.103505
1.37442	1.63516	0.136441	0.696915	0.142706	0.552556	0.087516
1.21717	1.51364	0.117082	0.653203	0.130915	0.504783	0.0736265
1.0319	1.41792	0.130858	0.606419	0.117693	0.4587	0.0662973
0.871395	1.35424	0.154494	0.571357	0.111086	0.417985	0.0577794
0.738234	1.32246	0.153872	0.539422	0.0964943	0.389124	0.0499428
0.606248	1.29738	0.176582	0.512652	0.0904162	0.360146	0.0419667
0.520106	1.30093	0.205855	0.49515	0.0863253	0.336816	0.0367855
0.432181	1.29498	0.212551	0.478322	0.0790497	0.318	0.0313562
0.330893	1.28183	0.226583	0.466585	0.0802231	0.302196	0.0281696
0.294268	1.24224	0.236544	0.452354	0.0802325	0.285984	0.0275213
0.235627	1.20135	0.23554	0.4412	0.0760733	0.267445	0.0318281
0.216414	1.1731	0.220129	0.431418	0.0755095	0.255995	0.0331037
0.227346	1.11667	0.211236	0.416802	0.0741999	0.244472	0.02852
0.195806	1.0483	0.187765	0.402647	0.0708396	0.231759	0.0282533
0.179996	0.980288	0.177256	0.387008	0.0743008	0.220505	0.0256265
0.179312	0.918492	0.157258	0.374476	0.0730607	0.212796	0.0249635
0.177999	0.863146	0.134505	0.363614	0.0696689	0.201451	0.0216684
0.165103	0.808613	0.109214	0.357273	0.069115	0.191564	0.0226112
0.161259	0.763783	0.0965207	0.351541	0.0707793	0.185493	0.0237966
0.165491	0.724996	0.085409	0.346203	0.0713323	0.184153	0.0229235
0.160775	0.696142	0.073047	0.33978	0.0681469	0.186644	0.022013
0.155469	0.688602	0.057198	0.335277	0.0656545	0.183802	0.0239503
0.15816	0.67567	0.0657209	0.344636	0.0734224	0.182462	0.0222661
0.167998	0.668129	0.0633623	0.348353	0.0751263	0.188272	0.0213031
0.147215	0.678123	0.0638557	0.35004	0.072992	0.194529	0.0223557
0.133963	0.695654	0.0665904	0.362858	0.0772024	0.204572	0.0221784
0.159267	0.707233	0.0592568	0.37102	0.0766269	0.219833	0.0266239
0.169077	0.728111	0.0620194	0.383261	0.0779693	0.240046	0.0305457
0.184832	0.757625	0.0730086	0.398179	0.0797105	0.276417	0.0374056
0.184231	0.808231	0.0911439	0.42905	0.0867582	0.334225	0.0454802
0.187061	0.888503	0.104915	0.472992	0.104659	0.414789	0.0582545
0.203635	0.989288	0.147048	0.535061	0.126221	0.533476	0.0754359
0.232789	1.12715	0.197747	0.622159	0.158303	0.707991	0.103437
0.273296	1.30614	0.250731	0.738947	0.206158	0.952198	0.144358
0.333704	1.54525	0.327318	0.892795	0.271183	1.26327	0.189557
0.421772	1.80915	0.428082	1.10512	0.366338	1.64555	0.251925
0.493954	2.07187	0.525099	1.34861	0.4697	2.09529	0.323979
0.615027	2.34832	0.6212	1.60521	0.581613	2.60486	0.400865
0.726601	2.60798	0.708442	1.8853	0.693239	3.14987	0.488037
0.858675	2.80599	0.783777	2.17807	0.820622	3.67608	0.576976
0.98145	2.96101	0.834631	2.42995	0.921284	4.11252	0.63827
1.04404	3.01803	0.867073	2.61347	1.01394	4.43672	0.697568
1.05571	2.99844	0.868046	2.73104	1.07224	4.64042	0.727157
1.05319	2.87266	0.813532	2.77487	1.09063	4.66712	0.726697
1.0447	2.66509	0.730663	2.73677	1.065	4.52328	0.714358

1.02438	2.41506	0.641119	2.59692	0.998794	4.22464	0.655836
0.960508	2.13711	0.538906	2.38771	0.914769	3.81116	0.598718
0.834119	1.86687	0.450141	2.14531	0.811562	3.30921	0.522871
0.725458	1.61422	0.35758	1.86289	0.679517	2.77818	0.43674
0.664389	1.39522	0.281396	1.57529	0.548794	2.25347	0.343531
0.53966	1.22077	0.190838	1.3253	0.437114	1.77442	0.279358
0.404033	1.091	0.14244	1.10463	0.338937	1.35896	0.215263
0.322197	1.02984	0.130927	0.916149	0.262771	1.02998	0.154315
0.26498	0.999771	0.104177	0.777405	0.203518	0.766878	0.117494
0.200738	1.02287	0.113112	0.680333	0.161343	0.569959	0.0865421
0.191812	1.0728	0.10621	0.622553	0.14084	0.440766	0.0661403
0.196447	1.16356	0.123774	0.585168	0.123361	0.353883	0.0472697
0.185007	1.32398	0.152098	0.577926	0.117987	0.302526	0.0379307
0.158504	1.52816	0.164754	0.600636	0.125148	0.285166	0.0366403
0.16518	1.83986	0.200462	0.641628	0.14006	0.285903	0.0339081
0.165343	2.28161	0.241063	0.711369	0.150221	0.304102	0.032995
0.176781	2.97141	0.312235	0.815179	0.171888	0.343121	0.0412645
0.166894	4.05505	0.440543	0.966786	0.203758	0.394629	0.0522589
0.171295	5.74313	0.628074	1.19566	0.251982	0.46533	0.0567554
0.204379	8.38141	0.917134	1.54095	0.334885	0.55987	0.0655621
0.233865	12.4056	1.33707	2.05498	0.459993	0.678172	0.0839173
0.268688	18.4923	1.97796	2.83072	0.620686	0.804052	0.103555
0.276409	27.298	2.95891	4.02139	0.881526	0.972153	0.126149
0.306787	39.7666	4.34894	5.73171	1.26589	1.19256	0.155451
0.387316	56.6119	6.22428	8.16561	1.81362	1.46168	0.188494
0.475231	78.3704	8.6131	11.5597	2.59571	1.81243	0.23374
0.575863	105.103	11.6619	16.0411	3.62427	2.23488	0.281961
0.706292	136.663	15.0444	21.7353	4.9341	2.73948	0.354119
0.873879	171.932	18.8688	28.7174	6.52448	3.34365	0.43364
1.06766	208.599	22.9286	36.7636	8.36496	4.02534	0.514927
1.28853	244.311	26.762	45.6023	10.41	4.75021	0.61474
1.48078	276.027	30.1598	54.7337	12.4443	5.4706	0.708985
1.7154	300.771	33.0485	63.4784	14.4096	6.17501	0.794177
1.91459	315.942	34.5749	71.1436	16.1931	6.76637	0.889364
2.121	319.66	34.904	76.9843	17.549	7.16651	0.958337
2.21995	311.934	34.1207	80.3603	18.2882	7.36714	0.981657
2.1869	293.258	31.9574	80.8958	18.4044	7.31548	0.968255
2.13807	265.994	29.1223	78.6998	17.9533	7.00791	0.933576
1.98354	232.175	25.4698	73.871	16.7763	6.48629	0.866342
1.81087	195.567	21.5322	66.8446	15.1272	5.83097	0.764528
1.63395	158.707	17.3056	58.3529	13.2221	5.07112	0.660088
1.38569	124.291	13.6039	49.1925	11.1685	4.26023	0.555368
1.14481	94.0059	10.2653	40.0522	9.11193	3.46254	0.44974
0.939361	68.5629	7.55858	31.5075	7.16621	2.72086	0.35341
0.7321	48.3875	5.21479	23.9645	5.44275	2.07515	0.27
0.585496	33.1661	3.61575	17.6288	3.98897	1.53274	0.197927
0.476776	22.1363	2.4503	12.5612	2.85286	1.12479	0.144973

0.36452	14.5889	1.59693	8.68895	1.97818	0.815594	0.108366
0.295287	9.6333	1.05062	5.8865	1.33105	0.586025	0.0806417
0.251891	6.59916	0.701319	3.93434	0.895154	0.436818	0.0551451
0.233237	4.90536	0.518745	2.65832	0.606203	0.339204	0.0381174
0.202658	4.15864	0.459353	1.86528	0.421588	0.283039	0.0331798
0.195601	4.12452	0.436774	1.42217	0.31767	0.248812	0.0323331
0.195085	4.66599	0.507012	1.2266	0.274567	0.235329	0.030931
0.179603	5.76921	0.640019	1.21364	0.270153	0.240601	0.0302998
0.184354	7.4146	0.846357	1.37688	0.301387	0.257355	0.0273158
0.222827	9.58861	1.06609	1.66927	0.36385	0.291364	0.0324125
0.234451	12.3926	1.38606	2.09677	0.443474	0.332689	0.0378496
0.222675	15.8511	1.76991	2.68469	0.572698	0.387243	0.045733
0.225669	19.8973	2.1997	3.43709	0.743404	0.460696	0.0552112
0.23536	24.4516	2.76818	4.35069	0.931736	0.544223	0.0668222
0.257291	29.0733	3.26394	5.39723	1.15401	0.650716	0.0824423
0.273345	33.6665	3.76085	6.56132	1.4188	0.763744	0.0952968
0.314878	37.8128	4.22402	7.77408	1.68735	0.86667	0.11285
0.350744	41.1351	4.61502	8.93062	1.92661	0.964188	0.123027
0.380592	43.2526	4.77553	9.97394	2.15403	1.05924	0.127202
0.414932	43.9461	4.91366	10.7978	2.33133	1.1283	0.136751
0.408291	43.3091	4.86113	11.3379	2.41757	1.16492	0.141304
0.402337	41.1487	4.51635	11.5492	2.46503	1.18096	0.143656
0.422955	37.8252	4.18775	11.3711	2.45167	1.15592	0.143971
0.402062	33.6124	3.73391	10.8373	2.33584	1.09509	0.13961
0.378027	28.9356	3.17754	9.98093	2.14808	1.01996	0.121146
0.391215	23.9887	2.67446	8.88796	1.90285	0.916281	0.108973
0.35582	19.2363	2.12334	7.68011	1.63662	0.8016	0.106865
0.302892	14.9006	1.62061	6.42992	1.38391	0.694175	0.0911108
0.269537	11.2031	1.24825	5.20791	1.11443	0.585694	0.0683918
0.25632	8.16731	0.897816	4.08978	0.876545	0.494386	0.055018
0.234812	5.75848	0.622969	3.11307	0.66669	0.412923	0.0468616
0.215638	3.96282	0.425562	2.29899	0.490785	0.338997	0.0406233
0.20956	2.65207	0.28083	1.64461	0.339924	0.285035	0.03493
0.193767	1.75287	0.176816	1.15582	0.236008	0.246511	0.0301776
0.18463	1.15255	0.11926	0.804753	0.167934	0.216011	0.0277268
0.196863	0.75222	0.0616321	0.551646	0.114126	0.192769	0.0266002
0.169753	0.506909	0.0481993	0.382109	0.0792216	0.180502	0.0253503
0.167208	0.362724	0.0337335	0.269737	0.0553222	0.173193	0.0240138
0.183412	0.281363	0.0238308	0.197681	0.0390885	0.167262	0.0221116
0.18248	0.234124	0.0166445	0.15415	0.0289387	0.16438	0.0211213
0.182121	0.20701	0.0192809	0.129995	0.0261451	0.166708	0.023508
0.185889	0.197873	0.0172684	0.113788	0.0228414	0.170361	0.023664
0.211282	0.191767	0.0154614	0.103413	0.0202582	0.169486	0.0227189
0.200126	0.186963	0.0156058	0.0996979	0.0218506	0.168319	0.0253497
0.199387	0.190523	0.0201605	0.0997846	0.0224863	0.16863	0.0231887
0.209777	0.188627	0.0161383	0.0988547	0.0219518	0.171468	0.0245505
0.194355	0.190322	0.0141799	0.0994506	0.0228482	0.173218	0.0282257

0.198765	0.192102	0.0171661	0.0985683	0.0242527	0.177917	0.0261348
0.204147	0.199308	0.0200549	0.0970648	0.0234554	0.183889	0.028003
0.195397	0.199326	0.0204313	0.0992521	0.0214846	0.188298	0.0297735
0.193201	0.205697	0.0238199	0.1025	0.0193513	0.194302	0.0296095
0.209717	0.208873	0.0252635	0.103163	0.02199	0.203488	0.0335941
0.206325	0.212258	0.0230074	0.103118	0.0237582	0.216905	0.0395995
0.218796	0.218726	0.0204418	0.107149	0.0239229	0.237668	0.045287
0.218917	0.229298	0.0258348	0.112688	0.0242674	0.271404	0.0595414
0.234838	0.242397	0.0297456	0.118982	0.0269296	0.318512	0.0814513
0.259214	0.261053	0.0334557	0.131209	0.0304205	0.387853	0.113254
0.261253	0.284598	0.0426304	0.143373	0.0326001	0.485415	0.157354
0.252833	0.315305	0.0495054	0.158145	0.0356143	0.620356	0.217699
0.260103	0.353489	0.070448	0.183308	0.0423039	0.804346	0.300584
0.290524	0.400307	0.0768463	0.209256	0.0494222	1.0354	0.413638
0.332115	0.445493	0.0915985	0.242893	0.0599416	1.32885	0.544966
0.374999	0.497081	0.115894	0.29083	0.0735528	1.68536	0.711647
0.4306	0.553543	0.138522	0.334566	0.085441	2.09264	0.908915
0.486546	0.607212	0.160115	0.383068	0.100335	2.53779	1.11493
0.585383	0.654231	0.175781	0.436075	0.115559	2.99986	1.35028
0.651267	0.700043	0.198575	0.489876	0.131949	3.45608	1.58117
0.674209	0.733227	0.220587	0.537192	0.15018	3.85858	1.78246
0.710393	0.741809	0.223575	0.5788	0.159295	4.20671	1.96204
0.785517	0.735195	0.21643	0.602719	0.164185	4.43583	2.05594
0.832314	0.721508	0.208029	0.615999	0.163966	4.5412	2.1197
0.797494	0.691028	0.210182	0.617558	0.163707	4.50802	2.12386
0.801526	0.650417	0.188036	0.600692	0.162793	4.33348	2.02995
0.767366	0.59752	0.151934	0.568573	0.155573	4.05291	1.89721
0.712771	0.548644	0.14319	0.531557	0.144132	3.70079	1.72652
0.684434	0.489929	0.120367	0.486213	0.132595	3.25931	1.52366
0.601243	0.435851	0.0950606	0.433719	0.111881	2.79441	1.2984
0.559631	0.392	0.0759368	0.379602	0.0941799	2.33878	1.06292
0.511091	0.358017	0.0599978	0.327227	0.0825611	1.9031	0.836695
0.491934	0.327066	0.050012	0.278693	0.0688717	1.52923	0.663687
0.484041	0.300183	0.044633	0.241794	0.0561971	1.20018	0.486578
0.494985	0.287084	0.0325455	0.211209	0.0436469	0.92906	0.363366
0.488875	0.277279	0.0230789	0.185504	0.0367456	0.719742	0.260875
0.434322	0.273386	0.0256938	0.168382	0.0363774	0.574505	0.180483
0.433709	0.267594	0.0245257	0.152881	0.0319647	0.46586	0.132756
0.462747	0.26476	0.0251188	0.146346	0.0301913	0.394361	0.0901936
0.454565	0.266132	0.0237251	0.140275	0.0281151	0.347223	0.0711231
0.459256	0.264302	0.0227372	0.134861	0.0268965	0.308523	0.0570991
0.469886	0.265198	0.0203939	0.134541	0.0289634	0.286747	0.0523803
0.503883	0.26629	0.0192212	0.130591	0.0286315	0.276006	0.0436421
0.467901	0.270475	0.0209615	0.135186	0.0276782	0.269635	0.0372518
0.444926	0.272652	0.0223048	0.135444	0.0272935	0.266712	0.0328994
0.480923	0.280089	0.0214074	0.133073	0.0294522	0.269315	0.0322772
0.512567	0.281561	0.0202344	0.136929	0.0282287	0.276721	0.034798

0.479486	0.285391	0.024223	0.141224	0.0306677	0.281628	0.0364699
0.480046	0.292868	0.0222008	0.142641	0.0302105	0.296273	0.0425639
0.448061	0.305886	0.0241197	0.147336	0.03441	0.317892	0.043517
0.435445	0.310749	0.02553	0.153447	0.0357153	0.334809	0.045883
0.440175	0.320321	0.0295099	0.163906	0.0352219	0.355043	0.0526614
0.426905	0.331099	0.0237998	0.168019	0.0371316	0.384026	0.0593045
0.424421	0.342707	0.0290757	0.174767	0.0410644	0.424184	0.0644552
0.438124	0.361073	0.0314123	0.181982	0.0403164	0.467323	0.0768737
0.411337	0.367519	0.0350936	0.193686	0.0476184	0.503158	0.0980425
0.400695	0.381707	0.0388362	0.200576	0.0453254	0.553966	0.10603
0.404137	0.399431	0.0391835	0.211658	0.051959	0.610267	0.128802
0.379301	0.412799	0.048803	0.218419	0.0543121	0.679604	0.157047
0.380649	0.429057	0.0531026	0.23048	0.0556503	0.740739	0.176684
0.37955	0.448407	0.0580534	0.238617	0.0569567	0.808468	0.213261
0.379863	0.460932	0.0627101	0.248458	0.0553872	0.888143	0.249111
0.392551	0.473176	0.0689127	0.256474	0.0540786	0.959492	0.272503
0.367919	0.483464	0.06043	0.268824	0.0535183	1.02434	0.303942
0.394116	0.489441	0.0649455	0.269968	0.0531424	1.05911	0.317291
0.384328	0.488788	0.0679588	0.278932	0.0584762	1.08693	0.320969
0.413025	0.492238	0.0731597	0.279351	0.0577313	1.09184	0.328278
0.374756	0.490807	0.0672521	0.278822	0.0585405	1.07889	0.321111
0.363063	0.483555	0.0727359	0.27683	0.0533982	1.04578	0.31555
0.336077	0.475834	0.0714451	0.276643	0.057282	0.992051	0.284055
0.358512	0.463601	0.0687355	0.269569	0.0539627	0.935675	0.264271
0.353552	0.452255	0.0597076	0.259222	0.0483981	0.861229	0.231908
0.362549	0.441546	0.0619708	0.250953	0.0436082	0.787663	0.208747
0.355375	0.427858	0.0573399	0.23777	0.0462286	0.710921	0.173381
0.306924	0.417899	0.059459	0.231577	0.0424421	0.644127	0.150495
0.291642	0.411414	0.0600052	0.223293	0.0349385	0.586939	0.120758
0.307576	0.399316	0.0543517	0.21192	0.0361263	0.532873	0.0980453
0.310326	0.392742	0.0513102	0.205719	0.0373933	0.486785	0.0966524
0.295856	0.385896	0.0493079	0.202022	0.0336453	0.451033	0.0837427
0.291507	0.38234	0.0484484	0.198845	0.0340082	0.426003	0.0807738
0.281027	0.376008	0.0526076	0.196344	0.0307973	0.40632	0.0821446
0.275311	0.377478	0.0499922	0.195863	0.0325632	0.395132	0.0824815
0.271227	0.376876	0.0471855	0.194074	0.0312663	0.382976	0.0781067
0.275428	0.367235	0.0454157	0.190635	0.0306002	0.378464	0.0737101
0.282193	0.364271	0.0456539	0.19569	0.0314604	0.380566	0.0756953
0.274227	0.3582	0.0446466	0.194642	0.0307029	0.379737	0.0687589
0.29159	0.35379	0.0419382	0.193704	0.0344392	0.377141	0.0701277
0.269596	0.35258	0.0390377	0.200869	0.0369015	0.378963	0.0772261
0.286023	0.347298	0.0441226	0.194122	0.0340023	0.374017	0.0741249
0.283282	0.34595	0.0359601	0.198759	0.0336537	0.372275	0.0729559
0.290009	0.34843	0.0333665	0.19851	0.0332483	0.377857	0.0700233
0.317937	0.34726	0.0364751	0.192075	0.0364655	0.371953	0.0645912
0.285453	0.341279	0.0360724	0.191477	0.0343068	0.362607	0.0690339
0.28932	0.340011	0.0370476	0.195132	0.032419	0.367726	0.0596109

0.283624	0.338374	0.0347176	0.194649	0.0315497	0.370765	0.0578565
0.293823	0.339693	0.0385408	0.19054	0.0328529	0.366004	0.056336
0.271934	0.338343	0.0312017	0.189129	0.0312662	0.364576	0.0541807
0.29637	0.343967	0.0281184	0.189004	0.0365332	0.362606	0.0486983
0.318947	0.349372	0.0315589	0.191492	0.0330416	0.361262	0.0508518
0.296444	0.365015	0.0387823	0.195344	0.0294612	0.365807	0.0456158
0.3435	0.375971	0.0431871	0.201712	0.0330712	0.365161	0.0409401
0.329053	0.39779	0.0512116	0.207746	0.035293	0.379882	0.0469186
0.397206	0.42352	0.0608825	0.217739	0.0442171	0.39297	0.0538143
0.448652	0.453331	0.0727065	0.225836	0.0421401	0.422651	0.0514414
0.428543	0.488401	0.0968175	0.246945	0.0519135	0.437036	0.0565618
0.534778	0.53496	0.122317	0.267123	0.0618256	0.46998	0.0637013
0.591345	0.571774	0.141024	0.292266	0.07088	0.510222	0.074709
0.703508	0.608121	0.163888	0.322651	0.101284	0.54978	0.0862812
0.794583	0.644719	0.185703	0.348094	0.110957	0.595116	0.0997288
0.893829	0.673271	0.210287	0.384455	0.131852	0.637067	0.118732
1.04419	0.692244	0.219829	0.423048	0.151405	0.678052	0.129087
1.1206	0.712531	0.219171	0.442555	0.169149	0.710746	0.133774
1.18026	0.725947	0.212831	0.459251	0.173803	0.740785	0.147253
1.2682	0.723694	0.218333	0.480028	0.184704	0.752311	0.156063
1.28299	0.702966	0.203847	0.486495	0.184246	0.769001	0.156362
1.3078	0.681779	0.188145	0.492925	0.189847	0.765853	0.140092
1.3373	0.654712	0.173303	0.480469	0.188491	0.744358	0.153085
1.21149	0.62065	0.142377	0.461392	0.17055	0.715924	0.135296
1.12294	0.596443	0.124155	0.453711	0.16779	0.691281	0.128685
1.06681	0.568649	0.110463	0.417285	0.138445	0.652741	0.121729
0.907683	0.53244	0.0886932	0.394842	0.128029	0.599265	0.10161
0.831469	0.506824	0.0768048	0.366112	0.117147	0.567747	0.0833955
0.692919	0.487438	0.0611439	0.3403	0.100132	0.537114	0.0810465
0.625329	0.465248	0.048636	0.312692	0.0796104	0.497884	0.0721645
0.548307	0.4484	0.043142	0.293246	0.0706107	0.4696	0.0634993
0.460787	0.442317	0.0391011	0.278959	0.0658632	0.451119	0.0549394
0.470242	0.436441	0.0373051	0.261205	0.0584194	0.430741	0.0601912
0.396925	0.435844	0.0366166	0.251172	0.0560811	0.419792	0.0548619
0.380844	0.429451	0.0346282	0.244436	0.0510566	0.413373	0.047838
0.393427	0.429707	0.0349235	0.243172	0.0575648	0.405737	0.0469284
0.378897	0.432711	0.0346092	0.232356	0.0479726	0.401545	0.0513337
0.414616	0.440352	0.0416407	0.234629	0.0518663	0.401063	0.0463017
0.381466	0.445277	0.0368202	0.232933	0.0567834	0.399191	0.044605
0.330583	0.45152	0.0468856	0.231184	0.0551096	0.397759	0.0457713
0.32476	0.456506	0.0457967	0.233435	0.0500724	0.390367	0.0445316
0.353219	0.464406	0.0477797	0.235431	0.0587181	0.404338	0.0466189
0.403963	0.464667	0.0454788	0.234016	0.0541465	0.396389	0.0473597
0.340748	0.469363	0.0489783	0.238847	0.0561782	0.402124	0.0568162
0.390254	0.480917	0.0526268	0.23891	0.0577274	0.412607	0.0532457
0.361019	0.491975	0.0477667	0.239514	0.0542661	0.415621	0.0602198
0.366686	0.500803	0.0508172	0.241133	0.0577705	0.416954	0.0590726

0.334409	0.512036	0.057327	0.245288	0.0584729	0.415861	0.0583236
0.334572	0.52361	0.0586562	0.253826	0.0572301	0.433366	0.0761684
0.354397	0.534575	0.0611116	0.251648	0.0564633	0.440863	0.0859735
0.404465	0.552252	0.05731	0.265902	0.0541382	0.448147	0.092416
0.353417	0.571522	0.0627667	0.265077	0.0561717	0.462679	0.113081
0.378221	0.592655	0.0619286	0.277657	0.057807	0.483372	0.123212
0.385356	0.618338	0.0630686	0.286193	0.0621336	0.492613	0.136886
0.423764	0.648172	0.0600547	0.300416	0.0563486	0.523379	0.153678
0.466223	0.6902	0.0672015	0.316725	0.0555505	0.554373	0.163932
0.462513	0.735999	0.0793012	0.340048	0.0582307	0.586894	0.172219
0.492188	0.797919	0.0749817	0.364728	0.0570977	0.630933	0.176971
0.539728	0.854376	0.083675	0.39714	0.0698721	0.684925	0.189104
0.593269	0.921618	0.0919713	0.442137	0.074501	0.750045	0.177215
0.681703	0.9799	0.102314	0.494166	0.0845099	0.822689	0.186468
0.711132	1.04959	0.100289	0.547035	0.0953475	0.915648	0.185285
0.806525	1.11515	0.111439	0.601289	0.116908	0.98759	0.196725
0.935542	1.1589	0.121583	0.66275	0.13189	1.06946	0.19213
1.03953	1.20217	0.126275	0.722212	0.13706	1.15412	0.208856
1.10596	1.22799	0.115905	0.771166	0.1417	1.21542	0.185757
1.19798	1.24342	0.125696	0.82157	0.156401	1.27468	0.181972
1.25335	1.23796	0.131843	0.860598	0.170507	1.32341	0.194486
1.26674	1.21076	0.129443	0.874177	0.172768	1.35676	0.180684
1.39346	1.17744	0.128508	0.877073	0.174673	1.35358	0.170946
1.28953	1.13822	0.121773	0.874015	0.169088	1.33169	0.175599
1.2724	1.08245	0.107369	0.848094	0.159512	1.28133	0.170977
1.18677	1.01939	0.0923853	0.816556	0.149724	1.2281	0.145281
1.14523	0.959515	0.0843269	0.768536	0.139898	1.15411	0.145809
1.05906	0.908932	0.0851578	0.721166	0.134635	1.0934	0.132757
1.04951	0.848055	0.0716519	0.673565	0.11972	0.999141	0.116658
0.914169	0.79847	0.0640948	0.607834	0.106081	0.933809	0.120068
0.862519	0.756643	0.058822	0.557092	0.0911928	0.856746	0.0939447
0.833132	0.722452	0.056677	0.513532	0.0893557	0.791585	0.0954774
0.766016	0.692784	0.0554346	0.468541	0.0813546	0.735071	0.0811952
0.697188	0.669286	0.0595939	0.445982	0.0788157	0.702996	0.0703068
0.720437	0.644298	0.0543259	0.407812	0.0688536	0.654694	0.0655283
0.680983	0.627374	0.0498818	0.394423	0.0693227	0.638622	0.0612402
0.699999	0.614612	0.0522305	0.373747	0.0640568	0.61315	0.0634182
0.65339	0.602556	0.0523941	0.360642	0.064085	0.606194	0.0584741
0.676062	0.600437	0.0520977	0.357729	0.0717773	0.606317	0.0499105
0.705047	0.599846	0.0501272	0.348788	0.065604	0.602476	0.0502971
0.745155	0.588492	0.0527778	0.34706	0.0654982	0.602196	0.0581046
0.771886	0.586565	0.0471047	0.346056	0.0611277	0.614942	0.0462526
0.7218	0.585814	0.0557068	0.347696	0.0703055	0.632585	0.0546557
0.860991	0.587189	0.0597443	0.349467	0.0689336	0.625461	0.0593916
0.798548	0.597569	0.0606842	0.349246	0.0687127	0.659119	0.061241
0.870843	0.607401	0.0625854	0.361075	0.0754383	0.670905	0.0648628
0.861564	0.626962	0.0681339	0.365762	0.0732358	0.706396	0.058183

1.07279	0.657798	0.078679	0.368591	0.073338	0.748654	0.0642073
1.1039	0.697703	0.0905234	0.385495	0.0864582	0.802743	0.0766527
1.2166	0.756659	0.101686	0.408111	0.0888236	0.871327	0.0713357
1.3809	0.866712	0.141175	0.437551	0.0976833	0.985489	0.100265
1.66068	1.02118	0.186568	0.474868	0.118689	1.14465	0.099102
2.05264	1.25242	0.251674	0.536511	0.139913	1.40254	0.132939
2.53178	1.58237	0.360383	0.64647	0.186417	1.75713	0.160997
3.53636	2.03715	0.492013	0.795657	0.229813	2.29496	0.214554
4.46693	2.66385	0.697632	1.00131	0.337886	3.08297	0.280945
6.3201	3.50103	0.957707	1.30326	0.436778	4.15416	0.363372
8.80965	4.57599	1.29247	1.73502	0.619932	5.66729	0.504527
12.1371	5.93178	1.7426	2.30481	0.84928	7.68128	0.665466
16.3524	7.55976	2.22774	3.0801	1.15952	10.3583	0.921693
21.7905	9.47848	2.81905	4.07925	1.56075	13.7564	1.28922
28.8871	11.6463	3.47515	5.2999	2.05533	17.9028	1.58111
36.9856	13.9727	4.21035	6.81219	2.64751	22.7908	2.07478
47.2077	16.4544	4.95215	8.53117	3.32292	28.4736	2.62301
59.1444	18.8764	5.77182	10.5238	4.13052	34.8362	3.23421
71.3179	21.1195	6.48406	12.6163	4.96955	41.4284	3.76185
83.9831	23.0558	7.064	14.8104	5.78641	48.3172	4.49601
97.4547	24.5471	7.51067	16.9769	6.66282	54.8546	5.16745
110.626	25.4989	7.75338	19.0446	7.53979	60.7473	5.60481
120.904	25.8543	7.91146	20.8463	8.20873	65.7786	6.08034
130.133	25.5682	7.81083	22.1464	8.72621	69.165	6.51586
136.315	24.5991	7.49717	22.9565	9.09012	71.0412	6.65515
138.065	23.1701	7.03853	23.3481	9.23555	71.1657	6.75469
138.966	21.2308	6.40434	23.0778	9.09575	69.5385	6.66104
134.992	19.0353	5.73417	22.2221	8.78167	66.1697	6.33425
126.999	16.6273	4.9526	20.8848	8.20776	61.3628	5.88699
116.651	14.2027	4.21297	19.1821	7.53238	55.5451	5.30132
105.279	11.8697	3.50348	17.1643	6.73402	49.1532	4.79761
93.0746	9.72116	2.83011	14.9821	5.89349	42.3293	4.09695
80.1195	7.78789	2.24175	12.7585	4.91494	35.5958	3.54082
67.1034	6.13921	1.72404	10.6271	4.12104	29.159	2.85697
55.4222	4.79814	1.30303	8.67006	3.34135	23.3846	2.34296
44.3065	3.72744	0.952541	6.88162	2.61987	18.3032	1.80481
34.868	2.90462	0.690578	5.3681	2.00318	14.0027	1.36465
26.2886	2.27251	0.488293	4.139	1.52361	10.4951	1.04319
20.0783	1.81366	0.338936	3.11617	1.14233	7.71	0.761811
14.6221	1.48735	0.239591	2.32424	0.793567	5.58116	0.536254
10.5904	1.27544	0.173582	1.73918	0.570606	4.0226	0.408542
7.66741	1.12414	0.13498	1.30439	0.401079	2.89151	0.293672
5.49714	1.03835	0.108238	1.00042	0.279016	2.09028	0.193954
3.94747	0.976321	0.0901172	0.781852	0.200022	1.54	0.149505
2.80515	0.937873	0.083513	0.63751	0.157571	1.16088	0.114471
2.17489	0.916148	0.0765444	0.539808	0.114717	0.927858	0.0851394
1.649	0.904194	0.0569866	0.477916	0.0948945	0.78089	0.076989

1.29427	0.894505	0.0642197	0.441993	0.0711823	0.694851	0.0628987
1.00349	0.897566	0.0621366	0.418793	0.0710184	0.620651	0.0593832
0.895768	0.900136	0.0602234	0.402385	0.0677591	0.591155	0.0583691
0.87032	0.900759	0.0661016	0.392083	0.0629876	0.568316	0.0613838
0.799799	0.903414	0.0649131	0.400862	0.0656671	0.554124	0.0594834
0.678094	0.901297	0.0616461	0.391317	0.0631244	0.554327	0.0584392
0.73876	0.895774	0.0636004	0.39223	0.0586558	0.558583	0.0616487
0.639922	0.904017	0.0560937	0.395822	0.0622388	0.556957	0.0537569
0.660904	0.901494	0.0541111	0.397833	0.0560699	0.565074	0.0651751
0.655779	0.902366	0.0586835	0.399483	0.0538525	0.556466	0.0638433
0.688612	0.900071	0.0569755	0.395695	0.0524721	0.565074	0.0561913
0.650905	0.909005	0.0545434	0.402432	0.0516957	0.564914	0.0497883
0.68014	0.913881	0.0647529	0.406857	0.0597635	0.582316	0.0595777
0.658876	0.919766	0.0629884	0.408013	0.0484858	0.587877	0.0623491
0.712528	0.925793	0.0574715	0.413483	0.0513401	0.594169	0.0585457
0.683407	0.930172	0.0558305	0.413092	0.053007	0.608881	0.0565344
0.662523	0.931478	0.0548824	0.422527	0.0581017	0.622013	0.0665531
0.678849	0.94037	0.0568321	0.425647	0.0575544	0.636475	0.054245
0.72128	0.95215	0.0566033	0.431182	0.0624174	0.654052	0.0611873
0.6796	0.963955	0.0585311	0.432918	0.061006	0.674666	0.0536096
0.692431	0.979753	0.0621035	0.452505	0.0629322	0.701624	0.0616244
0.699198	1.00602	0.0662468	0.464769	0.0674404	0.741003	0.0590997
0.821349	1.04252	0.070192	0.478107	0.0627917	0.780586	0.0652913
0.883137	1.09222	0.084643	0.494707	0.0787425	0.847045	0.0583353
0.925422	1.14833	0.0974181	0.519052	0.0897336	0.93253	0.066181
1.02588	1.22942	0.127416	0.543535	0.0961227	1.0329	0.0780081
1.24048	1.33472	0.163615	0.583569	0.110882	1.17995	0.1021
1.49935	1.46551	0.194428	0.635088	0.132187	1.36194	0.100436
1.71006	1.63386	0.255027	0.715766	0.160044	1.61191	0.136446
2.01291	1.83938	0.309244	0.809912	0.182438	1.91788	0.148003
2.60598	2.08404	0.364174	0.915296	0.235449	2.31792	0.185028
3.19752	2.36493	0.451597	1.0694	0.306281	2.83008	0.22104
3.93239	2.66594	0.545963	1.26351	0.375878	3.40534	0.276986
4.91553	3.02033	0.644584	1.47093	0.464496	4.12168	0.318378
5.78639	3.34411	0.764117	1.72691	0.55219	4.94186	0.416006
7.06943	3.70127	0.84405	2.00945	0.663663	5.81256	0.467385
8.31663	4.03312	0.954305	2.3183	0.787632	6.7619	0.558242
9.74184	4.31326	1.02293	2.63361	0.910561	7.76362	0.645602
11.0604	4.52578	1.10188	2.9633	1.03108	8.71861	0.699105
12.7199	4.71424	1.14075	3.254	1.18213	9.57618	0.802721
13.4995	4.80004	1.15543	3.53592	1.29794	10.3446	0.842044
15.0982	4.77845	1.16559	3.76439	1.34158	10.9441	0.910437
15.7835	4.6669	1.1298	3.90017	1.40019	11.3124	0.968173
16.0888	4.46015	1.05861	4.01099	1.43491	11.4354	0.954964
16.4338	4.1955	0.981635	4.0052	1.46994	11.3345	0.998023
16.1014	3.89265	0.894877	3.90518	1.42075	10.9486	0.936274
15.4019	3.56098	0.802957	3.77826	1.36024	10.3709	0.919485

14.6984	3.20116	0.699196	3.53551	1.27609	9.61624	0.807514
13.4855	2.84631	0.584551	3.2669	1.15037	8.69913	0.759821
12.2525	2.51239	0.492747	2.97313	1.03343	7.71246	0.707605
10.6962	2.19546	0.397253	2.63698	0.906695	6.73259	0.573564
9.43463	1.92101	0.312251	2.29946	0.771784	5.73654	0.507073
7.91218	1.67941	0.239867	1.98439	0.657942	4.7837	0.422057
6.50159	1.49125	0.180481	1.6825	0.515246	3.9269	0.358698
5.34666	1.34136	0.142546	1.42162	0.420169	3.17792	0.271479
4.11664	1.21589	0.113558	1.20454	0.339327	2.54614	0.2147
3.33296	1.12884	0.0819461	0.995894	0.25411	2.00722	0.171975
2.52625	1.06885	0.0730541	0.855646	0.201135	1.59158	0.142571
1.95669	1.02131	0.0728794	0.712081	0.145533	1.2642	0.110309
1.4565	0.997908	0.0645688	0.629883	0.111501	1.00531	0.0844182
1.11662	0.982817	0.0511274	0.563451	0.091212	0.821789	0.068581
0.824799	0.987425	0.0510307	0.509201	0.0789942	0.677769	0.0486258
0.624661	0.998873	0.0539311	0.474253	0.0586258	0.590268	0.0528097
0.485432	1.0114	0.0639671	0.448888	0.052324	0.514516	0.0419877
0.360759	1.03813	0.0641015	0.439285	0.0619266	0.470005	0.0337875
0.295291	1.06783	0.0669633	0.435349	0.0497591	0.440696	0.0389016
0.231438	1.09326	0.0741798	0.436853	0.0579241	0.424193	0.0387495
0.219043	1.12441	0.0787399	0.431503	0.0536226	0.415522	0.0332388
0.178611	1.15247	0.0737908	0.446256	0.0580101	0.408429	0.032897
0.179137	1.18329	0.0852458	0.45702	0.0619345	0.401088	0.0321218
0.181837	1.19932	0.0893441	0.465619	0.0653782	0.394602	0.037129
0.163251	1.21654	0.0886371	0.472622	0.0658093	0.404341	0.0328114
0.154999	1.22481	0.089394	0.479139	0.0757418	0.408361	0.0323227
0.17943	1.2238	0.090029	0.490562	0.0705054	0.418966	0.03505
0.177925	1.22328	0.0906855	0.498674	0.0774615	0.42114	0.0343264
0.210087	1.20405	0.0879674	0.515604	0.0752039	0.435291	0.0375256
0.21379	1.18783	0.0734355	0.51103	0.0859726	0.447773	0.0351021
0.246172	1.18295	0.0763366	0.518058	0.0775389	0.460986	0.0427404
0.259319	1.16188	0.0732436	0.513151	0.0778294	0.473506	0.0346694
0.286466	1.13895	0.066399	0.520118	0.064821	0.481906	0.0419616
0.300574	1.11047	0.0648459	0.517772	0.0721642	0.498333	0.0409041
0.32333	1.08857	0.0608382	0.515713	0.0769016	0.507576	0.0449691
0.336652	1.06631	0.0536377	0.510321	0.0686841	0.511766	0.0368668
0.386705	1.03951	0.0562582	0.512242	0.0708935	0.529377	0.0327129
0.406718	1.02039	0.0625783	0.503202	0.0722087	0.530136	0.0475164
0.419256	1.01097	0.0535226	0.500363	0.0633363	0.536228	0.0396697
0.371615	0.988862	0.0550076	0.494616	0.0617128	0.536842	0.0517814
0.375552	0.970465	0.0592776	0.48856	0.0641572	0.541704	0.0426934
0.380761	0.96191	0.0579486	0.483249	0.0679359	0.541783	0.0446009
0.366281	0.959218	0.0624579	0.468943	0.0617193	0.529335	0.049887
0.310866	0.958338	0.0625162	0.467741	0.0528721	0.526645	0.0553571
0.293787	0.949807	0.0628559	0.466197	0.0646975	0.51284	0.0495861
0.265387	0.947241	0.0619349	0.454895	0.0667171	0.518314	0.0635861
0.263664	0.949563	0.0597253	0.455649	0.0590531	0.510994	0.0600625

0.239323	0.949586	0.0601531	0.446184	0.0529012	0.501009	0.0676795
0.20151	0.952886	0.0523668	0.438833	0.0605439	0.494602	0.0704392
0.182293	0.958173	0.0491987	0.448904	0.0682066	0.483002	0.0837324
0.177616	0.96749	0.0616882	0.452047	0.0673244	0.490085	0.0813358
0.154393	0.969837	0.0636359	0.448615	0.0609147	0.487985	0.0845174
0.154072	0.97998	0.0649936	0.448209	0.0579059	0.482122	0.0796312
0.114836	0.974893	0.0555938	0.447372	0.0600655	0.481405	0.0875627
0.119183	0.977131	0.0562559	0.460188	0.0577207	0.48212	0.088649
0.124637	0.970829	0.0569205	0.455004	0.0604347	0.490327	0.08562
0.0990258	0.973648	0.0530231	0.46204	0.057163	0.481442	0.0833675
0.105388	0.973507	0.0510112	0.459646	0.0633873	0.478934	0.0706467
0.107512	0.955779	0.0536249	0.459404	0.0709501	0.486386	0.0715792
0.114997	0.950234	0.0594816	0.465048	0.0635551	0.492191	0.0722369
0.119884	0.946964	0.0632066	0.464595	0.0576193	0.488654	0.0706703
0.107877	0.945337	0.0545257	0.458018	0.0587977	0.480985	0.0767619
0.112351	0.947586	0.0517848	0.463312	0.0647178	0.489826	0.0618618
0.106332	0.942309	0.0543078	0.466665	0.0677396	0.489605	0.0659927
0.11404	0.943077	0.0473838	0.4647	0.0706412	0.48942	0.0530158
0.105791	0.946353	0.0541303	0.465523	0.0623014	0.489369	0.0664286
0.116616	0.928581	0.0557196	0.465494	0.0642478	0.485123	0.0481439
0.107601	0.926796	0.0625468	0.459797	0.0618275	0.482991	0.0516537
0.104479	0.928612	0.0510837	0.460955	0.0600459	0.48634	0.0484477
0.110972	0.917202	0.052172	0.458044	0.0594642	0.477237	0.0427297
0.0856878	0.910616	0.0553309	0.457272	0.0659642	0.48239	0.0440347
0.0966248	0.913599	0.0599032	0.461546	0.066204	0.489949	0.043745
0.109693	0.903571	0.0536792	0.453005	0.058198	0.494954	0.0375638
0.105158	0.891733	0.0574151	0.444533	0.0576705	0.48172	0.0390412
0.111329	0.887036	0.0518489	0.441326	0.0599543	0.490259	0.0428678
0.103886	0.884104	0.0459089	0.451184	0.0635569	0.483441	0.0366457
0.107036	0.891436	0.0570807	0.444151	0.0642872	0.494367	0.0386191
0.0975881	0.89357	0.0508015	0.450207	0.0605744	0.484012	0.0363178
0.0956286	0.893497	0.0529496	0.442195	0.0577774	0.496061	0.0394199
0.114313	0.889824	0.0552349	0.445829	0.0605803	0.492909	0.0344918
0.140166	0.891016	0.0523136	0.447144	0.0488557	0.489592	0.0379214
0.121139	0.899487	0.0506571	0.45543	0.0543712	0.490277	0.0364788
0.100607	0.904651	0.0577001	0.446332	0.0534447	0.493947	0.040404
0.140177	0.902841	0.0433651	0.45942	0.0464325	0.507118	0.0405272
0.139595	0.903527	0.0520583	0.452295	0.0469341	0.509601	0.0269612
0.130291	0.908797	0.0487619	0.457698	0.0573051	0.517932	0.0372214
0.141934	0.923197	0.0436261	0.466695	0.0467316	0.529321	0.0449686
0.168186	0.92241	0.0556714	0.465329	0.0478154	0.536827	0.0488036
0.161584	0.925891	0.0477818	0.474809	0.0530765	0.546774	0.0400659
0.183394	0.935068	0.0483851	0.475908	0.0536258	0.554946	0.0431185
0.185237	0.942821	0.0468763	0.475854	0.0470964	0.576167	0.0407528
0.211069	0.93519	0.0479648	0.483879	0.0546683	0.58023	0.040752
0.212701	0.938114	0.0465401	0.489424	0.054454	0.579291	0.0462271
0.211772	0.942098	0.0480756	0.493763	0.0599562	0.588157	0.0479928

0.21523	0.944767	0.0452953	0.501153	0.0558547	0.59655	0.0452477
0.267783	0.951486	0.0429054	0.493337	0.059477	0.606089	0.0512384
0.217568	0.944481	0.0395433	0.494171	0.0573739	0.606887	0.0473102
0.263352	0.953397	0.0535906	0.495938	0.0601603	0.599401	0.0465667
0.241577	0.955098	0.0523374	0.496272	0.0606185	0.599404	0.0428862
0.240196	0.950016	0.0439409	0.499254	0.0640947	0.600043	0.044774
0.267886	0.949683	0.0435456	0.49497	0.0612241	0.592889	0.0445035
0.248756	0.949833	0.0516228	0.488585	0.0661872	0.590607	0.0488613
0.232097	0.944505	0.0519528	0.485656	0.0554956	0.576749	0.0370544
0.227129	0.948604	0.0514881	0.482907	0.0573227	0.581052	0.0300366
0.231706	0.951507	0.0494571	0.478094	0.0502083	0.563997	0.0406183
0.226277	0.956868	0.0479285	0.483469	0.0547166	0.564382	0.0426423
0.227101	0.965098	0.0479768	0.477143	0.0430273	0.563623	0.0360813
0.198007	0.971804	0.0439043	0.482603	0.0576218	0.556934	0.0355999
0.195566	0.975183	0.0477251	0.475274	0.058077	0.552871	0.0316167
0.174351	0.976961	0.0472091	0.477585	0.0549095	0.548699	0.0385979
0.184482	0.990757	0.0517089	0.474406	0.0541867	0.553451	0.0410961
0.177815	0.997215	0.0470506	0.482161	0.0569496	0.557962	0.0464594
0.172905	1.00435	0.0533798	0.475933	0.050881	0.55086	0.0422359
0.177777	1.02075	0.049827	0.487059	0.0539117	0.553285	0.0366171
0.157701	1.02977	0.0560179	0.482865	0.050365	0.556171	0.0463488
0.153105	1.02999	0.0580947	0.480144	0.0524789	0.555309	0.0401321
0.149825	1.04374	0.0604038	0.486208	0.0510979	0.569942	0.0328322
0.149388	1.0555	0.0604657	0.490277	0.0569969	0.558293	0.0452767
0.100961	1.06701	0.0484581	0.497849	0.046848	0.577966	0.044881
0.139985	1.07781	0.0631206	0.492121	0.0500057	0.575338	0.0484218
0.125408	1.08914	0.0645734	0.502941	0.0560674	0.573061	0.0462462
0.115112	1.08802	0.0582639	0.506949	0.0615067	0.585705	0.0463827
0.136573	1.10534	0.0625755	0.507747	0.0545955	0.583235	0.0474614
0.116914	1.1255	0.0659912	0.508599	0.0519391	0.585858	0.0443639
0.11968	1.13141	0.0731253	0.508392	0.056983	0.597228	0.04645
0.0953681	1.15162	0.0750047	0.521514	0.0588211	0.589419	0.0525044
0.0993864	1.15232	0.0746848	0.518647	0.0597634	0.606957	0.0450545
0.113893	1.1551	0.080002	0.519956	0.0590579	0.60267	0.0430324
0.102234	1.16983	0.0894533	0.528839	0.0651164	0.613281	0.0546689
0.100125	1.1893	0.0852721	0.53174	0.0630769	0.614482	0.0416395
0.104779	1.20651	0.0823271	0.541744	0.0714383	0.623381	0.0502625
0.113182	1.22277	0.0951548	0.544519	0.0574875	0.611587	0.0518808
0.120008	1.22776	0.0909103	0.549907	0.0615972	0.638781	0.0475032
0.101536	1.23816	0.0878654	0.557596	0.0746422	0.629826	0.0489991
0.106209	1.25158	0.0949434	0.554834	0.0691966	0.642675	0.0435933
0.101772	1.26659	0.0989945	0.563054	0.0640514	0.634114	0.0480808
0.111063	1.28313	0.0966303	0.579214	0.0812915	0.65394	0.0486887
0.106265	1.29427	0.0978902	0.565969	0.064758	0.659959	0.0510101
0.112765	1.31188	0.0906657	0.58448	0.0767114	0.668679	0.0457487
0.109546	1.33123	0.0944289	0.585387	0.0714786	0.683328	0.0597014
0.0959754	1.35646	0.0914292	0.600997	0.0757611	0.696263	0.0587796

0.0986272	1.37365	0.109913	0.605784	0.0797692	0.716389	0.0434225
0.111244	1.3956	0.108055	0.616379	0.0752908	0.733399	0.0556829
0.109576	1.40873	0.0998991	0.630181	0.0825142	0.762234	0.0530671
0.124514	1.42707	0.0931185	0.637595	0.0775188	0.778369	0.0474859
0.132466	1.4497	0.105576	0.648717	0.0797071	0.814543	0.0453475
0.107465	1.46131	0.104742	0.66565	0.0855513	0.83898	0.0536224
0.121345	1.48402	0.0865545	0.672157	0.0800394	0.869035	0.0500474
0.121525	1.50007	0.0974198	0.685074	0.075741	0.902035	0.0468661
0.0974662	1.51212	0.0981638	0.699254	0.0932091	0.931838	0.0694084
0.0997277	1.50593	0.0932069	0.717821	0.088717	0.951119	0.0699575
0.106369	1.51957	0.0903157	0.736347	0.0786742	0.975344	0.062439
0.125371	1.53356	0.082873	0.738861	0.0776036	0.978991	0.0607615
0.107215	1.52073	0.0870462	0.745118	0.0820754	1.00295	0.0673997
0.102887	1.51985	0.087795	0.745417	0.0790102	0.997341	0.058588
0.116002	1.51104	0.078524	0.754793	0.0895043	0.99607	0.0716464
0.119942	1.4991	0.0797169	0.745091	0.087418	0.981326	0.0670539
0.110054	1.50127	0.0802391	0.746429	0.0861003	0.977253	0.0702543
0.121189	1.48776	0.0764272	0.752824	0.088283	0.946736	0.0594436
0.127786	1.49568	0.0691331	0.737617	0.0884952	0.93141	0.0547967
0.10163	1.47986	0.0685322	0.736386	0.0845716	0.910098	0.066991
0.131457	1.46264	0.0782369	0.725901	0.078551	0.87532	0.06174
0.129522	1.46254	0.077536	0.727076	0.0765138	0.856714	0.0592957
0.116715	1.46593	0.0791023	0.707497	0.0745259	0.828916	0.0607172
0.119186	1.45548	0.0806012	0.707354	0.0748536	0.810036	0.0602629
0.119706	1.45712	0.0780898	0.698242	0.0738303	0.805187	0.0619163
0.127488	1.45464	0.0839931	0.692975	0.0834936	0.788724	0.0522901
0.12951	1.44791	0.0791638	0.676699	0.0740966	0.769893	0.0577744
0.111333	1.45126	0.0806122	0.687694	0.0766131	0.759177	0.0496366
0.115274	1.4638	0.0789038	0.682268	0.06378	0.749593	0.057582
0.130557	1.45484	0.0757527	0.67995	0.0740189	0.744677	0.0576745
0.130787	1.46027	0.0947016	0.681228	0.0748137	0.730918	0.0543545
0.115063	1.45879	0.0848792	0.673913	0.0688411	0.728116	0.0540607
0.129937	1.45405	0.0709876	0.678709	0.0565981	0.741078	0.0573711
0.133075	1.46412	0.0946729	0.686596	0.0662865	0.735098	0.0564154
0.122555	1.46872	0.0932926	0.687669	0.0627953	0.741219	0.0485724
0.140359	1.4625	0.0834404	0.682345	0.0592416	0.733568	0.057408
0.110717	1.46182	0.0977664	0.676928	0.0611871	0.726604	0.050198
0.103571	1.47381	0.0893253	0.692047	0.0664222	0.724592	0.0580498
0.129624	1.45664	0.0811133	0.685647	0.0565706	0.732702	0.0477554
0.144031	1.4662	0.0858918	0.688029	0.0534326	0.731253	0.0488882
0.112192	1.45196	0.0859922	0.684497	0.0489543	0.7269	0.0529937
0.12518	1.45174	0.0820036	0.691247	0.0594911	0.738753	0.0366997
0.130511	1.46747	0.0992565	0.680406	0.0654076	0.73133	0.0530785
0.118723	1.45933	0.0762015	0.678487	0.0612776	0.729637	0.0426805
0.11636	1.46283	0.0781547	0.67693	0.0555937	0.723904	0.0498202
0.131096	1.44634	0.082724	0.681393	0.0522278	0.723105	0.0517714
0.143549	1.44201	0.0858348	0.687733	0.0526539	0.714817	0.0467929

0.136276	1.45242	0.0873006	0.689451	0.0521975	0.731521	0.0462185
0.126007	1.44528	0.084596	0.690703	0.0574705	0.715024	0.0420244
0.130741	1.43918	0.0824084	0.687913	0.0530957	0.72331	0.044195
0.139856	1.43417	0.0926384	0.677398	0.0538715	0.715612	0.0427187
0.126269	1.43607	0.0948336	0.674555	0.0594002	0.706387	0.0529919
0.149448	1.43897	0.0835318	0.687769	0.0597779	0.69702	0.0447088
0.148618	1.43942	0.0840978	0.682086	0.0590175	0.707963	0.0405342
0.176727	1.44247	0.0878757	0.680799	0.049923	0.704263	0.0417453
0.157729	1.43168	0.0868608	0.673746	0.0647753	0.705942	0.0396809
0.140273	1.42993	0.0837346	0.67168	0.0566203	0.716826	0.0362717
0.145458	1.43225	0.0846835	0.680466	0.0568194	0.708044	0.0383841
0.157558	1.42493	0.0844184	0.675313	0.058188	0.702459	0.0487179
0.149854	1.43644	0.0897241	0.680962	0.0565477	0.697253	0.0385034
0.177615	1.42284	0.0805134	0.674271	0.0538832	0.715939	0.0350569
0.161862	1.428	0.0791623	0.676304	0.0578812	0.706813	0.0392494
0.148426	1.4341	0.0826446	0.680857	0.0633094	0.706298	0.0384029
0.178968	1.42731	0.0904582	0.675371	0.049972	0.723015	0.0455593
0.175119	1.42123	0.0813506	0.671137	0.0564534	0.720855	0.0403153
0.169396	1.42402	0.0761734	0.679774	0.0531446	0.722385	0.0356037
0.178347	1.43277	0.0802456	0.666996	0.0553267	0.724746	0.0381882
0.156199	1.43029	0.0776472	0.674625	0.0606538	0.722913	0.0371799
0.149483	1.43258	0.0740146	0.679693	0.0592796	0.726121	0.0412048
0.153729	1.42644	0.0760987	0.683367	0.064441	0.745147	0.0393016
0.148997	1.42871	0.0804492	0.678533	0.0530732	0.738521	0.0434697
0.147587	1.43095	0.0898775	0.683492	0.0607816	0.749332	0.0449964
0.153141	1.42735	0.0733113	0.672703	0.0527252	0.74742	0.0384829
0.13044	1.43407	0.0822363	0.666256	0.0661105	0.758117	0.0426639
0.1327	1.43051	0.0703865	0.678221	0.0566225	0.763687	0.0439412
0.143774	1.42891	0.0738019	0.68928	0.0569503	0.75394	0.0444991
0.160439	1.42771	0.0750869	0.683008	0.0570962	0.755614	0.0322368
0.140228	1.42443	0.0743853	0.6862	0.0564705	0.742444	0.0479825
0.128434	1.421	0.064614	0.674476	0.0592512	0.75518	0.0360921
0.132323	1.41954	0.0602367	0.677305	0.0547401	0.753817	0.0426651
0.139347	1.42117	0.0639833	0.679967	0.0559991	0.748533	0.0390675
0.151528	1.43177	0.0715197	0.682718	0.0623105	0.745884	0.037312
0.137552	1.42573	0.0761374	0.683741	0.0482168	0.752362	0.0338552
0.148017	1.42565	0.0755555	0.675258	0.0495927	0.739711	0.0445456
0.126374	1.42398	0.0627133	0.677397	0.0512878	0.74545	0.0421443
0.131907	1.42435	0.0747298	0.684295	0.0660261	0.737237	0.0358137
0.124387	1.4239	0.0723194	0.682904	0.047258	0.736862	0.0375312
0.113901	1.43056	0.0707082	0.68522	0.0495224	0.728491	0.0494707
0.106511	1.43785	0.0728798	0.681095	0.0590283	0.735471	0.0364231
0.100003	1.43852	0.0726106	0.691886	0.0540961	0.744929	0.0349661
0.113532	1.43773	0.0664133	0.689904	0.0525229	0.738242	0.0434046
0.115479	1.44136	0.0591987	0.688596	0.0486318	0.745958	0.0407946
0.0973816	1.43503	0.066186	0.688698	0.0573378	0.74937	0.0488894
0.116596	1.44782	0.0673478	0.693072	0.0527958	0.742546	0.0436018

0.12733	1.46201	0.064085	0.701945	0.0493321	0.752577	0.0503197
0.103567	1.45823	0.073576	0.70256	0.0553229	0.759288	0.0411441
0.114731	1.46066	0.0518151	0.699135	0.0527816	0.76338	0.0416992
0.0864103	1.46554	0.0577179	0.706642	0.0553796	0.755107	0.0366157
0.102652	1.47524	0.0619933	0.70869	0.0532072	0.771793	0.0483243
0.110633	1.49206	0.0765503	0.710195	0.0557015	0.777158	0.0490705
0.108219	1.50115	0.0740523	0.724573	0.0514681	0.790668	0.0249848
0.0929882	1.49985	0.0736347	0.721568	0.0577958	0.789826	0.0467696
0.107978	1.50052	0.0613065	0.709895	0.0503488	0.795873	0.042744
0.0921147	1.5048	0.0565175	0.725835	0.059349	0.797704	0.0501656
0.109468	1.5107	0.0673994	0.728825	0.0576603	0.793442	0.0486732
0.0997048	1.5126	0.0724425	0.728089	0.0557355	0.815747	0.0361851
0.101014	1.51108	0.0677963	0.72819	0.0564205	0.810566	0.0509148
0.0949478	1.52205	0.0771082	0.724842	0.0529003	0.807529	0.0470599
0.124819	1.52687	0.081972	0.734444	0.056922	0.814768	0.0392135
0.114417	1.52307	0.0782438	0.729813	0.0568382	0.813457	0.042182
0.105116	1.53602	0.0827066	0.747336	0.0519527	0.814479	0.0383847
0.13312	1.53975	0.0826963	0.748136	0.0631964	0.810587	0.0491775
0.105803	1.54167	0.0769634	0.739059	0.0575539	0.812804	0.0396101
0.141253	1.54945	0.081095	0.746509	0.0661577	0.812312	0.0389265
0.119535	1.54151	0.0802948	0.744183	0.0691603	0.804545	0.0519286
0.126789	1.5529	0.0767267	0.739053	0.0626825	0.801772	0.042699
0.127347	1.55556	0.0695443	0.755672	0.0631265	0.812699	0.047273
0.133267	1.55205	0.0736161	0.743988	0.0629309	0.81481	0.0440766
0.118152	1.54619	0.07579	0.754696	0.0581053	0.803433	0.0438268
0.138595	1.55032	0.0696044	0.754305	0.0597397	0.801877	0.0475628
0.133465	1.55694	0.0637263	0.750389	0.0640989	0.797165	0.0493592
0.128714	1.55885	0.0688473	0.752321	0.063207	0.793631	0.045193
0.126074	1.55541	0.0702426	0.749311	0.0587598	0.801961	0.0436202
0.125741	1.55698	0.0640503	0.754446	0.0554944	0.799126	0.055086
0.140655	1.55154	0.0623909	0.752119	0.0655757	0.801564	0.0424261
0.127346	1.56089	0.0733978	0.749856	0.0666222	0.800035	0.0363693
0.129572	1.56661	0.0684013	0.759447	0.0644025	0.801081	0.0442136
0.119106	1.56384	0.0745823	0.759052	0.0639786	0.791772	0.0613219
0.124878	1.56047	0.0789593	0.76074	0.0654077	0.796291	0.0487655
0.120441	1.56229	0.0577207	0.756411	0.0605393	0.790899	0.0492933
0.120574	1.56481	0.0613023	0.75915	0.0538275	0.800428	0.0615938
0.110327	1.57068	0.0702538	0.761205	0.0597949	0.800733	0.0340748
0.125751	1.57142	0.0695562	0.763558	0.0704736	0.806813	0.0513196
0.116677	1.57608	0.0592985	0.757293	0.0562213	0.805177	0.0534771
0.0997382	1.58083	0.0669258	0.763829	0.0583867	0.802575	0.057773
0.112855	1.5721	0.0707836	0.766819	0.062463	0.797343	0.0462066
0.0964331	1.57163	0.0705061	0.768036	0.0559786	0.807705	0.0461591
0.120216	1.57596	0.0726533	0.75997	0.0598332	0.798517	0.0474374
0.0954949	1.57909	0.0770238	0.781376	0.0550849	0.803479	0.0445884
0.11373	1.57918	0.0786322	0.778394	0.0620065	0.808577	0.0468623
0.0996956	1.56716	0.0721334	0.769866	0.0529928	0.798053	0.043234

0.104135	1.56763	0.064515	0.779272	0.0519322	0.801878	0.0461123
0.122797	1.56109	0.0689022	0.780185	0.0637278	0.807569	0.0451369
0.130519	1.57561	0.0771475	0.788644	0.0664932	0.806562	0.0490311
0.12435	1.57767	0.0680973	0.777092	0.0500322	0.803807	0.0412602
0.110387	1.57506	0.0582271	0.786307	0.048273	0.7974	0.0400097
0.107734	1.57339	0.0658025	0.794014	0.0580038	0.794778	0.0465919
0.120612	1.57794	0.0636144	0.79036	0.0565468	0.802918	0.0450892
0.136106	1.57751	0.0662865	0.79721	0.0677277	0.806416	0.0410566
0.11363	1.58694	0.0732274	0.801145	0.053955	0.802711	0.0465478
0.123941	1.57748	0.0717567	0.809603	0.0646253	0.807226	0.0501288
0.142552	1.58299	0.0706363	0.805598	0.0612991	0.806218	0.0409289
0.118101	1.58174	0.0585242	0.818462	0.0719463	0.805016	0.0496787
0.15518	1.58502	0.0587863	0.818702	0.0603227	0.807084	0.0386712
0.160735	1.58493	0.071372	0.830341	0.0655625	0.808609	0.038869
0.147355	1.59009	0.0717941	0.824689	0.069106	0.80424	0.0401795
0.136205	1.58796	0.0698703	0.830984	0.070482	0.808446	0.0491096
0.127383	1.57521	0.0783181	0.824256	0.071608	0.80423	0.039639
0.140695	1.56836	0.0732019	0.822285	0.0707647	0.799663	0.0424809
0.154621	1.56857	0.0690545	0.828928	0.0536488	0.81345	0.0494668
0.145037	1.56341	0.068504	0.831632	0.075699	0.800727	0.0432205
0.139299	1.5549	0.0649954	0.821443	0.065727	0.803284	0.0463589
0.156506	1.57361	0.076402	0.829545	0.0597551	0.802543	0.0419754
0.118228	1.56426	0.0695018	0.814159	0.0749875	0.805624	0.0472321
0.166047	1.56258	0.0655978	0.807905	0.0682965	0.790529	0.0390317
0.129375	1.55306	0.0681627	0.805571	0.0529738	0.794593	0.0492651
0.128036	1.55747	0.0533595	0.802881	0.0661912	0.798747	0.0382495
0.153714	1.55044	0.0567079	0.78638	0.0572224	0.803587	0.0590674
0.136165	1.55177	0.0594334	0.788948	0.0588802	0.792952	0.0479382
0.130034	1.5511	0.0594069	0.799351	0.0520464	0.803411	0.0463048
0.120909	1.54476	0.0647086	0.780732	0.0497616	0.797103	0.0429976
0.121381	1.54006	0.0723961	0.796192	0.0523929	0.805882	0.0503047
0.122273	1.54432	0.0712991	0.781112	0.0511034	0.800564	0.0374798
0.116813	1.53103	0.0677252	0.781111	0.0421346	0.795236	0.0468855
0.121112	1.53726	0.0651253	0.767379	0.0506091	0.790283	0.0436326
0.107763	1.53675	0.0654749	0.767135	0.0460797	0.791099	0.0462539
0.0930421	1.53696	0.0667607	0.763834	0.0415229	0.79101	0.037477
0.128549	1.53587	0.0634537	0.779912	0.0491864	0.78892	0.0345875
0.108321	1.53982	0.0550708	0.781744	0.0422293	0.776443	0.0395642
0.115789	1.53355	0.0654397	0.764008	0.0463258	0.799896	0.0520658
0.133302	1.52896	0.0613919	0.777059	0.0389091	0.797168	0.045362
0.109531	1.5335	0.0576506	0.768997	0.0425294	0.789252	0.0458159
0.101351	1.53498	0.0557406	0.777057	0.0447304	0.779545	0.0417192
0.12186	1.53502	0.0617743	0.770315	0.0480907	0.798378	0.0417272
0.127702	1.53488	0.0604936	0.771572	0.0489533	0.791945	0.0410373
0.12629	1.53853	0.0555329	0.765965	0.0484983	0.780523	0.0374345
0.121473	1.53337	0.0666688	0.766403	0.0452696	0.793591	0.0415964
0.117611	1.53945	0.0588993	0.771906	0.0488304	0.783305	0.0399279

0.134219	1.53108	0.0667765	0.763935	0.0523155	0.785684	0.0445043
0.134347	1.52848	0.0701449	0.769154	0.0435145	0.80099	0.0461264
0.125737	1.54123	0.0624605	0.772706	0.0464552	0.793613	0.0459674
0.0937242	1.5386	0.0581081	0.778956	0.0550613	0.811638	0.0466851
0.107025	1.53422	0.0558564	0.778468	0.0635104	0.802683	0.0372577
0.102598	1.53267	0.0518984	0.777767	0.0522141	0.811126	0.0515974
0.124164	1.532	0.0609812	0.775592	0.0492324	0.813369	0.0538791
0.113545	1.53864	0.0635382	0.792342	0.0571504	0.822516	0.050985
0.0962854	1.52811	0.0605505	0.780608	0.0580237	0.823679	0.0382978
0.0916729	1.5312	0.0654952	0.782932	0.0491395	0.820683	0.0472139
0.122175	1.52481	0.0703936	0.782882	0.0525794	0.834329	0.0486966
0.119316	1.53179	0.0608043	0.787682	0.0552238	0.838448	0.0552162
0.108993	1.53094	0.0643771	0.791934	0.0524261	0.836264	0.0475845
0.122923	1.53292	0.0561144	0.793335	0.0630411	0.83189	0.0424029
0.126043	1.53059	0.0593528	0.791985	0.0656933	0.840648	0.0534698
0.117316	1.52673	0.0678479	0.797435	0.0629854	0.841905	0.0488257
0.0966087	1.5197	0.0673275	0.798116	0.0680535	0.846002	0.0545543
0.111149	1.51803	0.0700699	0.790168	0.0661879	0.824411	0.0635993
0.117772	1.50372	0.0607611	0.793897	0.060715	0.849549	0.0600047
0.117138	1.50433	0.0510343	0.796367	0.0632465	0.836271	0.0531544
0.102703	1.50482	0.0547119	0.782362	0.0533161	0.829873	0.0651703
0.119977	1.5075	0.061281	0.777732	0.0595509	0.824838	0.0545876
0.105531	1.50015	0.0587242	0.776193	0.0529735	0.824902	0.0551116
0.126841	1.49402	0.0558405	0.773407	0.0636627	0.805467	0.056041
0.116562	1.49149	0.0517557	0.770556	0.0578345	0.797621	0.0499634
0.111971	1.49072	0.0596235	0.767164	0.0475061	0.801479	0.0592235
0.109037	1.48207	0.0596705	0.758278	0.0498877	0.794264	0.0599751
0.104749	1.49471	0.0559577	0.763949	0.0481993	0.779729	0.0542444
0.109255	1.48922	0.0521746	0.757874	0.0414251	0.77721	0.0485145
0.11438	1.48055	0.047977	0.753478	0.0453979	0.781762	0.0607356
0.0945218	1.47757	0.0621726	0.748391	0.0484535	0.771867	0.0477799
0.10174	1.4862	0.062023	0.75371	0.0499029	0.761806	0.0504145
0.107972	1.47955	0.0602048	0.744635	0.0568326	0.764948	0.0422283
0.123813	1.46933	0.0607988	0.752556	0.0496103	0.756094	0.0409968
0.0952014	1.46772	0.0541214	0.756894	0.0556572	0.763287	0.0471034
0.135145	1.46862	0.0547373	0.74769	0.0519924	0.753339	0.0411459
0.103407	1.46153	0.0588223	0.746542	0.054731	0.753225	0.0422874
0.107641	1.47377	0.0507262	0.739047	0.0503094	0.760197	0.0576463
0.118156	1.48108	0.0490915	0.736207	0.051418	0.760412	0.0445954
0.0897647	1.46726	0.0548435	0.744451	0.0524598	0.760693	0.0371283
0.109571	1.44943	0.0502261	0.741	0.0580138	0.741443	0.0387979
0.117554	1.45583	0.0599534	0.740248	0.0566227	0.755355	0.0435005
0.104986	1.46923	0.059348	0.734245	0.0505046	0.745192	0.0413415
0.119706	1.46739	0.0600514	0.738171	0.0551344	0.747067	0.0438906
0.100902	1.46567	0.0590657	0.739293	0.0547999	0.746533	0.0405718
0.116636	1.45815	0.0585188	0.742295	0.0559217	0.746096	0.0447626
0.116317	1.44938	0.0560432	0.738646	0.0473141	0.752568	0.0391208

0.114914	1.45371	0.0545629	0.732818	0.0504899	0.745195	0.0398837
0.130613	1.45288	0.0580172	0.737833	0.0430191	0.745103	0.042018
0.120375	1.4571	0.0584201	0.731133	0.0615085	0.740647	0.037223
0.117448	1.45596	0.0553873	0.737333	0.0544944	0.736876	0.0447853
0.120181	1.4581	0.0629995	0.73952	0.0488411	0.741673	0.0396074
0.13542	1.4483	0.0562951	0.733849	0.0502776	0.741609	0.0463985
0.123395	1.4526	0.0526361	0.723043	0.0559598	0.741791	0.0439341
0.109578	1.45505	0.0588559	0.722679	0.0531836	0.754304	0.0444128
0.116429	1.45333	0.0628687	0.732335	0.0530789	0.738958	0.0388653
0.127539	1.45306	0.0606069	0.726365	0.0531308	0.745253	0.0372756
0.141349	1.44904	0.0611978	0.735287	0.0441106	0.748884	0.0383395
0.110686	1.45304	0.0702767	0.726486	0.0423018	0.727948	0.0312685
0.119289	1.44245	0.0610482	0.716734	0.0449344	0.738494	0.0375602
0.12643	1.43848	0.0584353	0.731278	0.0486147	0.731843	0.0337077
0.133294	1.44612	0.0598928	0.72637	0.0554235	0.735571	0.038458
0.120555	1.44431	0.0626223	0.722173	0.051607	0.726496	0.0358794
0.116849	1.44583	0.0622106	0.733304	0.048825	0.727046	0.0330033
0.127674	1.45108	0.0608255	0.727789	0.0406132	0.722478	0.0422693
0.1346	1.44883	0.0625487	0.725192	0.0427397	0.726108	0.0300383
0.118696	1.44524	0.0556799	0.727931	0.0503624	0.715039	0.0359449
0.119205	1.44488	0.0528755	0.722378	0.0402644	0.715462	0.0388813
0.127663	1.44211	0.0530483	0.725321	0.0457366	0.730783	0.0328245
0.113933	1.43794	0.0603954	0.71587	0.0477017	0.722759	0.0314694
0.133134	1.44337	0.0675583	0.72142	0.0503917	0.722292	0.032909
0.123874	1.44552	0.0547399	0.717727	0.0502287	0.727508	0.0411293
0.117315	1.44608	0.0547304	0.724234	0.0438371	0.726391	0.0338682
0.114393	1.44548	0.054883	0.715634	0.0552907	0.715543	0.0355487
0.112568	1.44961	0.0563291	0.719113	0.0427315	0.718196	0.0401164
0.109852	1.45263	0.0577055	0.716042	0.0480262	0.722044	0.0371636
0.10579	1.44504	0.055743	0.714085	0.0525491	0.719988	0.027324
0.106494	1.44864	0.057704	0.724451	0.0407932	0.723548	0.0384499
0.106722	1.44982	0.0552133	0.720981	0.0472071	0.712051	0.0356444
0.112546	1.44288	0.0518074	0.715406	0.0451563	0.718495	0.0349925
0.101032	1.44106	0.0511899	0.725979	0.0548072	0.716048	0.0369409
0.100331	1.44964	0.0512486	0.713557	0.0386812	0.729548	0.0321596
0.108138	1.44274	0.0471421	0.715368	0.0395173	0.722097	0.0320038
0.112448	1.43545	0.0531765	0.716685	0.0491949	0.726867	0.0388908
0.10246	1.44043	0.0523568	0.708658	0.0399995	0.725204	0.0323259
0.090305	1.44907	0.0527732	0.711863	0.0516793	0.716204	0.0326056
0.106735	1.4467	0.0535375	0.712235	0.0487612	0.717183	0.0333776
0.118077	1.44343	0.0608723	0.717225	0.0433395	0.72088	0.041923
0.096478	1.45058	0.0523891	0.713871	0.0460109	0.712876	0.042581
0.0832042	1.44363	0.0508161	0.711503	0.0473238	0.722856	0.0366014
0.117023	1.43842	0.0532124	0.701758	0.0463577	0.711417	0.0455133
0.0926013	1.44248	0.0579004	0.714115	0.0435705	0.717366	0.0452398
0.100939	1.44724	0.0596303	0.713043	0.0452317	0.72077	0.0391757
0.120275	1.44093	0.0566159	0.711543	0.0464278	0.708272	0.0392626

0.0939606	1.44359	0.0616014	0.708812	0.0369639	0.721427	0.0378637
0.0842214	1.45007	0.062405	0.70272	0.0426486	0.708915	0.0300002
0.0999885	1.43869	0.0611387	0.715645	0.0480288	0.703048	0.0322299
0.110293	1.4322	0.0607602	0.707316	0.0478565	0.70996	0.0336835
0.0776421	1.43642	0.056165	0.712483	0.0442152	0.712322	0.0482027
0.0915889	1.44318	0.0667222	0.712262	0.0404747	0.706357	0.0360474
0.086063	1.4446	0.0705593	0.713571	0.0413902	0.709612	0.0293688
0.101992	1.43383	0.0660199	0.703638	0.0456606	0.714095	0.0390504
0.0746534	1.43732	0.0646394	0.70297	0.0426774	0.713744	0.04198
0.0855542	1.44026	0.0710845	0.712357	0.0462822	0.720351	0.0346563
0.108161	1.44099	0.0664617	0.706174	0.0451315	0.707926	0.0366404
0.101956	1.44192	0.0636711	0.70777	0.0499448	0.708499	0.0393154
0.0910303	1.43313	0.0686477	0.711913	0.0403623	0.708991	0.0369952
0.0939386	1.43238	0.0681786	0.706604	0.039825	0.704686	0.0365297
0.0945612	1.43492	0.0659388	0.709312	0.0498011	0.704779	0.0271222
0.0961785	1.43405	0.0602211	0.704673	0.0329015	0.711034	0.047597
0.0952835	1.43015	0.0538639	0.709054	0.0407793	0.715312	0.0391871
0.0975665	1.42829	0.0679791	0.699821	0.034378	0.707416	0.0311132
0.0833344	1.42968	0.0701344	0.706547	0.0406763	0.704723	0.0428949
0.0986814	1.43243	0.0627319	0.700816	0.0352045	0.704986	0.0397759
0.102459	1.42978	0.063488	0.701931	0.042045	0.709106	0.0370273
0.102086	1.43046	0.0650735	0.698764	0.0430619	0.708581	0.0397009
0.0907508	1.42747	0.0607949	0.70484	0.0438915	0.705243	0.0355643
0.084617	1.42464	0.0593368	0.694686	0.0365648	0.701459	0.0341421
0.0800393	1.42835	0.0558812	0.71293	0.0318291	0.702776	0.0411242
0.0893979	1.43225	0.0626138	0.701373	0.0441493	0.715643	0.0378789
0.0848255	1.43469	0.0676252	0.708654	0.034705	0.705705	0.0321479
0.10123	1.42808	0.0608416	0.713249	0.0427223	0.70646	0.0341822
0.0834103	1.43078	0.0573655	0.70319	0.0415474	0.713435	0.0447263
0.08442	1.43152	0.0618994	0.707951	0.0414091	0.706478	0.0435314
0.092184	1.43013	0.0700764	0.698384	0.0468413	0.711652	0.0388516
0.0847422	1.42726	0.0681325	0.703888	0.0408153	0.706329	0.0365042
0.10528	1.42626	0.0660946	0.716766	0.045921	0.710823	0.0448864
0.088319	1.43071	0.066968	0.698231	0.0444724	0.697274	0.040783
0.0879489	1.42432	0.0626167	0.70237	0.040989	0.719305	0.0316244
0.0747808	1.42808	0.0545267	0.708323	0.044114	0.703831	0.0297215
0.107153	1.43291	0.0533226	0.701672	0.0456043	0.710519	0.0349561
0.0922435	1.43258	0.0547848	0.706459	0.0466093	0.70611	0.0350053
0.0946685	1.43331	0.0627637	0.70808	0.0395232	0.709816	0.0433641
0.0831862	1.42854	0.0692448	0.694842	0.0477242	0.717435	0.0387902
0.0808928	1.42404	0.067044	0.708871	0.0436945	0.706019	0.0503785
0.0936033	1.42579	0.0651897	0.710633	0.0454222	0.714552	0.0438861
0.0909978	1.4285	0.0662643	0.701262	0.0507984	0.702076	0.0301835
0.0899109	1.4258	0.0579193	0.710524	0.0468911	0.70807	0.0410478
0.0869359	1.4187	0.0516015	0.704519	0.0323442	0.705759	0.0343498
0.102791	1.41786	0.0571067	0.704325	0.038557	0.69322	0.0435681
0.103897	1.4193	0.0615703	0.6882	0.039008	0.70776	0.0305519

0.111141	1.41779	0.0572319	0.702602	0.0407582	0.707954	0.0361382
0.0930845	1.42381	0.0564567	0.710208	0.0353545	0.69587	0.0412692
0.100337	1.42428	0.058445	0.711408	0.0352387	0.696859	0.041147
0.0970268	1.42523	0.0537068	0.708877	0.0526105	0.697988	0.0345394
0.0934533	1.42188	0.05259	0.688264	0.0354081	0.690446	0.0323362
0.102269	1.41116	0.0492129	0.700696	0.0445768	0.691817	0.0348633
0.103097	1.41164	0.0474799	0.704712	0.0420848	0.698726	0.0396029
0.0917362	1.41244	0.0506337	0.704338	0.0347312	0.698793	0.0304982
0.0870884	1.41048	0.047564	0.710483	0.0362231	0.694688	0.0396707
0.0914956	1.40736	0.0410239	0.701478	0.0327707	0.701924	0.0396269
0.0828858	1.40345	0.0459529	0.705594	0.0414773	0.689736	0.0389484
0.0814288	1.40104	0.0569702	0.698025	0.0385372	0.68755	0.0389658
0.0839852	1.40193	0.0569253	0.696273	0.0389343	0.677546	0.0379909
0.0635735	1.40638	0.0517255	0.699004	0.0446172	0.68621	0.0382456
0.0941396	1.40429	0.0524744	0.697212	0.0332009	0.689365	0.0387463
0.0809527	1.39767	0.0545313	0.686953	0.0435552	0.683576	0.0422947
0.066298	1.39922	0.0539372	0.68505	0.0411085	0.6898	0.0387223
0.085098	1.40097	0.0496372	0.689762	0.0285716	0.683834	0.0367775
0.0920013	1.39478	0.0478433	0.690435	0.0374579	0.681249	0.0302107
0.0750664	1.39054	0.0516981	0.682171	0.0425431	0.688506	0.0430949
0.075285	1.38561	0.0553938	0.676238	0.0315671	0.67548	0.036499
0.0833774	1.37985	0.0547451	0.689547	0.0415949	0.680883	0.0356976
0.101601	1.37685	0.0480913	0.686722	0.0427786	0.672187	0.0353369
0.0944045	1.377	0.0458378	0.683823	0.036541	0.676625	0.0382414
0.0918071	1.3787	0.047658	0.684354	0.0384494	0.682983	0.0410309
0.0989941	1.3807	0.0481636	0.69172	0.0399527	0.667443	0.0365098
0.0720013	1.3806	0.0509647	0.686749	0.0380663	0.678116	0.0380251
0.0953796	1.37743	0.0477988	0.674093	0.0368449	0.666854	0.0437418
0.0773762	1.3812	0.0433423	0.684769	0.0424707	0.669187	0.033523
0.0856515	1.37822	0.049098	0.693087	0.041588	0.672567	0.0362368
0.0839852	1.36886	0.0499625	0.674342	0.0376929	0.669445	0.0304569
0.102915	1.36196	0.048627	0.687362	0.038992	0.670334	0.0345338
0.0890668	1.3511	0.0485462	0.678928	0.0396002	0.671008	0.0357837
0.100101	1.35325	0.0461845	0.683736	0.0288632	0.675785	0.0338475
0.100848	1.35538	0.0447136	0.680473	0.0370245	0.676351	0.0387953
0.0958809	1.34795	0.0417582	0.679801	0.0389532	0.663388	0.0336504
0.0869473	1.34859	0.0397262	0.674091	0.0345715	0.668891	0.03388
0.0900176	1.35188	0.0453627	0.683908	0.0347493	0.665998	0.0431302
0.0965016	1.34831	0.0438496	0.677492	0.0345978	0.667345	0.0403247
0.111044	1.34279	0.0431634	0.678682	0.0417489	0.659188	0.0260266
0.102288	1.34259	0.0501032	0.668356	0.0322185	0.649725	0.0395195
0.115255	1.34077	0.0511664	0.667002	0.0371394	0.664454	0.0306287
0.111153	1.33221	0.0490672	0.676557	0.0310664	0.654895	0.0343323
0.115234	1.32616	0.0439368	0.670007	0.043694	0.658756	0.0397719
0.116095	1.3326	0.0443122	0.675206	0.0325685	0.648842	0.0350391
0.117553	1.32808	0.0458225	0.666336	0.0370152	0.660341	0.0389992
0.110593	1.32214	0.0471637	0.662234	0.0393488	0.655538	0.0336554

0.121764	1.32455	0.0474255	0.662765	0.0386788	0.651129	0.0395824
0.13066	1.31344	0.0465202	0.662807	0.0352626	0.658852	0.0350145
0.124806	1.31236	0.0548358	0.660699	0.0387252	0.648503	0.0451047
0.116169	1.31701	0.0440938	0.664908	0.0303001	0.645317	0.0342461
0.132494	1.30741	0.0370866	0.657695	0.034679	0.646222	0.0332672
0.12832	1.29996	0.0426088	0.659454	0.0404995	0.65101	0.0331829
0.100938	1.29832	0.0400102	0.64918	0.0397684	0.655495	0.0382063
0.114661	1.29391	0.0422849	0.650616	0.0367764	0.640721	0.0362784
0.142009	1.29404	0.0455336	0.657215	0.0303267	0.639142	0.0329983
0.102742	1.29112	0.0514845	0.656295	0.0369011	0.640073	0.0234456
0.102448	1.28606	0.0429055	0.648343	0.0374234	0.640201	0.0316082
0.112877	1.2886	0.0368601	0.645493	0.0417361	0.628811	0.0371566
0.120204	1.29091	0.0439749	0.649132	0.0356741	0.637475	0.0361977
0.0937429	1.29	0.0448191	0.653296	0.0358702	0.639892	0.0324678
0.132092	1.28949	0.0463644	0.645241	0.0392723	0.632864	0.0388697
0.105841	1.28256	0.0475854	0.645778	0.0430778	0.633163	0.0311302
0.109382	1.27832	0.0485041	0.643876	0.0305927	0.623358	0.0297944
0.0986863	1.27303	0.0477047	0.649457	0.0434509	0.641232	0.0300353
0.0848537	1.26334	0.0446719	0.630073	0.0262246	0.623468	0.0278704
0.107542	1.26619	0.0495323	0.634629	0.0387835	0.620549	0.0265695
0.10933	1.27555	0.0463816	0.632629	0.0366656	0.628093	0.034993
0.0767579	1.27203	0.0474896	0.636568	0.0336887	0.623285	0.0316096
0.123485	1.26655	0.0452769	0.634687	0.0343284	0.630536	0.0317789
0.101539	1.26389	0.0453247	0.638589	0.0289661	0.621599	0.0355444
0.120757	1.26292	0.0494345	0.641129	0.0300482	0.626974	0.0276797
0.121374	1.26179	0.0491146	0.634949	0.0406403	0.628314	0.0285436
0.139132	1.26725	0.0462614	0.63457	0.0361106	0.621101	0.0290496
0.14786	1.26181	0.0423614	0.632954	0.0388922	0.632231	0.0355163
0.171164	1.25182	0.0397695	0.63022	0.038676	0.631681	0.0373888
0.193526	1.2578	0.0410193	0.627513	0.0356612	0.646315	0.0312616
0.247582	1.25569	0.0404354	0.637804	0.0337322	0.63748	0.0302564
0.263696	1.2572	0.0432561	0.635656	0.0329598	0.634947	0.0400308
0.301069	1.26035	0.0485941	0.632457	0.0323479	0.636765	0.0330026
0.367921	1.25187	0.0477282	0.620578	0.0443002	0.642379	0.0297983
0.457773	1.24381	0.0462035	0.62931	0.036889	0.644444	0.0301814
0.544134	1.23931	0.0447766	0.626925	0.0383305	0.645415	0.0239017
0.61111	1.23966	0.0479479	0.637331	0.0379938	0.643675	0.0293549
0.775703	1.23323	0.0394006	0.633383	0.037907	0.647648	0.0247844
0.905482	1.22799	0.0444086	0.631661	0.0344462	0.649411	0.0333066
1.03042	1.22743	0.0482201	0.623174	0.0399218	0.642735	0.0403567
1.25979	1.22959	0.043825	0.630183	0.0394075	0.644019	0.0336604
1.45157	1.22922	0.049796	0.621751	0.0327154	0.654031	0.0309568
1.64597	1.22865	0.042481	0.623846	0.0332633	0.648715	0.0330369
1.8613	1.22818	0.0372315	0.623411	0.0290942	0.64805	0.0314094
2.05954	1.22641	0.0446238	0.622175	0.0322717	0.650809	0.0302424
2.30303	1.22634	0.0430132	0.61582	0.0371494	0.647098	0.0301503
2.52664	1.22403	0.0382491	0.618534	0.0414334	0.646057	0.037371

2.64708	1.21732	0.0387648	0.619539	0.0381463	0.647917	0.0427563
2.85552	1.21144	0.0426931	0.615855	0.0314918	0.648256	0.0295209
2.9436	1.21871	0.0484709	0.615472	0.0280206	0.65567	0.0374932
3.13415	1.21172	0.0442949	0.618943	0.0351935	0.652338	0.0358214
3.18473	1.20188	0.038266	0.615694	0.0382387	0.645687	0.0320862
3.27805	1.20438	0.0406414	0.621583	0.0295541	0.645814	0.0329423
3.1794	1.1977	0.0452878	0.621093	0.0400778	0.63877	0.0351166
3.2049	1.19896	0.0412365	0.612823	0.031728	0.638136	0.0407829
3.15581	1.2016	0.0433144	0.614414	0.0375489	0.649966	0.0302774
2.92544	1.19239	0.0420737	0.606068	0.0338892	0.640013	0.0346894
2.81208	1.18456	0.0387743	0.615071	0.0338894	0.62722	0.0347962
2.62761	1.18989	0.0387616	0.60626	0.0335584	0.636043	0.0233067
2.42302	1.18603	0.0414131	0.605911	0.0358204	0.635739	0.0424043
2.20952	1.18289	0.0399852	0.608238	0.0375094	0.627804	0.0275227
2.06231	1.18746	0.0394933	0.604042	0.0369318	0.608782	0.0269517
1.70888	1.18411	0.0347292	0.600434	0.0302122	0.613611	0.0269963
1.55105	1.18499	0.0350125	0.600592	0.0424811	0.610043	0.0363631
1.32821	1.18179	0.0376538	0.598649	0.0296819	0.60587	0.0358204
1.13807	1.18205	0.0403792	0.586968	0.0266326	0.596864	0.0221463
0.983309	1.17823	0.0416415	0.6007	0.0302499	0.596658	0.0335061
0.815623	1.17295	0.0428417	0.601306	0.0373753	0.588801	0.0290933
0.737745	1.16431	0.0408649	0.585992	0.0377624	0.591407	0.0354479
0.568641	1.15245	0.0398811	0.597308	0.0292843	0.589551	0.0369605
0.458828	1.14778	0.0367321	0.59298	0.0343232	0.589792	0.0229101
0.3762	1.14771	0.0402464	0.59546	0.0287628	0.594297	0.0333934
0.295295	1.14143	0.0390267	0.586606	0.0308155	0.577949	0.026002
0.251799	1.14904	0.0454263	0.588334	0.0332392	0.584366	0.037819
0.218094	1.14721	0.047414	0.58236	0.0276027	0.573505	0.0282392
0.169754	1.13532	0.0437373	0.575531	0.0245452	0.573374	0.0279674
0.130181	1.13318	0.0474821	0.579485	0.0274258	0.567476	0.0300739
0.144582	1.13011	0.0371114	0.584674	0.037816	0.568268	0.03263
0.109767	1.12587	0.0425994	0.57808	0.0386217	0.569458	0.0260791
0.0917397	1.12134	0.041478	0.57527	0.0334841	0.567356	0.0242645
0.0849886	1.12323	0.0388567	0.569083	0.0271563	0.567197	0.0278374
0.0962389	1.11955	0.0342347	0.568567	0.0321331	0.568997	0.0255178
0.0976248	1.10813	0.0374481	0.571145	0.0418494	0.560981	0.0322487
0.0667772	1.10662	0.0398175	0.568055	0.0306499	0.564754	0.0271755
0.0793177	1.10932	0.0379554	0.565448	0.0302939	0.564424	0.0267492
0.0932561	1.11169	0.0327562	0.562594	0.0307871	0.551263	0.0351726
0.0847462	1.11206	0.0368962	0.562348	0.0268158	0.562397	0.0304819
0.0808763	1.10958	0.0355342	0.560285	0.027625	0.562745	0.0268183
0.0972219	1.10407	0.033239	0.561679	0.0358705	0.567264	0.0272288
0.0730407	1.10054	0.0385399	0.560585	0.0209071	0.561813	0.0243766
0.0943243	1.09297	0.0427998	0.561157	0.0311355	0.561021	0.0254645
0.0894272	1.09562	0.0425609	0.554678	0.035197	0.554965	0.0245457
0.0748405	1.09804	0.0437915	0.563027	0.0318454	0.56858	0.0321969
0.0810419	1.09429	0.0409617	0.555545	0.0252018	0.56722	0.0212145

0.0886521	1.09041	0.035411	0.561254	0.0273942	0.581944	0.0278186
0.1251	1.09362	0.0340454	0.559634	0.0290692	0.59107	0.0289373
0.119815	1.09859	0.0456682	0.565122	0.0245927	0.593245	0.0372034
0.142889	1.0939	0.0464831	0.575789	0.0344069	0.608365	0.0313305
0.189147	1.08507	0.0384128	0.57068	0.0285438	0.618517	0.0361685
0.18405	1.08552	0.0321804	0.566301	0.0375976	0.619547	0.0320458
0.17315	1.09018	0.0410703	0.57592	0.0319609	0.650298	0.0309435
0.254773	1.09175	0.0460985	0.57747	0.0296528	0.66052	0.0365374
0.254246	1.09243	0.0424833	0.568147	0.023575	0.663748	0.0330116
0.301366	1.09582	0.0425474	0.578589	0.0310268	0.682468	0.0331501
0.354547	1.09666	0.0413641	0.583165	0.032244	0.690537	0.0363073
0.40947	1.09994	0.0409002	0.589926	0.029986	0.703173	0.0393528
0.425118	1.0998	0.0472461	0.591497	0.0315321	0.71835	0.0286891
0.497074	1.09428	0.0410081	0.595081	0.0376407	0.728671	0.0283762
0.508554	1.0834	0.0400868	0.599664	0.0279214	0.727396	0.0305934
0.589033	1.08354	0.0466132	0.592441	0.0291183	0.738715	0.0352586
0.6463	1.08885	0.047766	0.601189	0.0317899	0.73387	0.027196
0.679752	1.08136	0.0445354	0.603122	0.0302052	0.748683	0.0306015
0.739567	1.0754	0.0397121	0.60104	0.0291126	0.738722	0.0426365
0.784587	1.06367	0.0407103	0.603086	0.033343	0.741363	0.0389861
0.822	1.07028	0.0426148	0.601036	0.0321403	0.72634	0.0395776
0.859581	1.06924	0.0398985	0.585429	0.0313096	0.713327	0.036719
0.856775	1.06153	0.0385777	0.58271	0.0328563	0.698326	0.0322881
0.891109	1.05494	0.0348802	0.5849	0.0283292	0.689774	0.0380274
0.896958	1.04964	0.0384269	0.576596	0.0333576	0.67875	0.0413512
0.884145	1.04544	0.0346073	0.572757	0.0335762	0.669127	0.0297553
0.828954	1.04268	0.0327783	0.568982	0.0310892	0.656739	0.023745
0.827294	1.0379	0.033478	0.563003	0.0281782	0.632083	0.0335872
0.785922	1.03699	0.0308571	0.563215	0.0261628	0.622463	0.0260879
0.775906	1.03101	0.0275941	0.552125	0.0273525	0.612715	0.0342167
0.691692	1.02365	0.0334749	0.545786	0.0328932	0.602831	0.0282029
0.630661	1.02108	0.0382108	0.541412	0.0260563	0.58583	0.024058
0.565208	1.02505	0.0424249	0.542036	0.0267737	0.574448	0.0330356
0.546689	1.021	0.0369895	0.539039	0.0306272	0.572475	0.0365318
0.4416	1.01809	0.0320007	0.540047	0.0322354	0.553166	0.0274394
0.425172	1.02446	0.0334486	0.533162	0.0270018	0.545719	0.0341688
0.368043	1.02003	0.0371281	0.519094	0.0285073	0.534192	0.0309347
0.324495	1.01101	0.032105	0.529307	0.0320441	0.531175	0.0273708
0.262367	1.00743	0.0314257	0.528213	0.0305746	0.532945	0.0237351
0.204157	1.00376	0.0343616	0.523665	0.0287829	0.519223	0.0287663
0.192404	1.00383	0.0391575	0.522634	0.029289	0.521777	0.0276957
0.198821	1.00416	0.0410451	0.517844	0.0293813	0.518049	0.0297293
0.146839	0.999259	0.0382439	0.519167	0.0285114	0.525199	0.029378
0.129758	1.00184	0.0307479	0.524983	0.0261598	0.521158	0.0336887
0.119906	1.00225	0.0322748	0.522673	0.0248386	0.512147	0.0333258
0.0950385	1.00283	0.0331524	0.513186	0.0331692	0.522159	0.0293272
0.0936402	0.997656	0.030806	0.511912	0.0275873	0.50957	0.0336619

0.0777605	0.995641	0.0248131	0.507538	0.0314702	0.510631	0.0306905
0.0868432	1.00018	0.0274932	0.506082	0.0331467	0.517521	0.0280041
0.0673065	1.00103	0.0285663	0.513611	0.0284657	0.518715	0.0227337
0.0839607	0.994646	0.0337611	0.508998	0.0303382	0.513087	0.0225682
0.0576869	0.989575	0.0268119	0.510376	0.0254544	0.500917	0.0311938
0.0557535	0.994026	0.0292375	0.508439	0.0308078	0.511113	0.0306995
0.0669254	0.986697	0.0312665	0.511828	0.0257597	0.509965	0.0238229
0.0534328	0.985704	0.0378245	0.502898	0.0306536	0.500635	0.0256
0.0574546	0.986157	0.0369664	0.498732	0.0275059	0.507395	0.0352704
0.06157	0.985242	0.0355686	0.511228	0.0283829	0.499903	0.0237093
0.0618464	0.986021	0.0314934	0.500227	0.0240717	0.498078	0.0220636
0.0669563	0.984	0.0292699	0.502894	0.0269589	0.50103	0.0341259
0.0550048	0.983025	0.0302248	0.504987	0.0344568	0.492419	0.0321105
0.0623739	0.97959	0.0342939	0.49372	0.0258949	0.498776	0.020413
0.0594516	0.989415	0.0348635	0.501125	0.0299033	0.500619	0.0264417
0.0656972	0.985847	0.0339773	0.504234	0.026278	0.501326	0.0238557
0.0807908	0.97992	0.0308538	0.507019	0.0251673	0.49496	0.0247089
0.0745334	0.985873	0.0341175	0.495599	0.0321173	0.498029	0.0255838
0.0605111	0.985581	0.0282959	0.49852	0.0267587	0.502293	0.0262693
0.0736016	0.985735	0.0296775	0.500766	0.0283596	0.502263	0.0273452
0.0610092	0.995959	0.0314054	0.498589	0.0316555	0.509547	0.0288777
0.0596503	1.00212	0.0293362	0.506157	0.0241281	0.49874	0.0289097
0.0690135	1.01507	0.0357827	0.506052	0.0277745	0.496133	0.0292669
0.0754769	1.03533	0.0288714	0.51268	0.0285148	0.499395	0.0275495
0.0585721	1.03935	0.0350804	0.509427	0.0247627	0.510475	0.0297807
0.0789442	1.05267	0.036399	0.517518	0.0266684	0.508793	0.0252758
0.0791659	1.0735	0.0386439	0.513086	0.0252351	0.513902	0.0204485
0.0659972	1.09941	0.0370176	0.523538	0.0265218	0.521085	0.0347628
0.0815162	1.11994	0.040708	0.537775	0.0251959	0.528297	0.0227271
0.0758593	1.15043	0.0463005	0.548344	0.025859	0.526328	0.0237673
0.0755625	1.177	0.0367798	0.560166	0.0243233	0.547126	0.0307846
0.0812186	1.21044	0.0388332	0.574344	0.029582	0.547777	0.0300401
0.0747864	1.2479	0.0394834	0.587802	0.0308331	0.569014	0.0342412
0.108779	1.27617	0.0433167	0.602877	0.0322254	0.580434	0.0305591
0.100156	1.30305	0.0483299	0.619771	0.0355966	0.59682	0.0337179
0.112132	1.33558	0.0497461	0.64098	0.0359484	0.601878	0.0323842
0.117632	1.35695	0.0557929	0.665854	0.0340825	0.624447	0.0399849
0.132728	1.38296	0.0552849	0.693647	0.0444446	0.635083	0.0280732
0.12888	1.40543	0.0590002	0.714338	0.0350941	0.660092	0.036398
0.153683	1.42928	0.0590506	0.746032	0.0444739	0.668935	0.038271
0.12878	1.43847	0.062565	0.756033	0.04026	0.678959	0.0380035
0.131847	1.44415	0.0612564	0.786891	0.0496505	0.702156	0.0384283
0.132497	1.4448	0.0663833	0.805832	0.0480736	0.710537	0.0456257
0.161418	1.43298	0.0709873	0.817973	0.0330012	0.726272	0.0357718
0.13577	1.42346	0.0647483	0.823334	0.0420481	0.731921	0.0483982
0.149659	1.40159	0.0575754	0.844574	0.0444265	0.734734	0.0389093
0.141784	1.38089	0.0555056	0.849158	0.0538167	0.727876	0.0345122

0.131101	1.35566	0.0553103	0.84465	0.0457149	0.730547	0.0462722
0.122191	1.31954	0.053833	0.847461	0.0470761	0.726661	0.0342682
0.137941	1.28145	0.0551468	0.839858	0.0438848	0.709411	0.0393938
0.134816	1.2427	0.0524113	0.823188	0.0488769	0.705479	0.0375913
0.154089	1.2091	0.0463008	0.814578	0.0520033	0.69312	0.0385905
0.129251	1.17891	0.0434291	0.792843	0.040854	0.686248	0.0389527
0.105734	1.14885	0.0347058	0.765612	0.0420046	0.657828	0.0355056
0.114535	1.09424	0.0401009	0.747202	0.0418846	0.642468	0.0334102
0.110393	1.05661	0.0381485	0.71959	0.0422306	0.616448	0.035555
0.0856758	1.03515	0.0331474	0.699745	0.0351849	0.613105	0.0355483
0.0961957	1.01895	0.0269604	0.666268	0.0278828	0.583526	0.0373329
0.0945416	0.989303	0.0314493	0.64715	0.0343187	0.567516	0.0276147
0.0664684	0.956434	0.0331016	0.620265	0.0390466	0.551923	0.0357574
0.0845601	0.946384	0.0300704	0.590936	0.0301783	0.539808	0.0241573
0.0646871	0.925975	0.0281772	0.564204	0.0355494	0.517163	0.0287582
0.0654316	0.917137	0.0311034	0.549923	0.0262974	0.512381	0.0291403
0.0630177	0.902863	0.0322811	0.534135	0.0263536	0.502427	0.0242057
0.0629234	0.890641	0.0286527	0.524515	0.0213768	0.492158	0.028645
0.0609184	0.878122	0.0287167	0.507819	0.0274654	0.472716	0.0226257
0.0532949	0.876492	0.0272135	0.495379	0.0233792	0.470441	0.0268364
0.0556345	0.877079	0.0250134	0.483165	0.027791	0.46301	0.0244757
0.0487454	0.870332	0.0280173	0.476948	0.0272756	0.45858	0.0216473
0.0627396	0.86488	0.0306825	0.469131	0.0289171	0.45979	0.0249595
0.0479176	0.860683	0.0325882	0.466403	0.0233735	0.450767	0.0273768
0.0588351	0.864316	0.031565	0.455597	0.0166257	0.447924	0.0308231
0.056295	0.855877	0.0265924	0.455665	0.0277762	0.445027	0.0213628
0.0500858	0.840883	0.0266218	0.449565	0.0263953	0.440817	0.0241374
0.0563991	0.846881	0.0298911	0.452392	0.019406	0.441068	0.0250988
0.047789	0.844805	0.0302588	0.447492	0.0231088	0.429166	0.0272465
0.0508902	0.839044	0.0318025	0.452697	0.0291124	0.442328	0.021821
0.0492149	0.835386	0.0287696	0.433888	0.0250138	0.438667	0.0266548
0.0560203	0.835678	0.0243192	0.442506	0.0224293	0.438416	0.0188464
0.0681233	0.827435	0.0244899	0.437472	0.0200283	0.438193	0.0257513
0.0635961	0.824146	0.02689	0.436375	0.0278457	0.429288	0.0218017
0.0624461	0.825567	0.0238017	0.440658	0.0259922	0.431649	0.0283204
0.0521204	0.826646	0.0273617	0.434044	0.0240818	0.429854	0.0227922
0.0637521	0.824646	0.0277782	0.431192	0.0224394	0.426282	0.0257832
0.054732	0.816918	0.0281824	0.427055	0.0208279	0.420004	0.0249756
0.060663	0.811372	0.0306241	0.434	0.0171725	0.419686	0.0278194
0.0543202	0.812777	0.026341	0.429447	0.0190491	0.422033	0.0250487
0.0481495	0.812797	0.0286626	0.426129	0.0193778	0.42269	0.0242191
0.0475975	0.81037	0.03043	0.428854	0.0244361	0.419975	0.0230774
0.0571003	0.807278	0.0250027	0.429965	0.0326343	0.417403	0.0208025
0.0519781	0.807162	0.0301895	0.429104	0.022067	0.42036	0.0229904
0.045744	0.805998	0.0297676	0.425639	0.0192912	0.427794	0.0191488
0.0381278	0.800611	0.0291384	0.41818	0.0231802	0.418376	0.0252245
0.0472112	0.798446	0.0272907	0.425943	0.0228411	0.411109	0.0188679

0.0585236	0.799559	0.0252802	0.416174	0.0276892	0.420487	0.0289776
0.0525688	0.79406	0.0223841	0.425549	0.020934	0.40255	0.0242846
0.0520464	0.793785	0.0223561	0.420998	0.0209242	0.412752	0.0213645
0.0466211	0.793083	0.0242945	0.414535	0.0235736	0.401182	0.0186313
0.051882	0.790297	0.0271956	0.418547	0.0229766	0.4127	0.0246903
0.0426328	0.784639	0.0286496	0.414075	0.0255316	0.406895	0.025058
0.0501727	0.781718	0.0250923	0.417973	0.0197513	0.406731	0.0220611
0.0460051	0.782267	0.0252504	0.408558	0.0266879	0.411543	0.0211635
0.0479068	0.778265	0.0304413	0.415969	0.0227603	0.41771	0.0268133
0.0478654	0.773204	0.0204881	0.404638	0.0195327	0.412348	0.0216291
0.0497992	0.775517	0.0212796	0.409613	0.0256083	0.41648	0.0264609
0.0444827	0.774037	0.0271788	0.412966	0.0229141	0.411026	0.0217219
0.0466107	0.771369	0.0311748	0.41488	0.0218931	0.410093	0.0203103
0.0517436	0.769335	0.0242462	0.403637	0.0194502	0.408929	0.0266093
0.0426326	0.766253	0.0288659	0.409942	0.027525	0.417264	0.0234312
0.0481029	0.765391	0.0350609	0.412239	0.0270171	0.422269	0.0251257
0.0551079	0.763987	0.0276808	0.406511	0.0274668	0.416145	0.021439
0.0546802	0.767928	0.0229508	0.409568	0.0197776	0.419414	0.0270722
0.0496825	0.766906	0.0255323	0.405215	0.0255399	0.421315	0.0207054
0.0495973	0.763863	0.0249923	0.414932	0.0203115	0.425453	0.0247
0.0380337	0.767488	0.0214457	0.409172	0.0205701	0.425839	0.022281
0.0493943	0.759622	0.0214398	0.405054	0.0235398	0.427853	0.0237939
0.0500854	0.761974	0.0172957	0.40667	0.0225893	0.428895	0.0289793
0.0501358	0.754699	0.0208951	0.414075	0.0214057	0.438935	0.0268533
0.0429537	0.759601	0.0225604	0.413302	0.0261318	0.436167	0.0294979
0.0396657	0.760155	0.024064	0.410504	0.0204087	0.446774	0.0231608
0.0425759	0.751605	0.0280242	0.414179	0.0160888	0.453986	0.0263629
0.0558062	0.755217	0.0308293	0.408594	0.0222962	0.450267	0.0269307
0.0440352	0.754813	0.0269256	0.410436	0.0238468	0.461518	0.0274097
0.0434042	0.747365	0.0299256	0.410557	0.0256391	0.451931	0.0244708
0.049587	0.745734	0.0243574	0.415566	0.0243846	0.464478	0.0248163
0.0508302	0.736656	0.0246841	0.416518	0.0245228	0.456758	0.0298259
0.0526076	0.737246	0.0307926	0.415878	0.0244511	0.456323	0.0236086
0.0447252	0.739708	0.0289651	0.413791	0.0252899	0.451664	0.0313497
0.0468624	0.740267	0.0280587	0.401214	0.026158	0.458756	0.0275176
0.0477446	0.732437	0.02851	0.409297	0.0145159	0.447736	0.0221352
0.0396583	0.724488	0.0290959	0.407344	0.0223179	0.443875	0.0281479
0.0321133	0.730549	0.0267629	0.400575	0.020534	0.442666	0.0247246
0.0497316	0.730013	0.0244461	0.400748	0.0292758	0.43308	0.0321437
0.0510215	0.732742	0.0278276	0.399314	0.0166532	0.427346	0.0309577
0.0465795	0.722781	0.0267416	0.401081	0.0253415	0.422558	0.0242924
0.0423502	0.719619	0.0229066	0.394278	0.0220089	0.425	0.0285972
0.0539785	0.715668	0.0262214	0.395829	0.0262688	0.417226	0.0255041
0.0423958	0.715107	0.0293698	0.385969	0.0224635	0.406818	0.0257446
0.0670519	0.712548	0.0249735	0.389074	0.0249674	0.399683	0.0215209
0.0432747	0.710616	0.0169691	0.382327	0.0206576	0.397186	0.0237525
0.0572399	0.704753	0.0292499	0.385885	0.0192884	0.386924	0.0256159

0.0600781	0.695981	0.0271685	0.373345	0.0162088	0.380427	0.019958
0.037758	0.692845	0.0232895	0.373387	0.0203095	0.380548	0.0292195
0.0530108	0.692121	0.0213035	0.38155	0.0269735	0.378579	0.0252618
0.0467394	0.689781	0.0283921	0.380379	0.0170963	0.377401	0.0236705
0.0448662	0.686648	0.0281109	0.369529	0.0189686	0.373727	0.0264051
0.0473737	0.685629	0.0263065	0.366321	0.0247872	0.372295	0.0235615
0.0586769	0.68352	0.0256219	0.362965	0.0190437	0.358029	0.0195621
0.0486992	0.683685	0.0257512	0.3662	0.0210297	0.363197	0.0240371
0.038133	0.67838	0.0250555	0.364216	0.0172361	0.366463	0.0209879
0.0452548	0.681411	0.0227036	0.35796	0.0130407	0.357891	0.0218827
0.0451016	0.673937	0.0215311	0.358705	0.0144574	0.355772	0.0238566
0.0474529	0.672542	0.0217196	0.368693	0.0185423	0.35376	0.0225251
0.0407141	0.671245	0.0196844	0.361625	0.0158067	0.347441	0.0205858
0.0428905	0.676854	0.0226516	0.353863	0.0207267	0.356192	0.0189762
0.0455852	0.667599	0.0264728	0.355378	0.0213734	0.354444	0.0202569
0.0376696	0.67301	0.0273741	0.354422	0.0216122	0.348959	0.0257788
0.039481	0.670157	0.0237428	0.353786	0.0177418	0.355766	0.0197548
0.0439456	0.661641	0.0238591	0.354316	0.0183332	0.346011	0.0207166
0.0411927	0.658701	0.0188929	0.350008	0.0159219	0.350062	0.022082
0.0462417	0.659992	0.0261251	0.350929	0.0148095	0.34856	0.0193733
0.056527	0.660849	0.0198343	0.346138	0.0190564	0.342703	0.0240187
0.0340806	0.661062	0.0222908	0.35145	0.019411	0.345008	0.0205929
0.0497663	0.654721	0.0212547	0.343284	0.0154633	0.340916	0.0220572
0.0391072	0.659094	0.0197492	0.344713	0.0206748	0.340908	0.0219941
0.043448	0.656345	0.0222248	0.346898	0.019487	0.344208	0.0264802
0.0349256	0.653124	0.0212379	0.339777	0.0200909	0.331576	0.0190112
0.0381083	0.644772	0.0285652	0.342723	0.0209833	0.332668	0.0184463
0.0444462	0.644196	0.0209477	0.337164	0.0187544	0.340051	0.0232909
0.0375173	0.646986	0.0236757	0.342121	0.017516	0.334679	0.0175857
0.0353466	0.65278	0.0252559	0.340733	0.014122	0.336133	0.0234568
0.0513267	0.641094	0.0217831	0.337174	0.0232763	0.337137	0.026862
0.0379722	0.638855	0.022666	0.340955	0.0275116	0.337196	0.0195013
0.0502899	0.640201	0.0218142	0.335805	0.0219982	0.331789	0.019015
0.0441164	0.640256	0.0227464	0.340434	0.0214446	0.336536	0.0207594
0.0445084	0.647253	0.0237528	0.336574	0.0231635	0.334589	0.023015
0.0513135	0.642715	0.0270494	0.340623	0.0174381	0.329531	0.0229888
0.0394538	0.648174	0.0197681	0.340641	0.0197299	0.339213	0.0219334
0.0494087	0.64538	0.0219327	0.340812	0.0171191	0.342088	0.0203416
0.0422088	0.645536	0.0253367	0.341921	0.0182839	0.338069	0.0176739
0.052899	0.644112	0.0232682	0.340677	0.0230709	0.345479	0.0214831
0.0404605	0.645435	0.0190802	0.338562	0.019938	0.346402	0.0247856
0.0424381	0.650987	0.0256138	0.336275	0.0186467	0.353182	0.0245818
0.0431262	0.660208	0.0284975	0.338627	0.0171146	0.364503	0.0247813
0.0418752	0.6576	0.0265624	0.343672	0.0197344	0.369209	0.0322257
0.0469988	0.660765	0.0217493	0.347242	0.0193345	0.38537	0.030603
0.0366562	0.663251	0.0188219	0.346609	0.0232601	0.391893	0.0348606
0.0437251	0.676303	0.02516	0.348854	0.0214186	0.397409	0.0281381

0.0449088	0.677483	0.0243285	0.356654	0.0156115	0.415237	0.0356679
0.0499905	0.688757	0.0197285	0.365711	0.0181508	0.43848	0.0448374
0.0349152	0.699272	0.0170322	0.368957	0.0216061	0.457067	0.0418102
0.0564789	0.712325	0.0270482	0.370526	0.0196264	0.483391	0.0599672
0.0486349	0.727796	0.0296314	0.376651	0.0206413	0.49885	0.0571215
0.0485971	0.722466	0.0254026	0.395938	0.0251583	0.524004	0.0601528
0.0472588	0.73706	0.0231146	0.404614	0.0207165	0.557225	0.0687583
0.0524757	0.747916	0.0205102	0.411753	0.0239632	0.579563	0.0807572
0.0559703	0.762385	0.0256252	0.420148	0.0240425	0.606909	0.0877522
0.042621	0.77201	0.0260746	0.431654	0.0195671	0.635732	0.0952725
0.0549267	0.780269	0.0215486	0.44473	0.0211101	0.667017	0.0998635
0.0469485	0.791484	0.0318056	0.456858	0.0216308	0.705199	0.0944304
0.0442162	0.797776	0.0327868	0.480029	0.0221039	0.727811	0.127768
0.0508555	0.809909	0.027085	0.482453	0.0316144	0.749183	0.127622
0.0626759	0.813176	0.0290726	0.502075	0.0257446	0.769638	0.124448
0.0550165	0.811581	0.0308201	0.508342	0.0248248	0.795617	0.135094
0.0532766	0.812008	0.029293	0.509957	0.0285781	0.814163	0.141253
0.0613202	0.815067	0.0228122	0.511584	0.0254675	0.830501	0.134367
0.0508464	0.818117	0.0259702	0.53078	0.0321322	0.823038	0.146021
0.0707803	0.798804	0.026084	0.531086	0.0311215	0.833574	0.14123
0.0537283	0.794804	0.02633	0.538802	0.0394089	0.834374	0.135727
0.0651188	0.792224	0.0228581	0.540488	0.0325965	0.810286	0.135173
0.057123	0.775008	0.0303802	0.538413	0.028645	0.807028	0.135549
0.0607703	0.767637	0.0223655	0.532334	0.0369477	0.771113	0.126266
0.071286	0.755825	0.0180923	0.526797	0.0240686	0.769833	0.113973
0.0576698	0.747913	0.0217213	0.525714	0.0295341	0.737492	0.123207
0.0606999	0.727245	0.02121	0.51483	0.0302727	0.71335	0.113353
0.0642087	0.705739	0.02423	0.503305	0.0284523	0.679338	0.0974304
0.0527581	0.692136	0.0253577	0.503775	0.0293333	0.642653	0.085624
0.0557089	0.687588	0.0264523	0.481711	0.0285453	0.612507	0.0894132
0.0589636	0.673245	0.0193362	0.468009	0.0268178	0.583644	0.0741484
0.0530875	0.658519	0.0220925	0.451696	0.0294765	0.542476	0.0673739
0.0583146	0.647089	0.0217116	0.43574	0.0230254	0.513141	0.0635922
0.0620079	0.637638	0.014804	0.421981	0.0232822	0.48993	0.0476258
0.0533696	0.624485	0.0217441	0.413334	0.0178441	0.462913	0.0519121
0.0540233	0.616813	0.0214898	0.397397	0.0243879	0.435431	0.0379729
0.04195	0.602195	0.0186244	0.389743	0.0181314	0.405328	0.0302479
0.0392748	0.593813	0.0187413	0.36742	0.0169124	0.388454	0.0347714
0.0410138	0.588403	0.0214799	0.357884	0.0222937	0.37357	0.0356044
0.0402857	0.590264	0.0232297	0.353341	0.0178316	0.365094	0.0264946
0.0382588	0.587836	0.0290248	0.340797	0.0173109	0.351892	0.024761
0.0411116	0.574135	0.0223212	0.338911	0.0167027	0.333162	0.0200853
0.046213	0.570394	0.0179717	0.331315	0.0208092	0.323021	0.0213067
0.040953	0.571483	0.0293355	0.326713	0.0211033	0.320284	0.0267759
0.0341542	0.572715	0.0252861	0.319795	0.0187405	0.320408	0.0260058
0.036261	0.561584	0.0204817	0.32	0.022593	0.305116	0.0220761
0.0418148	0.557058	0.0253809	0.309518	0.0194989	0.304268	0.0227584

0.0448648	0.557769	0.02605	0.310902	0.0141982	0.300295	0.0147141
0.0419151	0.555902	0.0165157	0.312904	0.0156141	0.302312	0.019235
0.0404016	0.558905	0.0244151	0.304847	0.0182399	0.299267	0.0240413
0.0399947	0.547085	0.0223886	0.30958	0.0160625	0.300842	0.0214179
0.0352383	0.556616	0.0167739	0.297802	0.0157153	0.298879	0.0151275
0.0444747	0.549672	0.02116	0.304247	0.019214	0.294814	0.0203473
0.0384344	0.543581	0.0204405	0.308084	0.0161646	0.290172	0.0241629
0.0355205	0.538018	0.0247455	0.299853	0.021649	0.295095	0.0187486
0.0395421	0.536289	0.0218367	0.291377	0.015218	0.29595	0.0178175
0.0357673	0.544097	0.0216103	0.297038	0.0173939	0.29236	0.0204468
0.0469588	0.534984	0.0180879	0.298412	0.0198015	0.293354	0.0185378
0.0432845	0.536754	0.0230375	0.296714	0.0172905	0.28703	0.0205477
0.0486171	0.53656	0.021383	0.288338	0.0196591	0.289979	0.0186529
0.0386798	0.528944	0.0218459	0.288332	0.0134976	0.285249	0.0205026
0.0431221	0.528747	0.029477	0.293629	0.0176751	0.288418	0.020304
0.0459433	0.531676	0.0214465	0.287515	0.0185891	0.282906	0.0230515
0.0368743	0.520433	0.0183491	0.285997	0.0187387	0.286876	0.0192381
0.0380321	0.532344	0.0212389	0.290984	0.0180403	0.279697	0.016542
0.0365383	0.520787	0.0217893	0.287692	0.0182862	0.2831	0.0163838
0.0383428	0.525189	0.0202209	0.283285	0.0140184	0.274744	0.0178223
0.0294809	0.515541	0.022715	0.286854	0.0208952	0.278566	0.022182
0.0419079	0.521614	0.020392	0.2843	0.012345	0.283437	0.0209458
0.039431	0.511983	0.0204906	0.282969	0.0131457	0.273953	0.0168841
0.0420719	0.504531	0.0225559	0.284537	0.0233943	0.276833	0.0155869
0.039911	0.507283	0.0259529	0.278227	0.0144627	0.276987	0.0205825
0.0354551	0.514708	0.0198623	0.277837	0.0131031	0.273524	0.0190459
0.0381465	0.50871	0.0225048	0.276856	0.0177332	0.275546	0.0209097
0.0341122	0.50433	0.0229726	0.273921	0.015517	0.275223	0.0201422
0.0440397	0.503455	0.0233934	0.272743	0.0180769	0.270936	0.0189398
0.0350447	0.511267	0.0219668	0.276356	0.0168305	0.275417	0.0206982
0.0404944	0.51034	0.0213928	0.26727	0.0154132	0.274247	0.0178481
0.0443656	0.508658	0.0222969	0.268205	0.0164777	0.269555	0.0213876
0.0359424	0.49691	0.0216432	0.27318	0.0144613	0.271647	0.0146854
0.0281955	0.497804	0.0224531	0.276225	0.017228	0.274439	0.0190167
0.0338622	0.498626	0.0215172	0.271548	0.0144541	0.270423	0.0207952
0.0365744	0.49779	0.0249147	0.269326	0.0147475	0.269207	0.0177413
0.0206119	0.500024	0.0242046	0.268599	0.0166966	0.268105	0.0179647
0.0312019	0.496932	0.0169653	0.268487	0.0147575	0.270618	0.0163692
0.0438715	0.49261	0.0198098	0.270028	0.0181813	0.26529	0.0201737
0.0394494	0.489863	0.0222472	0.268349	0.0157069	0.277597	0.016808
0.0377763	0.48683	0.0270252	0.264748	0.0176709	0.268625	0.0183295
0.0346687	0.490114	0.0227698	0.271276	0.0163439	0.273049	0.0209648
0.0391935	0.49612	0.0183822	0.26672	0.0144621	0.269919	0.0184228
0.0496102	0.489784	0.020022	0.272499	0.016983	0.272763	0.0192906
0.0356873	0.485948	0.0243208	0.272982	0.0196362	0.269692	0.0173109
0.0415323	0.492964	0.0245783	0.26959	0.017414	0.280325	0.0263023
0.0360291	0.477085	0.0221343	0.258469	0.0194164	0.286673	0.0207159

0.0399994	0.482793	0.0179749	0.257018	0.0145516	0.271959	0.0167625
0.0382244	0.477815	0.0207709	0.267558	0.0194075	0.271413	0.0231129
0.0318982	0.476233	0.0261687	0.261895	0.0116931	0.278919	0.017669
0.0372994	0.481425	0.020569	0.266175	0.0131232	0.276942	0.01909
0.0379482	0.480211	0.0203949	0.261854	0.0174585	0.281627	0.0171868
0.0403691	0.481538	0.0190014	0.270081	0.0163304	0.279327	0.0200482
0.0336139	0.479563	0.019813	0.263765	0.0168103	0.277725	0.018891
0.034002	0.472193	0.0174757	0.270792	0.0182967	0.281172	0.0182884
0.0325003	0.475423	0.0262877	0.258205	0.0173405	0.278743	0.018992
0.0324401	0.474708	0.0201931	0.263103	0.0163969	0.278186	0.0176481
0.0349006	0.473325	0.0231739	0.264415	0.0136093	0.279324	0.0183133
0.0392216	0.474827	0.0157827	0.257946	0.0139462	0.278761	0.0227503
0.0318716	0.468484	0.0219865	0.260655	0.0176079	0.277522	0.0221045
0.0453572	0.473354	0.0239037	0.265357	0.0122671	0.276146	0.0186435
0.0344242	0.470872	0.0170311	0.261012	0.0150994	0.280223	0.0189235
0.0345738	0.467145	0.0240564	0.258438	0.0153863	0.283218	0.0155841
0.0366106	0.471403	0.0227685	0.265287	0.0173219	0.268833	0.0186138
0.0290035	0.465356	0.0167021	0.262326	0.0155179	0.270531	0.0218325
0.0355494	0.454191	0.0190121	0.255187	0.0137097	0.262899	0.0183797
0.0434815	0.461317	0.0176881	0.257661	0.0183184	0.265688	0.0177869
0.0363845	0.459885	0.0181255	0.265961	0.0156811	0.260898	0.0145303
0.0347338	0.45815	0.020304	0.260703	0.0187557	0.270649	0.0192393
0.0389378	0.462774	0.0240838	0.257313	0.0132644	0.270725	0.0220085
0.0327146	0.46286	0.0170108	0.258223	0.0161087	0.259827	0.0187211
0.0360397	0.459155	0.0191234	0.256421	0.018986	0.261021	0.016711
0.0408513	0.454208	0.0150299	0.253605	0.015782	0.261881	0.0169508
0.0491888	0.447552	0.0199944	0.255981	0.0154621	0.260825	0.0207438
0.0349903	0.452745	0.0218852	0.25401	0.0158756	0.259459	0.0245501
0.0390549	0.450426	0.0218848	0.254488	0.0101616	0.256774	0.0175321
0.0346003	0.447074	0.0151857	0.258077	0.0120771	0.262632	0.018387
0.0436333	0.451604	0.0154663	0.249205	0.016532	0.254295	0.01697
0.0324173	0.447869	0.0221176	0.25264	0.0147766	0.249357	0.0153469
0.036047	0.445657	0.0168379	0.248768	0.0157841	0.253934	0.019646
0.0439519	0.443887	0.0197189	0.248142	0.0175681	0.249508	0.0138252
0.0363799	0.449644	0.0183612	0.254785	0.0149886	0.247946	0.0158805
0.0338196	0.445566	0.0208859	0.247596	0.017711	0.251211	0.0206203
0.0314052	0.439542	0.0166092	0.246462	0.00994866	0.242652	0.0182082
0.0438828	0.446119	0.0208477	0.246378	0.0129158	0.245739	0.0169437
0.0342599	0.436403	0.0172917	0.246179	0.0164997	0.243385	0.0167754
0.0342557	0.442726	0.0220037	0.251691	0.0192403	0.245278	0.0159876
0.0425152	0.439183	0.0200439	0.245721	0.0145341	0.246308	0.0155484
0.0285654	0.440211	0.0135956	0.245767	0.0146846	0.243722	0.0182558
0.0355198	0.435953	0.0146302	0.248512	0.0177029	0.251354	0.017443
0.0351915	0.441405	0.0158365	0.250501	0.0149875	0.245208	0.0198635
0.0270796	0.436094	0.0189741	0.248537	0.0143796	0.241318	0.0195417
0.0455328	0.435273	0.0168509	0.24368	0.014441	0.246712	0.0164668
0.0389961	0.432771	0.0174915	0.248786	0.0129048	0.239188	0.0220268

0.0416297	0.433166	0.0179146	0.240254	0.0131614	0.243194	0.0157493
0.0373225	0.430728	0.0175184	0.245782	0.0152361	0.246277	0.0167773
0.0274715	0.429069	0.0195657	0.245068	0.0135705	0.252021	0.019115
0.0326819	0.437419	0.0193088	0.243448	0.0146671	0.242717	0.0201787
0.038475	0.428302	0.0200783	0.239429	0.0156483	0.240162	0.0170537
0.033838	0.427432	0.0179746	0.241428	0.0140709	0.239273	0.0124491
0.0386222	0.433987	0.0115112	0.236101	0.0137512	0.238551	0.0168564
0.0472658	0.429551	0.0174449	0.24119	0.0128769	0.240909	0.0177575
0.0298682	0.427399	0.0179721	0.244653	0.0193901	0.240026	0.0162068
0.0369498	0.424716	0.0166305	0.23566	0.017091	0.237969	0.0179128
0.0423897	0.423655	0.0172403	0.241492	0.0142742	0.241434	0.0184477
0.0346627	0.422788	0.0260153	0.24092	0.0160347	0.24213	0.0186156
0.0434039	0.426262	0.0194732	0.240367	0.0172558	0.2373	0.0147779
0.0316453	0.422864	0.0206504	0.235397	0.0145531	0.243111	0.020314
0.0313298	0.416766	0.013355	0.244711	0.0148191	0.241291	0.0168781
0.0397436	0.418768	0.0179042	0.233287	0.0140818	0.236018	0.0164308
0.0348478	0.424208	0.0124565	0.238637	0.0213324	0.235243	0.0178082
0.0322181	0.42154	0.0181256	0.241361	0.0224114	0.24453	0.0157426
0.0336155	0.419797	0.0171931	0.240081	0.0185817	0.236114	0.0245502
0.0338597	0.414411	0.0122228	0.236947	0.0177449	0.235501	0.0179089
0.0427373	0.416822	0.0142669	0.241412	0.0149486	0.234452	0.0194229
0.033264	0.422664	0.0174152	0.240442	0.0155749	0.237748	0.0190739
0.0344603	0.416331	0.0194614	0.238081	0.0168544	0.235255	0.0169395
0.0394936	0.419402	0.0189437	0.236341	0.0160139	0.23881	0.0175817
0.0385123	0.417415	0.0191749	0.239817	0.014286	0.237645	0.0179959
0.0359626	0.412125	0.0152211	0.233679	0.0115277	0.235661	0.0160781
0.0313752	0.419755	0.0160282	0.235001	0.0131759	0.243434	0.0232771
0.0297175	0.421599	0.0189616	0.237909	0.0197348	0.231824	0.0174158
0.0315153	0.42267	0.0223296	0.243036	0.0159872	0.236164	0.0181435
0.0352495	0.416733	0.0175163	0.235882	0.0165001	0.240946	0.0187893
0.0433127	0.416327	0.0177315	0.235454	0.0114623	0.239167	0.017945
0.0354092	0.417398	0.0193892	0.236777	0.0132609	0.241086	0.0180503
0.0270859	0.423137	0.0140097	0.238967	0.0107688	0.244887	0.0196256
0.0367421	0.416384	0.0139708	0.24475	0.0156334	0.241105	0.0188978
0.0346756	0.416706	0.0203707	0.244787	0.0149402	0.237215	0.0142422
0.0387486	0.416952	0.0187537	0.246291	0.0174945	0.234962	0.0170258
0.0411288	0.41525	0.0159114	0.246176	0.015149	0.249713	0.0182447
0.0344498	0.417493	0.019311	0.242911	0.0125316	0.243127	0.017051
0.0362179	0.419527	0.0166981	0.239863	0.0157595	0.246516	0.0171495
0.0295133	0.419275	0.0196602	0.245013	0.014245	0.244413	0.0193676
0.0287029	0.424448	0.0123149	0.246666	0.0175636	0.244709	0.0172198
0.0397375	0.42318	0.0136604	0.245794	0.0205397	0.245031	0.0147768
0.0376683	0.419833	0.0158042	0.249554	0.0115385	0.246643	0.0212603
0.0296935	0.421532	0.0172049	0.24718	0.0139153	0.248771	0.0168964
0.0346275	0.419851	0.0146768	0.246465	0.0177814	0.256126	0.0207353
0.0389252	0.415456	0.0159521	0.249726	0.0147597	0.2492	0.0189501
0.0345616	0.412278	0.0170378	0.245706	0.0142602	0.250508	0.0201534

0.0366429	0.41553	0.0165187	0.254095	0.0149798	0.25509	0.0203739
0.0414786	0.417036	0.0159911	0.259145	0.0165377	0.255337	0.0160383
0.0346457	0.416898	0.0154961	0.255001	0.0188547	0.259704	0.0186095
0.0461404	0.41838	0.0175184	0.251447	0.0159876	0.263762	0.0222539
0.0321862	0.418841	0.0143975	0.251598	0.0133169	0.262454	0.018963
0.0300424	0.420267	0.0155532	0.25341	0.0153976	0.263948	0.0195644
0.041793	0.415252	0.018078	0.256249	0.0140649	0.273994	0.0187149
0.0370777	0.419197	0.013021	0.252839	0.0173876	0.272726	0.0216376
0.0330266	0.420535	0.0144428	0.251188	0.0146294	0.269874	0.021699
0.0262478	0.420393	0.0162391	0.259402	0.0156704	0.27934	0.0248237
0.0424888	0.416072	0.0163563	0.256676	0.0153439	0.280738	0.0217083
0.0354099	0.412331	0.0147233	0.256174	0.0138372	0.292204	0.0247353
0.0389657	0.417238	0.0179344	0.255878	0.0155225	0.292495	0.0252661
0.0341831	0.414896	0.0164641	0.256793	0.0134732	0.29322	0.0294909
0.0330551	0.423781	0.0186681	0.259334	0.0166146	0.297913	0.0235727
0.0357706	0.421632	0.0180672	0.259344	0.0144451	0.302368	0.0240532
0.0361021	0.416106	0.0152429	0.270644	0.0177375	0.310848	0.0282386
0.0381735	0.416957	0.0185382	0.25617	0.0151141	0.314342	0.0188869
0.0334017	0.415034	0.0144833	0.260327	0.0156107	0.312889	0.0300223
0.0283496	0.412605	0.0129988	0.263001	0.0174547	0.313103	0.0337054
0.0457688	0.412453	0.0175376	0.260936	0.0129992	0.310941	0.0307936
0.0398106	0.415599	0.0154347	0.266526	0.0199095	0.313964	0.0307738
0.0449681	0.413886	0.012134	0.262811	0.0178237	0.314604	0.0288104
0.0428704	0.408409	0.0125936	0.263617	0.0167188	0.317571	0.0326987
0.0393857	0.408273	0.0145721	0.264979	0.015477	0.310722	0.0256027
0.037476	0.407172	0.0151952	0.262813	0.0173756	0.312554	0.0355438
0.0358508	0.407262	0.0197233	0.260321	0.0167814	0.303266	0.0256318
0.0364007	0.403747	0.013149	0.261773	0.0141852	0.300111	0.0252843
0.035492	0.401483	0.0151225	0.256079	0.0163401	0.299576	0.0242542
0.0369888	0.402863	0.0170897	0.260762	0.0170128	0.296168	0.0252723
0.0307645	0.402401	0.0194179	0.262478	0.0172493	0.292766	0.0199751
0.0395873	0.401665	0.016253	0.257007	0.016432	0.290819	0.0316359
0.0420003	0.398453	0.0154712	0.254034	0.0123125	0.282391	0.0223119
0.0277698	0.390333	0.0138211	0.249715	0.0152955	0.276785	0.0249936
0.0307725	0.393466	0.0128197	0.247372	0.0185381	0.267664	0.0220174
0.0319938	0.394308	0.0151051	0.246247	0.0150065	0.268985	0.024277
0.0330772	0.392272	0.013335	0.25404	0.0174201	0.271682	0.0189224
0.0359896	0.391373	0.0133689	0.252699	0.0171021	0.265604	0.0164757
0.0361928	0.39216	0.0103582	0.252019	0.0145797	0.262246	0.0178199
0.0377474	0.390431	0.0130987	0.252723	0.0146483	0.258747	0.0162847
0.0381546	0.391202	0.0163059	0.253397	0.0161954	0.24736	0.0168355
0.0341811	0.389374	0.0160497	0.247749	0.0125935	0.254858	0.0187629
0.0287212	0.391476	0.0175517	0.246892	0.017383	0.260245	0.0245282
0.0346388	0.399185	0.0107967	0.242999	0.0155415	0.260838	0.0206307
0.035162	0.3874	0.012002	0.242197	0.0150966	0.261973	0.0176447
0.0261867	0.388429	0.0134618	0.247891	0.0140523	0.257529	0.0181638
0.0361893	0.388309	0.0121326	0.249143	0.014907	0.256182	0.0230698

0.0347512	0.389598	0.015028	0.252357	0.0164369	0.260373	0.0218091
0.041671	0.390695	0.0147185	0.247623	0.011059	0.26149	0.0169612
0.0371317	0.3924	0.0135137	0.251607	0.0173483	0.259441	0.0190671
0.0292654	0.390996	0.0123391	0.248925	0.017209	0.261915	0.0213596
0.0324212	0.389741	0.010756	0.24903	0.0162515	0.258016	0.0179402
0.0485707	0.393148	0.017555	0.253955	0.0161479	0.256512	0.0181962
0.0329451	0.389643	0.0181227	0.256247	0.0165983	0.26519	0.0220422
0.0340001	0.387549	0.0150368	0.250628	0.0143536	0.264771	0.0193533
0.0406995	0.390098	0.0165614	0.250244	0.0182757	0.263623	0.0168542
0.0419439	0.391317	0.018234	0.248506	0.0141684	0.261164	0.0173376
0.0356507	0.391253	0.0114351	0.253695	0.0113784	0.269301	0.0195349
0.0348849	0.395612	0.0155457	0.260104	0.0125173	0.265301	0.0161759
0.0323531	0.395965	0.0148675	0.25632	0.017904	0.268364	0.0194802
0.0367166	0.393924	0.0142721	0.255489	0.0125374	0.264683	0.0251788
0.0286205	0.393323	0.0117365	0.255014	0.0192305	0.263516	0.0165632
0.0337605	0.392257	0.0158998	0.259916	0.0133176	0.272508	0.0221598
0.0411414	0.39805	0.0184206	0.258963	0.0139807	0.263056	0.0160776
0.0319093	0.399477	0.0138977	0.260356	0.0131017	0.258639	0.0179728
0.033852	0.393985	0.0136109	0.265124	0.0124227	0.272878	0.0164964
0.0327059	0.396113	0.015441	0.261164	0.0117176	0.267759	0.0212574
0.0329393	0.401479	0.0173921	0.269363	0.0171357	0.268982	0.0200847
0.028204	0.40246	0.0141212	0.265059	0.0157131	0.271692	0.0193944
0.0355349	0.396777	0.015397	0.263926	0.0154669	0.265845	0.0194711
0.0235923	0.402671	0.0185724	0.270886	0.0173917	0.279744	0.0202696
0.0388001	0.403811	0.0143848	0.266135	0.0136081	0.272299	0.0193847
0.0342074	0.406873	0.0140398	0.265204	0.0160464	0.277598	0.0168999
0.0308666	0.404387	0.020345	0.270961	0.0178563	0.277412	0.0195002
0.0312072	0.408715	0.014211	0.272486	0.0138924	0.281272	0.0180937
0.0445887	0.413484	0.0173323	0.276873	0.019943	0.2747	0.0175223
0.0389423	0.416411	0.0137442	0.279181	0.0159222	0.281921	0.0177627
0.0444246	0.416918	0.0143402	0.275219	0.0161122	0.285841	0.0196293
0.0240386	0.417583	0.0146087	0.275876	0.0181036	0.293176	0.0176219
0.0439062	0.417305	0.0178338	0.276442	0.0188613	0.285674	0.0202713
0.0346897	0.421159	0.0193026	0.285536	0.0172213	0.2912	0.0205852
0.0382366	0.425309	0.0146197	0.287387	0.0118997	0.287358	0.0178015
0.0326898	0.423145	0.0145366	0.2891	0.0118113	0.297056	0.0214003
0.040071	0.425518	0.0136378	0.283936	0.0146948	0.297397	0.0222132
0.0345933	0.426004	0.0164048	0.29168	0.0185203	0.304643	0.0208435
0.0363562	0.430601	0.0176897	0.292157	0.0160708	0.305203	0.0239154
0.0369077	0.437366	0.0141739	0.298291	0.01646	0.309319	0.0194727
0.0381477	0.440396	0.0167175	0.294288	0.017727	0.312765	0.0201476
0.0364585	0.444573	0.0189691	0.311851	0.0152371	0.307971	0.020459
0.0425807	0.448332	0.0176173	0.308453	0.0153966	0.319724	0.0196662
0.0344847	0.454416	0.0155608	0.31468	0.0188084	0.323874	0.0245532
0.0385776	0.460929	0.0153041	0.312455	0.0243675	0.334231	0.0262079
0.0369052	0.465225	0.0143314	0.314506	0.0172435	0.345327	0.0255198
0.0352727	0.470955	0.0174713	0.322637	0.0153639	0.335443	0.0224756

0.0396855	0.471109	0.0161128	0.324539	0.017481	0.341925	0.0202469
0.0459344	0.479158	0.014111	0.331857	0.0193889	0.35012	0.0193457
0.0383598	0.484454	0.0179686	0.337397	0.0167927	0.353456	0.0228626
0.0421719	0.489257	0.0167941	0.339259	0.0190265	0.358608	0.0180711
0.03751	0.498705	0.0172208	0.34538	0.0253614	0.365806	0.0195915
0.044368	0.508893	0.013581	0.344521	0.0163891	0.365603	0.0242904
0.048557	0.518629	0.0157543	0.350572	0.0179242	0.381997	0.0281026
0.0374921	0.523263	0.0166316	0.36561	0.019196	0.387923	0.0301186
0.0505527	0.530342	0.02019	0.36597	0.0196331	0.392311	0.0193866
0.0388099	0.53919	0.0176756	0.37659	0.0179669	0.404557	0.0203034
0.0390637	0.547247	0.015956	0.381241	0.0181212	0.418569	0.0282249
0.0397629	0.55789	0.0186256	0.390789	0.0169445	0.426584	0.0230505
0.047739	0.572542	0.0191619	0.403404	0.0227726	0.427528	0.0238725
0.0408826	0.577282	0.0178193	0.410035	0.0180107	0.440122	0.0221292
0.0419429	0.593078	0.0190404	0.41881	0.0208276	0.448514	0.0267911
0.0407602	0.610323	0.0187357	0.425859	0.0187285	0.452033	0.0267201
0.0445503	0.615465	0.0210464	0.432829	0.0187172	0.467269	0.0266842
0.0446157	0.625962	0.0230385	0.45063	0.0255211	0.478266	0.0250656
0.0531105	0.638834	0.0229899	0.457055	0.0219198	0.493231	0.0324251
0.0435292	0.651341	0.0167815	0.47026	0.0188701	0.508898	0.0240535
0.0518816	0.666004	0.0187523	0.480667	0.0224866	0.51834	0.0264792
0.0616761	0.687543	0.0208961	0.499417	0.0229456	0.524782	0.0245185
0.0486968	0.700541	0.0212243	0.507863	0.0233678	0.54801	0.0339522
0.0501058	0.712904	0.0269648	0.513147	0.0274151	0.555662	0.027912
0.0517564	0.728546	0.0193262	0.524424	0.0281981	0.580081	0.0313744
0.0407645	0.746362	0.0202056	0.554655	0.0266867	0.572858	0.0269076
0.0551209	0.755085	0.0203742	0.565292	0.0229142	0.59868	0.031674
0.0560542	0.766122	0.0234326	0.578651	0.0280626	0.626534	0.0304952
0.0490676	0.782113	0.0263525	0.586925	0.0252837	0.633774	0.0308626
0.0548789	0.797862	0.0269638	0.602506	0.0206081	0.646446	0.0422688
0.0492161	0.809389	0.0256855	0.625527	0.0259288	0.662398	0.0279641
0.036757	0.824901	0.0195607	0.641372	0.0267596	0.677676	0.0308556
0.0535237	0.843292	0.0231534	0.657285	0.0266259	0.70034	0.0338806
0.0514744	0.854862	0.0192724	0.685383	0.0271961	0.71128	0.0281962
0.0613098	0.867851	0.0202639	0.686731	0.0233361	0.736713	0.0351319
0.0630335	0.876502	0.0221038	0.722028	0.0242996	0.74652	0.03479
0.0620185	0.886373	0.0230033	0.719338	0.0326287	0.753571	0.0376029
0.0631364	0.904726	0.0207525	0.730561	0.0274392	0.773043	0.0377463
0.0530376	0.913157	0.0227166	0.759976	0.0297125	0.792554	0.0333439
0.046779	0.923297	0.0223315	0.773144	0.0290197	0.805731	0.0382373
0.0524637	0.925443	0.0226282	0.792968	0.0268663	0.815342	0.0325052
0.0609754	0.938672	0.0213403	0.802554	0.0301176	0.835288	0.032294
0.0679108	0.951694	0.0267806	0.812878	0.0196902	0.850343	0.0390061
0.0567089	0.956644	0.0216653	0.831944	0.026491	0.85567	0.0381103
0.0742667	0.95806	0.0169288	0.848887	0.0353537	0.866599	0.0321775
0.0638075	0.968851	0.0198667	0.855637	0.0295533	0.876796	0.0401276
0.0689664	0.974993	0.015953	0.869656	0.0272496	0.892621	0.0447493

0.0628893	0.975755	0.0169561	0.884752	0.0265174	0.914257	0.0451445
0.0597283	0.972147	0.0200548	0.89988	0.0259811	0.902435	0.0364524
0.0629695	0.971667	0.0202804	0.907697	0.0243486	0.929067	0.032946
0.0496599	0.968315	0.0199656	0.910855	0.0286247	0.92174	0.0400309
0.0580825	0.971818	0.0207719	0.926247	0.025498	0.917314	0.0327214
0.05814	0.968725	0.0246105	0.936096	0.0296694	0.943165	0.0464089
0.0648555	0.966367	0.0266052	0.94382	0.031541	0.949431	0.0353945
0.0588387	0.967878	0.0218142	0.938864	0.0305535	0.943408	0.035188
0.0548317	0.957383	0.020135	0.949195	0.0301632	0.939789	0.0363271
0.0802022	0.948779	0.0239552	0.94917	0.0289116	0.947006	0.0325766
0.0472783	0.940516	0.021491	0.956894	0.0325299	0.944213	0.0316117
0.0576431	0.933683	0.021626	0.953866	0.0338575	0.947977	0.0411948
0.083169	0.933143	0.0235243	0.953535	0.0304989	0.939525	0.0333223
0.0585421	0.924452	0.0234001	0.949436	0.0261882	0.932703	0.040192
0.0601066	0.912761	0.0270636	0.934665	0.0348068	0.933639	0.0412737
0.0680318	0.900055	0.0240331	0.943739	0.0320082	0.925112	0.0404035
0.0599696	0.890455	0.0195784	0.946967	0.0333088	0.921067	0.0401594
0.0536944	0.873049	0.0199216	0.939268	0.032976	0.902638	0.0387432
0.055433	0.860341	0.017567	0.931257	0.0282739	0.901192	0.0456721
0.0571688	0.848362	0.0239047	0.923999	0.0286709	0.894608	0.0461311
0.0595534	0.83491	0.0209001	0.907968	0.0263509	0.887993	0.0435281
0.0662731	0.824779	0.0237178	0.898171	0.0342898	0.869831	0.0342749
0.0639529	0.810684	0.0238247	0.893278	0.0308382	0.859483	0.0418677
0.0431788	0.791541	0.0258565	0.881777	0.0358725	0.841776	0.0264098
0.0567606	0.776719	0.0272842	0.863987	0.0299888	0.832202	0.024421
0.0502742	0.766121	0.0198046	0.85004	0.0250093	0.819982	0.0293084
0.0721674	0.751121	0.0158127	0.835149	0.0321872	0.805622	0.0327737
0.0606053	0.735851	0.0195358	0.819828	0.0202368	0.793141	0.0303243
0.063327	0.71986	0.0222635	0.810727	0.026333	0.764662	0.0284328
0.0693294	0.702482	0.0182763	0.790815	0.0353506	0.757591	0.0373221
0.0673099	0.684332	0.0178206	0.782704	0.0292132	0.736426	0.0277104
0.0724869	0.667626	0.0212963	0.758544	0.0269977	0.724528	0.0324112
0.0678885	0.653423	0.0233952	0.752536	0.0285852	0.712149	0.0401421
0.0582169	0.638065	0.0227133	0.731379	0.0268082	0.698303	0.0306327
0.0553115	0.618278	0.0201146	0.71607	0.0259126	0.679432	0.0295201
0.0765005	0.604878	0.0166912	0.696106	0.0215413	0.656409	0.0327598
0.0658757	0.592379	0.0188488	0.688606	0.0261793	0.63387	0.0232882
0.0723515	0.580488	0.0229229	0.663628	0.0308037	0.619202	0.0290145
0.0521904	0.566796	0.0231919	0.646129	0.0264734	0.611352	0.0320327
0.0681785	0.554433	0.0219174	0.626391	0.0254521	0.587574	0.030118
0.0587321	0.539603	0.018659	0.620975	0.0296443	0.577475	0.0331435
0.0546033	0.529373	0.0166572	0.592926	0.0175485	0.569084	0.0233754
0.0653275	0.523387	0.0156105	0.573961	0.0204951	0.542699	0.0236894
0.0458256	0.505531	0.0170759	0.557676	0.0238973	0.530406	0.0288133
0.0483486	0.490913	0.0175536	0.547483	0.0229567	0.51951	0.0267812
0.055513	0.484832	0.0169598	0.5286	0.0216894	0.499925	0.0232159
0.0463638	0.475742	0.018815	0.515107	0.024656	0.488914	0.0221391

0.0546257	0.464394	0.0184341	0.502353	0.0195272	0.469276	0.0287758
0.0592901	0.453569	0.0160815	0.482675	0.0256678	0.468766	0.0280096
0.0387106	0.444288	0.0126846	0.477908	0.0195175	0.448609	0.0252795
0.0533253	0.432365	0.0145221	0.464131	0.0231387	0.436	0.02719
0.0458121	0.41953	0.0148983	0.449414	0.0209002	0.428887	0.0215529
0.0583217	0.414076	0.0124657	0.438765	0.0293498	0.413865	0.0225472
0.0542186	0.405982	0.0133523	0.420779	0.0210994	0.402422	0.0333723
0.0453495	0.396132	0.0159635	0.411186	0.0164323	0.402276	0.0246522
0.041335	0.39163	0.0134076	0.404861	0.0179353	0.38989	0.0240087
0.0517301	0.386767	0.0115846	0.398061	0.0188258	0.380071	0.0179707
0.0539654	0.378732	0.0101309	0.382772	0.0190948	0.365584	0.0237639
0.0370652	0.375071	0.0103774	0.374549	0.0231174	0.349952	0.0198644
0.0388154	0.370044	0.0106426	0.355247	0.0193805	0.345211	0.0192353
0.0407964	0.360159	0.0105497	0.357702	0.0163879	0.33516	0.0214502
0.0365464	0.35249	0.0149426	0.341413	0.0154753	0.33309	0.0175944
0.0333821	0.348444	0.0117632	0.337006	0.0130727	0.323752	0.0155544
0.0411668	0.344128	0.0109243	0.330269	0.0148596	0.315594	0.0276043
0.0395034	0.338532	0.0115371	0.319989	0.0161723	0.316969	0.0231928
0.0411823	0.33315	0.015158	0.311344	0.0134432	0.311631	0.0185106
0.0335574	0.330677	0.0102832	0.313477	0.0184671	0.28999	0.0176235
0.0460177	0.324907	0.0112658	0.294548	0.018357	0.292934	0.022905
0.036022	0.315355	0.0162722	0.293995	0.0158417	0.283657	0.0180452
0.03925	0.309706	0.0137571	0.286219	0.0162968	0.276215	0.0140843
0.0322716	0.308114	0.0107267	0.288027	0.0104409	0.276982	0.0229223
0.0346414	0.305957	0.0101654	0.272664	0.0132386	0.268775	0.0200901
0.0411858	0.301387	0.0131925	0.270745	0.0129937	0.263251	0.0215282
0.0306591	0.295343	0.0142065	0.260436	0.0178948	0.260384	0.0204678
0.0268385	0.294584	0.0101172	0.259895	0.012901	0.258867	0.019892
0.0381088	0.290623	0.00818192	0.260199	0.0172787	0.246676	0.0210143
0.0348602	0.284869	0.0114583	0.249085	0.0171978	0.24311	0.0172687
0.0361705	0.283231	0.0116043	0.245906	0.0167303	0.239289	0.0185594
0.0378473	0.276476	0.0127805	0.239952	0.0140873	0.237602	0.0154251
0.0347298	0.272525	0.0139374	0.232611	0.0140705	0.227968	0.0157703
0.0306058	0.269772	0.0107791	0.231221	0.0105265	0.229418	0.0125239
0.0382161	0.267669	0.0107551	0.225468	0.0136278	0.221845	0.0180972
0.0271581	0.265296	0.0109784	0.223545	0.0145706	0.221429	0.0155388
0.0356827	0.261597	0.010477	0.216211	0.0155012	0.216135	0.0153627
0.0326509	0.261201	0.0132117	0.213982	0.014128	0.212964	0.0146097
0.0322201	0.259833	0.010473	0.210096	0.010217	0.207638	0.0196462
0.0311154	0.255473	0.00976098	0.210227	0.0112513	0.209606	0.0124068
0.0378099	0.25492	0.0101239	0.204755	0.015626	0.200679	0.0162127
0.0338507	0.251372	0.010012	0.199423	0.0131597	0.197333	0.0179001
0.0339479	0.247581	0.0109653	0.199042	0.012334	0.192417	0.0152791
0.0354896	0.248974	0.0116044	0.193134	0.0126111	0.188635	0.0184498
0.0383387	0.249254	0.0119215	0.190233	0.0131945	0.196382	0.0132816
0.0396512	0.250715	0.00938004	0.189643	0.0131971	0.18804	0.0118942
0.0381752	0.250464	0.00967716	0.190023	0.0123089	0.187883	0.0167628

0.0316589	0.25298	0.010526	0.189343	0.0148985	0.183809	0.0128855
0.0339491	0.256699	0.0100508	0.184591	0.0102186	0.188164	0.0149639
0.0327655	0.261576	0.00850483	0.184643	0.0106205	0.188796	0.0164008
0.0320728	0.26698	0.00916157	0.183584	0.0124738	0.182353	0.01404
0.0301792	0.273797	0.0110121	0.182528	0.0145553	0.19107	0.015013
0.0384695	0.280203	0.0120425	0.183721	0.0160807	0.189401	0.017355
0.0415115	0.284996	0.0124784	0.186081	0.0148133	0.192529	0.0148511
0.0368676	0.295719	0.012366	0.195317	0.0119537	0.198702	0.0194626
0.0339903	0.310272	0.0116014	0.196748	0.013842	0.204635	0.0133582
0.0411568	0.323902	0.0114976	0.197633	0.0142698	0.210276	0.0168589
0.0458891	0.336717	0.0109787	0.207135	0.0141042	0.215411	0.0121909
0.0326953	0.350819	0.0111387	0.212722	0.0132352	0.230429	0.0143525
0.0401049	0.366509	0.0119812	0.226473	0.013906	0.233228	0.0184979
0.0515572	0.387037	0.0144152	0.234862	0.013526	0.245426	0.0221248
0.0394696	0.405807	0.0137833	0.246761	0.0155626	0.259552	0.0165705
0.0523867	0.425861	0.0134653	0.256068	0.0172037	0.272059	0.0208442
0.0336263	0.446545	0.0101592	0.27182	0.0144898	0.285752	0.0233213
0.0560612	0.465416	0.010617	0.292741	0.0162033	0.30561	0.0156332
0.0490591	0.48622	0.0121822	0.301932	0.0193628	0.318542	0.0235122
0.0603253	0.505935	0.0140123	0.322045	0.0118688	0.343841	0.0185248
0.0574051	0.529698	0.0151862	0.339704	0.0171032	0.349795	0.0172956
0.0539122	0.54759	0.0168355	0.369546	0.0176415	0.380675	0.0176811
0.0656639	0.564156	0.0168158	0.388838	0.0201768	0.395477	0.0228594
0.0732415	0.586118	0.0158174	0.410568	0.0207992	0.411866	0.0273884
0.0602273	0.604491	0.014134	0.436697	0.0234429	0.437621	0.0261478
0.0542664	0.622502	0.0176964	0.455886	0.0234878	0.458697	0.0260232
0.0782791	0.635551	0.023812	0.472058	0.0259701	0.491165	0.028345
0.0755266	0.64784	0.0172335	0.501802	0.0267867	0.494893	0.0238509
0.067301	0.665585	0.0212245	0.519384	0.0192007	0.518857	0.025514
0.0741438	0.677589	0.0197984	0.541693	0.0197367	0.537361	0.0279279
0.0749942	0.680898	0.0201059	0.558471	0.0253307	0.557485	0.0241026
0.0879594	0.683094	0.0202966	0.581921	0.0234809	0.571465	0.0235049
0.0925311	0.687328	0.0189221	0.601203	0.0246205	0.589893	0.0349122
0.0967296	0.692113	0.020981	0.609388	0.0256675	0.592655	0.030601
0.079853	0.686562	0.0251264	0.634672	0.0303463	0.608836	0.0273712
0.0849879	0.672171	0.021696	0.639239	0.0322624	0.616039	0.0262889
0.102612	0.659537	0.0173055	0.652833	0.0354838	0.610406	0.026554
0.0854993	0.646843	0.0139434	0.659701	0.0274104	0.616983	0.0347793
0.101276	0.633347	0.015193	0.65317	0.0321107	0.619344	0.0287841
0.0929962	0.61498	0.0195891	0.662145	0.0325084	0.616628	0.0272638
0.073405	0.592149	0.0170789	0.664338	0.0288474	0.604736	0.0268609
0.106723	0.568012	0.015572	0.664166	0.0253508	0.594829	0.0286354
0.120978	0.542192	0.0141073	0.644667	0.0324011	0.58672	0.0336446
0.0922195	0.513	0.0153968	0.64113	0.0249493	0.57005	0.0281693
0.099384	0.482993	0.0120556	0.609956	0.0319298	0.556207	0.0306544
0.0939418	0.45482	0.0122267	0.598443	0.0240237	0.541707	0.0280303
0.0997095	0.427684	0.0144778	0.579055	0.0200652	0.517206	0.028462

0.0885118	0.4036	0.0131102	0.550964	0.030309	0.491369	0.0325071
0.0784901	0.377438	0.0136907	0.525346	0.0272267	0.453994	0.0262647
0.0737988	0.349235	0.0144286	0.502879	0.0218817	0.429826	0.0278824
0.0786694	0.327918	0.0130222	0.47282	0.020437	0.405457	0.0268368
0.0832691	0.303406	0.0102286	0.440703	0.0251306	0.373194	0.0203622
0.0612264	0.281539	0.0117688	0.408029	0.0162226	0.345709	0.0169579
0.0578752	0.269357	0.012716	0.378165	0.0183529	0.320792	0.0185395
0.0674407	0.25369	0.0113593	0.349063	0.0138694	0.294327	0.0192807
0.051268	0.235403	0.010396	0.323796	0.0187361	0.266897	0.0131805
0.0470863	0.224187	0.0100283	0.296916	0.0151954	0.25239	0.01772
0.0540734	0.213877	0.00893492	0.272312	0.0159684	0.22935	0.0150071
0.0415996	0.205153	0.0107251	0.254477	0.0193958	0.215886	0.0176982
0.047576	0.200263	0.00783811	0.229368	0.0126385	0.192531	0.0182062
0.0477401	0.194241	0.00692413	0.205016	0.0136874	0.179318	0.015408
0.0300142	0.188731	0.00861725	0.193949	0.0137532	0.167808	0.0148396
0.0365469	0.184174	0.00867567	0.178955	0.0138361	0.1548	0.0159584
0.028323	0.182258	0.00820797	0.169769	0.0140171	0.153115	0.0160662
0.035907	0.179604	0.00773793	0.155363	0.0104546	0.140002	0.0151528
0.0323528	0.176644	0.00764366	0.152262	0.0106037	0.136013	0.0152473
0.0299665	0.175718	0.00876643	0.140681	0.0130642	0.129518	0.0141955
0.0270815	0.17281	0.00836613	0.137292	0.0136263	0.126734	0.0115328
0.031839	0.170646	0.00737785	0.129839	0.00975833	0.123173	0.0099359
0.023076	0.172019	0.00778423	0.124343	0.0100539	0.123188	0.0125388
0.0252878	0.170635	0.00790476	0.12606	0.0121374	0.120441	0.0132091
0.0364125	0.168426	0.00921928	0.11696	0.00789095	0.115536	0.0120762
0.0260675	0.168203	0.0104183	0.117971	0.0100183	0.114628	0.0125982
0.0322828	0.168011	0.00751165	0.118163	0.0104184	0.116286	0.0124621
0.0224529	0.169347	0.00895898	0.118144	0.0114755	0.112013	0.0111058
0.0256496	0.170642	0.0095648	0.116209	0.00815836	0.112089	0.0118751
0.0286439	0.169194	0.0103954	0.113818	0.010363	0.115911	0.012722
0.0210231	0.167986	0.00741552	0.112355	0.0107474	0.112942	0.0133818
0.0259321	0.16953	0.00855666	0.116629	0.0101421	0.1117	0.010972
0.0207879	0.172645	0.00872184	0.112854	0.0108656	0.117062	0.0110926
0.0220968	0.171524	0.00807526	0.114237	0.00634563	0.119274	0.0122442
0.0207714	0.168712	0.00744397	0.115609	0.0107075	0.118575	0.0144215
0.0251081	0.169957	0.00732525	0.117696	0.0122816	0.117445	0.0119207
0.0198871	0.171598	0.0108847	0.117639	0.00963507	0.1132	0.0147284
0.0304519	0.173181	0.0113088	0.116846	0.0108413	0.112352	0.00919493
0.0254495	0.173956	0.00972527	0.114391	0.0111164	0.115713	0.01146
0.0226373	0.174948	0.00819171	0.11273	0.0119975	0.11606	0.0115266
0.0216702	0.176199	0.00781007	0.118237	0.011209	0.116497	0.0108618
0.0261412	0.175196	0.00759933	0.120065	0.0122582	0.118386	0.0103616
0.0235591	0.177419	0.0072629	0.119782	0.0105779	0.117551	0.0112159
0.0252912	0.179955	0.00914775	0.118832	0.0106206	0.118355	0.0104166
0.0252539	0.178117	0.0101948	0.120608	0.0122131	0.119774	0.0106866
0.0286642	0.174614	0.00852516	0.120549	0.0124759	0.11982	0.0125921
0.0198433	0.173785	0.00748054	0.122196	0.0106185	0.125282	0.0118697

0.0267957	0.176744	0.00869528	0.121443	0.0094337	0.126649	0.0143971
0.0205817	0.180199	0.0102275	0.119844	0.0101525	0.123433	0.0138334
0.0237775	0.179986	0.0126081	0.124366	0.0126281	0.12195	0.0120719
0.0275517	0.180411	0.00982481	0.123528	0.0089807	0.128604	0.0139932
0.0238738	0.182535	0.0102076	0.126564	0.0126246	0.129054	0.0117067
0.0248718	0.185136	0.00951424	0.12547	0.00966249	0.130736	0.0132092
0.0230128	0.187087	0.00862778	0.130993	0.00813954	0.126265	0.00929173
0.0272171	0.18818	0.010425	0.128428	0.00887737	0.133585	0.0131707
0.0195466	0.189007	0.0108048	0.127718	0.0109008	0.132981	0.015578
0.023979	0.18987	0.00858879	0.130624	0.00973808	0.136269	0.0120752
0.0260836	0.190732	0.00810961	0.132461	0.0118196	0.136967	0.0143256
0.0305166	0.189754	0.0110841	0.132284	0.0112092	0.136613	0.0116072
0.0246101	0.193048	0.0104957	0.133125	0.011096	0.138814	0.0158401
0.0211813	0.196322	0.0114637	0.139623	0.0115045	0.137149	0.013881
0.0290172	0.195233	0.0102278	0.140044	0.0108475	0.133634	0.0120355
0.0222481	0.193596	0.00885864	0.143092	0.0131492	0.140449	0.0143364
0.02394	0.197949	0.00890883	0.139486	0.00843923	0.143957	0.00897351
0.0311431	0.197629	0.00898524	0.143378	0.0100056	0.142836	0.0169299
0.0232894	0.194099	0.00905429	0.144162	0.0110193	0.147553	0.0125955
0.0252591	0.197444	0.0107786	0.145446	0.0118549	0.150248	0.0106334
0.0261131	0.199907	0.00967535	0.146529	0.014243	0.154051	0.0135478
0.0288547	0.20141	0.00861808	0.152456	0.0106938	0.150096	0.0140619
0.0235059	0.201863	0.00996916	0.149859	0.0151307	0.151975	0.0146699
0.0255689	0.20092	0.00988273	0.153107	0.010649	0.156639	0.0171358
0.0271253	0.204356	0.00790213	0.153167	0.00707604	0.157039	0.0139374
0.026893	0.201933	0.00898684	0.153682	0.0104289	0.156597	0.0107228
0.0321093	0.203049	0.00975137	0.159159	0.0151188	0.156721	0.0151804
0.0241523	0.208082	0.0093383	0.158896	0.0106804	0.161528	0.0131388

SB Gy		SB X1		SB SNF		SB SF
mean	std	mean	std	mean	std	mean
0.372716	0.0213241	0.308687	0.11143	0.207508	0.0201546	2.26705
0.380266	0.0261759	0.310137	0.108058	0.206511	0.0142846	2.22612
0.381494	0.0303519	0.315931	0.113678	0.210907	0.0169403	2.22689
0.383343	0.029217	0.308801	0.110392	0.208779	0.015025	2.24404
0.372164	0.0223948	0.302719	0.114408	0.205839	0.01184	2.23019
0.380273	0.0258454	0.306009	0.102969	0.208633	0.0155606	2.24663
0.37502	0.0201682	0.30645	0.112916	0.207516	0.0176179	2.21478
0.384129	0.0277388	0.303618	0.109196	0.202652	0.0127888	2.21132
0.376635	0.0294942	0.304958	0.109611	0.205249	0.0114203	2.20511
0.383255	0.033965	0.308482	0.111941	0.201042	0.016722	2.22559
0.372901	0.0254062	0.302535	0.107534	0.200532	0.014472	2.22557
0.371613	0.0267283	0.304841	0.103103	0.202207	0.0137443	2.2116
0.375027	0.0257698	0.311067	0.11518	0.206187	0.0165375	2.2145
0.376517	0.0267551	0.301094	0.109106	0.197679	0.0140839	2.20371
0.372764	0.023906	0.303709	0.108588	0.20063	0.0131395	2.20423
0.373007	0.0307179	0.302503	0.118517	0.198765	0.0144961	2.19836
0.371699	0.0209773	0.306898	0.107371	0.202522	0.0167546	2.24487
0.380479	0.031546	0.305782	0.114464	0.20357	0.0183039	2.21676
0.384404	0.0293727	0.30831	0.106408	0.208729	0.0180684	2.22763
0.389884	0.0297627	0.30877	0.113979	0.210373	0.0150397	2.23912
0.391656	0.0274233	0.315307	0.121606	0.216098	0.0143232	2.22939
0.399688	0.0238505	0.323118	0.11579	0.216713	0.016274	2.25873
0.410974	0.0250151	0.320944	0.114184	0.224228	0.0167299	2.23157
0.408896	0.0235667	0.327772	0.11891	0.224229	0.0158453	2.2213
0.421748	0.0236502	0.335759	0.120594	0.225353	0.0146191	2.2515
0.4241	0.0249547	0.332906	0.118561	0.227717	0.0187557	2.28104
0.416492	0.0285785	0.32266	0.120953	0.224952	0.0167007	2.24066
0.415808	0.0241955	0.323395	0.117069	0.222697	0.0128967	2.27249
0.416166	0.0305974	0.320343	0.12387	0.222966	0.0160793	2.2444
0.407442	0.023805	0.321871	0.118168	0.21837	0.0165654	2.20182
0.398192	0.0233872	0.314741	0.119057	0.217483	0.0141103	2.23863
0.394454	0.0223466	0.308351	0.116626	0.211371	0.0145995	2.20453
0.387544	0.0273999	0.309562	0.117825	0.215614	0.0160385	2.20318
0.383359	0.0315601	0.307094	0.112969	0.217671	0.0153202	2.1886
0.370008	0.0225174	0.302818	0.110933	0.215103	0.0140671	2.17309
0.370649	0.0260253	0.307004	0.12029	0.218269	0.0145846	2.19934
0.371458	0.0252193	0.304061	0.1133	0.232976	0.0215142	2.18793
0.374266	0.0231795	0.31698	0.117024	0.254039	0.0216309	2.23924
0.378974	0.0269045	0.334086	0.124367	0.296554	0.0250523	2.2608
0.380536	0.0242832	0.363993	0.134331	0.359281	0.0327462	2.36981
0.390441	0.0236091	0.405212	0.162832	0.466959	0.0449386	2.4847
0.399948	0.0243715	0.458066	0.179872	0.606444	0.0580343	2.69445
0.412937	0.0172393	0.531656	0.202839	0.78837	0.0726182	2.96039
0.43221	0.0303715	0.625153	0.25539	1.0177	0.110837	3.24064
0.450375	0.025193	0.726693	0.2906	1.275	0.143062	3.61264

0.472457	0.0277405	0.827076	0.338911	1.53985	0.179596	3.94844
0.498	0.0292648	0.92193	0.38439	1.77575	0.20439	4.23805
0.512533	0.0328701	0.997562	0.404046	1.95232	0.211892	4.54869
0.515413	0.0293187	1.03541	0.433121	2.04788	0.2165	4.64071
0.530284	0.0355724	1.03113	0.425199	2.05295	0.230785	4.62252
0.520182	0.03097	0.998692	0.40832	1.95366	0.216282	4.53226
0.511319	0.0291712	0.922986	0.371008	1.77308	0.203659	4.24779
0.495357	0.0286304	0.826326	0.338303	1.53331	0.166427	3.96532
0.476559	0.0297605	0.719981	0.291374	1.28793	0.131374	3.63702
0.455196	0.0236857	0.634273	0.25819	1.04649	0.106603	3.26762
0.431886	0.0298639	0.552862	0.225438	0.832537	0.0892648	2.98713
0.425728	0.0258066	0.495119	0.206384	0.653595	0.0658854	2.73518
0.405181	0.0233254	0.441898	0.172671	0.517751	0.0444023	2.54658
0.393977	0.0290388	0.41604	0.16779	0.427232	0.0406478	2.4497
0.395433	0.0249935	0.410751	0.170068	0.366832	0.0354811	2.36178
0.397644	0.0212563	0.429937	0.174395	0.348152	0.0341047	2.35305
0.396738	0.0225985	0.492124	0.205547	0.375542	0.033471	2.42599
0.41182	0.0234825	0.625702	0.273439	0.448361	0.0410147	2.65436
0.426622	0.023352	0.83627	0.381326	0.602861	0.0603015	3.0602
0.473306	0.0280582	1.16679	0.544323	0.851281	0.08076	3.69562
0.546224	0.0327075	1.68261	0.824195	1.2178	0.128112	4.66518
0.632605	0.0390847	2.38746	1.19222	1.7422	0.190994	6.05742
0.751081	0.0510928	3.30963	1.67876	2.4423	0.259821	7.85826
0.903525	0.0600441	4.4363	2.26747	3.29573	0.350514	10.0376
1.10555	0.0808396	5.72337	2.93666	4.2536	0.476974	12.5634
1.30088	0.105435	7.00565	3.58587	5.24586	0.590371	15.0729
1.51293	0.128142	8.1862	4.20222	6.18516	0.676862	17.5132
1.69474	0.124461	9.1074	4.65871	6.92793	0.755638	19.4821
1.82472	0.14738	9.66204	4.982	7.35558	0.802061	20.7207
1.89005	0.139062	9.73003	5.02615	7.4404	0.817311	20.9289
1.89167	0.147937	9.28289	4.79974	7.17631	0.790804	20.2087
1.82637	0.1431	8.52538	4.43293	6.58509	0.745883	18.7626
1.68839	0.129044	7.44728	3.86628	5.79957	0.651236	16.6874
1.54518	0.101766	6.20425	3.22901	4.82574	0.529498	14.2816
1.34241	0.0978442	4.98819	2.58356	3.88855	0.424243	11.831
1.17637	0.0739933	3.87888	1.98508	3.03865	0.338053	9.58169
1.048	0.0608868	2.96262	1.51594	2.28861	0.252183	7.653
0.929764	0.0550786	2.22124	1.10317	1.7002	0.176317	6.12153
0.844002	0.0460938	1.69994	0.822942	1.28203	0.140309	5.01296
0.798807	0.042529	1.29346	0.635097	0.964635	0.0995608	4.15967
0.759484	0.0497701	1.0076	0.491736	0.737116	0.0700289	3.53289
0.739432	0.0408895	0.804514	0.367258	0.571295	0.0515317	3.11701
0.722478	0.0376147	0.653943	0.287976	0.459817	0.0415526	2.79794
0.711702	0.036852	0.545005	0.237343	0.382824	0.0296623	2.56781
0.713068	0.0344655	0.467788	0.18772	0.320754	0.0224117	2.4246
0.715768	0.0485585	0.416318	0.160499	0.279257	0.0236065	2.32891
0.707745	0.0404225	0.375455	0.15611	0.251075	0.0188884	2.22138

0.70294	0.0483059	0.365689	0.143013	0.235823	0.0184049	2.16409
0.69537	0.0524448	0.353624	0.135396	0.228827	0.0196343	2.12041
0.658041	0.0426863	0.351998	0.13518	0.230167	0.0193892	2.12755
0.619547	0.054873	0.36345	0.143291	0.245096	0.0261421	2.12955
0.596756	0.0603676	0.367933	0.138046	0.257039	0.0282007	2.16679
0.571603	0.0478929	0.377293	0.149385	0.275938	0.0238608	2.17966
0.554683	0.0407247	0.380871	0.150545	0.291092	0.0252262	2.26163
0.560185	0.0433066	0.396303	0.150479	0.307689	0.0285898	2.30729
0.56399	0.0399822	0.400382	0.156765	0.3205	0.0305121	2.34532
0.570893	0.0320076	0.403593	0.161035	0.322581	0.0287649	2.37597
0.593637	0.0300065	0.394992	0.15717	0.324975	0.028041	2.40083
0.617765	0.0384793	0.390673	0.154935	0.315294	0.0264028	2.385
0.638362	0.0392277	0.387107	0.152566	0.299061	0.0291838	2.39445
0.654538	0.0403441	0.367996	0.147188	0.282108	0.0238274	2.37641
0.663806	0.0299902	0.353201	0.134942	0.264062	0.0193023	2.329
0.672772	0.0273933	0.338839	0.126049	0.245692	0.0189113	2.30572
0.673502	0.0333002	0.324438	0.12248	0.227351	0.0168124	2.25332
0.682997	0.0307671	0.322614	0.126107	0.212391	0.0160212	2.24438
0.700228	0.0397011	0.316523	0.118459	0.200822	0.0131792	2.20157
0.705575	0.0356558	0.308624	0.115244	0.193976	0.013225	2.14537
0.735114	0.0378579	0.302599	0.117071	0.185852	0.0131275	2.1195
0.767705	0.0382508	0.303824	0.115368	0.182476	0.0134558	2.08954
0.84213	0.0382054	0.299923	0.115882	0.182631	0.013154	2.07054
0.963136	0.0428276	0.310419	0.119066	0.18193	0.0139612	2.05216
1.15721	0.054753	0.326413	0.126641	0.182409	0.0135025	2.03342
1.49855	0.068892	0.35402	0.135697	0.190295	0.0139952	2.0309
2.05752	0.0840323	0.387438	0.151238	0.203176	0.0126854	2.02306
2.92723	0.119234	0.438565	0.179398	0.22129	0.0123775	2.02361
4.27618	0.156162	0.528339	0.216428	0.249639	0.0157115	2.06502
6.28791	0.231019	0.658184	0.27863	0.297006	0.0205493	2.11373
9.13014	0.310094	0.838328	0.352795	0.36308	0.0291593	2.17742
12.9534	0.451718	1.06585	0.4499	0.448346	0.0386632	2.26574
17.8921	0.650147	1.3422	0.586116	0.548835	0.0462272	2.38176
23.8371	0.826144	1.65603	0.738172	0.669816	0.0576188	2.52048
30.6409	1.0168	1.99616	0.884357	0.796993	0.0718903	2.65862
37.7573	1.32311	2.33261	1.04278	0.914228	0.0824123	2.77446
44.5817	1.5909	2.62883	1.19158	1.02309	0.0886223	2.87576
50.4373	1.81811	2.85265	1.29126	1.10644	0.0992407	2.99498
54.5841	1.91153	2.96735	1.33311	1.14736	0.106344	3.06978
56.4233	1.97923	2.96864	1.33483	1.14424	0.107357	3.04752
55.7988	1.94306	2.83253	1.2735	1.10496	0.101203	3.00556
52.7842	1.81533	2.62941	1.1646	1.0296	0.096212	2.89699
47.7514	1.65581	2.33956	1.03089	0.919819	0.0795879	2.77613
41.3805	1.43442	2.00591	0.880313	0.796082	0.0685334	2.65473
34.315	1.16852	1.66569	0.717452	0.671587	0.0574162	2.48588
27.3487	0.939717	1.36255	0.573979	0.558863	0.0425947	2.3481
21.0934	0.739198	1.10761	0.451712	0.459656	0.0328311	2.26231

15.7949	0.558569	0.905387	0.364836	0.380952	0.0256029	2.16465
11.6894	0.411496	0.746742	0.300044	0.325935	0.021689	2.08963
8.75696	0.310487	0.647243	0.246455	0.291486	0.0193821	2.04419
6.78892	0.229867	0.590655	0.222645	0.270325	0.0172872	2.01471
5.58353	0.192327	0.546215	0.199974	0.257542	0.0175151	2.02301
4.90036	0.176586	0.521495	0.191282	0.252011	0.015264	2.00817
4.54975	0.171108	0.510498	0.186851	0.248095	0.0126222	1.99517
4.34428	0.160519	0.500644	0.181503	0.240823	0.015278	2.00217
4.16705	0.143103	0.479409	0.18048	0.237179	0.0147405	2.00935
3.91412	0.138431	0.458802	0.171211	0.235576	0.0154482	2.02089
3.59086	0.140698	0.433704	0.160275	0.22889	0.0146087	2.00782
3.1958	0.111948	0.408099	0.148062	0.216873	0.0140069	1.99593
2.75212	0.0897652	0.384644	0.144042	0.208053	0.0115156	2.00099
2.2936	0.0769859	0.363698	0.133346	0.198747	0.0106627	2.00007
1.88007	0.071502	0.344482	0.125015	0.195545	0.00993633	2.00998
1.49248	0.0614355	0.335581	0.124535	0.193926	0.0113217	2.04297
1.1772	0.0450162	0.329372	0.122134	0.194349	0.0120945	2.08797
0.941556	0.0349625	0.32409	0.121432	0.203467	0.0136228	2.15856
0.769069	0.0357297	0.334488	0.127329	0.215116	0.0150431	2.28644
0.655884	0.0295008	0.35587	0.137845	0.233306	0.0175646	2.48138
0.601404	0.0281233	0.378907	0.138514	0.262196	0.0194287	2.73297
0.595001	0.0322782	0.413405	0.145295	0.298956	0.0199477	3.09541
0.621957	0.0407109	0.458681	0.165515	0.346322	0.0236429	3.5966
0.687865	0.0452526	0.510415	0.180859	0.407298	0.0318296	4.19223
0.786704	0.0632332	0.57374	0.202611	0.477706	0.0405266	4.94463
0.910689	0.0808785	0.640982	0.23069	0.549335	0.0477551	5.7714
1.05246	0.0953228	0.703966	0.251623	0.623658	0.0547991	6.63497
1.19908	0.124151	0.771852	0.271892	0.698599	0.0604395	7.45958
1.33325	0.14497	0.835163	0.295429	0.760895	0.0712701	8.21712
1.44697	0.15292	0.87121	0.309238	0.806209	0.0735183	8.83745
1.53845	0.17251	0.891144	0.310166	0.832373	0.072362	9.19713
1.58605	0.187399	0.891669	0.310804	0.831719	0.074484	9.27493
1.57439	0.183575	0.874711	0.307372	0.812981	0.0703834	9.07119
1.51674	0.181831	0.838683	0.296215	0.778119	0.0643628	8.71355
1.43153	0.152791	0.799337	0.28467	0.726501	0.0595233	8.22988
1.32344	0.140409	0.771613	0.277635	0.675143	0.053512	7.68159
1.1962	0.131814	0.750396	0.271294	0.624499	0.0427745	7.19325
1.0775	0.110467	0.737163	0.267383	0.590004	0.0377481	6.79893
0.976032	0.0815855	0.73412	0.262622	0.567045	0.0403301	6.58103
0.886271	0.0589615	0.754314	0.273936	0.553876	0.036669	6.53038
0.834327	0.053636	0.788877	0.300048	0.560058	0.0368268	6.61117
0.804654	0.0393803	0.827902	0.32288	0.575952	0.0448562	6.84031
0.783499	0.0354921	0.866698	0.331081	0.589046	0.0438771	7.06688
0.778389	0.0426232	0.885186	0.335698	0.600049	0.0436904	7.22244
0.779036	0.0401601	0.899677	0.344373	0.604876	0.0423049	7.29915
0.780779	0.0297967	0.901004	0.343095	0.601477	0.0414725	7.23966
0.776833	0.0336248	0.872978	0.32832	0.585795	0.0406707	7.03121

0.77079	0.0328023	0.831844	0.307529	0.557308	0.0401937	6.65747
0.755934	0.0271153	0.79433	0.292759	0.526256	0.0372796	6.21576
0.738013	0.0314278	0.754504	0.277459	0.496722	0.0299141	5.70833
0.718921	0.0326773	0.705575	0.252949	0.460272	0.0286796	5.15287
0.703013	0.0336959	0.661811	0.231549	0.424372	0.03007	4.65589
0.697636	0.0343313	0.622078	0.217124	0.398554	0.0286348	4.20989
0.69787	0.0314584	0.584813	0.204106	0.373926	0.027642	3.79727
0.688885	0.030187	0.557383	0.191471	0.349281	0.0215223	3.47118
0.679076	0.0364028	0.53922	0.1804	0.330443	0.0205738	3.20802
0.678533	0.0334932	0.520488	0.173819	0.314624	0.0204336	2.97128
0.678414	0.030876	0.506717	0.171121	0.302833	0.0194453	2.78465
0.670694	0.0337615	0.497199	0.165102	0.289576	0.0214027	2.63199
0.661744	0.0384873	0.48068	0.159596	0.276509	0.020021	2.50839
0.650916	0.0377832	0.470257	0.158623	0.264286	0.0187317	2.40091
0.638708	0.0352241	0.455598	0.15358	0.252195	0.016548	2.31534
0.626833	0.0333965	0.435287	0.15252	0.242166	0.0146855	2.23076
0.602146	0.0349021	0.425411	0.151627	0.231557	0.0163674	2.1613
0.577522	0.0303192	0.416105	0.144146	0.218503	0.0148076	2.1087
0.559569	0.0285785	0.401517	0.141564	0.210852	0.015712	2.04696
0.536042	0.0271029	0.389835	0.140898	0.20743	0.0138333	1.98956
0.51879	0.0226814	0.384254	0.141786	0.200883	0.0139005	1.95899
0.505612	0.0245369	0.381385	0.146725	0.193327	0.011364	1.93358
0.498301	0.0284991	0.379529	0.148268	0.191337	0.0114634	1.92274
0.495228	0.0276086	0.381737	0.144595	0.193668	0.0119929	1.9095
0.490933	0.0229089	0.385409	0.149215	0.196442	0.0108395	1.90467
0.489591	0.0224953	0.388345	0.146214	0.201656	0.0135851	1.91316
0.487884	0.0231697	0.388824	0.146106	0.207841	0.0145945	1.92712
0.487348	0.0263137	0.395524	0.152166	0.213895	0.0130022	1.91507
0.493624	0.0259613	0.406339	0.156672	0.227105	0.0142201	1.9441
0.505962	0.0293031	0.41645	0.159797	0.247886	0.0171306	1.97362
0.524971	0.0298974	0.43672	0.167502	0.281109	0.0179059	2.0227
0.526903	0.0262914	0.472575	0.184915	0.329265	0.0222421	2.0947
0.533581	0.0270116	0.518163	0.205931	0.396884	0.0304104	2.1926
0.546232	0.0264137	0.588332	0.240898	0.506759	0.0374853	2.35718
0.564335	0.0262866	0.680065	0.282539	0.667198	0.0469872	2.5971
0.579431	0.0323719	0.798719	0.342557	0.883594	0.0654907	2.94332
0.593735	0.0338645	0.95129	0.424463	1.17341	0.0785575	3.39756
0.607313	0.0266893	1.15995	0.523642	1.53697	0.103085	3.94453
0.636288	0.029684	1.41575	0.647692	1.97639	0.146032	4.61785
0.665248	0.0321439	1.68099	0.786597	2.47683	0.195348	5.41398
0.694318	0.0242754	1.97759	0.934614	3.01369	0.238984	6.23053
0.72288	0.0294067	2.27474	1.0754	3.54086	0.274383	7.02476
0.766697	0.0365183	2.52657	1.1987	4.01424	0.30405	7.78565
0.801274	0.0439138	2.69282	1.29943	4.38106	0.32427	8.37833
0.818638	0.049581	2.81864	1.37	4.62469	0.346757	8.76324
0.831094	0.0442562	2.85067	1.38107	4.72411	0.346413	8.9004
0.832441	0.0470938	2.78947	1.35222	4.64264	0.345403	8.80119

0.829957	0.0516645	2.64829	1.285	4.39459	0.331619	8.41864
0.821808	0.0501677	2.44289	1.17609	4.01472	0.305917	7.85982
0.799577	0.0422057	2.18433	1.04041	3.55078	0.277739	7.14655
0.768415	0.0347857	1.90165	0.909514	3.02688	0.22792	6.33781
0.747946	0.0336694	1.61043	0.762178	2.48763	0.183544	5.51245
0.726036	0.0316346	1.3502	0.623193	1.98078	0.141132	4.72954
0.70718	0.0323375	1.13464	0.517167	1.54734	0.106248	4.03254
0.694931	0.0337009	0.95197	0.429403	1.18417	0.0846665	3.44904
0.684584	0.0325681	0.805519	0.353893	0.890539	0.0580483	2.98488
0.690149	0.0376781	0.706255	0.302115	0.665786	0.0427609	2.62152
0.702845	0.0354651	0.646119	0.261338	0.508722	0.0344843	2.36989
0.723058	0.0328066	0.620026	0.2482	0.411423	0.0246101	2.21111
0.762223	0.0336426	0.609941	0.249825	0.353137	0.019643	2.10387
0.807597	0.0337152	0.623811	0.254461	0.323474	0.0204366	2.04502
0.865142	0.0291717	0.664488	0.271784	0.321013	0.0207822	2.03927
0.950853	0.0315156	0.730034	0.296375	0.340413	0.0201965	2.06438
1.05422	0.0436613	0.828442	0.328501	0.379745	0.0229455	2.11901
1.20483	0.0552122	0.978705	0.391818	0.433591	0.0278689	2.20537
1.43591	0.0651619	1.1936	0.477481	0.510566	0.0341381	2.28692
1.77145	0.0719451	1.51542	0.604967	0.617378	0.0435289	2.39367
2.27874	0.0847984	2.01323	0.822775	0.759494	0.0553272	2.55696
3.07655	0.114858	2.75674	1.12624	0.933832	0.0647383	2.76393
4.30867	0.167359	3.87345	1.56708	1.16927	0.0713231	3.01826
6.18951	0.225492	5.48925	2.22595	1.49542	0.091603	3.32548
8.98532	0.318582	7.77966	3.15677	1.91424	0.123485	3.6874
13.0242	0.468534	10.9424	4.4446	2.45534	0.15895	4.1563
18.686	0.651179	15.1334	6.15421	3.13465	0.202013	4.74669
26.2776	0.945931	20.4153	8.31057	4.00558	0.267314	5.46666
36.0684	1.27473	26.7938	10.9232	5.05605	0.354042	6.33902
48.0681	1.66116	34.1742	13.9735	6.27023	0.436557	7.33242
62.1404	2.1598	42.182	17.2683	7.60805	0.53029	8.36714
77.8349	2.68989	50.3936	20.674	8.98722	0.647369	9.44524
94.196	3.26809	58.2255	23.9004	10.3188	0.753848	10.5374
110.173	3.79421	64.94	26.68	11.5096	0.82849	11.5265
124.549	4.37613	70.0198	28.7817	12.4145	0.881681	12.2611
135.845	4.77371	72.878	29.9643	12.951	0.926282	12.7053
143.108	5.02775	73.1562	30.1799	13.0726	0.923292	12.796
145.455	5.11556	70.8242	29.2608	12.7629	0.889428	12.491
142.602	5.03641	66.1622	27.354	12.0228	0.837275	11.8958
134.904	4.82674	59.7257	24.791	10.9309	0.75365	10.9824
123.152	4.30528	51.9951	21.645	9.61012	0.679382	9.84788
108.47	3.72035	43.6741	18.1927	8.15136	0.588674	8.58715
92.1945	3.15397	35.4532	14.8295	6.69027	0.478474	7.39325
75.703	2.5538	27.8149	11.6563	5.30643	0.390249	6.3114
59.9368	2.0304	21.1262	8.83956	4.07131	0.316362	5.25825
45.8596	1.58508	15.4913	6.48717	3.04163	0.224359	4.3699
34.0088	1.18261	11.0078	4.59522	2.21145	0.152987	3.67314

24.4163	0.869565	7.64904	3.19861	1.56974	0.105512	3.15665
17.0133	0.608204	5.19477	2.17265	1.10361	0.0711724	2.77657
11.5521	0.379906	3.49904	1.46057	0.786174	0.0516535	2.50174
7.70807	0.23998	2.39628	0.989606	0.568602	0.0361629	2.3171
5.14452	0.177302	1.70905	0.689266	0.429239	0.0292557	2.21368
3.52825	0.126587	1.33102	0.541336	0.355055	0.0266109	2.16107
2.58904	0.0830851	1.17372	0.473446	0.322755	0.0253118	2.1421
2.14404	0.0747842	1.18866	0.466129	0.319099	0.0196485	2.14668
2.05985	0.0754324	1.34221	0.515734	0.343115	0.0199806	2.14391
2.25991	0.0801706	1.61642	0.621539	0.389441	0.0240918	2.1861
2.70744	0.0867646	2.02064	0.775616	0.453042	0.0315252	2.26176
3.40804	0.112464	2.56754	0.997697	0.544783	0.0374096	2.3543
4.36658	0.156567	3.258	1.27887	0.670624	0.0447566	2.47575
5.63177	0.195426	4.09496	1.59059	0.822397	0.0544719	2.60957
7.19252	0.251477	5.07442	1.96982	0.994912	0.0704468	2.75601
9.01366	0.323583	6.14645	2.3853	1.18411	0.0822348	2.93166
11.0824	0.409603	7.22699	2.81386	1.37734	0.0798762	3.09912
13.2466	0.471928	8.2801	3.25528	1.57448	0.0962844	3.24567
15.3667	0.538853	9.22545	3.62095	1.7567	0.117444	3.40128
17.3661	0.619849	9.94813	3.89783	1.89461	0.115539	3.51214
19.0481	0.674242	10.4021	4.0892	1.99933	0.13196	3.57858
20.208	0.726503	10.5151	4.13564	2.05438	0.144878	3.64308
20.7467	0.714494	10.3162	4.05995	2.02918	0.136225	3.64275
20.6332	0.686782	9.81264	3.87932	1.94405	0.128979	3.56854
19.8924	0.670902	9.00626	3.57199	1.8119	0.116335	3.46459
18.5386	0.62738	8.01591	3.17443	1.64057	0.105987	3.32815
16.723	0.583533	6.92155	2.74412	1.4437	0.0960417	3.1798
14.5656	0.501739	5.77495	2.31308	1.2423	0.08165	3.00898
12.2713	0.412997	4.66078	1.86153	1.04082	0.066141	2.83254
10.0426	0.349927	3.65764	1.4562	0.847344	0.0537372	2.6894
7.93488	0.266115	2.79242	1.10629	0.681468	0.0467017	2.56724
6.06653	0.220508	2.0704	0.811067	0.549258	0.0356838	2.43993
4.51484	0.180521	1.51129	0.591619	0.433533	0.0274243	2.36779
3.27056	0.126859	1.09174	0.431047	0.34861	0.0240066	2.31411
2.29831	0.0883192	0.782046	0.303877	0.286755	0.0182613	2.23318
1.57484	0.0710781	0.567075	0.217378	0.239693	0.0136457	2.22069
1.05527	0.0494537	0.414133	0.160986	0.208033	0.0128152	2.22457
0.703673	0.0314026	0.31655	0.127162	0.188046	0.01153	2.17331
0.476854	0.0253823	0.25107	0.101317	0.175112	0.0111809	2.15809
0.329256	0.0185118	0.213116	0.0888635	0.167986	0.00962738	2.17727
0.231128	0.0146133	0.194014	0.0809568	0.163532	0.0117392	2.17757
0.172857	0.0115835	0.178248	0.0715275	0.161385	0.0115909	2.18562
0.143106	0.00800486	0.172702	0.0721986	0.162679	0.00980729	2.19674
0.126101	0.0101835	0.169672	0.0747933	0.161311	0.0105517	2.21503
0.112878	0.0121306	0.169838	0.077344	0.162557	0.0118261	2.21892
0.10546	0.012742	0.169564	0.0793709	0.165594	0.0122762	2.23852
0.0980207	0.00988317	0.169467	0.0757913	0.169452	0.0121086	2.26687

0.0971087	0.00770268	0.171192	0.0758179	0.170698	0.0118805	2.26679
0.0952662	0.00924388	0.173165	0.0787328	0.170996	0.012848	2.25903
0.0924062	0.0105983	0.174622	0.0787779	0.175085	0.0111951	2.28109
0.0917546	0.00793704	0.177833	0.0828147	0.182862	0.0130785	2.30106
0.0921165	0.00549585	0.181045	0.0860011	0.190733	0.0136419	2.33797
0.0898673	0.00722141	0.183237	0.0858833	0.200782	0.0106478	2.35288
0.0878878	0.0070874	0.192121	0.0890881	0.214852	0.012575	2.40133
0.0897843	0.00506456	0.204621	0.0962997	0.23578	0.01354	2.43386
0.0898014	0.0074409	0.218496	0.109232	0.268041	0.0146619	2.48122
0.0892425	0.00756517	0.239814	0.126027	0.31176	0.0164656	2.57761
0.0902533	0.00888054	0.265511	0.14716	0.37361	0.0213875	2.71033
0.0947633	0.00872779	0.302629	0.194088	0.454766	0.0301856	2.87886
0.100709	0.0110056	0.355038	0.26178	0.566086	0.0386928	3.09635
0.108737	0.0141541	0.418635	0.334223	0.711747	0.0440866	3.39576
0.11304	0.0171639	0.500131	0.432688	0.896421	0.0581731	3.70501
0.121754	0.020825	0.595537	0.559972	1.11604	0.0714759	4.0963
0.137492	0.0262649	0.705957	0.701926	1.36784	0.0907241	4.59449
0.150986	0.0340488	0.827499	0.864483	1.64794	0.103825	5.11626
0.163956	0.0409616	0.949433	1.03914	1.94565	0.120789	5.6217
0.181431	0.0517584	1.07187	1.21251	2.23843	0.14007	6.17742
0.199876	0.0584596	1.18844	1.37194	2.51026	0.164536	6.6782
0.213217	0.0687115	1.28457	1.51914	2.74586	0.171833	7.08747
0.225729	0.0734272	1.34406	1.62555	2.91906	0.185284	7.40739
0.237254	0.0788782	1.37192	1.66773	3.00133	0.19812	7.59811
0.245219	0.089259	1.3705	1.69441	3.01794	0.201733	7.64285
0.251795	0.0957245	1.32953	1.64848	2.9541	0.185573	7.58298
0.255958	0.0866469	1.25985	1.54246	2.79845	0.176453	7.3602
0.247662	0.0827964	1.17047	1.42166	2.57875	0.163032	6.97784
0.23464	0.0813667	1.04754	1.26036	2.29696	0.137901	6.57841
0.229318	0.0808938	0.929903	1.09324	2.00321	0.13354	6.11763
0.220743	0.0665006	0.806283	0.905831	1.70694	0.112303	5.62412
0.207048	0.0522694	0.691258	0.732615	1.41277	0.0849779	5.09845
0.194389	0.0370583	0.58615	0.587295	1.15989	0.071677	4.67631
0.181991	0.0376021	0.494717	0.462323	0.939926	0.058404	4.31514
0.170625	0.0297795	0.415741	0.335834	0.748609	0.0494313	4.04222
0.160793	0.026302	0.359954	0.24821	0.59913	0.0441819	3.86587
0.153482	0.0204461	0.316739	0.200006	0.493103	0.036404	3.63708
0.149322	0.0161264	0.290419	0.163824	0.409486	0.0291076	3.57888
0.139231	0.0132671	0.274148	0.136459	0.349712	0.0242671	3.55219
0.137264	0.0105368	0.250626	0.120827	0.31363	0.0208224	3.50128
0.132414	0.0118896	0.245018	0.111573	0.289759	0.0239937	3.4261
0.130831	0.0140143	0.240974	0.11498	0.272726	0.0257093	3.38189
0.131222	0.0108052	0.24318	0.10871	0.263474	0.0218123	3.38224
0.125637	0.00946786	0.246535	0.105663	0.263743	0.0208935	3.35695
0.124988	0.0118189	0.243467	0.106908	0.265142	0.0172754	3.32365
0.123967	0.0127261	0.244987	0.110067	0.272151	0.0169821	3.34296
0.12186	0.0104646	0.246808	0.108375	0.27929	0.0149712	3.34193

0.123058	0.0108462	0.247076	0.105152	0.291366	0.0244187	3.30676
0.12637	0.0121867	0.252998	0.106551	0.307845	0.022544	3.34272
0.125766	0.0112009	0.261795	0.118868	0.329025	0.0222564	3.35771
0.128551	0.0140629	0.269398	0.121473	0.354547	0.028397	3.36441
0.130737	0.0112497	0.28064	0.128357	0.379885	0.0267315	3.40052
0.133933	0.0111301	0.296098	0.135897	0.41207	0.0326978	3.44747
0.130692	0.0129497	0.308611	0.134725	0.442399	0.0334053	3.48123
0.133694	0.0118204	0.323759	0.149728	0.475895	0.0366609	3.56186
0.137587	0.0115689	0.337564	0.157505	0.51244	0.0377843	3.60963
0.138529	0.0133954	0.351092	0.167931	0.546646	0.0410919	3.6571
0.142767	0.0145518	0.362274	0.179165	0.586065	0.0467371	3.75075
0.14467	0.0132928	0.38375	0.20165	0.627239	0.0489208	3.79071
0.142328	0.0114496	0.407054	0.225756	0.661063	0.0498674	3.89221
0.143778	0.013685	0.426387	0.244071	0.707026	0.041594	3.95707
0.144424	0.0127217	0.446211	0.268689	0.751786	0.042591	4.03181
0.152002	0.0135893	0.460228	0.285813	0.796918	0.0475565	4.12815
0.150444	0.0141152	0.475708	0.304434	0.829703	0.0479264	4.19409
0.152471	0.0163489	0.494587	0.331554	0.868429	0.0487716	4.2507
0.155092	0.017643	0.504033	0.346603	0.89328	0.0497712	4.28171
0.159695	0.021127	0.512556	0.356103	0.890999	0.0503062	4.29754
0.162607	0.0204253	0.509767	0.354734	0.88971	0.0519601	4.26117
0.163466	0.0185693	0.497335	0.349415	0.864481	0.0516863	4.2419
0.165249	0.0185024	0.490542	0.352077	0.831193	0.0492199	4.20328
0.165146	0.0179473	0.478263	0.340979	0.782683	0.0475892	4.09476
0.162119	0.0196238	0.461823	0.338194	0.728379	0.0410541	3.98443
0.162968	0.0163457	0.437558	0.318276	0.667684	0.0294894	3.88418
0.156878	0.0146794	0.408823	0.301095	0.602421	0.0367164	3.7435
0.15257	0.0152804	0.389161	0.292023	0.54394	0.0307304	3.66942
0.148613	0.0139917	0.370002	0.285531	0.490371	0.0291405	3.57853
0.149875	0.0147743	0.352907	0.265869	0.44622	0.0227159	3.44511
0.150155	0.0141225	0.343501	0.26225	0.40526	0.019155	3.37574
0.145958	0.0110783	0.334522	0.257518	0.37417	0.0216121	3.3222
0.142247	0.0106191	0.327766	0.253398	0.349518	0.0197755	3.27709
0.143534	0.0128977	0.320727	0.249955	0.332081	0.0165487	3.28408
0.147571	0.0145961	0.31339	0.237044	0.321084	0.0172092	3.26918
0.145757	0.0149061	0.312009	0.239898	0.316791	0.0212081	3.27252
0.143223	0.0119269	0.314326	0.231058	0.314331	0.0206615	3.24132
0.14271	0.0109012	0.314794	0.216943	0.312989	0.0197039	3.31764
0.148662	0.0121301	0.317321	0.215891	0.31506	0.0196044	3.35709
0.146175	0.0142393	0.318855	0.215501	0.323614	0.0197624	3.33443
0.141352	0.0123073	0.319025	0.208902	0.328031	0.0181358	3.42681
0.145824	0.00935231	0.317346	0.194354	0.33339	0.0191147	3.44265
0.145983	0.012859	0.320002	0.190173	0.335332	0.025755	3.4585
0.148751	0.0145125	0.321852	0.196601	0.346897	0.0249856	3.47428
0.145033	0.0135608	0.324388	0.192799	0.344496	0.0219798	3.52318
0.145449	0.0118917	0.316945	0.178781	0.345533	0.0212615	3.55758
0.147925	0.0135539	0.317279	0.168387	0.345567	0.023398	3.59928

0.149046	0.0151232	0.311428	0.169444	0.345719	0.0236214	3.62263
0.145052	0.0120739	0.321141	0.168793	0.350052	0.0236602	3.65921
0.148941	0.0173923	0.317219	0.157605	0.349658	0.0224828	3.66147
0.148862	0.0163482	0.317117	0.155625	0.354829	0.0249996	3.71966
0.150637	0.0123972	0.321917	0.153044	0.355674	0.0279649	3.75717
0.151626	0.0160471	0.321856	0.154492	0.355803	0.02133	3.84095
0.154435	0.0144171	0.329338	0.153386	0.361652	0.0249951	3.8931
0.152992	0.0148324	0.341486	0.154579	0.379238	0.0280349	3.976
0.154502	0.01426	0.352842	0.157412	0.398063	0.0284992	4.13856
0.15881	0.0130098	0.380094	0.163256	0.420075	0.0325171	4.35679
0.161974	0.015563	0.399441	0.174356	0.445194	0.0359809	4.51281
0.167055	0.0147217	0.437673	0.187232	0.483076	0.0374168	4.78107
0.171432	0.0124857	0.471153	0.213697	0.522551	0.0352422	5.04717
0.176481	0.0151044	0.514686	0.240125	0.572424	0.044832	5.41671
0.184784	0.0134373	0.559292	0.269614	0.626839	0.045095	5.72629
0.192962	0.0148093	0.608603	0.300128	0.674825	0.0532268	6.06146
0.197919	0.0163869	0.651811	0.330972	0.732995	0.0532861	6.39242
0.201462	0.0122642	0.693177	0.3459	0.780308	0.0621752	6.75486
0.209317	0.0193193	0.723231	0.36429	0.828316	0.0593006	6.97735
0.213598	0.0175184	0.746434	0.374711	0.857213	0.0678454	7.15261
0.218603	0.0203201	0.75398	0.387098	0.869193	0.0684601	7.25188
0.228703	0.0170431	0.754823	0.386219	0.88014	0.0647953	7.27763
0.230293	0.0188532	0.735609	0.369397	0.866388	0.0574937	7.24742
0.229489	0.0173821	0.706607	0.351078	0.837922	0.0627825	7.09914
0.233927	0.0188456	0.680182	0.331935	0.803116	0.0587948	6.87438
0.228963	0.0150076	0.647225	0.298023	0.748522	0.0515251	6.58341
0.230005	0.0216778	0.600032	0.267951	0.706264	0.0515851	6.24071
0.232828	0.021338	0.548747	0.24216	0.654641	0.044061	6.00921
0.229174	0.0175924	0.525417	0.220791	0.610766	0.03857	5.71482
0.221265	0.0160429	0.482829	0.192299	0.562102	0.0318643	5.39292
0.219507	0.0195085	0.449678	0.180971	0.53023	0.036165	5.15741
0.228013	0.0179282	0.427808	0.175341	0.492702	0.0308751	4.9542
0.222046	0.0166245	0.408881	0.160208	0.464742	0.031061	4.78852
0.221653	0.0144172	0.394551	0.159007	0.441589	0.0246756	4.65071
0.220926	0.0182145	0.378389	0.15381	0.429736	0.0269686	4.56206
0.221841	0.0163525	0.370679	0.153299	0.415957	0.0247664	4.46882
0.21921	0.0186856	0.364527	0.148449	0.41271	0.0240632	4.44359
0.220505	0.0152808	0.35406	0.139173	0.394001	0.0265526	4.41204
0.215325	0.0176884	0.350381	0.137091	0.393207	0.0219366	4.3556
0.216778	0.0143858	0.358948	0.149811	0.39696	0.0213097	4.34829
0.214662	0.0181113	0.353149	0.147498	0.390084	0.0309783	4.26756
0.215885	0.0139064	0.35065	0.149049	0.390534	0.0227882	4.26594
0.211902	0.0200428	0.347938	0.14198	0.393936	0.0189791	4.27883
0.214447	0.0199218	0.353269	0.146322	0.39138	0.025652	4.273
0.212056	0.0163734	0.354931	0.144917	0.391771	0.0231682	4.26684
0.206556	0.0202983	0.357318	0.147613	0.391167	0.0206284	4.26931
0.207812	0.0174127	0.353341	0.141449	0.390935	0.0279325	4.26516

0.216472	0.0152578	0.359126	0.145813	0.393426	0.0226633	4.29264
0.211488	0.0161351	0.365582	0.155306	0.399975	0.0257843	4.35138
0.213214	0.0156818	0.374822	0.150157	0.403243	0.0234961	4.37902
0.211663	0.0179413	0.381162	0.160368	0.408233	0.0278467	4.42605
0.214777	0.0150893	0.392274	0.156559	0.418365	0.0266725	4.52613
0.221949	0.0150355	0.400222	0.160519	0.432384	0.0263109	4.60651
0.22571	0.0182687	0.4137	0.155322	0.447941	0.0285337	4.81191
0.224718	0.0205449	0.44535	0.186208	0.465081	0.0235906	4.98527
0.227831	0.0202068	0.459381	0.178791	0.49756	0.0340678	5.26262
0.239124	0.017129	0.499573	0.207009	0.527918	0.0307861	5.65283
0.238537	0.0217245	0.548352	0.217352	0.572157	0.0383831	6.01328
0.251113	0.0176954	0.595772	0.243493	0.618863	0.0509835	6.61848
0.256171	0.0214945	0.654659	0.270917	0.682692	0.0615216	7.21887
0.271015	0.0184257	0.7282	0.302188	0.75715	0.0636241	7.97149
0.275798	0.0222717	0.814155	0.337937	0.835002	0.0752566	8.76868
0.295402	0.0223111	0.902858	0.391005	0.923046	0.0914935	9.67787
0.315952	0.0268241	0.994102	0.420639	1.01304	0.0936975	10.6656
0.327325	0.0238547	1.07445	0.459839	1.11107	0.114447	11.591
0.342119	0.0193821	1.15046	0.486367	1.18647	0.126837	12.4324
0.369209	0.028592	1.21077	0.524454	1.26704	0.139877	13.2361
0.373247	0.0239276	1.28295	0.558781	1.33183	0.148101	13.8814
0.392341	0.0215759	1.30148	0.558322	1.36922	0.151423	14.3497
0.410861	0.0253978	1.31823	0.56966	1.37763	0.155605	14.611
0.42209	0.0323473	1.28378	0.539327	1.37145	0.150202	14.4928
0.438091	0.0238554	1.27153	0.539763	1.34302	0.147381	14.2743
0.449086	0.0348606	1.22619	0.51928	1.29643	0.134954	13.8714
0.457838	0.0342788	1.15901	0.506089	1.22615	0.127967	13.2905
0.464444	0.0262884	1.08741	0.468389	1.15124	0.114821	12.746
0.473033	0.0295967	1.01224	0.43391	1.05672	0.097336	11.9609
0.469797	0.026727	0.94856	0.407582	0.98826	0.0975887	11.2457
0.464054	0.0281947	0.875779	0.365666	0.90813	0.0678399	10.5519
0.46515	0.0270696	0.819963	0.357007	0.835077	0.058176	9.91715
0.4688	0.02286	0.764113	0.311116	0.767797	0.0587927	9.50348
0.456843	0.0251147	0.734694	0.320834	0.719934	0.0510806	9.09349
0.442797	0.0195384	0.686322	0.289804	0.681436	0.0511618	8.81822
0.422219	0.0277837	0.668567	0.286091	0.647365	0.0410718	8.61173
0.416284	0.0312156	0.648767	0.286943	0.619381	0.0313908	8.67573
0.397437	0.0305841	0.640278	0.280754	0.607864	0.0389783	8.7262
0.385937	0.0216929	0.642906	0.290999	0.601284	0.031957	8.85314
0.356066	0.0284117	0.636522	0.280235	0.59892	0.0432301	8.95609
0.345045	0.0246834	0.646084	0.294025	0.598874	0.0381895	9.33001
0.326019	0.0180854	0.65544	0.309892	0.617907	0.0446498	9.65088
0.31662	0.0246355	0.671291	0.31542	0.621808	0.0392404	9.99678
0.299395	0.0223628	0.690016	0.329579	0.629226	0.0400584	10.4347
0.289159	0.0217964	0.708301	0.33833	0.656287	0.0424043	10.9676
0.283025	0.0236775	0.732611	0.354816	0.674192	0.0461824	11.5251
0.275868	0.019359	0.767835	0.379215	0.70532	0.0522659	12.2797

0.272521	0.0171116	0.807115	0.400727	0.743744	0.0500931	13.1265
0.269378	0.0227351	0.860383	0.436877	0.782653	0.0550128	14.3142
0.272195	0.0167459	0.945155	0.497787	0.845549	0.0537513	15.9475
0.274476	0.0157399	1.064	0.577313	0.932381	0.0685313	18.1253
0.272904	0.0190724	1.2361	0.694522	1.0681	0.0787304	21.594
0.271792	0.0181558	1.4809	0.837463	1.25639	0.0882433	26.5893
0.284012	0.018211	1.88081	1.09562	1.54329	0.113704	33.982
0.291995	0.0205171	2.45248	1.49893	1.96464	0.129893	44.8513
0.302678	0.0243775	3.28351	2.02708	2.58857	0.187473	60.8162
0.335683	0.0260234	4.46787	2.81763	3.47236	0.233557	83.7091
0.355731	0.0235856	6.08874	3.8666	4.714	0.314095	115.53
0.405823	0.0274803	8.30852	5.33036	6.39116	0.452	159.485
0.451694	0.0346639	11.198	7.16914	8.67245	0.604677	217.491
0.536835	0.0434415	14.9134	9.63513	11.619	0.818885	291.832
0.629114	0.0379553	19.5287	12.6294	15.2631	1.04547	386.63
0.765389	0.0469514	25.0942	16.229	19.7363	1.39397	500.823
0.925909	0.07662	31.5532	20.4737	24.9782	1.74931	635.35
1.1057	0.0844052	38.8303	25.3203	31.0223	2.2071	788.032
1.33524	0.09238	46.5039	30.251	37.4553	2.62381	954.263
1.57232	0.127661	54.4471	35.4681	44.3957	3.15239	1128.13
1.85819	0.132348	62.3304	40.5179	51.2113	3.59605	1304.18
2.15061	0.165043	69.446	45.2448	57.6616	4.04778	1467.9
2.42904	0.183177	75.5149	48.9825	63.4149	4.5032	1613.48
2.68121	0.201296	80.0848	52.115	67.8632	4.80237	1726.77
2.9117	0.225226	82.8787	54.0522	71.0353	5.14113	1806.12
3.08435	0.213983	83.509	54.4057	72.3199	5.08934	1839.23
3.19734	0.231403	82.1536	53.4507	71.8206	5.13461	1827.86
3.26731	0.233598	78.7382	51.316	69.6078	4.89791	1771.84
3.24591	0.232052	73.6831	47.9922	65.7734	4.65259	1673.66
3.14064	0.26008	67.0878	43.7705	60.6819	4.2615	1543.41
2.99782	0.196674	59.7524	38.8979	54.4858	3.82542	1387.29
2.74969	0.201956	51.78	33.5889	47.754	3.38237	1215.92
2.5149	0.190806	43.8766	28.4466	40.8022	2.97603	1039.97
2.23372	0.160146	36.1749	23.5578	34.0506	2.37639	868.368
1.94913	0.146123	29.0978	18.8918	27.7359	1.99148	706.721
1.68283	0.126273	22.9526	14.8644	22.1033	1.61426	562.352
1.44562	0.106121	17.6548	11.4375	17.1603	1.23426	436.835
1.20703	0.0797906	13.3174	8.59378	13.0718	0.907897	331.916
1.02663	0.0812693	9.85315	6.30104	9.74091	0.6897	247.052
0.846431	0.04934	7.15185	4.54584	7.13622	0.501568	179.822
0.729146	0.0418396	5.14876	3.19753	5.18712	0.353035	128.947
0.631396	0.0375157	3.67944	2.24968	3.69742	0.255662	91.16
0.560745	0.0394308	2.63366	1.59079	2.64536	0.192723	63.8324
0.498128	0.0401024	1.90874	1.09133	1.9161	0.142505	44.6391
0.454944	0.0310433	1.41439	0.760179	1.41507	0.0945908	31.4279
0.42886	0.0288671	1.10902	0.581204	1.09306	0.0697589	22.5637
0.409371	0.0235671	0.899481	0.435672	0.865589	0.0506758	16.8046

0.402467	0.0335621	0.762014	0.345078	0.733573	0.0459525	13.0441
0.394832	0.0266795	0.690678	0.297054	0.646375	0.0438198	10.6655
0.382728	0.0240049	0.64285	0.271698	0.593725	0.0352859	9.11927
0.386637	0.0252377	0.603266	0.245015	0.559156	0.033398	8.21384
0.391509	0.0312597	0.599583	0.238052	0.541745	0.0304902	7.5785
0.391369	0.0255311	0.598366	0.233071	0.538124	0.0350722	7.20473
0.390883	0.0278155	0.592209	0.23034	0.533723	0.030353	6.91542
0.392718	0.0245059	0.589347	0.226832	0.525171	0.0291192	6.79009
0.400349	0.0263058	0.59533	0.233519	0.53573	0.0360621	6.69508
0.402413	0.0265483	0.596114	0.234921	0.538841	0.0347248	6.72511
0.4025	0.0308385	0.60782	0.231734	0.545387	0.0258346	6.74992
0.398191	0.0234157	0.613884	0.229863	0.547117	0.0336726	6.74647
0.406334	0.0325259	0.619817	0.236401	0.554814	0.0319455	6.84831
0.406229	0.0267422	0.623023	0.235929	0.557007	0.0315981	6.93522
0.417607	0.0333537	0.647718	0.254377	0.577087	0.031506	7.09056
0.399099	0.0274648	0.662121	0.258567	0.585407	0.0300946	7.25994
0.419612	0.0267127	0.673271	0.258747	0.6	0.0432121	7.53899
0.410395	0.0211471	0.703584	0.290286	0.611641	0.0293485	7.82217
0.418447	0.0267329	0.708888	0.281203	0.643842	0.0385499	8.19344
0.412196	0.0303997	0.739595	0.301332	0.660965	0.0344486	8.64727
0.41821	0.0250826	0.759335	0.308835	0.691799	0.0388221	9.07916
0.418667	0.0217823	0.807327	0.340427	0.7235	0.0313108	9.77474
0.427949	0.0257889	0.863309	0.378356	0.771054	0.0427931	10.6034
0.434326	0.0250777	0.935946	0.415973	0.828402	0.0450555	11.7747
0.426772	0.0268691	1.0259	0.477447	0.904183	0.061527	13.2654
0.429214	0.0234067	1.15593	0.561399	0.997876	0.059365	15.208
0.439701	0.0380626	1.30126	0.644763	1.09916	0.0665797	17.9848
0.442922	0.0244442	1.49538	0.780185	1.27449	0.0666354	21.5895
0.44718	0.0247349	1.78043	0.971858	1.4719	0.0896469	26.2593
0.446651	0.0297062	2.12293	1.19102	1.75276	0.109787	32.6515
0.459183	0.031136	2.57125	1.50111	2.09607	0.126755	40.6804
0.467402	0.0211286	3.14158	1.86912	2.52907	0.157004	50.8736
0.485948	0.0247192	3.81097	2.29614	3.05818	0.202038	63.4304
0.511451	0.0284367	4.62439	2.8827	3.67139	0.236072	78.7432
0.524214	0.0358143	5.55253	3.4974	4.44856	0.268326	96.3723
0.558387	0.0329121	6.59737	4.22566	5.24779	0.342678	116.146
0.574362	0.0316822	7.68635	4.96902	6.1887	0.396635	138.592
0.602703	0.0379904	8.84942	5.67848	7.15376	0.471163	161.535
0.642011	0.0426871	10.0693	6.56095	8.11683	0.565127	184.928
0.692209	0.0379365	11.119	7.31325	9.07257	0.623092	207.521
0.723016	0.044246	12.077	7.87311	9.93753	0.65782	227.669
0.77547	0.0421708	12.8242	8.42015	10.6781	0.719834	244.904
0.801192	0.0512674	13.3564	8.82747	11.1687	0.759952	257.307
0.829224	0.0459896	13.5631	8.97929	11.5207	0.770559	264.628
0.859626	0.0533253	13.5184	8.88322	11.5797	0.799311	266.199
0.851537	0.0530327	13.165	8.68496	11.3738	0.734388	261.42
0.867506	0.0575767	12.5338	8.18672	10.9215	0.731507	251.189

0.862619	0.0542283	11.6903	7.70131	10.3063	0.699595	236.014
0.834795	0.0449096	10.6708	7.03879	9.4857	0.629963	216.574
0.814521	0.0525104	9.50327	6.22659	8.5342	0.546712	194.366
0.770355	0.0444869	8.32558	5.38793	7.52879	0.477244	170.507
0.752082	0.0476568	7.10035	4.59966	6.51319	0.409042	146.092
0.693114	0.035964	5.97529	3.83106	5.52892	0.358424	122.518
0.667821	0.0468528	4.91113	3.09264	4.58497	0.272311	100.704
0.616414	0.0259887	3.9954	2.52666	3.75286	0.245235	80.7752
0.583336	0.0351381	3.18145	1.93281	3.00982	0.202301	63.5225
0.544108	0.0259237	2.52915	1.48653	2.3963	0.152914	48.8703
0.513457	0.0320141	1.99341	1.12943	1.89644	0.12256	37.103
0.496591	0.0348952	1.55696	0.85982	1.48221	0.0885858	27.4214
0.469278	0.0243022	1.24315	0.653621	1.17546	0.0735234	20.0897
0.459781	0.0229088	1.002	0.473882	0.931464	0.0536377	14.4503
0.447451	0.0263791	0.827871	0.376175	0.762029	0.0417242	10.2713
0.442388	0.0270518	0.715281	0.307863	0.635252	0.0400324	7.34005
0.448034	0.0286166	0.629414	0.24693	0.545645	0.0341183	5.28206
0.444267	0.0303522	0.568495	0.20306	0.485222	0.025143	3.80293
0.448898	0.0246633	0.535077	0.204513	0.443073	0.0277336	2.81
0.461794	0.0303523	0.518577	0.18074	0.420569	0.0203859	2.1554
0.466309	0.0255527	0.518244	0.186381	0.404813	0.0185172	1.70763
0.48029	0.0315092	0.515433	0.171158	0.395194	0.0210286	1.46974
0.485308	0.0319769	0.525314	0.182433	0.398716	0.0223021	1.3249
0.510351	0.0366843	0.544744	0.184241	0.397821	0.0220474	1.24488
0.536309	0.0334227	0.557056	0.17743	0.414337	0.0273	1.18049
0.544772	0.0306367	0.594784	0.195431	0.422096	0.0213309	1.19108
0.563274	0.0281968	0.625181	0.199896	0.444381	0.0251995	1.23638
0.591913	0.0354163	0.656972	0.207201	0.469645	0.0274419	1.28319
0.603271	0.0338848	0.685117	0.227717	0.493239	0.0286956	1.37207
0.612546	0.0457993	0.743652	0.231662	0.527581	0.0266672	1.45147
0.620041	0.034554	0.789551	0.252361	0.564041	0.032905	1.60655
0.624411	0.0382925	0.842989	0.26567	0.602645	0.0351019	1.72592
0.637539	0.0355504	0.882957	0.272524	0.633732	0.0283386	1.88319
0.630633	0.0300967	0.936582	0.303103	0.676968	0.0335966	1.99967
0.622165	0.0399371	0.982816	0.300666	0.717428	0.0410803	2.13937
0.620751	0.0396978	1.01527	0.318238	0.743162	0.0379929	2.27426
0.612024	0.0277623	1.04295	0.332268	0.774849	0.0402283	2.38963
0.595935	0.0398092	1.05324	0.325496	0.795191	0.0419099	2.43594
0.579034	0.0376433	1.05159	0.334027	0.799751	0.0351225	2.49378
0.564589	0.0324687	1.0379	0.322286	0.800086	0.0371911	2.44812
0.550919	0.0409481	1.01903	0.312807	0.793677	0.0439895	2.4081
0.549309	0.0304739	0.982069	0.304112	0.779275	0.0408944	2.30001
0.527049	0.0320083	0.940319	0.288827	0.752212	0.040066	2.22659
0.516527	0.0246431	0.904935	0.274978	0.720175	0.0368815	2.09601
0.506816	0.034279	0.841925	0.242702	0.694726	0.0473598	1.95961
0.514774	0.030142	0.793338	0.241323	0.66264	0.0360349	1.82303
0.500613	0.0264534	0.733395	0.211078	0.619974	0.0305857	1.6727

0.494271	0.0367363	0.682971	0.207818	0.590568	0.0297961	1.51928
0.483743	0.0288246	0.643047	0.177283	0.555223	0.0285821	1.3937
0.489656	0.0326344	0.59866	0.170153	0.52272	0.026378	1.27106
0.488864	0.0301915	0.570832	0.155541	0.495409	0.0299286	1.15542
0.487944	0.02942	0.53033	0.15133	0.480254	0.0242672	1.06154
0.49832	0.0318196	0.520843	0.153128	0.460998	0.0236612	0.983258
0.482086	0.0341074	0.498962	0.144355	0.447583	0.0269995	0.928208
0.488836	0.0341462	0.486599	0.139912	0.43303	0.0221468	0.884471
0.492362	0.0274356	0.49061	0.147956	0.438351	0.0233345	0.862443
0.496203	0.0244791	0.480578	0.149696	0.427301	0.0194773	0.819232
0.512617	0.0280552	0.479408	0.131527	0.420731	0.0217608	0.805138
0.519124	0.0321731	0.474126	0.136446	0.420145	0.0252402	0.798861
0.516768	0.0332242	0.476407	0.155449	0.416642	0.0261866	0.777904
0.527857	0.0257864	0.483248	0.144179	0.419566	0.0257975	0.780864
0.52979	0.0347802	0.480016	0.15145	0.417012	0.0263763	0.746201
0.536778	0.0296195	0.474658	0.148185	0.41686	0.0210794	0.786715
0.540895	0.0306319	0.480195	0.158852	0.418636	0.0237086	0.775397
0.531995	0.0315901	0.475304	0.158039	0.416594	0.0218048	0.774744
0.535237	0.0252574	0.47746	0.152936	0.42111	0.0220344	0.752733
0.536276	0.0237866	0.473522	0.163047	0.42287	0.0236016	0.769149
0.531516	0.0303314	0.472632	0.1592	0.41584	0.0254319	0.770274
0.526396	0.0300142	0.48538	0.161049	0.421668	0.027377	0.778586
0.52519	0.031379	0.471373	0.157105	0.421964	0.0213102	0.784047
0.514254	0.0379234	0.477966	0.169525	0.425419	0.0274753	0.754121
0.519105	0.0299345	0.486465	0.164267	0.432035	0.0231981	0.765926
0.508814	0.0327403	0.478165	0.158756	0.434984	0.0281147	0.810545
0.508996	0.0302509	0.487297	0.175054	0.439155	0.0305352	0.803673
0.511892	0.0273709	0.484344	0.160604	0.44598	0.0222155	0.791888
0.506185	0.0282694	0.489376	0.168722	0.447495	0.0272548	0.837824
0.497407	0.0327149	0.49432	0.169731	0.464667	0.0228913	0.833367
0.500387	0.035269	0.518027	0.183827	0.478272	0.0294152	0.850556
0.499985	0.0297676	0.522193	0.195703	0.489796	0.0291557	0.865901
0.500343	0.0290652	0.536164	0.188829	0.518621	0.0349549	0.875445
0.498261	0.031389	0.558857	0.207107	0.547769	0.0316015	0.925844
0.497765	0.0350265	0.585625	0.23621	0.582763	0.0411671	0.921419
0.502759	0.0253394	0.629368	0.273681	0.619892	0.0510425	0.961756
0.508809	0.0309231	0.673551	0.320663	0.69493	0.062944	1.01267
0.507504	0.03	0.719057	0.390201	0.755942	0.0659191	1.05146
0.517793	0.0317664	0.787837	0.456206	0.838393	0.0899002	1.11835
0.498252	0.031584	0.843685	0.562181	0.937492	0.112477	1.13847
0.506567	0.0314694	0.93391	0.676179	1.0405	0.130986	1.24425
0.508302	0.0300906	0.98891	0.754232	1.15632	0.158102	1.32558
0.515181	0.0313064	1.07429	0.876782	1.2703	0.189679	1.40113
0.529988	0.032009	1.14437	0.995855	1.36722	0.195913	1.48866
0.526081	0.0344199	1.20988	1.07572	1.48174	0.224726	1.59662
0.52763	0.0307745	1.27163	1.1586	1.5697	0.249619	1.6247
0.536364	0.0339432	1.29489	1.18967	1.63898	0.272789	1.70562

0.531632	0.029309	1.3385	1.27083	1.70586	0.275156	1.74369
0.535063	0.0317246	1.35964	1.27335	1.73531	0.283197	1.83523
0.536896	0.0292475	1.35041	1.28107	1.73821	0.277698	1.83934
0.552434	0.0300414	1.33018	1.24716	1.70573	0.279185	1.88117
0.537546	0.0317409	1.28768	1.17499	1.65989	0.25917	1.86901
0.545144	0.0341375	1.23	1.08049	1.59759	0.233377	1.86012
0.542429	0.033526	1.16908	0.96387	1.48986	0.226893	1.85729
0.54085	0.0383404	1.10277	0.853312	1.41002	0.207932	1.82167
0.536669	0.0328047	1.02398	0.778528	1.30681	0.168492	1.73524
0.551657	0.0363924	0.948656	0.646707	1.20099	0.157349	1.7022
0.54173	0.0286275	0.895363	0.548919	1.08705	0.131958	1.65866
0.538144	0.0308595	0.83463	0.457803	0.994922	0.101924	1.61889
0.541285	0.0329498	0.776899	0.387428	0.901314	0.0853623	1.55272
0.532176	0.0326602	0.724853	0.309146	0.831519	0.0747444	1.47917
0.540369	0.0314973	0.696221	0.261873	0.757822	0.0561471	1.44727
0.536917	0.0341104	0.671819	0.223943	0.716913	0.0523917	1.37065
0.534042	0.0275518	0.647211	0.185599	0.665203	0.0408354	1.34839
0.535944	0.0321645	0.636295	0.179065	0.643273	0.0361491	1.32006
0.537269	0.0380972	0.622488	0.158603	0.617752	0.0344724	1.2898
0.541942	0.0354047	0.622061	0.153083	0.605531	0.0326515	1.25515
0.544956	0.0357864	0.615849	0.159019	0.59703	0.0367619	1.25327
0.553937	0.0246584	0.611876	0.159146	0.590977	0.0260758	1.19822
0.545372	0.0356501	0.619873	0.148018	0.592555	0.035672	1.18411
0.544355	0.0357503	0.624776	0.147673	0.583833	0.0331898	1.18067
0.560736	0.0349845	0.622067	0.150236	0.590767	0.0304155	1.15946
0.549312	0.0366083	0.618119	0.141224	0.57714	0.03187	1.14244
0.558819	0.0351244	0.611745	0.14296	0.575241	0.0331706	1.0795
0.574146	0.0316236	0.614227	0.14328	0.581716	0.0328236	1.08449
0.580255	0.0338467	0.612009	0.136268	0.571636	0.0325634	1.08347
0.572242	0.0336161	0.612689	0.141323	0.569969	0.0294356	1.03525
0.582454	0.0395294	0.607658	0.145244	0.567852	0.0279797	1.01083
0.578188	0.0377369	0.612127	0.137795	0.575147	0.029943	0.99381
0.5952	0.0361818	0.603396	0.140462	0.565799	0.0316103	0.976633
0.601039	0.0394392	0.608224	0.144292	0.557761	0.0287538	0.962553
0.594709	0.0404258	0.597816	0.138688	0.553078	0.0259733	0.92181
0.609546	0.0347107	0.595259	0.144106	0.551491	0.0246614	0.902105
0.613087	0.0374328	0.60153	0.133839	0.557257	0.0298573	0.883382
0.615333	0.0324741	0.601441	0.144678	0.560626	0.0262672	0.899177
0.620346	0.0405127	0.611387	0.153494	0.555628	0.0243012	0.882492
0.622352	0.0408533	0.620946	0.162644	0.560983	0.0252315	0.887771
0.628185	0.0437528	0.627961	0.172275	0.554395	0.0282828	0.867553
0.632571	0.0307099	0.63401	0.168599	0.563942	0.0249909	0.863166
0.645231	0.0401332	0.649326	0.176988	0.563831	0.022369	0.843882
0.645953	0.0386255	0.665706	0.19208	0.562176	0.0303506	0.84708
0.661167	0.0287804	0.693478	0.203198	0.578075	0.0305456	0.84762
0.663739	0.0340969	0.714067	0.2277	0.574686	0.0297061	0.854713
0.658416	0.0341712	0.74331	0.244872	0.59032	0.0277566	0.859415

0.670306	0.0361895	0.782631	0.271665	0.595018	0.0268647	0.874807
0.674703	0.0536382	0.833295	0.345211	0.607334	0.0246084	0.873661
0.70241	0.0475	0.886086	0.370503	0.622549	0.0279782	0.855433
0.709017	0.0359953	0.950302	0.448881	0.637742	0.0395489	0.866277
0.727361	0.0410253	1.01579	0.519454	0.658244	0.0252317	0.87378
0.737523	0.04234	1.08991	0.626478	0.68022	0.029073	0.868806
0.757445	0.0409128	1.15956	0.70768	0.690951	0.0309533	0.878285
0.78509	0.0448646	1.23475	0.762895	0.709761	0.0315073	0.905859
0.791242	0.0440612	1.31254	0.890275	0.73496	0.0322868	0.909234
0.823496	0.0372528	1.35839	0.910934	0.761322	0.0385169	0.908904
0.838171	0.0347606	1.42465	0.984	0.772592	0.0419272	0.904914
0.873773	0.0504667	1.45991	1.05471	0.782976	0.0385873	0.904824
0.898378	0.0516233	1.48819	1.06608	0.802038	0.0374528	0.92449
0.9108	0.0362479	1.51969	1.10649	0.801071	0.0399719	0.922648
0.922713	0.0385786	1.49514	1.10003	0.803609	0.0399919	0.945498
0.931869	0.0478539	1.47521	1.04079	0.803734	0.0356141	0.952078
0.940912	0.0421535	1.44248	1.01518	0.793625	0.0404826	0.954248
0.935832	0.0477847	1.38278	0.936056	0.788108	0.0312041	0.93508
0.943566	0.0378	1.32366	0.870647	0.781233	0.0341036	0.95352
0.913593	0.0441624	1.26123	0.770662	0.762721	0.0318899	0.94314
0.909733	0.0398984	1.19771	0.680871	0.732957	0.0309219	0.943078
0.8905	0.0394057	1.13699	0.619275	0.72995	0.0335263	0.931594
0.891554	0.046985	1.07128	0.536897	0.720252	0.0347131	0.933707
0.862648	0.0398647	1.0041	0.455542	0.701432	0.0303149	0.947441
0.8515	0.0427416	0.946665	0.377715	0.694321	0.0313268	0.939087
0.829702	0.0408523	0.906628	0.333928	0.677977	0.024378	0.939103
0.815555	0.0521006	0.879364	0.287337	0.678581	0.0314258	0.946684
0.808203	0.0413252	0.839181	0.258425	0.678326	0.0311266	0.958308
0.793894	0.0433545	0.8308	0.247787	0.679137	0.0326687	0.949013
0.776222	0.0411668	0.798891	0.214627	0.684063	0.0310545	0.967529
0.781374	0.0404124	0.799636	0.215137	0.698588	0.0346048	0.968512
0.761058	0.0446235	0.803527	0.203627	0.701736	0.0378198	0.988896
0.778096	0.0411386	0.799592	0.200081	0.713358	0.0342396	0.978078
0.781627	0.0482708	0.798061	0.207915	0.725642	0.0399213	0.98545
0.770627	0.0375871	0.806755	0.209662	0.742234	0.0389345	0.979516
0.765513	0.042357	0.805382	0.207811	0.75511	0.043488	0.982734
0.762918	0.0385652	0.821216	0.222329	0.769763	0.0516984	1.00535
0.779373	0.0404215	0.827639	0.21754	0.790872	0.0557267	0.979685
0.774678	0.032388	0.835826	0.231432	0.799021	0.0515314	1.01182
0.766351	0.0465723	0.836603	0.240888	0.812457	0.0576119	1.00007
0.78033	0.0351847	0.846587	0.244699	0.808818	0.0560944	1.02316
0.780188	0.0421092	0.848216	0.232051	0.812812	0.0490703	1.02922
0.791442	0.0535511	0.833401	0.224358	0.812772	0.0494173	1.01771
0.785988	0.0328184	0.840706	0.213107	0.810021	0.0473145	0.991536
0.78693	0.0429107	0.827206	0.21115	0.79448	0.0523918	1.00753
0.785935	0.0389105	0.817371	0.199197	0.780631	0.0554041	1.03086
0.793247	0.0388883	0.823865	0.197476	0.773339	0.043036	1.0057

0.787463	0.0359528	0.80075	0.1795	0.764456	0.0414102	1.01586
0.784345	0.0370571	0.78361	0.175781	0.739311	0.0459334	0.992877
0.783924	0.047076	0.770144	0.163657	0.729037	0.0391567	1.0136
0.790671	0.0467898	0.767791	0.1518	0.70632	0.0414793	1.01422
0.780129	0.0458087	0.754837	0.147433	0.694102	0.0345143	1.00695
0.785858	0.0442374	0.753482	0.150691	0.683775	0.0370791	1.01983
0.786615	0.0338482	0.737833	0.134942	0.680469	0.0358745	1.01596
0.78751	0.0358372	0.733353	0.138718	0.661868	0.0277433	1.03796
0.783053	0.0321582	0.736682	0.146371	0.655722	0.028933	1.03816
0.799136	0.0349048	0.729038	0.130742	0.652122	0.0270626	1.05905
0.785444	0.0363052	0.726037	0.135859	0.65133	0.0322531	1.06039
0.787049	0.0422475	0.727716	0.149767	0.651284	0.033729	1.0498
0.800235	0.0369471	0.721752	0.132694	0.638651	0.0381901	1.07382
0.781372	0.0387392	0.718816	0.133852	0.641949	0.0268132	1.07844
0.780209	0.0353501	0.736635	0.139074	0.643364	0.033422	1.08473
0.775177	0.0364375	0.721273	0.133605	0.646594	0.0312129	1.06746
0.785519	0.0388733	0.734822	0.135727	0.646846	0.0248489	1.08007
0.788284	0.0400767	0.733244	0.14196	0.657419	0.0241766	1.08251
0.790441	0.0421395	0.729937	0.131416	0.665597	0.0289356	1.07995
0.795409	0.0249923	0.72924	0.143942	0.670428	0.0380079	1.06423
0.788191	0.0381458	0.730188	0.135284	0.662525	0.0263524	1.11017
0.780685	0.0390506	0.735545	0.139352	0.672463	0.0341496	1.08045
0.788784	0.0357649	0.747538	0.142018	0.677414	0.0294717	1.07959
0.781709	0.0338451	0.736735	0.13873	0.684543	0.0304196	1.07958
0.783956	0.0382216	0.737468	0.136263	0.684644	0.0371923	1.08184
0.786749	0.0400844	0.738011	0.141859	0.679519	0.0356973	1.07946
0.789212	0.0456323	0.727222	0.145068	0.686901	0.0294899	1.05841
0.791909	0.0374232	0.734629	0.133522	0.688302	0.0251231	1.06094
0.792617	0.0435274	0.724483	0.134077	0.68462	0.0293682	1.03126
0.777178	0.0378316	0.733996	0.145872	0.693395	0.030544	1.06455
0.790279	0.0342244	0.72602	0.139908	0.683153	0.0294326	1.05593
0.775678	0.0384353	0.730918	0.129962	0.682149	0.0402482	1.02381
0.779416	0.044976	0.725434	0.137848	0.678047	0.0304814	1.02067
0.778754	0.0357754	0.726827	0.138415	0.685153	0.0262581	1.01268
0.78316	0.0332347	0.720961	0.138357	0.673093	0.0326689	1.0084
0.78055	0.0292006	0.716738	0.136979	0.674699	0.0296815	0.998405
0.778849	0.0452984	0.720183	0.134036	0.681583	0.0337241	0.98488
0.787727	0.0401288	0.714937	0.135709	0.676599	0.0311505	0.967675
0.77356	0.0366987	0.723766	0.137797	0.668297	0.0331291	0.961722
0.776739	0.0406859	0.722755	0.139067	0.664218	0.0251892	0.937761
0.777949	0.0417168	0.72116	0.143853	0.665139	0.0270228	0.960729
0.774702	0.0334462	0.716435	0.131352	0.667226	0.0275341	0.926402
0.789741	0.0340262	0.716087	0.132914	0.66951	0.0297782	0.928714
0.785639	0.0387791	0.718934	0.136615	0.665467	0.0286792	0.9465
0.778517	0.0460602	0.734607	0.134218	0.664581	0.0306002	0.902974
0.808252	0.0466859	0.733092	0.134761	0.667679	0.0344616	0.922519
0.800784	0.0478725	0.744234	0.139767	0.673655	0.0302672	0.919786

0.783904	0.0436964	0.744573	0.13331	0.668861	0.0344112	0.920665
0.794798	0.0393305	0.762462	0.148223	0.671129	0.0308896	0.912276
0.809032	0.0449165	0.768666	0.142526	0.676727	0.0357525	0.91997
0.802052	0.0517099	0.765552	0.14826	0.687021	0.0323587	0.908766
0.811904	0.042012	0.77912	0.153408	0.685227	0.033981	0.900545
0.812943	0.0401844	0.786392	0.158904	0.689741	0.0310421	0.925554
0.812696	0.0410657	0.812968	0.176506	0.692693	0.0365423	0.913016
0.833888	0.0494377	0.816414	0.169249	0.69685	0.0327009	0.900185
0.836063	0.0459244	0.829411	0.173577	0.698374	0.0330119	0.930157
0.835401	0.0384831	0.84544	0.192835	0.709967	0.0331612	0.919799
0.838328	0.0404735	0.849123	0.202233	0.714872	0.0381504	0.94526
0.847189	0.0421177	0.860443	0.198454	0.707797	0.0321952	0.939599
0.851799	0.0486422	0.859141	0.198244	0.723566	0.0316049	0.94033
0.857238	0.0393893	0.870909	0.200732	0.712538	0.0369196	0.940332
0.852991	0.0350676	0.859401	0.194125	0.717841	0.0315881	0.974042
0.850693	0.047416	0.868214	0.193462	0.723109	0.0333529	0.971233
0.865483	0.044718	0.862064	0.193508	0.719374	0.0363329	0.993341
0.858223	0.0389013	0.857401	0.195509	0.719015	0.0312001	1.01303
0.8593	0.0420967	0.85567	0.189649	0.72424	0.0315715	1.01052
0.853605	0.0439302	0.855202	0.181887	0.719965	0.037232	1.02556
0.867295	0.038949	0.838969	0.179369	0.72095	0.0298625	1.04035
0.865055	0.0396619	0.835841	0.176211	0.720726	0.0307792	1.04187
0.861049	0.0372425	0.82541	0.171192	0.719136	0.0295647	1.06414
0.867804	0.0433166	0.824565	0.164357	0.708515	0.0247041	1.06025
0.862898	0.0494286	0.825186	0.164061	0.718436	0.0340018	1.09754
0.854558	0.0502689	0.814585	0.168955	0.719436	0.0318268	1.09491
0.855722	0.0438907	0.814766	0.16256	0.71852	0.0319587	1.11349
0.839339	0.042	0.813967	0.17065	0.711138	0.0280039	1.09689
0.856157	0.0472226	0.803786	0.170208	0.71356	0.0307398	1.09555
0.855652	0.0457681	0.799957	0.158512	0.721985	0.0301524	1.10131
0.849431	0.0429653	0.797979	0.167115	0.709227	0.0328855	1.09032
0.850104	0.0419436	0.80069	0.172258	0.711845	0.0351863	1.08696
0.842301	0.0420128	0.809326	0.164399	0.712872	0.0280671	1.08142
0.846107	0.0490515	0.805045	0.177064	0.711479	0.034403	1.0571
0.84826	0.0352851	0.804127	0.173578	0.707507	0.0354975	1.06748
0.852145	0.0398839	0.80737	0.179742	0.711788	0.037729	1.04161
0.854201	0.0492003	0.810845	0.181879	0.707018	0.0366716	1.04078
0.844532	0.044169	0.798011	0.190227	0.708905	0.0335539	1.03523
0.853946	0.0476224	0.808596	0.182214	0.708832	0.0334923	1.01794
0.849007	0.0331306	0.806971	0.182536	0.706142	0.032453	1.03191
0.849937	0.0399491	0.815294	0.199147	0.708845	0.0295526	1.04153
0.867199	0.0457264	0.812051	0.177266	0.712765	0.036666	1.03573
0.853516	0.0452766	0.817246	0.181388	0.707966	0.0288637	1.02032
0.845464	0.0363502	0.822739	0.181395	0.711305	0.0399992	1.01425
0.853684	0.0398429	0.822118	0.183483	0.713941	0.0253115	1.01145
0.84905	0.0426153	0.817531	0.187884	0.712935	0.0292912	1.01758
0.846502	0.0362238	0.836421	0.197195	0.717167	0.0290296	1.00617

0.86067	0.0529792	0.850197	0.198335	0.711094	0.0292947	1.02059
0.853421	0.0345412	0.842858	0.189097	0.720112	0.0278273	1.03144
0.847347	0.0358793	0.850495	0.193995	0.714288	0.0301379	1.03174
0.858604	0.0415698	0.865867	0.196985	0.717287	0.0292258	1.04993
0.872815	0.0411475	0.861771	0.197953	0.715115	0.0298177	1.07736
0.853107	0.0423984	0.887231	0.216329	0.718846	0.0311929	1.06634
0.847318	0.0404679	0.896749	0.226218	0.72494	0.0323231	1.06317
0.858323	0.0458025	0.905682	0.21551	0.731492	0.0347523	1.10891
0.876023	0.0543616	0.915942	0.218414	0.736248	0.0272548	1.11087
0.868542	0.0553168	0.937282	0.225291	0.724204	0.0249918	1.1318
0.870829	0.0405221	0.945953	0.229482	0.735137	0.0380082	1.13074
0.857045	0.0462058	0.966898	0.243463	0.734246	0.0341112	1.16036
0.868709	0.0441931	0.978242	0.25603	0.736558	0.034251	1.17078
0.871892	0.0408822	0.9873	0.260289	0.738809	0.0190936	1.19256
0.866368	0.0429572	0.994345	0.254019	0.745249	0.0345834	1.2179
0.869632	0.0444799	1.00204	0.26438	0.745194	0.0345801	1.2108
0.865805	0.049376	1.01337	0.265655	0.739708	0.0424445	1.22091
0.853362	0.042648	1.00433	0.254088	0.737445	0.0308986	1.21865
0.871804	0.0440495	1.01106	0.250686	0.747547	0.0225416	1.2348
0.863925	0.0504499	0.993926	0.255201	0.743327	0.0300627	1.19801
0.865308	0.039761	0.98799	0.238547	0.743371	0.0358559	1.19837
0.871377	0.042618	0.97499	0.233326	0.735841	0.0333795	1.18177
0.849912	0.044299	0.972421	0.230024	0.735224	0.0282823	1.18666
0.858324	0.0338172	0.957722	0.211239	0.731105	0.0323611	1.17115
0.855068	0.0335291	0.936677	0.194408	0.730836	0.0302855	1.157
0.864126	0.046805	0.925353	0.195784	0.730002	0.029562	1.14864
0.861802	0.0479044	0.925449	0.199726	0.728141	0.0279473	1.12701
0.86135	0.0392057	0.902058	0.180381	0.721787	0.0301479	1.10358
0.858117	0.0383222	0.893303	0.172566	0.715113	0.0259164	1.09992
0.853455	0.0517437	0.873234	0.160783	0.722565	0.0328643	1.08121
0.856188	0.0446416	0.871742	0.154547	0.721182	0.0230258	1.07556
0.85703	0.0426268	0.867935	0.149191	0.715955	0.0350557	1.08293
0.858527	0.0408017	0.845389	0.144241	0.71836	0.0286316	1.0713
0.853067	0.0357398	0.836105	0.142745	0.716552	0.0326043	1.05952
0.854128	0.0495628	0.847955	0.146992	0.718927	0.0367505	1.04883
0.843801	0.043209	0.843494	0.149915	0.716731	0.0247875	1.06748
0.853948	0.0464292	0.847339	0.144127	0.717515	0.0251399	1.04175
0.843348	0.0419318	0.85587	0.14471	0.715825	0.0255594	1.06879
0.844394	0.0415323	0.848781	0.143998	0.711451	0.0302084	1.06407
0.845652	0.0423525	0.846289	0.132769	0.71878	0.0277688	1.06303
0.850051	0.0486715	0.838213	0.14058	0.704012	0.0244001	1.05056
0.843894	0.0417067	0.859614	0.144989	0.718114	0.0286931	1.07249
0.844557	0.0447975	0.859545	0.149222	0.724545	0.0323089	1.06292
0.842529	0.0496598	0.862369	0.148033	0.721147	0.0333808	1.05903
0.838313	0.0419638	0.866186	0.151309	0.724589	0.0316205	1.0814
0.848315	0.0417945	0.883919	0.145	0.725428	0.0279311	1.0648
0.838973	0.046321	0.889876	0.154418	0.729172	0.0362368	1.08351

0.838761	0.0405873	0.89991	0.155976	0.738971	0.0308812	1.0906
0.83377	0.0407967	0.91542	0.164386	0.742791	0.0252031	1.0835
0.831158	0.0371386	0.935867	0.174193	0.748592	0.0331054	1.10682
0.843229	0.0345951	0.959217	0.179748	0.75713	0.027638	1.11421
0.834201	0.0473336	0.981274	0.197279	0.765058	0.0337724	1.10463
0.843699	0.0420765	1.00608	0.209141	0.790836	0.0323537	1.10225
0.840037	0.0391193	1.02648	0.217736	0.79595	0.0325747	1.10271
0.842435	0.0368118	1.06302	0.24548	0.810704	0.0325652	1.1451
0.850208	0.0395694	1.06999	0.270025	0.816246	0.0348637	1.107
0.85989	0.0454629	1.11878	0.279595	0.838417	0.0358857	1.14765
0.861339	0.0386847	1.13113	0.294805	0.859083	0.0416097	1.10211
0.865213	0.0440706	1.16502	0.314963	0.861833	0.0356785	1.13297
0.853685	0.0369935	1.18712	0.339725	0.891038	0.0338984	1.12717
0.881142	0.0492657	1.22379	0.351476	0.893713	0.0347871	1.11716
0.879144	0.0625007	1.20984	0.348049	0.907592	0.0361419	1.12244
0.885408	0.0420382	1.23555	0.354271	0.922391	0.046723	1.13889
0.880438	0.0462595	1.24759	0.38675	0.918394	0.0405443	1.1418
0.891436	0.0437047	1.2275	0.374737	0.929285	0.0468162	1.11709
0.903551	0.0396681	1.23754	0.356521	0.927541	0.0408065	1.12984
0.893358	0.048967	1.21751	0.334865	0.909183	0.0382191	1.12159
0.886757	0.0368487	1.18083	0.326958	0.894833	0.0414884	1.104
0.892582	0.0481696	1.16741	0.318987	0.893038	0.0413067	1.10184
0.891804	0.0444942	1.13209	0.306025	0.878782	0.0415412	1.10011
0.888349	0.0309159	1.08531	0.277784	0.856344	0.0390053	1.10708
0.894446	0.0410535	1.07011	0.242609	0.843562	0.0436084	1.09961
0.878732	0.0393413	1.03335	0.232806	0.826638	0.0363842	1.08177
0.882313	0.0483119	1.00258	0.208957	0.813702	0.0377381	1.09531
0.866698	0.0351767	0.96922	0.194402	0.796864	0.0320749	1.07391
0.869799	0.0465492	0.935213	0.166963	0.777263	0.0354037	1.07253
0.867358	0.0395226	0.922149	0.165633	0.768272	0.0317831	1.08449
0.859306	0.0373821	0.903451	0.144654	0.748851	0.0268741	1.04784
0.842867	0.0369896	0.883075	0.157079	0.746277	0.025915	1.05393
0.856837	0.0509439	0.863838	0.132681	0.732846	0.0304691	1.04825
0.837738	0.0371347	0.856003	0.140007	0.726635	0.0241683	1.06416
0.83811	0.0351286	0.848535	0.130808	0.719701	0.0253746	1.07086
0.838832	0.0374277	0.828674	0.125532	0.71485	0.0327013	1.04174
0.848751	0.0459633	0.819649	0.123414	0.714985	0.029095	1.0591
0.846058	0.0388449	0.824297	0.136975	0.701643	0.0202541	1.06166
0.844326	0.0351475	0.813111	0.122175	0.702861	0.0309218	1.06323
0.839198	0.0451275	0.817037	0.116201	0.698122	0.0304617	1.07278
0.839707	0.0402739	0.798763	0.118049	0.696139	0.0281016	1.06721
0.840237	0.0499812	0.790818	0.110693	0.701742	0.0266436	1.08643
0.851748	0.0436735	0.794178	0.119421	0.70629	0.0251203	1.06473
0.849307	0.039688	0.797483	0.110429	0.702506	0.028947	1.07778
0.845985	0.0446901	0.786389	0.124538	0.704491	0.0210866	1.10001
0.849418	0.0425667	0.787815	0.106729	0.705542	0.0324214	1.09557
0.846145	0.0390052	0.782223	0.113574	0.699081	0.0218965	1.08669

0.848405	0.0486996	0.791952	0.113482	0.702396	0.0281725	1.11935
0.847176	0.0405875	0.778199	0.0996043	0.703765	0.0289203	1.10632
0.843671	0.0335678	0.776456	0.115113	0.702822	0.0302031	1.1155
0.847196	0.0346854	0.774346	0.105477	0.700633	0.0329531	1.11526
0.847905	0.0429883	0.777764	0.0961469	0.700899	0.0254439	1.1319
0.846509	0.036298	0.77053	0.101629	0.705892	0.0341651	1.14594
0.858672	0.0421144	0.76479	0.0937145	0.694743	0.026982	1.14453
0.857593	0.0378118	0.771483	0.100086	0.70085	0.0216479	1.1443
0.853528	0.033279	0.774001	0.0979894	0.696218	0.0311815	1.1416
0.869	0.0469867	0.760395	0.0972726	0.702476	0.030837	1.13957
0.860515	0.0455446	0.774867	0.0964683	0.700712	0.0304849	1.13758
0.85465	0.0447772	0.767705	0.0922729	0.694378	0.029144	1.14056
0.860897	0.0417809	0.757497	0.0983181	0.700386	0.0314289	1.15091
0.855308	0.0460532	0.75302	0.0959541	0.690117	0.0238111	1.14328
0.86099	0.0476998	0.758861	0.0753228	0.696919	0.030694	1.14385
0.862828	0.0399831	0.765624	0.0813003	0.693261	0.032249	1.15457
0.873284	0.048336	0.768717	0.102223	0.701802	0.0335086	1.1537
0.864503	0.0461755	0.761568	0.0875149	0.696155	0.0311945	1.15699
0.866981	0.0332354	0.759973	0.0858791	0.69073	0.0369788	1.15963
0.8529	0.0410277	0.757045	0.0809012	0.695479	0.0304133	1.14709
0.870564	0.0374355	0.756142	0.0913569	0.698649	0.033883	1.11514
0.856012	0.0463113	0.750202	0.0797283	0.694988	0.026924	1.12214
0.867813	0.0355794	0.758161	0.0985121	0.695845	0.0262428	1.12835
0.874754	0.0388627	0.758526	0.09003	0.697511	0.0248502	1.10186
0.861233	0.039427	0.771722	0.0940057	0.692267	0.0246872	1.10476
0.854731	0.046543	0.74656	0.0889708	0.692319	0.0272955	1.06819
0.85619	0.045326	0.757397	0.0890688	0.70102	0.0240955	1.07193
0.867438	0.0408561	0.756824	0.0802817	0.696353	0.0285281	1.07148
0.864015	0.0438959	0.762742	0.0807595	0.697337	0.0315426	1.06125
0.849034	0.0427056	0.765809	0.0950346	0.687316	0.0253184	1.03774
0.86661	0.0383892	0.756739	0.0873904	0.695534	0.0320336	1.04277
0.859966	0.0380701	0.751974	0.0817807	0.699814	0.0288414	1.03306
0.865129	0.0434513	0.760163	0.0923333	0.698703	0.0286132	1.0367
0.862237	0.0432781	0.754556	0.0878169	0.68638	0.026779	1.02273
0.844717	0.0438368	0.756307	0.0833338	0.693927	0.0244874	1.02491
0.842625	0.0456076	0.748639	0.0886789	0.693029	0.0336311	1.01309
0.857397	0.0460697	0.749095	0.0794184	0.693304	0.0284076	1.00885
0.851467	0.0365942	0.760805	0.0824528	0.702695	0.0317771	1.03458
0.863979	0.0406875	0.765323	0.090687	0.700902	0.0308868	1.0037
0.851104	0.0410449	0.754201	0.0844634	0.69778	0.0265069	0.985522
0.838598	0.0380401	0.75886	0.0912683	0.702056	0.0311756	0.999847
0.854898	0.0439535	0.775262	0.0888096	0.693208	0.0263698	1.00357
0.838285	0.0403687	0.76248	0.0898088	0.697536	0.0263979	1.01301
0.841855	0.0450822	0.759262	0.0860805	0.698726	0.0361966	1.01291
0.84438	0.0369434	0.759837	0.0848015	0.694243	0.0311507	1.00419
0.849254	0.0342205	0.752601	0.0831129	0.694155	0.0261458	1.02123
0.848752	0.0458902	0.759122	0.082373	0.696458	0.0201736	0.999229

0.850698	0.039333	0.755372	0.0833492	0.699124	0.0310885	0.98843
0.840479	0.0396731	0.758216	0.0689831	0.695741	0.0284452	1.00086
0.843469	0.0359548	0.748287	0.0779699	0.688628	0.0256525	1.00632
0.846546	0.039098	0.744384	0.077764	0.686768	0.0340516	0.992557
0.831275	0.0428439	0.766669	0.0889948	0.691812	0.0237556	0.987002
0.833879	0.0401753	0.752488	0.0836813	0.695532	0.0253376	1.00611
0.842216	0.048601	0.751991	0.0824023	0.702011	0.0270836	0.97565
0.834308	0.0489264	0.747929	0.0743534	0.690045	0.0271741	0.982012
0.848004	0.0345427	0.755709	0.0894492	0.692579	0.0257379	0.993897
0.832748	0.0374267	0.756003	0.0817325	0.689247	0.0250636	0.985412
0.834295	0.0359662	0.757052	0.0814349	0.691871	0.0311492	0.987554
0.8285	0.0434347	0.750756	0.090324	0.688852	0.033251	0.976179
0.83892	0.0444121	0.757372	0.0854812	0.694673	0.024009	0.982074
0.834213	0.0368092	0.755834	0.0838391	0.688665	0.0217652	0.982044
0.848231	0.0481967	0.744028	0.078823	0.687473	0.025644	0.982391
0.840758	0.0333417	0.748038	0.0762145	0.683085	0.0269587	0.989911
0.836375	0.0401974	0.740602	0.0796954	0.684688	0.0264757	0.962672
0.837	0.0491307	0.740433	0.0670427	0.683765	0.0249843	0.988446
0.831435	0.0455257	0.752252	0.0733748	0.695193	0.0250323	0.989052
0.823336	0.0392367	0.757627	0.0880767	0.684336	0.0289141	0.966383
0.844217	0.0428871	0.754056	0.0850616	0.687841	0.0299674	0.988633
0.834626	0.0339781	0.749482	0.0825474	0.692437	0.0263481	0.98133
0.820977	0.0456489	0.751893	0.0842839	0.686756	0.0236223	0.9893
0.832424	0.0494099	0.747514	0.0821669	0.683664	0.0326996	0.991356
0.835103	0.0405389	0.745301	0.0790531	0.686959	0.0278028	0.988734
0.841842	0.0490687	0.751951	0.0716439	0.682268	0.0278231	0.979042
0.834478	0.0321205	0.755104	0.0800713	0.682919	0.0271465	1.00373
0.831536	0.0409308	0.743936	0.0860862	0.68318	0.0204316	1.01535
0.829607	0.0469951	0.753107	0.0835957	0.690232	0.0305405	0.987903
0.839029	0.0457984	0.738081	0.0796088	0.684955	0.0170511	0.995297
0.833083	0.0386086	0.752501	0.0801323	0.681625	0.0316106	0.990568
0.828297	0.0341597	0.746173	0.085734	0.679854	0.0230431	0.998897
0.833078	0.0361229	0.743515	0.0868761	0.68362	0.0308558	1.02251
0.8285	0.0342609	0.753235	0.0766919	0.684403	0.0231436	1.01524
0.842399	0.0380671	0.754956	0.0798846	0.680625	0.0222828	1.02048
0.839311	0.0342687	0.758077	0.0858088	0.68766	0.0231338	1.03945
0.843657	0.0384446	0.749745	0.0838562	0.679469	0.0285783	1.04168
0.833385	0.0336941	0.755127	0.0810219	0.678194	0.0273453	1.03671
0.82016	0.0308444	0.752118	0.0810168	0.682189	0.0219686	1.02313
0.841726	0.046134	0.751212	0.0766755	0.68437	0.0269283	1.04384
0.842455	0.0413516	0.761375	0.0831553	0.683583	0.025813	1.05906
0.827631	0.0335236	0.755184	0.0828283	0.684124	0.0222621	1.05177
0.824714	0.0391878	0.759304	0.08703	0.681248	0.0287762	1.04885
0.830326	0.0373922	0.749479	0.0894545	0.68555	0.0259845	1.05046
0.828435	0.0404531	0.750219	0.0838986	0.679222	0.0234373	1.06252
0.82206	0.0451394	0.753951	0.0940546	0.686463	0.0274068	1.05948
0.825563	0.0407062	0.749282	0.0776435	0.679307	0.0233716	1.06082

0.825658	0.0386597	0.748458	0.0810592	0.675879	0.0299834	1.06929
0.824935	0.0356302	0.758154	0.0848329	0.672244	0.0274505	1.04552
0.817907	0.0395812	0.754149	0.0853794	0.683287	0.0341036	1.05346
0.805257	0.0335708	0.754	0.0823324	0.676053	0.0322457	1.04534
0.816671	0.0295689	0.74712	0.0847006	0.675015	0.0282661	1.03937
0.815968	0.042772	0.751255	0.0881886	0.678801	0.0331338	1.02066
0.809455	0.0346701	0.75294	0.0758733	0.667439	0.0240804	1.02289
0.812395	0.037794	0.751902	0.0829328	0.673907	0.0246692	1.02093
0.809081	0.039483	0.746908	0.0830064	0.66796	0.0324558	1.00563
0.816266	0.0410126	0.751915	0.0885602	0.671241	0.0232935	1.01967
0.806826	0.0447412	0.75722	0.0938217	0.664238	0.0263118	0.997414
0.80421	0.0419473	0.750246	0.0890714	0.672513	0.0257943	0.990956
0.802999	0.0340117	0.745323	0.0870138	0.673945	0.0245345	0.989588
0.796246	0.0412301	0.746282	0.0814619	0.670986	0.0240971	0.9851
0.80549	0.0365467	0.744798	0.0823383	0.667133	0.0215928	0.977756
0.803771	0.0461712	0.748338	0.0841383	0.669752	0.0245446	0.961601
0.800426	0.0332329	0.741782	0.0812553	0.663595	0.0212996	0.968869
0.797057	0.0308849	0.75237	0.0857508	0.658196	0.0221678	0.974919
0.79206	0.0370994	0.740037	0.0845546	0.664438	0.0275852	0.945913
0.785618	0.0376571	0.734139	0.0800211	0.662822	0.0273123	0.945732
0.785065	0.0338744	0.734217	0.0810967	0.656889	0.0245335	0.955708
0.795263	0.0414314	0.744698	0.0841562	0.657953	0.0224908	0.93932
0.793077	0.0377466	0.730524	0.0753256	0.649966	0.0274046	0.958892
0.794192	0.0421001	0.736745	0.0778362	0.656601	0.0269177	0.95587
0.783169	0.028723	0.739094	0.0904415	0.65244	0.0261344	0.928793
0.78685	0.0301117	0.731237	0.0805684	0.654708	0.0289357	0.949125
0.778919	0.045914	0.735003	0.0897039	0.653351	0.0260107	0.959145
0.787884	0.030787	0.737207	0.0857049	0.644545	0.0261581	0.953538
0.773412	0.0426539	0.738429	0.077185	0.646603	0.0209794	0.941718
0.785745	0.0506185	0.730174	0.0805476	0.647903	0.0234109	0.943891
0.781002	0.0505028	0.724081	0.0788281	0.651014	0.0239913	0.956998
0.757036	0.0415234	0.723354	0.0780007	0.648255	0.0227642	0.983028
0.773511	0.0469891	0.730283	0.0797259	0.640983	0.0328041	0.948502
0.770256	0.032475	0.719206	0.0681826	0.647186	0.0210487	0.967639
0.767002	0.0327726	0.729588	0.0796526	0.647385	0.028097	0.980438
0.768627	0.0425142	0.724627	0.0813631	0.642634	0.0196635	0.989709
0.764625	0.0396065	0.728265	0.0694427	0.646017	0.0261809	0.99585
0.762762	0.0376237	0.727828	0.08045	0.646924	0.0174005	1.01001
0.763434	0.0479703	0.734785	0.0753034	0.639929	0.0239284	1.02196
0.766899	0.0389631	0.729746	0.075493	0.638999	0.0289283	1.03191
0.753749	0.0400127	0.734033	0.0800045	0.634123	0.0276001	1.03928
0.751424	0.0437233	0.719298	0.076855	0.638564	0.0240001	1.07124
0.759219	0.0417551	0.724189	0.0747195	0.639499	0.0316636	1.06819
0.754418	0.0328176	0.727065	0.0757341	0.638032	0.0188277	1.09198
0.758648	0.0366057	0.724075	0.0673161	0.634491	0.0193622	1.10951
0.747859	0.03344	0.737494	0.0801671	0.634876	0.0223892	1.12602
0.743691	0.0358288	0.727693	0.0745392	0.636828	0.0259215	1.12639

0.747686	0.0348459	0.723219	0.0684382	0.64218	0.0256609	1.14928
0.750112	0.0327794	0.715126	0.0739055	0.638747	0.0216749	1.13131
0.744809	0.0394794	0.72433	0.0691531	0.629723	0.0176872	1.14087
0.746438	0.0346799	0.718809	0.071447	0.629433	0.0242888	1.16072
0.732498	0.0431975	0.717122	0.0733727	0.628465	0.0229791	1.16258
0.736583	0.0394093	0.722596	0.0754474	0.630136	0.017723	1.16346
0.734938	0.0380376	0.714446	0.067822	0.630273	0.0198326	1.14189
0.733256	0.0360894	0.711265	0.065246	0.624361	0.0242521	1.14423
0.733258	0.0379431	0.714533	0.0669621	0.62682	0.0226309	1.14109
0.730751	0.0328783	0.701786	0.0703251	0.625511	0.0253043	1.11414
0.739689	0.0355194	0.709804	0.0660481	0.625334	0.0239826	1.1029
0.747122	0.0420051	0.709313	0.0755712	0.628296	0.0184486	1.10315
0.738511	0.0301019	0.704076	0.0708757	0.621802	0.0226274	1.10417
0.735766	0.0424107	0.699742	0.0687401	0.624912	0.0268837	1.06636
0.719198	0.0322756	0.705685	0.0714102	0.621073	0.0243621	1.08519
0.728386	0.0339125	0.709119	0.0720991	0.621815	0.0241458	1.08389
0.723433	0.037033	0.705671	0.0691752	0.622531	0.01532	1.0895
0.729049	0.0341901	0.712302	0.0763456	0.627519	0.0155805	1.08195
0.714672	0.0294171	0.709547	0.0722268	0.625239	0.0206732	1.08232
0.73132	0.0391078	0.722338	0.0664469	0.620262	0.0193316	1.08603
0.730561	0.0337336	0.719872	0.079288	0.627074	0.0285975	1.0939
0.721762	0.0359656	0.755779	0.0815532	0.631445	0.0243965	1.12916
0.710792	0.037101	0.755805	0.0958036	0.639595	0.0261488	1.13636
0.718703	0.0346457	0.761948	0.0948172	0.642864	0.0178237	1.17701
0.729363	0.0377169	0.781665	0.108151	0.658261	0.0248233	1.20445
0.710576	0.0406256	0.794135	0.099376	0.665879	0.026188	1.24548
0.724276	0.0346723	0.805401	0.123186	0.67681	0.0237303	1.33753
0.725914	0.0364443	0.831074	0.138421	0.676028	0.0270242	1.42618
0.726804	0.0311733	0.852404	0.136987	0.690814	0.0293292	1.52736
0.73818	0.0334408	0.868738	0.153976	0.687827	0.0255392	1.6628
0.735685	0.0449901	0.876392	0.150301	0.711304	0.0291339	1.85093
0.739028	0.0442798	0.905673	0.16318	0.714815	0.0288643	2.10893
0.750783	0.0415977	0.906236	0.163825	0.72281	0.0359531	2.36145
0.739918	0.0343087	0.925237	0.166909	0.733119	0.0309053	2.72176
0.743519	0.0387593	0.942438	0.189027	0.742868	0.0331614	3.2249
0.744245	0.0405671	0.939159	0.188828	0.751805	0.0350246	3.77616
0.745565	0.0296239	0.934928	0.175309	0.748469	0.0346737	4.35815
0.742393	0.0383868	0.947725	0.178176	0.752844	0.0293195	5.10259
0.750577	0.0340317	0.942869	0.184649	0.751573	0.0364931	6.00072
0.753851	0.0384571	0.932918	0.182092	0.751382	0.0270949	6.85881
0.738608	0.0320571	0.910807	0.174765	0.738866	0.0267356	7.97525
0.743537	0.0382348	0.902172	0.168839	0.744829	0.0317572	9.15766
0.734513	0.039927	0.903372	0.183615	0.739332	0.0295949	10.4108
0.737462	0.0331416	0.887023	0.162968	0.735849	0.0320166	11.69
0.732495	0.0369019	0.885289	0.1597	0.729349	0.0245465	12.934
0.732133	0.0382046	0.865427	0.16748	0.732734	0.0297742	14.293
0.712374	0.0290937	0.855914	0.183598	0.724037	0.0249492	15.4947

0.724592	0.0406875	0.849209	0.182693	0.721315	0.0246897	16.6514
0.713781	0.0276943	0.831647	0.185818	0.716888	0.0289356	17.6194
0.699677	0.0386789	0.826746	0.182289	0.718804	0.0329662	18.5174
0.703071	0.0356178	0.832983	0.194977	0.702991	0.0373228	19.2301
0.704591	0.0387725	0.809462	0.177388	0.69945	0.0327313	19.7861
0.690454	0.0260051	0.79719	0.188334	0.698019	0.0288447	19.9108
0.682903	0.0394224	0.790752	0.200675	0.702785	0.0319859	19.9456
0.688745	0.0310815	0.784081	0.176859	0.696859	0.0253275	19.6697
0.680676	0.0356054	0.772915	0.171676	0.675152	0.0285855	19.0416
0.67357	0.0396407	0.754436	0.16982	0.679877	0.0286356	18.4268
0.679237	0.0360753	0.744211	0.147853	0.669471	0.0298475	17.4087
0.667754	0.042197	0.733195	0.151784	0.653461	0.0300205	16.2454
0.665785	0.0337319	0.726888	0.131735	0.65221	0.022735	15.0644
0.663807	0.0331811	0.715625	0.134607	0.644678	0.0332739	13.7368
0.667833	0.0343418	0.70541	0.123093	0.637838	0.0303985	12.4629
0.670583	0.0285583	0.688001	0.105763	0.619389	0.0263769	11.0974
0.66528	0.0287997	0.68204	0.094568	0.62252	0.0239757	9.85888
0.650799	0.0415258	0.682779	0.0883349	0.610292	0.0240986	8.54868
0.664775	0.0356457	0.663897	0.076942	0.60255	0.0244727	7.42176
0.661938	0.0261695	0.664949	0.0751326	0.596611	0.0286461	6.40743
0.664496	0.0409443	0.661744	0.0723697	0.591498	0.0172249	5.41277
0.663474	0.0364521	0.652634	0.0636212	0.578307	0.0233367	4.60072
0.654036	0.0366044	0.643516	0.0609519	0.582717	0.018595	3.87436
0.654275	0.0357727	0.640515	0.0638706	0.569322	0.0255036	3.24846
0.64794	0.0331241	0.632877	0.0615648	0.582413	0.0231746	2.75451
0.648437	0.0330404	0.631078	0.0503339	0.568815	0.0223753	2.34713
0.64517	0.0295818	0.626496	0.0551879	0.560817	0.0179258	1.97609
0.639766	0.0319626	0.623867	0.0550159	0.559627	0.0180242	1.72792
0.644024	0.0388813	0.632668	0.0592187	0.55616	0.0222186	1.51612
0.648865	0.029835	0.615777	0.052055	0.556851	0.0217917	1.35475
0.639032	0.0378634	0.617149	0.0449052	0.54975	0.0238493	1.22993
0.642343	0.0358957	0.602195	0.0517908	0.550632	0.024473	1.1115
0.645051	0.0320855	0.610354	0.0589274	0.541489	0.0210899	1.06625
0.640542	0.0328498	0.596479	0.0509776	0.541647	0.0163035	0.978749
0.633393	0.0313291	0.605792	0.0573135	0.540513	0.019801	0.98021
0.62859	0.034828	0.596228	0.0548478	0.54343	0.0170563	0.958205
0.635022	0.0365342	0.596774	0.0490531	0.530204	0.0239378	0.936563
0.625513	0.034567	0.603644	0.0510916	0.535502	0.0214428	0.932248
0.633564	0.0424712	0.588308	0.0542987	0.535178	0.02105	0.909832
0.628083	0.038744	0.594361	0.0587719	0.53717	0.0197314	0.915826
0.624813	0.0324154	0.589111	0.0591209	0.52771	0.0208022	0.929077
0.619539	0.0343992	0.586629	0.0481403	0.533067	0.0274892	0.943794
0.606679	0.0299114	0.577892	0.0516572	0.535807	0.0162889	0.937044
0.614601	0.0374819	0.583531	0.0546829	0.527536	0.0264317	0.960615
0.625925	0.0317952	0.58375	0.0462009	0.535477	0.0263291	0.992792
0.622233	0.0292699	0.591554	0.0502923	0.542041	0.0203571	1.01302
0.621663	0.029896	0.582961	0.0529576	0.531841	0.0237867	1.07792

0.620508	0.039744	0.596248	0.0549721	0.543153	0.0193075	1.10778
0.614682	0.0334725	0.587777	0.0452224	0.539274	0.0197647	1.1901
0.609719	0.025528	0.593574	0.0509285	0.551105	0.018239	1.25518
0.613734	0.0296645	0.600772	0.0571594	0.56053	0.0239728	1.36526
0.59804	0.0348238	0.596632	0.0559654	0.560607	0.0220581	1.47078
0.618982	0.0294414	0.601026	0.0496656	0.569074	0.0225895	1.60108
0.602109	0.0292139	0.608787	0.0562048	0.579576	0.0254877	1.7815
0.607041	0.0342343	0.618276	0.0562014	0.58984	0.0250529	1.96471
0.60642	0.0335709	0.617727	0.0614559	0.605095	0.0218077	2.16063
0.606957	0.0298983	0.622461	0.0619909	0.609842	0.0200211	2.44111
0.613392	0.0307011	0.631775	0.0553196	0.620486	0.0262991	2.70057
0.60149	0.0306966	0.637709	0.0569245	0.625527	0.0228424	2.99544
0.603475	0.0393442	0.633364	0.0691568	0.638452	0.0192358	3.32111
0.611593	0.0296038	0.656142	0.0596698	0.645767	0.0227322	3.65218
0.61281	0.0297517	0.648407	0.0681567	0.659877	0.0332556	4.02041
0.614398	0.0310258	0.655743	0.0745524	0.656985	0.0238707	4.39351
0.593953	0.0301143	0.660074	0.0790826	0.665453	0.0271433	4.70981
0.609395	0.0327554	0.661361	0.0818789	0.671237	0.0274619	5.06449
0.608117	0.0324191	0.663163	0.0793838	0.672053	0.025753	5.4101
0.61434	0.0283861	0.652426	0.0834511	0.677183	0.0261565	5.67749
0.605251	0.039904	0.661119	0.0777708	0.674386	0.0232831	5.92372
0.609052	0.0264609	0.65875	0.0799503	0.664594	0.02232	6.12288
0.609565	0.0261956	0.648183	0.0789853	0.659947	0.0222867	6.26816
0.59914	0.0351034	0.642011	0.078528	0.656922	0.0259684	6.32932
0.600031	0.0340094	0.647753	0.0807222	0.647124	0.0241592	6.35545
0.597082	0.0289319	0.632436	0.0897514	0.634078	0.0213865	6.31338
0.59975	0.0371901	0.619723	0.0753907	0.621902	0.0301133	6.14225
0.59224	0.0309263	0.61659	0.0792393	0.609553	0.0219439	5.9413
0.597002	0.0304517	0.604207	0.0713427	0.595348	0.022154	5.66514
0.608273	0.0305447	0.605137	0.0693262	0.596438	0.0214175	5.3918
0.60161	0.028748	0.603013	0.0629592	0.586642	0.021806	5.02486
0.588488	0.0331903	0.586905	0.0708599	0.572361	0.0228293	4.69165
0.597193	0.0282843	0.583625	0.0645817	0.551619	0.0230587	4.2813
0.594522	0.0427784	0.568334	0.0524075	0.540237	0.0277448	3.91646
0.593506	0.0324615	0.566475	0.0568623	0.539734	0.0184303	3.51161
0.592461	0.0319687	0.566968	0.054817	0.527073	0.0252717	3.14936
0.58575	0.0314932	0.554559	0.046988	0.515377	0.0253253	2.82189
0.587034	0.0360401	0.555491	0.0501238	0.510168	0.0231998	2.52594
0.58191	0.0306646	0.555895	0.0488575	0.508161	0.017746	2.19163
0.5894	0.029097	0.540405	0.0482158	0.502149	0.0209656	1.9357
0.584979	0.0356675	0.546107	0.0410864	0.501401	0.0192098	1.69319
0.578005	0.0240229	0.54062	0.0464164	0.503664	0.0198472	1.49548
0.587613	0.0299813	0.535916	0.0420626	0.491831	0.0176484	1.33914
0.574736	0.0330834	0.534618	0.0389236	0.495323	0.0181018	1.19083
0.580404	0.0252783	0.534459	0.0445016	0.488674	0.0176775	1.08747
0.579819	0.0291071	0.529715	0.0501465	0.485496	0.0171217	0.976335
0.581624	0.0315587	0.537392	0.0442005	0.484122	0.0205107	0.873897

0.589563	0.0253373	0.529009	0.0453839	0.480207	0.0201236	0.824656
0.584381	0.0320799	0.52544	0.0435471	0.48043	0.0164074	0.799983
0.569007	0.0275484	0.533882	0.0485008	0.482525	0.020327	0.742294
0.573777	0.0308751	0.530613	0.044285	0.482783	0.015954	0.724025
0.569933	0.0381553	0.520676	0.0413471	0.484451	0.0205903	0.693485
0.571889	0.027839	0.526934	0.0401845	0.486831	0.0199457	0.683843
0.569986	0.0246392	0.527039	0.0382143	0.483226	0.0227057	0.685132
0.57006	0.0299981	0.531536	0.0483228	0.478115	0.0197927	0.669163
0.566935	0.0291506	0.524828	0.0368536	0.478388	0.0172519	0.680042
0.571812	0.0373532	0.531839	0.0424754	0.477432	0.0197527	0.664942
0.56695	0.0341429	0.52083	0.0401548	0.475035	0.0204272	0.688814
0.574429	0.037602	0.519195	0.0432336	0.480238	0.0156208	0.670131
0.568419	0.0308518	0.524907	0.0392914	0.479423	0.0221413	0.65997
0.565168	0.0362642	0.520634	0.0462192	0.477552	0.0160699	0.672836
0.572088	0.0308017	0.526279	0.0408813	0.480002	0.0212488	0.669566
0.572505	0.0247762	0.530804	0.0511775	0.476006	0.0212077	0.684012
0.575143	0.036004	0.525998	0.0370907	0.477457	0.0184031	0.675455
0.568843	0.0284158	0.526204	0.0363077	0.472365	0.0219761	0.69468
0.570164	0.0264156	0.515405	0.0392834	0.482979	0.0207571	0.704468
0.570641	0.0311307	0.526213	0.035758	0.478818	0.0189188	0.689886
0.567125	0.0322773	0.527389	0.0313657	0.485167	0.0178833	0.710064
0.579777	0.0284526	0.52375	0.0410753	0.4867	0.0206228	0.711096
0.584805	0.0296736	0.527475	0.0412664	0.489769	0.0212398	0.734439
0.593259	0.0269557	0.5244	0.047902	0.491853	0.0207333	0.742899
0.596197	0.0293207	0.545304	0.0440849	0.503384	0.0209922	0.748141
0.609112	0.0428777	0.541754	0.0407442	0.516451	0.0248607	0.772615
0.620558	0.0300785	0.546754	0.0468355	0.522708	0.0212328	0.78676
0.642015	0.0398168	0.563838	0.046337	0.544748	0.0242525	0.781597
0.667338	0.0307963	0.578769	0.0473522	0.562022	0.0264694	0.866774
0.689825	0.0375692	0.594012	0.0426692	0.591712	0.0376976	0.860003
0.754784	0.0469969	0.611478	0.0560389	0.620869	0.0302461	0.908624
0.794788	0.0574424	0.640988	0.05164	0.651031	0.0408739	0.967646
0.845547	0.0570102	0.662945	0.0637403	0.695636	0.0394708	0.998702
0.931309	0.0678012	0.678811	0.0625835	0.731793	0.0456525	1.05547
1.02711	0.0738474	0.712819	0.0683656	0.778227	0.0527896	1.10576
1.11775	0.0870677	0.742222	0.0826584	0.832758	0.0693591	1.15654
1.24148	0.0885916	0.773291	0.0873106	0.891669	0.077141	1.20823
1.37005	0.104781	0.815055	0.0955848	0.943429	0.0758064	1.25921
1.51808	0.118082	0.845891	0.0959571	1.00546	0.0907785	1.31178
1.69648	0.139804	0.876272	0.107538	1.06921	0.0971614	1.35878
1.87414	0.158274	0.917807	0.114419	1.12753	0.0962622	1.43269
2.03117	0.179235	0.948869	0.116559	1.18491	0.114925	1.43442
2.22872	0.196784	0.963829	0.130755	1.2321	0.128214	1.48362
2.42686	0.212458	0.982133	0.126764	1.28585	0.13516	1.50973
2.56792	0.242895	1.0074	0.12886	1.31245	0.136812	1.55548
2.76836	0.262607	1.01818	0.122852	1.3499	0.130513	1.51722
2.95114	0.283023	1.02751	0.139349	1.37036	0.1446	1.51346

3.08097	0.273188	1.02621	0.14042	1.39989	0.151167	1.48044
3.20692	0.285975	1.02436	0.135656	1.38908	0.138281	1.47822
3.33998	0.305627	1.01065	0.134749	1.36943	0.155568	1.45569
3.3747	0.31093	0.985875	0.132486	1.34267	0.135805	1.42903
3.44085	0.331503	0.956454	0.100633	1.31143	0.137208	1.37162
3.43042	0.31145	0.938573	0.120026	1.27714	0.138834	1.31633
3.36867	0.331777	0.913562	0.104015	1.22756	0.112724	1.26981
3.32149	0.322542	0.871157	0.0951285	1.16662	0.119221	1.18034
3.21567	0.294367	0.830437	0.0823338	1.10752	0.105897	1.13848
3.08892	0.266367	0.795401	0.0891119	1.04228	0.100368	1.09815
2.94177	0.269756	0.756469	0.0782539	0.985139	0.0922952	1.00533
2.78912	0.267491	0.725555	0.0764785	0.923947	0.0839511	0.955422
2.58594	0.226465	0.680757	0.0601226	0.856598	0.0616258	0.886144
2.39791	0.220079	0.656952	0.0575085	0.790916	0.0614877	0.837097
2.23152	0.199131	0.630683	0.0478254	0.742868	0.0518916	0.802682
2.01156	0.173751	0.607303	0.0416708	0.684806	0.0372444	0.750993
1.83504	0.160404	0.588788	0.0382569	0.641523	0.0341236	0.727158
1.6425	0.159776	0.557099	0.0443416	0.612161	0.0336355	0.701454
1.47125	0.115277	0.552194	0.0414544	0.573761	0.0276664	0.669257
1.30639	0.0863896	0.532319	0.0347525	0.541807	0.025394	0.640288
1.18545	0.0879692	0.513413	0.0364114	0.518881	0.0238533	0.628912
1.07001	0.0754804	0.496009	0.0329285	0.49459	0.0227296	0.617881
0.96032	0.0553705	0.50123	0.0298411	0.483987	0.0221971	0.608833
0.866156	0.0558392	0.490525	0.0276905	0.465255	0.0251402	0.592432
0.791763	0.0448238	0.487603	0.0422787	0.453376	0.0237981	0.588683
0.708699	0.036652	0.485144	0.0337481	0.443459	0.0194136	0.572375
0.665438	0.0376188	0.476792	0.0304425	0.438623	0.0191527	0.571554
0.629585	0.0417429	0.472174	0.0355851	0.431025	0.0178432	0.571727
0.596897	0.0328971	0.459925	0.0281929	0.429924	0.0182529	0.569337
0.573365	0.0277303	0.467407	0.0342654	0.427622	0.0178258	0.57234
0.537057	0.0353449	0.468777	0.0345064	0.422352	0.0148654	0.569101
0.525711	0.0301985	0.46577	0.0410903	0.419975	0.0151795	0.580774
0.509527	0.0298111	0.45796	0.0372953	0.41822	0.0157281	0.557806
0.506275	0.0291974	0.461558	0.0289495	0.414966	0.0199121	0.566791
0.496285	0.035569	0.456697	0.0318028	0.4168	0.0209632	0.569126
0.48673	0.026952	0.447552	0.0321349	0.412803	0.0176571	0.552421
0.491151	0.0220831	0.461108	0.029552	0.409258	0.0178475	0.567158
0.495678	0.0324598	0.452107	0.032946	0.406598	0.0178461	0.556756
0.480039	0.0227731	0.457895	0.0322302	0.404858	0.0141529	0.552035
0.477471	0.0241979	0.45114	0.0318616	0.404667	0.0171891	0.575312
0.478648	0.0287182	0.448096	0.0287022	0.404529	0.018679	0.551822
0.47481	0.0312918	0.441572	0.0312753	0.401741	0.0224681	0.54929
0.474828	0.0255929	0.446133	0.0227668	0.406682	0.0187688	0.556181
0.471292	0.026936	0.440352	0.0247691	0.407912	0.0125779	0.547841
0.461825	0.0343717	0.447146	0.0319876	0.406576	0.0196698	0.560443
0.466353	0.0267699	0.453629	0.0347057	0.409913	0.0203471	0.54141
0.460746	0.0286394	0.444677	0.0361365	0.40415	0.0184981	0.544383

0.464268	0.0283781	0.44573	0.0335984	0.402906	0.0135638	0.549983
0.467135	0.026792	0.443079	0.0292813	0.4	0.0131973	0.539933
0.457713	0.0275041	0.448479	0.0311479	0.406094	0.022215	0.534689
0.46725	0.0250168	0.445609	0.0277698	0.40164	0.0197579	0.530854
0.459912	0.0247551	0.454575	0.027824	0.40047	0.0160269	0.534535
0.449109	0.0261545	0.455173	0.0356867	0.407038	0.0206433	0.518729
0.459394	0.0288714	0.452974	0.0361686	0.398538	0.0143205	0.527501
0.461332	0.0276065	0.450527	0.0331936	0.402223	0.0198894	0.527125
0.454717	0.0230333	0.453409	0.0358462	0.399002	0.0191991	0.528463
0.460029	0.0298299	0.462468	0.0353554	0.403671	0.0209461	0.518777
0.455058	0.0258198	0.463156	0.0321281	0.410298	0.0157509	0.533135
0.455738	0.0324506	0.462059	0.029978	0.409772	0.0209279	0.528831
0.458927	0.024397	0.468595	0.0350907	0.415834	0.0199825	0.521193
0.46657	0.0273751	0.466147	0.0282314	0.415295	0.0238987	0.516082
0.460982	0.0245355	0.4618	0.036094	0.413495	0.015086	0.510819
0.45933	0.0300135	0.461151	0.0347651	0.420836	0.0170124	0.51446
0.457775	0.0274367	0.461147	0.0355579	0.416495	0.016722	0.532657
0.455296	0.0235804	0.460744	0.0322535	0.42427	0.0172214	0.508531
0.454438	0.0274683	0.462905	0.03063	0.426901	0.0165026	0.527196
0.454822	0.0306505	0.460953	0.0290026	0.426163	0.0176957	0.510385
0.447171	0.0223377	0.451233	0.0292941	0.428292	0.0200139	0.527835
0.450297	0.0230173	0.458857	0.0266351	0.42715	0.0226283	0.534738
0.447978	0.0234843	0.447216	0.0308956	0.43179	0.0155308	0.531475
0.44849	0.0191251	0.445017	0.0297537	0.436677	0.0180693	0.522591
0.439888	0.0284899	0.449031	0.0299489	0.431352	0.0179968	0.537332
0.444822	0.0291303	0.440165	0.0319653	0.430728	0.0239315	0.52641
0.444286	0.0232663	0.452021	0.0352505	0.441814	0.0186116	0.527584
0.448896	0.025368	0.45058	0.0320641	0.438549	0.0219439	0.535206
0.446733	0.0262391	0.433055	0.0245267	0.444919	0.0172201	0.535427
0.448952	0.0316397	0.43455	0.0259569	0.440354	0.0158394	0.524137
0.438856	0.0256272	0.438909	0.0271416	0.4431	0.0201687	0.530618
0.430536	0.0234954	0.430862	0.0316588	0.445726	0.0195846	0.526469
0.433829	0.0220303	0.44081	0.0301192	0.442375	0.0188333	0.538802
0.446647	0.0299802	0.429213	0.0298737	0.444257	0.0256246	0.532415
0.428597	0.0298484	0.433507	0.0322583	0.442887	0.0172371	0.524664
0.43277	0.0308257	0.434804	0.0343242	0.440547	0.0173015	0.532001
0.431558	0.0233478	0.420173	0.028211	0.442825	0.0208971	0.530249
0.429473	0.0268805	0.426084	0.0288286	0.435989	0.0211324	0.520471
0.430543	0.0262861	0.416297	0.0204009	0.431914	0.018096	0.526004
0.429612	0.0299126	0.414131	0.0353871	0.422874	0.0190701	0.50621
0.432457	0.0221065	0.415197	0.0322332	0.420474	0.0182175	0.534534
0.42918	0.0247558	0.417213	0.0252988	0.417662	0.0122951	0.526074
0.433287	0.0211033	0.41481	0.0205661	0.408779	0.0126309	0.517439
0.422265	0.0291305	0.411228	0.0279494	0.411051	0.0201222	0.503301
0.426941	0.0249578	0.403551	0.0332775	0.400942	0.0147351	0.49242
0.421887	0.0206214	0.406789	0.0263897	0.391774	0.0160697	0.509823
0.426264	0.0257914	0.398097	0.0282741	0.38851	0.0149234	0.484627

0.41676	0.0268354	0.39936	0.0294571	0.384151	0.0193837	0.498425
0.421209	0.020349	0.400008	0.0241821	0.384807	0.0148081	0.495916
0.417547	0.0273405	0.396981	0.0327569	0.379624	0.0187437	0.473071
0.421017	0.0258252	0.391072	0.0299095	0.368199	0.0184375	0.484358
0.416177	0.0242499	0.395391	0.0279784	0.370146	0.0178655	0.470872
0.411402	0.032982	0.388369	0.0191231	0.364004	0.0158059	0.469748
0.412767	0.0320025	0.386457	0.0302409	0.363875	0.0142398	0.482686
0.414777	0.0273483	0.390196	0.0221356	0.363519	0.020292	0.470264
0.411709	0.0206306	0.387957	0.0295484	0.360907	0.0182947	0.478936
0.415038	0.027779	0.389876	0.0279417	0.357785	0.0167071	0.474933
0.403879	0.0324922	0.384699	0.0298785	0.356204	0.0143909	0.483068
0.405351	0.0269945	0.383516	0.0260367	0.354213	0.0180597	0.455878
0.406875	0.0245078	0.373106	0.0217247	0.351504	0.0156729	0.459289
0.407713	0.021255	0.378723	0.0235752	0.34851	0.0192152	0.463278
0.400086	0.0241934	0.37175	0.0162644	0.353525	0.014827	0.459746
0.399691	0.0237797	0.375303	0.0246921	0.348863	0.0153023	0.4461
0.411241	0.0279025	0.374814	0.0283775	0.348893	0.0168292	0.463354
0.400062	0.0235072	0.370103	0.0262242	0.349793	0.0135764	0.445783
0.399545	0.0298336	0.366164	0.0231011	0.342725	0.0195254	0.448113
0.402075	0.0193604	0.364866	0.0296898	0.342594	0.0140024	0.451382
0.395129	0.0294175	0.363019	0.0209717	0.333897	0.0144009	0.454423
0.392696	0.023487	0.364666	0.0284044	0.336504	0.017038	0.445679
0.388081	0.0201332	0.360095	0.0247132	0.336044	0.0138537	0.438064
0.383301	0.0234168	0.364268	0.0260682	0.33645	0.0185271	0.455674
0.384514	0.0259593	0.360905	0.0246477	0.331843	0.0147678	0.455143
0.383478	0.0243364	0.353309	0.0300634	0.334024	0.0177825	0.450816
0.390956	0.0201808	0.359639	0.0214211	0.32672	0.0149284	0.44354
0.38649	0.028489	0.355569	0.019179	0.327954	0.0176358	0.440393
0.383669	0.0228458	0.354969	0.0188604	0.329143	0.0169686	0.425687
0.386343	0.024239	0.357817	0.0214076	0.324859	0.011571	0.428787
0.380068	0.0222764	0.348366	0.0232475	0.327199	0.0135231	0.429706
0.377566	0.0268287	0.357513	0.0218038	0.327696	0.0158422	0.437475
0.380191	0.0248201	0.350646	0.0254279	0.326269	0.013864	0.438539
0.378618	0.0205123	0.348517	0.0260842	0.323946	0.0170505	0.433899
0.381004	0.0180105	0.353033	0.0259264	0.324282	0.0129055	0.437607
0.378779	0.020012	0.354302	0.0266583	0.327375	0.0169762	0.443514
0.36375	0.0186736	0.350417	0.0201617	0.322353	0.0154777	0.422961
0.374134	0.0216623	0.347677	0.0182801	0.325434	0.018709	0.435805
0.370352	0.0260606	0.346413	0.0213956	0.323016	0.0161187	0.431045
0.371657	0.026431	0.353314	0.0258247	0.32384	0.0161862	0.43657
0.361418	0.023488	0.350003	0.0203981	0.324543	0.0165774	0.429246
0.36631	0.0250857	0.355366	0.0237927	0.328706	0.0156096	0.42496
0.368611	0.022338	0.359108	0.0233109	0.336022	0.0169089	0.441032
0.372983	0.0247618	0.353636	0.0262258	0.334969	0.016741	0.439477
0.373695	0.0203167	0.361711	0.023256	0.337345	0.0149603	0.432867
0.372565	0.0238763	0.364187	0.0292382	0.341803	0.015345	0.440617
0.367507	0.0252263	0.372445	0.0283031	0.347526	0.0186873	0.460382

0.373101	0.0273198	0.371106	0.0279312	0.350389	0.0186788	0.460806
0.372747	0.0227219	0.381592	0.028381	0.360717	0.0155083	0.470588
0.374305	0.0237585	0.396778	0.0320446	0.368679	0.0170051	0.47361
0.385034	0.028005	0.406476	0.0309305	0.377006	0.0158336	0.481107
0.382458	0.026142	0.405125	0.0329599	0.398271	0.0162245	0.50555
0.387572	0.022275	0.41799	0.0365811	0.407015	0.0170719	0.509076
0.390933	0.0248179	0.424168	0.04066	0.421487	0.0157775	0.513595
0.393666	0.0231348	0.445936	0.0431036	0.44217	0.0198121	0.544598
0.403038	0.0248605	0.457763	0.0484866	0.459342	0.0261641	0.557364
0.412109	0.0293871	0.468915	0.048262	0.472039	0.0189555	0.559018
0.422185	0.0243386	0.479725	0.0518964	0.492576	0.0189174	0.593498
0.438379	0.0236905	0.494206	0.0631042	0.517385	0.0223507	0.607107
0.44605	0.0311423	0.514799	0.0580688	0.532266	0.0151618	0.611955
0.457509	0.030931	0.526565	0.0629657	0.553971	0.0222865	0.635754
0.482695	0.0248145	0.540793	0.0758684	0.574643	0.0214618	0.6613
0.492618	0.0331723	0.554153	0.0665572	0.5917	0.0237729	0.672975
0.517868	0.0280956	0.563491	0.0778713	0.613373	0.0285312	0.701737
0.550447	0.0301159	0.576489	0.0681481	0.631762	0.0318014	0.703903
0.567068	0.0416313	0.588484	0.0701704	0.641743	0.0259183	0.706512
0.599097	0.0285495	0.589085	0.0683531	0.656873	0.0313818	0.724015
0.634362	0.0391401	0.588654	0.0671515	0.675727	0.0327963	0.723274
0.667313	0.0428992	0.586271	0.0760226	0.67239	0.026418	0.726437
0.691694	0.0380604	0.58316	0.0690281	0.684147	0.0319127	0.713357
0.739457	0.0502417	0.590378	0.0717178	0.689146	0.0360915	0.725761
0.758465	0.0459265	0.581359	0.077765	0.679632	0.0295235	0.698522
0.787311	0.0473008	0.573979	0.0608476	0.673907	0.0236784	0.727899
0.814967	0.0406562	0.565541	0.0702577	0.663436	0.0301339	0.702997
0.846948	0.0578279	0.548886	0.0577082	0.652603	0.0362848	0.707964
0.865456	0.0513862	0.537688	0.0533707	0.63547	0.0258986	0.671476
0.879251	0.0628924	0.522067	0.0471196	0.615043	0.0280215	0.654165
0.894939	0.0611724	0.500567	0.0460074	0.603712	0.0296525	0.624571
0.903477	0.0581665	0.494213	0.0412052	0.579377	0.0272789	0.620182
0.896992	0.0692615	0.473201	0.0422399	0.557557	0.0312242	0.594417
0.893701	0.0633693	0.457416	0.0314412	0.540994	0.0258737	0.569904
0.878145	0.0576213	0.443713	0.0365546	0.514235	0.0273159	0.555993
0.860963	0.0551546	0.425245	0.0299615	0.482806	0.0193363	0.531561
0.842802	0.0663398	0.409666	0.0355294	0.460869	0.0205565	0.505132
0.811444	0.0547667	0.399808	0.0295306	0.447807	0.0238067	0.492208
0.78513	0.0595718	0.382475	0.0234908	0.419298	0.020143	0.470888
0.750425	0.0570436	0.371953	0.0152138	0.399249	0.0172037	0.462291
0.713574	0.0514614	0.361065	0.0246954	0.391015	0.0215668	0.440067
0.683845	0.0378127	0.352008	0.0252994	0.371178	0.0187227	0.430989
0.634551	0.0507087	0.34189	0.0189318	0.353336	0.0228171	0.424402
0.601395	0.039391	0.34211	0.0303332	0.350046	0.0143282	0.41805
0.585071	0.0389024	0.334003	0.0195048	0.335526	0.0170213	0.402572
0.54545	0.0333785	0.32845	0.0251455	0.330156	0.0175537	0.407153
0.518376	0.0328267	0.321969	0.019798	0.315474	0.0154344	0.409577

0.495429	0.0273562	0.323996	0.0252299	0.316726	0.0168537	0.406828
0.470301	0.0297434	0.316517	0.023792	0.311022	0.0168535	0.387461
0.444803	0.0247156	0.315926	0.025141	0.309344	0.0210127	0.390184
0.433332	0.036724	0.316907	0.0195148	0.304958	0.0104925	0.388948
0.420973	0.0250667	0.310027	0.0230787	0.303111	0.0113705	0.383744
0.407953	0.034263	0.312031	0.0243748	0.302774	0.0129783	0.3908
0.406882	0.0233342	0.304384	0.0175278	0.295838	0.0147579	0.391398
0.399343	0.0295255	0.313116	0.0224096	0.297754	0.0159275	0.391301
0.390484	0.0243817	0.310749	0.0222453	0.296615	0.0182349	0.376526
0.379143	0.0262167	0.311588	0.02109	0.290512	0.0163451	0.382768
0.383608	0.0248558	0.300284	0.0205372	0.292673	0.0120241	0.375931
0.379453	0.0244322	0.303458	0.0238919	0.289224	0.0145434	0.367125
0.370782	0.0258836	0.298525	0.0225769	0.288329	0.0171424	0.370066
0.372391	0.026099	0.296751	0.0222386	0.282395	0.0142138	0.370324
0.364336	0.0270242	0.299338	0.0200882	0.282617	0.016611	0.366802
0.351734	0.024795	0.302361	0.0204555	0.283508	0.0173629	0.363711
0.352457	0.0249939	0.30109	0.0184389	0.285317	0.0177184	0.365954
0.353244	0.022364	0.296815	0.0206117	0.273842	0.0138342	0.37024
0.341526	0.0243206	0.292637	0.0173581	0.274783	0.013893	0.364688
0.341346	0.0234739	0.296769	0.0223972	0.277553	0.0155967	0.373243
0.344861	0.0213764	0.289373	0.0186873	0.276121	0.0155281	0.357431
0.329023	0.0245757	0.292838	0.018996	0.267467	0.0131609	0.368785
0.327122	0.0235436	0.293197	0.0224255	0.265498	0.0135769	0.359529
0.313202	0.0197215	0.29208	0.0194603	0.265898	0.0141002	0.358981
0.317661	0.0191942	0.29044	0.0166819	0.268474	0.0141549	0.344414
0.312922	0.0261367	0.288178	0.0188223	0.268206	0.0165416	0.355978
0.306693	0.0220535	0.290739	0.0184721	0.26431	0.0148252	0.357948
0.306369	0.0243737	0.283141	0.0232214	0.263489	0.0110044	0.353782
0.304682	0.0215716	0.28579	0.0194251	0.265134	0.0169254	0.355003
0.295589	0.0186517	0.280449	0.0177733	0.258599	0.0136566	0.353974
0.287162	0.0258775	0.280293	0.0210475	0.255546	0.0153423	0.351172
0.296714	0.0209079	0.279489	0.0203061	0.257566	0.0116739	0.358061
0.294479	0.0192243	0.286867	0.0199123	0.258793	0.01149	0.357117
0.288366	0.0208972	0.28008	0.0183879	0.260148	0.0121742	0.353041
0.292331	0.0235089	0.277779	0.018558	0.25552	0.0111247	0.353493
0.293592	0.021106	0.281663	0.0215032	0.259922	0.0150564	0.360668
0.286132	0.0147861	0.280999	0.024556	0.260046	0.013033	0.345433
0.287881	0.0229284	0.277772	0.0209642	0.255709	0.0122067	0.346094
0.283464	0.0210654	0.282026	0.0153962	0.258439	0.010954	0.334144
0.28629	0.0254145	0.283658	0.0242186	0.256848	0.00922117	0.353049
0.2804	0.0190923	0.279639	0.0177952	0.259559	0.0158335	0.34509
0.28157	0.0230214	0.275144	0.0229916	0.26185	0.0157154	0.352896
0.283389	0.020536	0.275533	0.0148286	0.255736	0.0124974	0.361903
0.286848	0.0219463	0.275803	0.02021	0.256361	0.0142218	0.35531
0.276703	0.0203844	0.276887	0.0214737	0.256012	0.0152786	0.350449
0.279708	0.0231304	0.272893	0.0187178	0.260718	0.013051	0.344431
0.285129	0.0159699	0.280602	0.0179683	0.260765	0.0117901	0.343951

0.277747	0.014617	0.27412	0.0209203	0.257982	0.00934941	0.331298
0.277063	0.0238026	0.271916	0.0162068	0.258131	0.0127139	0.338477
0.274781	0.0159088	0.277775	0.0215939	0.255906	0.0144028	0.346172
0.280104	0.0215283	0.276407	0.0205147	0.261936	0.0170737	0.350509
0.276817	0.0146052	0.277048	0.0122776	0.263135	0.0103681	0.3455
0.271715	0.0211279	0.271532	0.022029	0.261213	0.0139539	0.347309
0.272281	0.0191874	0.275464	0.0156341	0.255851	0.0109707	0.336806
0.264315	0.0190926	0.272351	0.0195711	0.260729	0.0136486	0.344535
0.27503	0.0219475	0.27476	0.021697	0.259164	0.0139141	0.339272
0.272855	0.024648	0.269812	0.0193894	0.260187	0.0145563	0.340807
0.26698	0.0200084	0.271753	0.0205855	0.261323	0.0123258	0.341503
0.268665	0.0191836	0.269683	0.0212365	0.260684	0.0108759	0.336682
0.274406	0.025276	0.265316	0.0188411	0.261477	0.0175706	0.330529
0.264842	0.0164092	0.273912	0.0199248	0.258304	0.0148587	0.35035
0.266152	0.0147587	0.27077	0.0159474	0.257504	0.013459	0.333739
0.265782	0.019789	0.278392	0.0162054	0.259649	0.017781	0.337163
0.269076	0.0192794	0.27059	0.0173784	0.259099	0.0109478	0.346297
0.265818	0.0196514	0.268835	0.0189252	0.260861	0.0170058	0.326312
0.265564	0.0175797	0.272724	0.0154226	0.255313	0.0137512	0.345453
0.266491	0.0193402	0.261665	0.015721	0.251063	0.0169964	0.34336
0.263352	0.019464	0.261776	0.0168088	0.25469	0.0114121	0.337609
0.265606	0.0195495	0.26068	0.0186471	0.260021	0.0111912	0.338492
0.262767	0.0185545	0.260388	0.0141556	0.249275	0.0120857	0.33932
0.266319	0.017548	0.26793	0.0224945	0.254666	0.0121221	0.345342
0.264803	0.0175329	0.261265	0.0265667	0.252723	0.0157176	0.336355
0.263926	0.021087	0.257024	0.0204219	0.251131	0.0117838	0.33458
0.259475	0.0190185	0.265298	0.0155137	0.24986	0.0123298	0.334462
0.262233	0.0176373	0.262517	0.0213234	0.245047	0.0135779	0.328406
0.264868	0.0187316	0.261576	0.0195948	0.244202	0.0161001	0.338948
0.260026	0.0191576	0.265807	0.023043	0.24406	0.0139055	0.325044
0.259806	0.017218	0.266043	0.0183182	0.247227	0.0147327	0.330919
0.259026	0.0191524	0.26003	0.0197557	0.24266	0.0135949	0.330978
0.256145	0.0225233	0.251723	0.0175915	0.24453	0.0139724	0.335887
0.255501	0.0185535	0.259618	0.0207703	0.24406	0.0134211	0.337256
0.257449	0.0178059	0.256709	0.0185247	0.242874	0.0177739	0.335113
0.25981	0.0170009	0.251136	0.0159116	0.241289	0.0109185	0.327719
0.256918	0.0205417	0.259195	0.0183691	0.235618	0.0149047	0.331958
0.253793	0.0196498	0.254895	0.0173708	0.239193	0.0161947	0.335915
0.257019	0.019751	0.257002	0.0136024	0.241215	0.00991097	0.330656
0.252662	0.0188534	0.259581	0.0184446	0.242797	0.00986263	0.334659
0.254022	0.0193541	0.256159	0.0163115	0.23685	0.014024	0.323421
0.258615	0.0182826	0.249937	0.0185203	0.239852	0.0116542	0.325123
0.248169	0.0179587	0.252428	0.0191627	0.237274	0.0156142	0.309492
0.248547	0.0173315	0.249043	0.018624	0.233996	0.0129199	0.321638
0.252594	0.0214461	0.249677	0.018005	0.233935	0.0160161	0.326289
0.257026	0.0181573	0.252301	0.0171399	0.229808	0.0118027	0.319769
0.246938	0.01977	0.24949	0.018858	0.23256	0.0108665	0.305782

0.247233	0.0189572	0.253578	0.02015	0.232992	0.0119223	0.313841
0.251283	0.0188273	0.254303	0.0184494	0.237569	0.0125443	0.302673
0.253949	0.0204754	0.251872	0.0175173	0.23309	0.0122934	0.311881
0.251024	0.0180801	0.250921	0.0129434	0.230535	0.0165905	0.309531
0.250638	0.0206616	0.256284	0.0200453	0.227447	0.0114636	0.318276
0.24842	0.0177291	0.25093	0.0167111	0.230494	0.0135953	0.309221
0.248078	0.0201888	0.249256	0.014967	0.232009	0.0105185	0.31135
0.245072	0.021382	0.249104	0.0189622	0.231216	0.0144359	0.320389
0.246583	0.0188218	0.248567	0.0196055	0.227687	0.0130605	0.316859
0.250689	0.0138213	0.24928	0.0152275	0.22827	0.0163027	0.304095
0.253925	0.0182461	0.244103	0.0212808	0.230039	0.0143527	0.316771
0.245077	0.0174209	0.249729	0.0148449	0.226066	0.0130365	0.305995
0.246931	0.0213814	0.249222	0.0162527	0.225548	0.0143107	0.316063
0.249779	0.0198636	0.239958	0.018313	0.228722	0.00963702	0.309687
0.255666	0.0205387	0.242053	0.0174349	0.230675	0.0145003	0.315254
0.250918	0.0175241	0.245141	0.0218096	0.228096	0.0149033	0.306365
0.245217	0.0187661	0.24736	0.0181951	0.225006	0.0113689	0.31909
0.244498	0.0197807	0.240479	0.0160237	0.223869	0.0124561	0.310816
0.245013	0.0212035	0.239783	0.0150053	0.221842	0.0146421	0.31096
0.245348	0.0216577	0.239509	0.0157455	0.220865	0.010363	0.307723
0.241634	0.017676	0.242724	0.0145197	0.228192	0.0129917	0.323991
0.246731	0.0208495	0.246638	0.017768	0.220105	0.0117048	0.312889
0.247196	0.0213043	0.23946	0.0170648	0.226677	0.0085934	0.313757
0.244297	0.0217774	0.241325	0.0183522	0.223923	0.0130422	0.323958
0.243253	0.0209588	0.239015	0.0162932	0.222874	0.0140699	0.320946
0.24023	0.0197353	0.240801	0.0139794	0.223047	0.0128332	0.318251
0.246558	0.0163443	0.24389	0.0191691	0.227514	0.0111752	0.311489
0.244721	0.0193173	0.241441	0.0167696	0.222959	0.0137755	0.318998
0.242825	0.0164349	0.245962	0.0166851	0.229751	0.0128231	0.309029
0.241185	0.0196896	0.240097	0.0165497	0.226562	0.0176553	0.313237
0.242918	0.0176806	0.246465	0.0170518	0.228166	0.0127141	0.316989
0.243438	0.0130118	0.243331	0.0190475	0.226343	0.0126649	0.309623
0.241478	0.0184988	0.238283	0.0163493	0.225768	0.0106195	0.325161
0.241188	0.0179706	0.244287	0.0173442	0.229309	0.0104908	0.319047
0.24426	0.0193528	0.243007	0.016279	0.224167	0.0134748	0.306999
0.245041	0.0206107	0.247024	0.0166146	0.229621	0.0131704	0.323818
0.238916	0.0192538	0.246012	0.0152845	0.233942	0.0154876	0.312928
0.238169	0.0168474	0.252852	0.0215979	0.234685	0.0126689	0.324029
0.245847	0.0213944	0.250318	0.0175329	0.231926	0.012808	0.323517
0.244371	0.019353	0.25203	0.0161387	0.236712	0.0114929	0.329103
0.245136	0.0221091	0.250576	0.0147274	0.235166	0.0158787	0.324428
0.243365	0.0190316	0.254492	0.0196384	0.239352	0.0137516	0.336575
0.243906	0.0151155	0.25379	0.0175235	0.237318	0.014859	0.333048
0.236897	0.0164737	0.255917	0.0205671	0.241722	0.0154185	0.334611
0.239821	0.0166612	0.254831	0.0215646	0.240685	0.0140956	0.350017
0.241067	0.0201339	0.249607	0.0143519	0.241218	0.0148036	0.335902
0.236623	0.0163735	0.256378	0.0187581	0.242351	0.0106048	0.325902

0.238258	0.0174438	0.255064	0.0199358	0.241341	0.0129963	0.326483
0.236096	0.0174141	0.253806	0.0248881	0.241948	0.0130385	0.330562
0.243527	0.0202658	0.258383	0.0172118	0.242545	0.014866	0.336719
0.235115	0.0248477	0.252601	0.0164026	0.248246	0.0101076	0.334478
0.240025	0.0201476	0.253388	0.0131723	0.246107	0.0131547	0.338109
0.238301	0.0167876	0.256048	0.0193946	0.250777	0.0128171	0.319648
0.239849	0.01664	0.258311	0.0141232	0.247431	0.0131083	0.34208
0.240216	0.0204838	0.260147	0.0201097	0.253413	0.0105149	0.333944
0.246191	0.0185599	0.263836	0.0191044	0.250032	0.0135433	0.326671
0.247733	0.0157628	0.259487	0.0158847	0.252223	0.0129857	0.332019
0.242771	0.0205872	0.260871	0.0186991	0.252298	0.0143453	0.343343
0.251116	0.0176693	0.262819	0.0202098	0.249627	0.0137455	0.329618
0.242566	0.0211194	0.270161	0.0183526	0.25412	0.0140129	0.341155
0.241041	0.0153999	0.260238	0.0192801	0.257667	0.016199	0.336944
0.245332	0.0193527	0.268572	0.0220231	0.25681	0.0158564	0.339102
0.249698	0.0209161	0.266673	0.0191169	0.261477	0.0124781	0.34365
0.246361	0.0187447	0.267656	0.0208556	0.257788	0.014514	0.3456
0.255628	0.0170824	0.265785	0.0213336	0.261365	0.0158476	0.346393
0.248338	0.0215798	0.266245	0.0210613	0.268302	0.0147805	0.341154
0.250683	0.0190933	0.274791	0.0252935	0.263527	0.018795	0.334057
0.251378	0.017501	0.271457	0.0202732	0.268973	0.0157109	0.354107
0.250708	0.0181034	0.275352	0.0191334	0.266185	0.0132741	0.336843
0.263537	0.0201218	0.26787	0.0245271	0.26971	0.0147169	0.35018
0.258382	0.0224865	0.267733	0.0196004	0.266688	0.0146543	0.344728
0.258724	0.0173847	0.268184	0.0234804	0.267068	0.0120918	0.351041
0.253556	0.0144528	0.26969	0.017459	0.265482	0.0125264	0.340079
0.256851	0.0160574	0.272632	0.0183165	0.260571	0.0130128	0.331753
0.261341	0.0136159	0.268195	0.0205682	0.26332	0.0141657	0.337056
0.263329	0.0173735	0.26556	0.0218682	0.262707	0.0159349	0.330528
0.259604	0.0187586	0.267707	0.0214511	0.258521	0.0112296	0.327129
0.265189	0.0166286	0.262487	0.018865	0.256265	0.0150678	0.316782
0.266129	0.0209993	0.259656	0.0222046	0.254925	0.0134471	0.333422
0.256983	0.0212161	0.259591	0.0166557	0.252805	0.0116476	0.328058
0.263538	0.0221196	0.257709	0.0265198	0.25351	0.0135655	0.319768
0.261732	0.0191258	0.257516	0.0196323	0.246149	0.0113043	0.327053
0.263179	0.0173206	0.255739	0.0195419	0.251416	0.0133039	0.316702
0.25676	0.0197114	0.257054	0.0167733	0.247845	0.012272	0.311872
0.261455	0.0213859	0.255497	0.0199886	0.239172	0.0115766	0.298045
0.267623	0.0200966	0.255124	0.0195213	0.241168	0.0106515	0.309436
0.262211	0.0183186	0.254615	0.0173472	0.240706	0.0126877	0.307795
0.259937	0.0206268	0.251867	0.0225492	0.243037	0.0104659	0.314546
0.260841	0.0194416	0.25302	0.0170564	0.238423	0.0141793	0.303471
0.256609	0.022605	0.247917	0.0168012	0.233707	0.0164485	0.308355
0.255887	0.0183815	0.250714	0.0199517	0.236393	0.0139696	0.303482
0.256306	0.0210167	0.249856	0.0166009	0.233377	0.0136561	0.292654
0.264449	0.0219444	0.252335	0.0123594	0.237451	0.0116811	0.311322
0.257322	0.0206406	0.2513	0.0165841	0.237987	0.0126542	0.307467

0.253595	0.0208055	0.249536	0.0167244	0.235949	0.0145444	0.299223
0.255076	0.017184	0.254759	0.0205105	0.237248	0.012908	0.309331
0.253853	0.0218653	0.257525	0.0154323	0.236615	0.00991837	0.298056
0.256118	0.0196864	0.256507	0.020142	0.241656	0.0139047	0.291896
0.256559	0.0199679	0.257268	0.0178659	0.239308	0.0163823	0.303195
0.253577	0.0193584	0.255553	0.0180463	0.244697	0.0146415	0.310598
0.259815	0.0197162	0.256795	0.0177784	0.240976	0.0134199	0.300678
0.258973	0.0180138	0.25925	0.0189469	0.247129	0.0129592	0.311644
0.255449	0.0201288	0.258986	0.0219466	0.245406	0.0119765	0.305946
0.254879	0.0157095	0.256075	0.0148886	0.247387	0.0175978	0.303451
0.261572	0.0169001	0.256075	0.0202035	0.242464	0.0150191	0.309253
0.253651	0.0135474	0.258635	0.0192246	0.245912	0.0149196	0.307295
0.25704	0.0152767	0.256115	0.0153183	0.246749	0.0142435	0.313538
0.256059	0.0157284	0.260923	0.0188947	0.247973	0.010754	0.318148
0.25869	0.0208011	0.265182	0.0205123	0.246762	0.0115915	0.31732
0.257611	0.0234462	0.260926	0.0221442	0.247753	0.0151198	0.312263
0.259557	0.0152981	0.261877	0.011037	0.251967	0.011825	0.312608
0.265486	0.0175017	0.260859	0.0208183	0.253035	0.012847	0.303665
0.259496	0.0186388	0.25995	0.0165057	0.252773	0.0157579	0.30616
0.268564	0.0170582	0.262575	0.0191238	0.251524	0.0105994	0.303651
0.264503	0.01785	0.266499	0.0168837	0.257151	0.0158074	0.309745
0.269809	0.0210246	0.266911	0.0175426	0.24949	0.0143336	0.31594
0.27401	0.0193395	0.264232	0.0196532	0.255878	0.0129313	0.31094
0.268753	0.0165677	0.268831	0.0151321	0.257619	0.0141202	0.31066
0.264448	0.0184198	0.274288	0.0172473	0.253901	0.0157259	0.316517
0.27084	0.0181668	0.271761	0.0153745	0.259944	0.0136107	0.310459
0.26634	0.0201062	0.27472	0.0171145	0.263356	0.0130558	0.315395
0.269314	0.0249999	0.276043	0.0217503	0.261851	0.012495	0.300027
0.27931	0.0208432	0.275298	0.0194158	0.265964	0.0165959	0.325597
0.274173	0.0178583	0.27659	0.0215965	0.262218	0.0148951	0.318926
0.275497	0.0168754	0.279104	0.0213919	0.266599	0.0131159	0.319211
0.274046	0.0199992	0.27651	0.0134142	0.269312	0.0108876	0.331506
0.274229	0.0150713	0.285527	0.0182795	0.269264	0.0158174	0.318617
0.282176	0.0217481	0.287448	0.0195663	0.273643	0.0114633	0.329573
0.277188	0.0182436	0.288939	0.0200272	0.278145	0.0145442	0.329574
0.283395	0.029438	0.290449	0.0193032	0.278011	0.0139262	0.327839
0.293447	0.02147	0.293782	0.0192664	0.284767	0.0118785	0.333681
0.291957	0.0242524	0.295712	0.0223447	0.282282	0.011905	0.325146
0.288238	0.0201036	0.300121	0.0206755	0.285985	0.0137477	0.342654
0.297085	0.0198579	0.303414	0.0194929	0.281008	0.0175788	0.338996
0.292414	0.0222423	0.304867	0.0205022	0.292217	0.0148348	0.346029
0.298343	0.0215823	0.307159	0.0182492	0.303584	0.0158216	0.346311
0.302435	0.0193748	0.311678	0.0165537	0.2971	0.0128455	0.351917
0.305318	0.0186204	0.31077	0.0210675	0.302513	0.0149744	0.345724
0.307052	0.0172961	0.312151	0.0202877	0.307319	0.018011	0.344396
0.315578	0.0246177	0.32455	0.0162842	0.311035	0.0104974	0.355931
0.309535	0.0160914	0.324464	0.0193158	0.313614	0.0129968	0.365586

0.3195	0.0205146	0.328647	0.019343	0.319728	0.0146505	0.344061
0.327723	0.0227885	0.334587	0.017437	0.327856	0.0139217	0.3666
0.325154	0.0228474	0.341166	0.0193546	0.326911	0.0145971	0.368865
0.337107	0.02517	0.334387	0.0219895	0.334797	0.0148965	0.3727
0.340481	0.0240806	0.344126	0.0169604	0.341305	0.0153693	0.36944
0.344691	0.0226591	0.351596	0.0253277	0.343831	0.0155535	0.37076
0.345723	0.0215362	0.362356	0.0202448	0.359843	0.0161063	0.392019
0.351097	0.0225799	0.368949	0.021168	0.358847	0.0241575	0.389321
0.359662	0.0228517	0.376103	0.0249576	0.374329	0.0184786	0.391758
0.373022	0.0228105	0.373629	0.0168554	0.378843	0.016309	0.382292
0.382661	0.0192277	0.3821	0.0190488	0.382375	0.016032	0.390263
0.384454	0.0237667	0.393662	0.0270993	0.391795	0.0131222	0.405344
0.401172	0.0299731	0.399597	0.018787	0.401832	0.0208458	0.415503
0.409669	0.0193708	0.412057	0.0225585	0.417209	0.0177888	0.440509
0.427833	0.0221403	0.425042	0.0268172	0.427746	0.0202967	0.433404
0.423884	0.0196037	0.425175	0.0218068	0.434242	0.0217048	0.430772
0.431286	0.0274319	0.431904	0.0230492	0.453694	0.018051	0.437694
0.43932	0.0374163	0.451444	0.0257424	0.458096	0.018933	0.448171
0.460301	0.0220143	0.45954	0.0195778	0.47171	0.020557	0.448803
0.467498	0.0226374	0.465541	0.0195421	0.48069	0.0235713	0.46984
0.485763	0.0245541	0.486913	0.0247774	0.503254	0.0207355	0.478013
0.501215	0.0206865	0.496331	0.0241229	0.509344	0.0199169	0.491279
0.517999	0.022964	0.505245	0.0237538	0.528877	0.018907	0.500347
0.525829	0.0304329	0.524045	0.0227386	0.543634	0.0200675	0.510165
0.539617	0.0311932	0.542483	0.0245725	0.562452	0.0222842	0.50458
0.554711	0.0293446	0.558073	0.0225456	0.570826	0.0165235	0.514434
0.563485	0.0282601	0.558459	0.024943	0.591267	0.0208055	0.551466
0.584863	0.0374057	0.591097	0.0265439	0.605661	0.0253969	0.53799
0.597974	0.0312914	0.594685	0.0303151	0.622564	0.0239715	0.541721
0.621668	0.0234541	0.617288	0.0175908	0.643001	0.0265125	0.579883
0.630266	0.0262221	0.639387	0.0212707	0.654574	0.0264548	0.58198
0.651383	0.0262129	0.644425	0.0286708	0.672716	0.0202292	0.598639
0.664579	0.0329937	0.665703	0.0228046	0.692206	0.0166971	0.596296
0.679424	0.0293892	0.6803	0.0306381	0.707317	0.0206571	0.620647
0.702803	0.037263	0.695472	0.0302066	0.721745	0.0240791	0.637122
0.717543	0.0302581	0.701715	0.0266521	0.74038	0.0260881	0.648112
0.738762	0.0269172	0.728148	0.0363027	0.752107	0.0212028	0.651535
0.750317	0.0294285	0.746214	0.0210226	0.782806	0.0221272	0.666351
0.76257	0.0321664	0.76443	0.0286046	0.788835	0.0300879	0.679241
0.785038	0.0280653	0.775273	0.0301175	0.817467	0.0256139	0.689324
0.792314	0.0317504	0.793387	0.0265463	0.827224	0.0255009	0.695261
0.809248	0.0408336	0.804558	0.0303222	0.841719	0.0309188	0.724238
0.821245	0.0360119	0.81668	0.0244764	0.855422	0.0270313	0.723409
0.838519	0.0383004	0.838846	0.0303673	0.863762	0.0292946	0.74356
0.850703	0.0372058	0.843953	0.0305898	0.879883	0.0303741	0.739605
0.876087	0.0366784	0.859676	0.027155	0.894282	0.021986	0.742947
0.881935	0.0355927	0.874343	0.0254948	0.911158	0.0306164	0.766735

0.901103	0.0318896	0.894189	0.0379775	0.917468	0.024621	0.774827
0.89541	0.0478576	0.897684	0.0394417	0.927549	0.0216385	0.773016
0.916155	0.0409685	0.90525	0.0284221	0.935135	0.0267759	0.795449
0.914801	0.0343062	0.921731	0.0401188	0.930089	0.0282339	0.795953
0.927805	0.0376201	0.92676	0.0311428	0.951941	0.0291146	0.824272
0.933855	0.0371549	0.926131	0.0401681	0.961426	0.027854	0.826801
0.944003	0.0326804	0.940907	0.0338074	0.959757	0.029191	0.829475
0.940753	0.0308843	0.939835	0.0305851	0.967559	0.0199547	0.832529
0.946405	0.0362133	0.948476	0.0369252	0.963502	0.0236022	0.85217
0.95059	0.0333961	0.952949	0.036814	0.96873	0.0244649	0.845742
0.946407	0.0356351	0.956301	0.0311772	0.967145	0.0250172	0.850407
0.951156	0.0344957	0.948333	0.0406847	0.953022	0.0319778	0.868806
0.949571	0.0386788	0.965795	0.0272638	0.9638	0.0262456	0.881659
0.96223	0.0307557	0.956302	0.0336316	0.955216	0.0288643	0.873993
0.934966	0.0353849	0.953957	0.0332246	0.949406	0.0272166	0.878795
0.938129	0.0375357	0.950893	0.0328395	0.951729	0.0271549	0.889599
0.929999	0.0445537	0.941494	0.0276489	0.934739	0.0272295	0.884116
0.93228	0.0345616	0.933506	0.0318147	0.934796	0.0283444	0.891177
0.922845	0.0465651	0.930504	0.0297254	0.922923	0.0307706	0.900298
0.904975	0.0380633	0.92206	0.033863	0.908957	0.0273958	0.905223
0.910688	0.0389107	0.910546	0.0351635	0.895107	0.0279129	0.90233
0.883186	0.0409587	0.898423	0.0341396	0.876041	0.0271332	0.91527
0.867318	0.0472885	0.886075	0.0313758	0.864285	0.027928	0.892902
0.877362	0.0377859	0.885484	0.0323233	0.860319	0.0302198	0.907426
0.849909	0.0402789	0.867651	0.0339184	0.844861	0.0236658	0.902206
0.840253	0.0356852	0.850575	0.0301315	0.820688	0.0277322	0.891177
0.841596	0.0378234	0.844478	0.0387539	0.802419	0.021734	0.894094
0.816361	0.0312058	0.825184	0.0297723	0.793972	0.0267491	0.910327
0.795635	0.0394129	0.810516	0.0285787	0.771204	0.0260231	0.879467
0.787729	0.0297737	0.803445	0.0251958	0.755328	0.0261474	0.867001
0.761763	0.035504	0.776573	0.0299291	0.740027	0.0235432	0.871759
0.740243	0.0424939	0.773373	0.0290228	0.719495	0.024949	0.861737
0.727485	0.0338681	0.743431	0.0304555	0.706509	0.0259197	0.850744
0.714827	0.0376142	0.728435	0.024645	0.682654	0.0218836	0.819658
0.692815	0.0308686	0.706083	0.0290139	0.659962	0.017507	0.836369
0.679532	0.0350642	0.694365	0.0251753	0.649345	0.0223821	0.813577
0.665615	0.0308921	0.673586	0.0253742	0.629123	0.0238431	0.808563
0.652341	0.0393036	0.655165	0.0225838	0.610157	0.0277509	0.788899
0.623003	0.0272862	0.642017	0.0277181	0.59974	0.0242178	0.76045
0.606887	0.0294067	0.631687	0.0200558	0.578914	0.0219269	0.740352
0.595097	0.0231564	0.597062	0.0249929	0.56302	0.0222141	0.705057
0.584111	0.0269978	0.579906	0.0297153	0.541777	0.0228326	0.697487
0.55871	0.0229015	0.574755	0.0213591	0.527519	0.0189671	0.66689
0.552983	0.026084	0.556904	0.0259151	0.507079	0.0241988	0.648434
0.527301	0.03269	0.540366	0.0276016	0.496136	0.0177872	0.62875
0.511796	0.0218702	0.526021	0.0266893	0.472435	0.0196936	0.622544
0.499199	0.024619	0.514344	0.0279486	0.468209	0.0232798	0.588399

0.483743	0.025518	0.494356	0.0270112	0.454205	0.0187359	0.574432
0.4725	0.027152	0.48496	0.0227396	0.437126	0.0194244	0.558717
0.45968	0.0233471	0.476734	0.020807	0.424165	0.0167827	0.53179
0.440072	0.0213094	0.453007	0.0285272	0.411657	0.0183361	0.52463
0.429148	0.0217406	0.440991	0.0234478	0.395801	0.0148318	0.495064
0.424296	0.0284059	0.43437	0.0201006	0.392233	0.0123143	0.484339
0.41029	0.025059	0.422172	0.017471	0.378769	0.0170953	0.475085
0.398369	0.0234502	0.409621	0.0267353	0.365347	0.0161878	0.447431
0.38978	0.025594	0.394251	0.0199	0.357783	0.0168658	0.442534
0.382655	0.021233	0.389489	0.0199475	0.345334	0.0157748	0.434324
0.365665	0.0218366	0.380105	0.0238093	0.338486	0.016373	0.412674
0.352491	0.0212516	0.369911	0.0209516	0.329135	0.0144613	0.407943
0.349241	0.0195367	0.357356	0.0226074	0.324084	0.0183182	0.413909
0.343536	0.0227338	0.349036	0.0165927	0.316217	0.016353	0.398871
0.331035	0.0167502	0.341579	0.0234899	0.308416	0.0133923	0.371687
0.324078	0.0231953	0.333537	0.0181249	0.297677	0.0134822	0.37356
0.317946	0.017791	0.327593	0.0194635	0.298884	0.0150595	0.369481
0.310056	0.0192998	0.314819	0.0198322	0.284394	0.0132749	0.350979
0.301954	0.0207472	0.316047	0.0199201	0.284192	0.0159167	0.358251
0.303676	0.0238232	0.298715	0.0162566	0.272769	0.0142717	0.35808
0.294041	0.0178128	0.290498	0.0191574	0.267813	0.0147484	0.340242
0.286996	0.019739	0.284665	0.01742	0.267649	0.0116553	0.340812
0.279818	0.0207907	0.283053	0.0145006	0.263085	0.01183	0.328661
0.281401	0.0227153	0.279885	0.014526	0.257159	0.012118	0.331536
0.270529	0.0246204	0.273956	0.0223633	0.254094	0.0144669	0.312722
0.256943	0.0173768	0.270118	0.0234124	0.248718	0.0125288	0.307532
0.258185	0.0232346	0.263855	0.0149604	0.243831	0.0148843	0.320321
0.256905	0.0208102	0.261307	0.0167382	0.24132	0.0102792	0.301661
0.25036	0.021373	0.25119	0.0174653	0.240327	0.0117913	0.30079
0.248073	0.018938	0.247881	0.015279	0.226652	0.0080209	0.308737
0.239229	0.0160789	0.24268	0.0171696	0.228584	0.0139423	0.291798
0.238353	0.0185316	0.239642	0.0169694	0.223156	0.0135666	0.298016
0.231503	0.0213584	0.23095	0.018758	0.220553	0.0108394	0.290064
0.22582	0.0197257	0.229886	0.0124592	0.21909	0.0145042	0.294277
0.226466	0.0180866	0.229556	0.0165456	0.215285	0.0140299	0.281975
0.21989	0.0179634	0.220429	0.0214143	0.20883	0.011679	0.274241
0.214064	0.013042	0.217865	0.0140195	0.211607	0.014491	0.282741
0.216541	0.0221379	0.218872	0.0157955	0.203375	0.0118938	0.284983
0.211227	0.0181608	0.211248	0.0172965	0.20253	0.0122299	0.270667
0.204811	0.0179078	0.212339	0.0122309	0.200249	0.0132644	0.289946
0.201039	0.0151144	0.207178	0.0151919	0.196024	0.0137027	0.289967
0.202518	0.0159277	0.201294	0.0145458	0.190694	0.0128149	0.281494
0.194279	0.0164434	0.198961	0.0184978	0.187399	0.0106001	0.294852
0.197835	0.0154831	0.197373	0.0135829	0.183807	0.0106938	0.277735
0.195647	0.0125549	0.196577	0.017063	0.184258	0.0107909	0.290293
0.185034	0.0187747	0.190536	0.0153441	0.182349	0.00899204	0.28485
0.182264	0.0164126	0.188772	0.0137414	0.176579	0.0108333	0.288522

0.184546	0.0162756	0.186398	0.0137703	0.180187	0.0119627	0.289413
0.176161	0.0133583	0.185369	0.0176812	0.178047	0.0129813	0.282079
0.178668	0.0176569	0.18535	0.0176004	0.176437	0.0107589	0.299605
0.178399	0.0156962	0.189512	0.0115211	0.175167	0.00855991	0.296005
0.175592	0.0150016	0.194854	0.0164561	0.171708	0.0128839	0.296044
0.171834	0.0170267	0.192042	0.0159669	0.173535	0.0101539	0.300791
0.172957	0.0152562	0.200598	0.0155887	0.17028	0.0109145	0.304163
0.16968	0.0177297	0.198472	0.0159787	0.174616	0.0143748	0.310073
0.170593	0.0152035	0.199134	0.019688	0.174707	0.011485	0.320992
0.176077	0.0158216	0.211422	0.0137863	0.181251	0.0124467	0.330293
0.168323	0.0166852	0.215727	0.0204123	0.180838	0.0101474	0.339803
0.172568	0.0117677	0.226831	0.0256388	0.189136	0.00945993	0.353321
0.173641	0.0113944	0.236468	0.0214887	0.192334	0.0100439	0.379948
0.18346	0.0130802	0.246516	0.0231266	0.203912	0.0145602	0.385529
0.185565	0.0207585	0.255307	0.0270988	0.206801	0.009867	0.404385
0.185791	0.014251	0.27826	0.0214218	0.218899	0.0132573	0.433588
0.193425	0.0125441	0.289123	0.0219221	0.225116	0.0153914	0.462164
0.201144	0.0149717	0.311595	0.0286566	0.240791	0.0152889	0.498664
0.207621	0.016598	0.333205	0.036909	0.249073	0.0134413	0.526158
0.22018	0.0165287	0.349694	0.0325025	0.263	0.01866	0.55789
0.232894	0.0163789	0.370307	0.0373491	0.277202	0.0175174	0.600128
0.252947	0.0216025	0.401829	0.0397664	0.295493	0.0121085	0.64042
0.260909	0.0170744	0.419372	0.0440708	0.307301	0.0184157	0.708125
0.283519	0.0149221	0.445215	0.0440767	0.326556	0.0141577	0.738874
0.296743	0.0211051	0.461542	0.0524005	0.336524	0.021419	0.776923
0.318113	0.0213555	0.485675	0.0568858	0.357804	0.0157467	0.842352
0.339535	0.0215182	0.512192	0.0564348	0.376902	0.0195132	0.872137
0.364699	0.0174984	0.530558	0.0588019	0.392693	0.018354	0.914993
0.385029	0.0224131	0.552928	0.0620198	0.41471	0.0209146	0.956749
0.413086	0.02279	0.57377	0.0709712	0.425071	0.0187971	1.01615
0.430027	0.0232263	0.600875	0.061017	0.43768	0.024792	1.07953
0.459782	0.0274964	0.625932	0.0704187	0.456084	0.0206363	1.09864
0.487285	0.0283681	0.637022	0.0740886	0.471954	0.0240183	1.13166
0.51823	0.0222783	0.645604	0.0652037	0.482551	0.0231195	1.19049
0.524127	0.021622	0.671366	0.0737202	0.494653	0.017657	1.20697
0.549737	0.0294006	0.679182	0.0843268	0.499058	0.0191195	1.25253
0.58469	0.0302703	0.693704	0.0762112	0.519804	0.0180128	1.2656
0.601346	0.034337	0.693299	0.0817989	0.523865	0.0205641	1.31298
0.614706	0.0314508	0.689641	0.0715775	0.530098	0.0210934	1.28799
0.638468	0.035929	0.687451	0.0746154	0.528843	0.0209327	1.29374
0.655274	0.0293698	0.694993	0.0917725	0.531904	0.0172651	1.32219
0.675482	0.0419135	0.677514	0.0641346	0.526589	0.02202	1.27718
0.688909	0.0401016	0.671481	0.076633	0.525173	0.0181738	1.28363
0.682992	0.0326616	0.670008	0.0746842	0.515504	0.0255059	1.26805
0.69623	0.0283086	0.635146	0.0639704	0.499653	0.0235768	1.23331
0.697505	0.0363935	0.613488	0.0685828	0.491009	0.0232158	1.18864
0.696156	0.033383	0.587578	0.0653042	0.479914	0.0171441	1.16398

0.705591	0.0330066	0.56221	0.0566241	0.466791	0.0232728	1.09986
0.684975	0.0376951	0.539551	0.0656734	0.444417	0.0267321	1.04062
0.679611	0.0293509	0.512363	0.0589665	0.41812	0.0209443	1.00589
0.666364	0.0345181	0.472536	0.0539325	0.397403	0.0160808	0.937743
0.649087	0.030015	0.436814	0.0518452	0.379754	0.0161136	0.892747
0.622488	0.038419	0.405946	0.0485934	0.352435	0.0168641	0.807136
0.597601	0.0355082	0.380926	0.0433355	0.328061	0.0151431	0.753108
0.570857	0.0287481	0.350903	0.0371334	0.311098	0.0145673	0.699886
0.543768	0.0275989	0.313946	0.0325805	0.282099	0.0167015	0.651188
0.517087	0.0298766	0.294427	0.0368234	0.265727	0.0148407	0.581909
0.485464	0.0242198	0.268049	0.0349519	0.239611	0.0115253	0.524715
0.453349	0.0260756	0.24503	0.0271148	0.223408	0.0146582	0.460552
0.410406	0.0244614	0.229076	0.0276106	0.211032	0.013924	0.431263
0.38467	0.0239561	0.204773	0.0259694	0.191978	0.0102878	0.398806
0.352581	0.0220554	0.187881	0.0159819	0.180399	0.0117804	0.354746
0.324813	0.026543	0.180295	0.0254973	0.170258	0.0112147	0.31477
0.297898	0.0189259	0.167797	0.0160554	0.158761	0.0107385	0.296285
0.274267	0.0207864	0.157847	0.0181694	0.148132	0.008828	0.266233
0.248251	0.0183081	0.144992	0.0148585	0.139917	0.0100364	0.251682
0.227485	0.0153563	0.139349	0.0153584	0.137897	0.00750698	0.240008
0.208268	0.0166217	0.134025	0.0140838	0.129973	0.0097802	0.226888
0.193768	0.016054	0.127988	0.0124497	0.125196	0.00928703	0.213403
0.176482	0.01787	0.126993	0.0118024	0.119386	0.00911401	0.201708
0.16936	0.015722	0.12502	0.0139651	0.120359	0.0113471	0.189462
0.1562	0.0153729	0.122477	0.0115524	0.121071	0.00768478	0.191041
0.143865	0.0142472	0.116421	0.0107779	0.116245	0.00964147	0.181853
0.141479	0.0129628	0.113045	0.0117456	0.11227	0.00950028	0.1787
0.136995	0.0128425	0.119499	0.0134584	0.112786	0.00899454	0.169678
0.128589	0.010756	0.117738	0.0124982	0.11224	0.00985398	0.179615
0.127038	0.0154334	0.114644	0.0104714	0.111676	0.0112589	0.166976
0.121689	0.0136291	0.11949	0.0123551	0.112859	0.00898895	0.162673
0.11865	0.0121283	0.115628	0.0123007	0.111511	0.00853906	0.162909
0.117497	0.0121142	0.111161	0.0115936	0.109335	0.0105326	0.161114
0.119976	0.0131515	0.114557	0.012062	0.11073	0.00761779	0.156315
0.116757	0.0103795	0.11537	0.0143539	0.110709	0.00820042	0.149447
0.11976	0.0133118	0.113759	0.0126852	0.111451	0.00908741	0.159289
0.116324	0.012109	0.115878	0.0161959	0.112363	0.0106027	0.161113
0.11407	0.0134326	0.117864	0.0095703	0.112533	0.0097241	0.151005
0.118929	0.013987	0.117962	0.0130394	0.115973	0.00742504	0.155367
0.112528	0.0142674	0.118699	0.0147603	0.111351	0.00801164	0.151179
0.115467	0.0116095	0.116455	0.013001	0.112465	0.00626227	0.15099
0.115997	0.0127482	0.117199	0.00999868	0.115852	0.00920016	0.148608
0.117921	0.0142658	0.118403	0.0126529	0.116381	0.00747057	0.153271
0.116065	0.0112226	0.116911	0.0116672	0.114499	0.00825664	0.148804
0.11707	0.0112436	0.115186	0.0130972	0.116902	0.00834933	0.155221
0.121072	0.0121146	0.116236	0.0130681	0.116792	0.0107288	0.149554
0.116314	0.0135722	0.121118	0.0126381	0.11669	0.00833264	0.15104

0.119483	0.0134712	0.119406	0.0114989	0.118334	0.00799637	0.142269
0.127106	0.0139928	0.121059	0.0129529	0.120062	0.00855003	0.147912
0.119163	0.0141353	0.12556	0.0107001	0.119952	0.00805147	0.150607
0.125174	0.0118564	0.12268	0.0149585	0.120696	0.00893863	0.150098
0.124137	0.0147327	0.125319	0.0117904	0.121825	0.00992392	0.145599
0.126827	0.0142199	0.131911	0.013575	0.125968	0.0104449	0.149271
0.126994	0.0133714	0.128954	0.011646	0.127894	0.0111466	0.146207
0.129578	0.0153655	0.133899	0.0150805	0.127585	0.00892522	0.154732
0.131812	0.0117325	0.134126	0.0119092	0.126093	0.0106256	0.154176
0.132591	0.0149199	0.131537	0.0109294	0.129879	0.0106193	0.150355
0.128748	0.0141268	0.134457	0.0119196	0.13128	0.00853928	0.15331
0.133345	0.0133648	0.134958	0.0152801	0.133015	0.00898211	0.15843
0.136582	0.0133202	0.134534	0.011851	0.135017	0.0108925	0.154184
0.138386	0.0169455	0.135285	0.0145822	0.137144	0.0117821	0.153067
0.140049	0.0116715	0.140407	0.0121281	0.140074	0.00954814	0.152042
0.138681	0.0105405	0.137638	0.0101792	0.138872	0.00956613	0.155261
0.138787	0.0148804	0.14438	0.0143844	0.141546	0.00976785	0.158635
0.145747	0.0142234	0.144458	0.0119797	0.13917	0.00978675	0.159652
0.147458	0.014226	0.142396	0.0120494	0.144723	0.00937127	0.15631
0.144941	0.0126385	0.144791	0.0128454	0.143478	0.00857167	0.160901
0.145555	0.0158219	0.149694	0.0151822	0.148972	0.00836343	0.156739
0.151266	0.0173448	0.15198	0.0140668	0.147402	0.0101437	0.160881
0.15358	0.0149336	0.15065	0.0122329	0.149141	0.0121304	0.171541
0.155817	0.0162382	0.153143	0.0120528	0.15354	0.0120383	0.161166
0.155209	0.0138266	0.157278	0.0132148	0.154635	0.0114896	0.163658
0.157689	0.0142665	0.155228	0.0141783	0.154523	0.00981945	0.160297
0.155235	0.0143532	0.160557	0.0119961	0.158626	0.0119239	0.165805
0.158778	0.0152725	0.156118	0.0134256	0.160641	0.00787009	0.172904

	SB Ru		SB Rc		SB Rb	
std	mean	std	mean	std	mean	std
0.160022	0.414779	0.0396361	0.246999	0.0355575	0.219046	0.0237054
0.16577	0.41935	0.0391818	0.251183	0.0463229	0.225464	0.0283012
0.206033	0.419251	0.0398095	0.245345	0.0365502	0.221423	0.0219308
0.171586	0.413871	0.0383521	0.240785	0.0426016	0.224599	0.0212836
0.184532	0.410389	0.0365561	0.24347	0.0388571	0.220209	0.0197176
0.148431	0.412056	0.0378681	0.243633	0.0405405	0.22251	0.0259831
0.193611	0.40759	0.0379245	0.237773	0.0406711	0.221521	0.0184433
0.168888	0.401381	0.0338912	0.240675	0.038309	0.225026	0.0203709
0.176389	0.406426	0.0372156	0.238894	0.0358067	0.218111	0.0201055
0.172527	0.397683	0.0326627	0.239532	0.0384017	0.220209	0.02481
0.190425	0.405531	0.0430814	0.233267	0.0429858	0.219208	0.0241948
0.161995	0.403367	0.0388538	0.23921	0.0430773	0.213844	0.0229495
0.162602	0.395222	0.0368999	0.236391	0.0400993	0.216479	0.0237501
0.186156	0.398615	0.0313438	0.236967	0.0424654	0.217257	0.019222
0.186654	0.402177	0.0366532	0.23957	0.0386176	0.21929	0.0234442
0.194399	0.408318	0.0342755	0.241328	0.0416089	0.216931	0.0225813
0.187099	0.419174	0.0373018	0.237714	0.0439192	0.219767	0.0292699
0.16485	0.430185	0.0332631	0.245069	0.0426619	0.223269	0.0236013
0.179337	0.447275	0.036634	0.243699	0.0383746	0.228212	0.0186804
0.159489	0.480381	0.0358655	0.245426	0.0437852	0.237251	0.0235309
0.165406	0.50984	0.0422821	0.247269	0.04035	0.243977	0.025029
0.197574	0.537378	0.0449791	0.258171	0.0456306	0.249737	0.0264067
0.185353	0.561891	0.0495212	0.262633	0.0449508	0.255356	0.0313032
0.17414	0.589192	0.0498859	0.263091	0.0436256	0.266288	0.0261491
0.163043	0.602898	0.0550131	0.268014	0.0404423	0.269325	0.0296341
0.162079	0.605333	0.0491874	0.270719	0.0487615	0.275542	0.0308929
0.15601	0.599334	0.046535	0.266128	0.0443956	0.274284	0.0255819
0.174494	0.574484	0.0504109	0.263813	0.0455	0.266597	0.0253243
0.164734	0.54204	0.0469827	0.262365	0.0438652	0.260685	0.0319286
0.182823	0.506494	0.0355557	0.258535	0.0445171	0.258395	0.0253376
0.179726	0.479336	0.0412564	0.251627	0.0416743	0.247983	0.0326018
0.169899	0.450696	0.0360121	0.248331	0.0431184	0.246854	0.0280415
0.17532	0.428913	0.0299521	0.246648	0.0446053	0.245079	0.0270135
0.185129	0.422042	0.03451	0.243389	0.0452872	0.241654	0.0269365
0.189456	0.408039	0.0293579	0.24687	0.0444906	0.249726	0.0271943
0.18209	0.407933	0.0322783	0.245801	0.0443404	0.259872	0.0301359
0.195429	0.414621	0.0396938	0.250566	0.0412233	0.277791	0.0341378
0.169443	0.438689	0.0397684	0.257073	0.0460656	0.301789	0.0353424
0.179955	0.476361	0.0406175	0.275119	0.0471082	0.352458	0.0434241
0.202413	0.522055	0.0507679	0.292417	0.0489617	0.4366	0.0493406
0.203411	0.599969	0.0748351	0.330233	0.0570488	0.561215	0.0732286
0.24186	0.698031	0.0917319	0.374297	0.0717831	0.742332	0.0866274
0.303656	0.836977	0.121366	0.433196	0.0907014	0.98571	0.134976
0.31926	0.990951	0.141433	0.502639	0.110434	1.25159	0.182546
0.394536	1.14341	0.178969	0.587764	0.140717	1.56761	0.222819

0.420632	1.28568	0.226073	0.667085	0.157056	1.86813	0.256165
0.520988	1.40252	0.249954	0.742437	0.175464	2.14262	0.289038
0.554873	1.48735	0.274139	0.79659	0.191581	2.34299	0.328902
0.602498	1.50518	0.280148	0.822916	0.205557	2.45027	0.350094
0.604933	1.46969	0.275106	0.823344	0.201074	2.43444	0.342894
0.573879	1.38364	0.24771	0.796944	0.196706	2.29733	0.319785
0.525416	1.25249	0.205545	0.739779	0.183993	2.07287	0.280669
0.462485	1.12347	0.17336	0.678028	0.160496	1.8072	0.247623
0.391206	0.99204	0.14253	0.605555	0.142253	1.52015	0.197365
0.336138	0.870748	0.117453	0.527486	0.113274	1.22294	0.149434
0.306971	0.782109	0.0910478	0.466042	0.0956164	0.980306	0.132817
0.286734	0.72466	0.078848	0.419074	0.0818846	0.783347	0.108273
0.238991	0.709886	0.0653528	0.390516	0.0716093	0.640875	0.0836078
0.194521	0.738804	0.0686709	0.377867	0.0725376	0.559247	0.0646695
0.190783	0.853126	0.0828101	0.382455	0.070806	0.521708	0.0562581
0.217264	1.10376	0.129987	0.414189	0.0756218	0.554832	0.0652626
0.203042	1.55542	0.209171	0.500352	0.10054	0.677424	0.086533
0.253781	2.34215	0.345329	0.66796	0.135826	0.923079	0.119677
0.317715	3.64376	0.572464	0.937576	0.199493	1.34633	0.184922
0.383592	5.62537	0.926661	1.37171	0.313344	2.04834	0.280934
0.542937	8.44253	1.40865	2.01437	0.450914	3.06845	0.447785
0.750873	12.2101	2.04905	2.92299	0.661356	4.50316	0.660096
1.06537	16.8529	2.87702	4.131	0.950293	6.36087	0.935287
1.38095	22.1276	3.79694	5.59828	1.30941	8.61156	1.2528
1.78915	27.6748	4.74677	7.25256	1.70152	11.1332	1.63472
2.17842	32.803	5.67446	8.93467	2.13338	13.7215	2.0616
2.53349	36.8195	6.43405	10.4855	2.51131	15.9906	2.38812
2.90862	39.2923	6.87822	11.7283	2.79938	17.711	2.6499
3.05502	39.784	6.93486	12.4307	2.97403	18.6586	2.72887
3.02898	38.2154	6.61746	12.5689	3.00386	18.7991	2.77821
2.94936	34.884	6.02732	12.1025	2.89787	17.9197	2.65871
2.73256	30.31	5.26192	11.0648	2.64949	16.2397	2.39585
2.43959	25.0975	4.37385	9.63293	2.29325	14.0038	2.06507
2.08148	19.9156	3.4448	8.01363	1.91122	11.6049	1.70604
1.69195	15.2515	2.60462	6.41742	1.51561	9.18915	1.3531
1.3427	11.3054	1.90058	4.96812	1.18166	7.02319	1.03108
1.01744	8.21728	1.34788	3.73584	0.872079	5.20804	0.758673
0.81116	5.97628	0.958682	2.79073	0.639089	3.78015	0.571447
0.640996	4.35746	0.684798	2.07037	0.456461	2.73882	0.392251
0.500362	3.18835	0.486381	1.54169	0.334216	1.99315	0.292056
0.396618	2.35431	0.334799	1.15663	0.247063	1.44732	0.204247
0.304363	1.71533	0.229184	0.891641	0.187674	1.06649	0.151268
0.270885	1.2448	0.163976	0.711917	0.145544	0.810432	0.110011
0.238037	0.899874	0.113025	0.575207	0.109165	0.616842	0.0809196
0.227721	0.67836	0.0847103	0.462546	0.0813608	0.480845	0.0573667
0.200637	0.553018	0.0745453	0.394225	0.0726806	0.374114	0.048181
0.202568	0.519776	0.0460902	0.335109	0.0618823	0.301669	0.0419586

0.201751	0.564538	0.0558998	0.308778	0.059213	0.251713	0.0314285
0.178575	0.652739	0.0792542	0.296745	0.0584095	0.221957	0.0219746
0.154082	0.748911	0.0692138	0.290096	0.0541415	0.196997	0.0230328
0.160857	0.836583	0.0823285	0.289686	0.0512471	0.188548	0.0191509
0.172921	0.909331	0.0913932	0.284501	0.0517361	0.18424	0.0232631
0.190444	0.946955	0.082618	0.284743	0.0553594	0.188152	0.0245834
0.182423	0.948749	0.0801244	0.284315	0.0601538	0.188173	0.0251011
0.174235	0.92243	0.0838813	0.302104	0.0555074	0.195288	0.0244242
0.19396	0.882207	0.0803486	0.295961	0.0512778	0.200075	0.0224616
0.189818	0.82019	0.0688446	0.298639	0.0538295	0.202626	0.021926
0.19456	0.750233	0.0724076	0.29363	0.0594645	0.201318	0.0204065
0.179661	0.686684	0.0668843	0.286089	0.0564176	0.20144	0.0263339
0.188216	0.630613	0.0597287	0.276777	0.0602158	0.197753	0.0275165
0.165452	0.583034	0.0517372	0.274425	0.054987	0.190334	0.0316435
0.172059	0.539362	0.0503024	0.262882	0.0483742	0.186336	0.0300205
0.168784	0.506829	0.0425248	0.253696	0.0545172	0.178588	0.0281629
0.167617	0.493019	0.0464127	0.247937	0.0506259	0.176021	0.0261969
0.163091	0.480785	0.0498256	0.238044	0.0445792	0.169505	0.0240613
0.1701	0.468171	0.0500392	0.238755	0.0444248	0.168879	0.0265156
0.155226	0.460166	0.0442455	0.235559	0.0426678	0.166745	0.0286308
0.16378	0.463103	0.044424	0.229565	0.0416682	0.160602	0.0215446
0.157392	0.463384	0.0421288	0.229104	0.0427841	0.161322	0.0212841
0.167363	0.465225	0.0441868	0.228669	0.0433415	0.159296	0.0187902
0.159707	0.472918	0.0429315	0.230049	0.0445107	0.155979	0.0190128
0.176953	0.4846	0.0576437	0.234786	0.040864	0.155041	0.0186474
0.176211	0.500134	0.0579359	0.237706	0.043393	0.155096	0.0159533
0.162876	0.548624	0.0417728	0.24953	0.0446532	0.156999	0.0186099
0.150336	0.621829	0.0578389	0.263707	0.0492235	0.15732	0.018254
0.154159	0.733151	0.0755131	0.289869	0.053361	0.159332	0.0190356
0.165447	0.901361	0.0945223	0.328578	0.0633153	0.172497	0.0194035
0.167305	1.10062	0.120343	0.384146	0.0750933	0.189605	0.0225377
0.173985	1.36621	0.167179	0.455441	0.0899772	0.208135	0.0249998
0.210932	1.65545	0.215623	0.538877	0.104358	0.227542	0.0282125
0.232875	1.95597	0.253286	0.6445	0.131263	0.247282	0.0275734
0.267814	2.23596	0.286937	0.753832	0.160839	0.274658	0.0316162
0.315838	2.49923	0.34824	0.853796	0.186434	0.302387	0.0380221
0.356849	2.66634	0.360185	0.946176	0.20335	0.319498	0.0414578
0.369412	2.73463	0.357234	1.01835	0.222931	0.339123	0.0430333
0.379433	2.69635	0.355114	1.05405	0.231485	0.348079	0.0434706
0.390821	2.56921	0.342125	1.05275	0.22621	0.348633	0.0438207
0.378106	2.34373	0.327446	1.02065	0.227367	0.339182	0.043324
0.346855	2.0774	0.266492	0.954176	0.204884	0.317827	0.0394036
0.316508	1.79716	0.211083	0.863824	0.179553	0.293644	0.0393016
0.288181	1.50629	0.183903	0.759076	0.163811	0.27412	0.0367155
0.249607	1.24398	0.148201	0.649748	0.132611	0.251693	0.0296308
0.231684	1.0316	0.10605	0.553196	0.105403	0.220747	0.0287586
0.211538	0.869455	0.0817224	0.477328	0.094372	0.201049	0.0234934

0.208586	0.748016	0.0815606	0.410089	0.081813	0.187498	0.0201103
0.195352	0.657011	0.0618082	0.357823	0.072386	0.175309	0.0197475
0.178548	0.600478	0.0627628	0.327543	0.0628895	0.168888	0.022516
0.168031	0.566817	0.0577855	0.304567	0.0550219	0.164991	0.0229972
0.154599	0.552668	0.0524753	0.286818	0.0539314	0.161584	0.0209612
0.161134	0.537422	0.0458312	0.281349	0.0519544	0.158096	0.0186029
0.157125	0.518776	0.0529291	0.280024	0.0534809	0.159332	0.0186319
0.15934	0.510149	0.0544202	0.279765	0.0532175	0.159608	0.0193065
0.165537	0.491147	0.0503137	0.273552	0.0519362	0.15552	0.0160795
0.171677	0.481904	0.0469151	0.264783	0.0452813	0.15792	0.0165566
0.153937	0.46683	0.0459422	0.260609	0.0455169	0.157954	0.0214131
0.147496	0.457897	0.0440893	0.25744	0.0481641	0.155008	0.0190706
0.145908	0.442727	0.0399623	0.254546	0.0464386	0.155099	0.0166795
0.164254	0.439813	0.0444369	0.252066	0.0465109	0.154524	0.0178563
0.176856	0.452786	0.0434794	0.249115	0.0459794	0.157444	0.0157116
0.17255	0.476643	0.0449971	0.251344	0.0486539	0.160992	0.0130008
0.18349	0.511202	0.0545458	0.259534	0.0484861	0.163179	0.015409
0.202083	0.557362	0.061634	0.26881	0.050898	0.174221	0.0177616
0.263991	0.648317	0.0732325	0.279578	0.0525047	0.19107	0.0188579
0.345202	0.765752	0.0776672	0.302499	0.0521145	0.205246	0.0223158
0.435045	0.900999	0.0979088	0.335623	0.0578388	0.225712	0.0246639
0.610406	1.07931	0.128565	0.37266	0.0666694	0.262959	0.0312059
0.859032	1.29066	0.164403	0.409914	0.0785477	0.306288	0.0339434
1.16661	1.54737	0.198104	0.454475	0.0885999	0.35881	0.0408006
1.50178	1.79685	0.252396	0.512448	0.0979466	0.423893	0.0511654
1.89809	2.0345	0.293679	0.573939	0.109909	0.487563	0.0609923
2.36437	2.28126	0.334839	0.63857	0.126426	0.548578	0.0711326
2.77441	2.45143	0.351943	0.69737	0.138002	0.612241	0.0782725
3.15346	2.57729	0.385454	0.739495	0.144443	0.67392	0.0726579
3.46552	2.60156	0.387041	0.775923	0.150823	0.713847	0.0828939
3.63319	2.57066	0.371819	0.79309	0.152345	0.734847	0.0924278
3.65226	2.47152	0.355611	0.792396	0.149758	0.737372	0.0841013
3.47961	2.32149	0.303208	0.779075	0.147059	0.722181	0.0835424
3.18836	2.18482	0.259645	0.752909	0.139801	0.68891	0.0888289
2.87428	2.06505	0.236225	0.720224	0.13796	0.64479	0.0874173
2.55533	1.97998	0.194747	0.693174	0.139398	0.608436	0.078461
2.20692	1.96384	0.175529	0.679532	0.133124	0.584037	0.0773579
1.83612	1.99468	0.164553	0.666186	0.128026	0.56717	0.0813974
1.59583	2.07006	0.174311	0.671707	0.132292	0.56766	0.0839056
1.4796	2.17723	0.194131	0.693818	0.135742	0.584783	0.0934254
1.44991	2.28556	0.195554	0.726679	0.146817	0.606949	0.104334
1.56628	2.36676	0.215895	0.767673	0.159611	0.6368	0.112589
1.68866	2.40594	0.209415	0.791789	0.162727	0.670722	0.124168
1.73552	2.41933	0.208862	0.818673	0.171734	0.690981	0.126026
1.81636	2.36217	0.211076	0.839346	0.179995	0.693454	0.126251
1.8523	2.24518	0.203679	0.832831	0.174747	0.686935	0.128935
1.8061	2.10134	0.186873	0.816741	0.170884	0.669041	0.121772

1.70688	1.93437	0.161422	0.788875	0.167475	0.63417	0.112344
1.55182	1.78388	0.140806	0.744311	0.152752	0.596299	0.103505
1.37442	1.63516	0.136441	0.696915	0.142706	0.552556	0.087516
1.21717	1.51364	0.117082	0.653203	0.130915	0.504783	0.0736265
1.0319	1.41792	0.130858	0.606419	0.117693	0.4587	0.0662973
0.871395	1.35424	0.154494	0.571357	0.111086	0.417985	0.0577794
0.738234	1.32246	0.153872	0.539422	0.0964943	0.389124	0.0499428
0.606248	1.29738	0.176582	0.512652	0.0904162	0.360146	0.0419667
0.520106	1.30093	0.205855	0.49515	0.0863253	0.336816	0.0367855
0.432181	1.29498	0.212551	0.478322	0.0790497	0.318	0.0313562
0.330893	1.28183	0.226583	0.466585	0.0802231	0.302196	0.0281696
0.294268	1.24224	0.236544	0.452354	0.0802325	0.285984	0.0275213
0.235627	1.20135	0.23554	0.4412	0.0760733	0.267445	0.0318281
0.216414	1.1731	0.220129	0.431418	0.0755095	0.255995	0.0331037
0.227346	1.11667	0.211236	0.416802	0.0741999	0.244472	0.02852
0.195806	1.0483	0.187765	0.402647	0.0708396	0.231759	0.0282533
0.179996	0.980288	0.177256	0.387008	0.0743008	0.220505	0.0256265
0.179312	0.918492	0.157258	0.374476	0.0730607	0.212796	0.0249635
0.177999	0.863146	0.134505	0.363614	0.0696689	0.201451	0.0216684
0.165103	0.808613	0.109214	0.357273	0.069115	0.191564	0.0226112
0.161259	0.763783	0.0965207	0.351541	0.0707793	0.185493	0.0237966
0.165491	0.724996	0.085409	0.346203	0.0713323	0.184153	0.0229235
0.160775	0.696142	0.073047	0.33978	0.0681469	0.186644	0.022013
0.155469	0.688602	0.057198	0.335277	0.0656545	0.183802	0.0239503
0.15816	0.67567	0.0657209	0.344636	0.0734224	0.182462	0.0222661
0.167998	0.668129	0.0633623	0.348353	0.0751263	0.188272	0.0213031
0.147215	0.678123	0.0638557	0.35004	0.072992	0.194529	0.0223557
0.133963	0.695654	0.0665904	0.362858	0.0772024	0.204572	0.0221784
0.159267	0.707233	0.0592568	0.37102	0.0766269	0.219833	0.0266239
0.169077	0.728111	0.0620194	0.383261	0.0779693	0.240046	0.0305457
0.184832	0.757625	0.0730086	0.398179	0.0797105	0.276417	0.0374056
0.184231	0.808231	0.0911439	0.42905	0.0867582	0.334225	0.0454802
0.187061	0.888503	0.104915	0.472992	0.104659	0.414789	0.0582545
0.203635	0.989288	0.147048	0.535061	0.126221	0.533476	0.0754359
0.232789	1.12715	0.197747	0.622159	0.158303	0.707991	0.103437
0.273296	1.30614	0.250731	0.738947	0.206158	0.952198	0.144358
0.333704	1.54525	0.327318	0.892795	0.271183	1.26327	0.189557
0.421772	1.80915	0.428082	1.10512	0.366338	1.64555	0.251925
0.493954	2.07187	0.525099	1.34861	0.4697	2.09529	0.323979
0.615027	2.34832	0.6212	1.60521	0.581613	2.60486	0.400865
0.726601	2.60798	0.708442	1.8853	0.693239	3.14987	0.488037
0.858675	2.80599	0.783777	2.17807	0.820622	3.67608	0.576976
0.98145	2.96101	0.834631	2.42995	0.921284	4.11252	0.63827
1.04404	3.01803	0.867073	2.61347	1.01394	4.43672	0.697568
1.05571	2.99844	0.868046	2.73104	1.07224	4.64042	0.727157
1.05319	2.87266	0.813532	2.77487	1.09063	4.66712	0.726697
1.0447	2.66509	0.730663	2.73677	1.065	4.52328	0.714358

1.02438	2.41506	0.641119	2.59692	0.998794	4.22464	0.655836
0.960508	2.13711	0.538906	2.38771	0.914769	3.81116	0.598718
0.834119	1.86687	0.450141	2.14531	0.811562	3.30921	0.522871
0.725458	1.61422	0.35758	1.86289	0.679517	2.77818	0.43674
0.664389	1.39522	0.281396	1.57529	0.548794	2.25347	0.343531
0.53966	1.22077	0.190838	1.3253	0.437114	1.77442	0.279358
0.404033	1.091	0.14244	1.10463	0.338937	1.35896	0.215263
0.322197	1.02984	0.130927	0.916149	0.262771	1.02998	0.154315
0.26498	0.999771	0.104177	0.777405	0.203518	0.766878	0.117494
0.200738	1.02287	0.113112	0.680333	0.161343	0.569959	0.0865421
0.191812	1.0728	0.10621	0.622553	0.14084	0.440766	0.0661403
0.196447	1.16356	0.123774	0.585168	0.123361	0.353883	0.0472697
0.185007	1.32398	0.152098	0.577926	0.117987	0.302526	0.0379307
0.158504	1.52816	0.164754	0.600636	0.125148	0.285166	0.0366403
0.16518	1.83986	0.200462	0.641628	0.14006	0.285903	0.0339081
0.165343	2.28161	0.241063	0.711369	0.150221	0.304102	0.032995
0.176781	2.97141	0.312235	0.815179	0.171888	0.343121	0.0412645
0.166894	4.05505	0.440543	0.966786	0.203758	0.394629	0.0522589
0.171295	5.74313	0.628074	1.19566	0.251982	0.46533	0.0567554
0.204379	8.38141	0.917134	1.54095	0.334885	0.55987	0.0655621
0.233865	12.4056	1.33707	2.05498	0.459993	0.678172	0.0839173
0.268688	18.4923	1.97796	2.83072	0.620686	0.804052	0.103555
0.276409	27.298	2.95891	4.02139	0.881526	0.972153	0.126149
0.306787	39.7666	4.34894	5.73171	1.26589	1.19256	0.155451
0.387316	56.6119	6.22428	8.16561	1.81362	1.46168	0.188494
0.475231	78.3704	8.6131	11.5597	2.59571	1.81243	0.23374
0.575863	105.103	11.6619	16.0411	3.62427	2.23488	0.281961
0.706292	136.663	15.0444	21.7353	4.9341	2.73948	0.354119
0.873879	171.932	18.8688	28.7174	6.52448	3.34365	0.43364
1.06766	208.599	22.9286	36.7636	8.36496	4.02534	0.514927
1.28853	244.311	26.762	45.6023	10.41	4.75021	0.61474
1.48078	276.027	30.1598	54.7337	12.4443	5.4706	0.708985
1.7154	300.771	33.0485	63.4784	14.4096	6.17501	0.794177
1.91459	315.942	34.5749	71.1436	16.1931	6.76637	0.889364
2.121	319.66	34.904	76.9843	17.549	7.16651	0.958337
2.21995	311.934	34.1207	80.3603	18.2882	7.36714	0.981657
2.1869	293.258	31.9574	80.8958	18.4044	7.31548	0.968255
2.13807	265.994	29.1223	78.6998	17.9533	7.00791	0.933576
1.98354	232.175	25.4698	73.871	16.7763	6.48629	0.866342
1.81087	195.567	21.5322	66.8446	15.1272	5.83097	0.764528
1.63395	158.707	17.3056	58.3529	13.2221	5.07112	0.660088
1.38569	124.291	13.6039	49.1925	11.1685	4.26023	0.555368
1.14481	94.0059	10.2653	40.0522	9.11193	3.46254	0.44974
0.939361	68.5629	7.55858	31.5075	7.16621	2.72086	0.35341
0.7321	48.3875	5.21479	23.9645	5.44275	2.07515	0.27
0.585496	33.1661	3.61575	17.6288	3.98897	1.53274	0.197927
0.476776	22.1363	2.4503	12.5612	2.85286	1.12479	0.144973

0.36452	14.5889	1.59693	8.68895	1.97818	0.815594	0.108366
0.295287	9.6333	1.05062	5.8865	1.33105	0.586025	0.0806417
0.251891	6.59916	0.701319	3.93434	0.895154	0.436818	0.0551451
0.233237	4.90536	0.518745	2.65832	0.606203	0.339204	0.0381174
0.202658	4.15864	0.459353	1.86528	0.421588	0.283039	0.0331798
0.195601	4.12452	0.436774	1.42217	0.31767	0.248812	0.0323331
0.195085	4.66599	0.507012	1.2266	0.274567	0.235329	0.030931
0.179603	5.76921	0.640019	1.21364	0.270153	0.240601	0.0302998
0.184354	7.4146	0.846357	1.37688	0.301387	0.257355	0.0273158
0.222827	9.58861	1.06609	1.66927	0.36385	0.291364	0.0324125
0.234451	12.3926	1.38606	2.09677	0.443474	0.332689	0.0378496
0.222675	15.8511	1.76991	2.68469	0.572698	0.387243	0.045733
0.225669	19.8973	2.1997	3.43709	0.743404	0.460696	0.0552112
0.23536	24.4516	2.76818	4.35069	0.931736	0.544223	0.0668222
0.257291	29.0733	3.26394	5.39723	1.15401	0.650716	0.0824423
0.273345	33.6665	3.76085	6.56132	1.4188	0.763744	0.0952968
0.314878	37.8128	4.22402	7.77408	1.68735	0.86667	0.11285
0.350744	41.1351	4.61502	8.93062	1.92661	0.964188	0.123027
0.380592	43.2526	4.77553	9.97394	2.15403	1.05924	0.127202
0.414932	43.9461	4.91366	10.7978	2.33133	1.1283	0.136751
0.408291	43.3091	4.86113	11.3379	2.41757	1.16492	0.141304
0.402337	41.1487	4.51635	11.5492	2.46503	1.18096	0.143656
0.422955	37.8252	4.18775	11.3711	2.45167	1.15592	0.143971
0.402062	33.6124	3.73391	10.8373	2.33584	1.09509	0.13961
0.378027	28.9356	3.17754	9.98093	2.14808	1.01996	0.121146
0.391215	23.9887	2.67446	8.88796	1.90285	0.916281	0.108973
0.35582	19.2363	2.12334	7.68011	1.63662	0.8016	0.106865
0.302892	14.9006	1.62061	6.42992	1.38391	0.694175	0.0911108
0.269537	11.2031	1.24825	5.20791	1.11443	0.585694	0.0683918
0.25632	8.16731	0.897816	4.08978	0.876545	0.494386	0.055018
0.234812	5.75848	0.622969	3.11307	0.66669	0.412923	0.0468616
0.215638	3.96282	0.425562	2.29899	0.490785	0.338997	0.0406233
0.20956	2.65207	0.28083	1.64461	0.339924	0.285035	0.03493
0.193767	1.75287	0.176816	1.15582	0.236008	0.246511	0.0301776
0.18463	1.15255	0.11926	0.804753	0.167934	0.216011	0.0277268
0.196863	0.75222	0.0616321	0.551646	0.114126	0.192769	0.0266002
0.169753	0.506909	0.0481993	0.382109	0.0792216	0.180502	0.0253503
0.167208	0.362724	0.0337335	0.269737	0.0553222	0.173193	0.0240138
0.183412	0.281363	0.0238308	0.197681	0.0390885	0.167262	0.0221116
0.18248	0.234124	0.0166445	0.15415	0.0289387	0.16438	0.0211213
0.182121	0.20701	0.0192809	0.129995	0.0261451	0.166708	0.023508
0.185889	0.197873	0.0172684	0.113788	0.0228414	0.170361	0.023664
0.211282	0.191767	0.0154614	0.103413	0.0202582	0.169486	0.0227189
0.200126	0.186963	0.0156058	0.0996979	0.0218506	0.168319	0.0253497
0.199387	0.190523	0.0201605	0.0997846	0.0224863	0.16863	0.0231887
0.209777	0.188627	0.0161383	0.0988547	0.0219518	0.171468	0.0245505
0.194355	0.190322	0.0141799	0.0994506	0.0228482	0.173218	0.0282257

0.198765	0.192102	0.0171661	0.0985683	0.0242527	0.177917	0.0261348
0.204147	0.199308	0.0200549	0.0970648	0.0234554	0.183889	0.028003
0.195397	0.199326	0.0204313	0.0992521	0.0214846	0.188298	0.0297735
0.193201	0.205697	0.0238199	0.1025	0.0193513	0.194302	0.0296095
0.209717	0.208873	0.0252635	0.103163	0.02199	0.203488	0.0335941
0.206325	0.212258	0.0230074	0.103118	0.0237582	0.216905	0.0395995
0.218796	0.218726	0.0204418	0.107149	0.0239229	0.237668	0.045287
0.218917	0.229298	0.0258348	0.112688	0.0242674	0.271404	0.0595414
0.234838	0.242397	0.0297456	0.118982	0.0269296	0.318512	0.0814513
0.259214	0.261053	0.0334557	0.131209	0.0304205	0.387853	0.113254
0.261253	0.284598	0.0426304	0.143373	0.0326001	0.485415	0.157354
0.252833	0.315305	0.0495054	0.158145	0.0356143	0.620356	0.217699
0.260103	0.353489	0.070448	0.183308	0.0423039	0.804346	0.300584
0.290524	0.400307	0.0768463	0.209256	0.0494222	1.0354	0.413638
0.332115	0.445493	0.0915985	0.242893	0.0599416	1.32885	0.544966
0.374999	0.497081	0.115894	0.29083	0.0735528	1.68536	0.711647
0.4306	0.553543	0.138522	0.334566	0.085441	2.09264	0.908915
0.486546	0.607212	0.160115	0.383068	0.100335	2.53779	1.11493
0.585383	0.654231	0.175781	0.436075	0.115559	2.99986	1.35028
0.651267	0.700043	0.198575	0.489876	0.131949	3.45608	1.58117
0.674209	0.733227	0.220587	0.537192	0.15018	3.85858	1.78246
0.710393	0.741809	0.223575	0.5788	0.159295	4.20671	1.96204
0.785517	0.735195	0.21643	0.602719	0.164185	4.43583	2.05594
0.832314	0.721508	0.208029	0.615999	0.163966	4.5412	2.1197
0.797494	0.691028	0.210182	0.617558	0.163707	4.50802	2.12386
0.801526	0.650417	0.188036	0.600692	0.162793	4.33348	2.02995
0.767366	0.59752	0.151934	0.568573	0.155573	4.05291	1.89721
0.712771	0.548644	0.14319	0.531557	0.144132	3.70079	1.72652
0.684434	0.489929	0.120367	0.486213	0.132595	3.25931	1.52366
0.601243	0.435851	0.0950606	0.433719	0.111881	2.79441	1.2984
0.559631	0.392	0.0759368	0.379602	0.0941799	2.33878	1.06292
0.511091	0.358017	0.0599978	0.327227	0.0825611	1.9031	0.836695
0.491934	0.327066	0.050012	0.278693	0.0688717	1.52923	0.663687
0.484041	0.300183	0.044633	0.241794	0.0561971	1.20018	0.486578
0.494985	0.287084	0.0325455	0.211209	0.0436469	0.92906	0.363366
0.488875	0.277279	0.0230789	0.185504	0.0367456	0.719742	0.260875
0.434322	0.273386	0.0256938	0.168382	0.0363774	0.574505	0.180483
0.433709	0.267594	0.0245257	0.152881	0.0319647	0.46586	0.132756
0.462747	0.26476	0.0251188	0.146346	0.0301913	0.394361	0.0901936
0.454565	0.266132	0.0237251	0.140275	0.0281151	0.347223	0.0711231
0.459256	0.264302	0.0227372	0.134861	0.0268965	0.308523	0.0570991
0.469886	0.265198	0.0203939	0.134541	0.0289634	0.286747	0.0523803
0.503883	0.26629	0.0192212	0.130591	0.0286315	0.276006	0.0436421
0.467901	0.270475	0.0209615	0.135186	0.0276782	0.269635	0.0372518
0.444926	0.272652	0.0223048	0.135444	0.0272935	0.266712	0.0328994
0.480923	0.280089	0.0214074	0.133073	0.0294522	0.269315	0.0322772
0.512567	0.281561	0.0202344	0.136929	0.0282287	0.276721	0.034798

0.479486	0.285391	0.024223	0.141224	0.0306677	0.281628	0.0364699
0.480046	0.292868	0.0222008	0.142641	0.0302105	0.296273	0.0425639
0.448061	0.305886	0.0241197	0.147336	0.03441	0.317892	0.043517
0.435445	0.310749	0.02553	0.153447	0.0357153	0.334809	0.045883
0.440175	0.320321	0.0295099	0.163906	0.0352219	0.355043	0.0526614
0.426905	0.331099	0.0237998	0.168019	0.0371316	0.384026	0.0593045
0.424421	0.342707	0.0290757	0.174767	0.0410644	0.424184	0.0644552
0.438124	0.361073	0.0314123	0.181982	0.0403164	0.467323	0.0768737
0.411337	0.367519	0.0350936	0.193686	0.0476184	0.503158	0.0980425
0.400695	0.381707	0.0388362	0.200576	0.0453254	0.553966	0.10603
0.404137	0.399431	0.0391835	0.211658	0.051959	0.610267	0.128802
0.379301	0.412799	0.048803	0.218419	0.0543121	0.679604	0.157047
0.380649	0.429057	0.0531026	0.23048	0.0556503	0.740739	0.176684
0.37955	0.448407	0.0580534	0.238617	0.0569567	0.808468	0.213261
0.379863	0.460932	0.0627101	0.248458	0.0553872	0.888143	0.249111
0.392551	0.473176	0.0689127	0.256474	0.0540786	0.959492	0.272503
0.367919	0.483464	0.06043	0.268824	0.0535183	1.02434	0.303942
0.394116	0.489441	0.0649455	0.269968	0.0531424	1.05911	0.317291
0.384328	0.488788	0.0679588	0.278932	0.0584762	1.08693	0.320969
0.413025	0.492238	0.0731597	0.279351	0.0577313	1.09184	0.328278
0.374756	0.490807	0.0672521	0.278822	0.0585405	1.07889	0.321111
0.363063	0.483555	0.0727359	0.27683	0.0533982	1.04578	0.31555
0.336077	0.475834	0.0714451	0.276643	0.057282	0.992051	0.284055
0.358512	0.463601	0.0687355	0.269569	0.0539627	0.935675	0.264271
0.353552	0.452255	0.0597076	0.259222	0.0483981	0.861229	0.231908
0.362549	0.441546	0.0619708	0.250953	0.0436082	0.787663	0.208747
0.355375	0.427858	0.0573399	0.23777	0.0462286	0.710921	0.173381
0.306924	0.417899	0.059459	0.231577	0.0424421	0.644127	0.150495
0.291642	0.411414	0.0600052	0.223293	0.0349385	0.586939	0.120758
0.307576	0.399316	0.0543517	0.21192	0.0361263	0.532873	0.0980453
0.310326	0.392742	0.0513102	0.205719	0.0373933	0.486785	0.0966524
0.295856	0.385896	0.0493079	0.202022	0.0336453	0.451033	0.0837427
0.291507	0.38234	0.0484484	0.198845	0.0340082	0.426003	0.0807738
0.281027	0.376008	0.0526076	0.196344	0.0307973	0.40632	0.0821446
0.275311	0.377478	0.0499922	0.195863	0.0325632	0.395132	0.0824815
0.271227	0.376876	0.0471855	0.194074	0.0312663	0.382976	0.0781067
0.275428	0.367235	0.0454157	0.190635	0.0306002	0.378464	0.0737101
0.282193	0.364271	0.0456539	0.19569	0.0314604	0.380566	0.0756953
0.274227	0.3582	0.0446466	0.194642	0.0307029	0.379737	0.0687589
0.29159	0.35379	0.0419382	0.193704	0.0344392	0.377141	0.0701277
0.269596	0.35258	0.0390377	0.200869	0.0369015	0.378963	0.0772261
0.286023	0.347298	0.0441226	0.194122	0.0340023	0.374017	0.0741249
0.283282	0.34595	0.0359601	0.198759	0.0336537	0.372275	0.0729559
0.290009	0.34843	0.0333665	0.19851	0.0332483	0.377857	0.0700233
0.317937	0.34726	0.0364751	0.192075	0.0364655	0.371953	0.0645912
0.285453	0.341279	0.0360724	0.191477	0.0343068	0.362607	0.0690339
0.28932	0.340011	0.0370476	0.195132	0.032419	0.367726	0.0596109

0.283624	0.338374	0.0347176	0.194649	0.0315497	0.370765	0.0578565
0.293823	0.339693	0.0385408	0.19054	0.0328529	0.366004	0.056336
0.271934	0.338343	0.0312017	0.189129	0.0312662	0.364576	0.0541807
0.29637	0.343967	0.0281184	0.189004	0.0365332	0.362606	0.0486983
0.318947	0.349372	0.0315589	0.191492	0.0330416	0.361262	0.0508518
0.296444	0.365015	0.0387823	0.195344	0.0294612	0.365807	0.0456158
0.3435	0.375971	0.0431871	0.201712	0.0330712	0.365161	0.0409401
0.329053	0.39779	0.0512116	0.207746	0.035293	0.379882	0.0469186
0.397206	0.42352	0.0608825	0.217739	0.0442171	0.39297	0.0538143
0.448652	0.453331	0.0727065	0.225836	0.0421401	0.422651	0.0514414
0.428543	0.488401	0.0968175	0.246945	0.0519135	0.437036	0.0565618
0.534778	0.53496	0.122317	0.267123	0.0618256	0.46998	0.0637013
0.591345	0.571774	0.141024	0.292266	0.07088	0.510222	0.074709
0.703508	0.608121	0.163888	0.322651	0.101284	0.54978	0.0862812
0.794583	0.644719	0.185703	0.348094	0.110957	0.595116	0.0997288
0.893829	0.673271	0.210287	0.384455	0.131852	0.637067	0.118732
1.04419	0.692244	0.219829	0.423048	0.151405	0.678052	0.129087
1.1206	0.712531	0.219171	0.442555	0.169149	0.710746	0.133774
1.18026	0.725947	0.212831	0.459251	0.173803	0.740785	0.147253
1.2682	0.723694	0.218333	0.480028	0.184704	0.752311	0.156063
1.28299	0.702966	0.203847	0.486495	0.184246	0.769001	0.156362
1.3078	0.681779	0.188145	0.492925	0.189847	0.765853	0.140092
1.3373	0.654712	0.173303	0.480469	0.188491	0.744358	0.153085
1.21149	0.62065	0.142377	0.461392	0.17055	0.715924	0.135296
1.12294	0.596443	0.124155	0.453711	0.16779	0.691281	0.128685
1.06681	0.568649	0.110463	0.417285	0.138445	0.652741	0.121729
0.907683	0.53244	0.0886932	0.394842	0.128029	0.599265	0.10161
0.831469	0.506824	0.0768048	0.366112	0.117147	0.567747	0.0833955
0.692919	0.487438	0.0611439	0.3403	0.100132	0.537114	0.0810465
0.625329	0.465248	0.048636	0.312692	0.0796104	0.497884	0.0721645
0.548307	0.4484	0.043142	0.293246	0.0706107	0.4696	0.0634993
0.460787	0.442317	0.0391011	0.278959	0.0658632	0.451119	0.0549394
0.470242	0.436441	0.0373051	0.261205	0.0584194	0.430741	0.0601912
0.396925	0.435844	0.0366166	0.251172	0.0560811	0.419792	0.0548619
0.380844	0.429451	0.0346282	0.244436	0.0510566	0.413373	0.047838
0.393427	0.429707	0.0349235	0.243172	0.0575648	0.405737	0.0469284
0.378897	0.432711	0.0346092	0.232356	0.0479726	0.401545	0.0513337
0.414616	0.440352	0.0416407	0.234629	0.0518663	0.401063	0.0463017
0.381466	0.445277	0.0368202	0.232933	0.0567834	0.399191	0.044605
0.330583	0.45152	0.0468856	0.231184	0.0551096	0.397759	0.0457713
0.32476	0.456506	0.0457967	0.233435	0.0500724	0.390367	0.0445316
0.353219	0.464406	0.0477797	0.235431	0.0587181	0.404338	0.0466189
0.403963	0.464667	0.0454788	0.234016	0.0541465	0.396389	0.0473597
0.340748	0.469363	0.0489783	0.238847	0.0561782	0.402124	0.0568162
0.390254	0.480917	0.0526268	0.23891	0.0577274	0.412607	0.0532457
0.361019	0.491975	0.0477667	0.239514	0.0542661	0.415621	0.0602198
0.366686	0.500803	0.0508172	0.241133	0.0577705	0.416954	0.0590726

0.334409	0.512036	0.057327	0.245288	0.0584729	0.415861	0.0583236
0.334572	0.52361	0.0586562	0.253826	0.0572301	0.433366	0.0761684
0.354397	0.534575	0.0611116	0.251648	0.0564633	0.440863	0.0859735
0.404465	0.552252	0.05731	0.265902	0.0541382	0.448147	0.092416
0.353417	0.571522	0.0627667	0.265077	0.0561717	0.462679	0.113081
0.378221	0.592655	0.0619286	0.277657	0.057807	0.483372	0.123212
0.385356	0.618338	0.0630686	0.286193	0.0621336	0.492613	0.136886
0.423764	0.648172	0.0600547	0.300416	0.0563486	0.523379	0.153678
0.466223	0.6902	0.0672015	0.316725	0.0555505	0.554373	0.163932
0.462513	0.735999	0.0793012	0.340048	0.0582307	0.586894	0.172219
0.492188	0.797919	0.0749817	0.364728	0.0570977	0.630933	0.176971
0.539728	0.854376	0.083675	0.39714	0.0698721	0.684925	0.189104
0.593269	0.921618	0.0919713	0.442137	0.074501	0.750045	0.177215
0.681703	0.9799	0.102314	0.494166	0.0845099	0.822689	0.186468
0.711132	1.04959	0.100289	0.547035	0.0953475	0.915648	0.185285
0.806525	1.11515	0.111439	0.601289	0.116908	0.98759	0.196725
0.935542	1.1589	0.121583	0.66275	0.13189	1.06946	0.19213
1.03953	1.20217	0.126275	0.722212	0.13706	1.15412	0.208856
1.10596	1.22799	0.115905	0.771166	0.1417	1.21542	0.185757
1.19798	1.24342	0.125696	0.82157	0.156401	1.27468	0.181972
1.25335	1.23796	0.131843	0.860598	0.170507	1.32341	0.194486
1.26674	1.21076	0.129443	0.874177	0.172768	1.35676	0.180684
1.39346	1.17744	0.128508	0.877073	0.174673	1.35358	0.170946
1.28953	1.13822	0.121773	0.874015	0.169088	1.33169	0.175599
1.2724	1.08245	0.107369	0.848094	0.159512	1.28133	0.170977
1.18677	1.01939	0.0923853	0.816556	0.149724	1.2281	0.145281
1.14523	0.959515	0.0843269	0.768536	0.139898	1.15411	0.145809
1.05906	0.908932	0.0851578	0.721166	0.134635	1.0934	0.132757
1.04951	0.848055	0.0716519	0.673565	0.11972	0.999141	0.116658
0.914169	0.79847	0.0640948	0.607834	0.106081	0.933809	0.120068
0.862519	0.756643	0.058822	0.557092	0.0911928	0.856746	0.0939447
0.833132	0.722452	0.056677	0.513532	0.0893557	0.791585	0.0954774
0.766016	0.692784	0.0554346	0.468541	0.0813546	0.735071	0.0811952
0.697188	0.669286	0.0595939	0.445982	0.0788157	0.702996	0.0703068
0.720437	0.644298	0.0543259	0.407812	0.0688536	0.654694	0.0655283
0.680983	0.627374	0.0498818	0.394423	0.0693227	0.638622	0.0612402
0.699999	0.614612	0.0522305	0.373747	0.0640568	0.61315	0.0634182
0.65339	0.602556	0.0523941	0.360642	0.064085	0.606194	0.0584741
0.676062	0.600437	0.0520977	0.357729	0.0717773	0.606317	0.0499105
0.705047	0.599846	0.0501272	0.348788	0.065604	0.602476	0.0502971
0.745155	0.588492	0.0527778	0.34706	0.0654982	0.602196	0.0581046
0.771886	0.586565	0.0471047	0.346056	0.0611277	0.614942	0.0462526
0.7218	0.585814	0.0557068	0.347696	0.0703055	0.632585	0.0546557
0.860991	0.587189	0.0597443	0.349467	0.0689336	0.625461	0.0593916
0.798548	0.597569	0.0606842	0.349246	0.0687127	0.659119	0.061241
0.870843	0.607401	0.0625854	0.361075	0.0754383	0.670905	0.0648628
0.861564	0.626962	0.0681339	0.365762	0.0732358	0.706396	0.058183

1.07279	0.657798	0.078679	0.368591	0.073338	0.748654	0.0642073
1.1039	0.697703	0.0905234	0.385495	0.0864582	0.802743	0.0766527
1.2166	0.756659	0.101686	0.408111	0.0888236	0.871327	0.0713357
1.3809	0.866712	0.141175	0.437551	0.0976833	0.985489	0.100265
1.66068	1.02118	0.186568	0.474868	0.118689	1.14465	0.099102
2.05264	1.25242	0.251674	0.536511	0.139913	1.40254	0.132939
2.53178	1.58237	0.360383	0.64647	0.186417	1.75713	0.160997
3.53636	2.03715	0.492013	0.795657	0.229813	2.29496	0.214554
4.46693	2.66385	0.697632	1.00131	0.337886	3.08297	0.280945
6.3201	3.50103	0.957707	1.30326	0.436778	4.15416	0.363372
8.80965	4.57599	1.29247	1.73502	0.619932	5.66729	0.504527
12.1371	5.93178	1.7426	2.30481	0.84928	7.68128	0.665466
16.3524	7.55976	2.22774	3.0801	1.15952	10.3583	0.921693
21.7905	9.47848	2.81905	4.07925	1.56075	13.7564	1.28922
28.8871	11.6463	3.47515	5.2999	2.05533	17.9028	1.58111
36.9856	13.9727	4.21035	6.81219	2.64751	22.7908	2.07478
47.2077	16.4544	4.95215	8.53117	3.32292	28.4736	2.62301
59.1444	18.8764	5.77182	10.5238	4.13052	34.8362	3.23421
71.3179	21.1195	6.48406	12.6163	4.96955	41.4284	3.76185
83.9831	23.0558	7.064	14.8104	5.78641	48.3172	4.49601
97.4547	24.5471	7.51067	16.9769	6.66282	54.8546	5.16745
110.626	25.4989	7.75338	19.0446	7.53979	60.7473	5.60481
120.904	25.8543	7.91146	20.8463	8.20873	65.7786	6.08034
130.133	25.5682	7.81083	22.1464	8.72621	69.165	6.51586
136.315	24.5991	7.49717	22.9565	9.09012	71.0412	6.65515
138.065	23.1701	7.03853	23.3481	9.23555	71.1657	6.75469
138.966	21.2308	6.40434	23.0778	9.09575	69.5385	6.66104
134.992	19.0353	5.73417	22.2221	8.78167	66.1697	6.33425
126.999	16.6273	4.9526	20.8848	8.20776	61.3628	5.88699
116.651	14.2027	4.21297	19.1821	7.53238	55.5451	5.30132
105.279	11.8697	3.50348	17.1643	6.73402	49.1532	4.79761
93.0746	9.72116	2.83011	14.9821	5.89349	42.3293	4.09695
80.1195	7.78789	2.24175	12.7585	4.91494	35.5958	3.54082
67.1034	6.13921	1.72404	10.6271	4.12104	29.159	2.85697
55.4222	4.79814	1.30303	8.67006	3.34135	23.3846	2.34296
44.3065	3.72744	0.952541	6.88162	2.61987	18.3032	1.80481
34.868	2.90462	0.690578	5.3681	2.00318	14.0027	1.36465
26.2886	2.27251	0.488293	4.139	1.52361	10.4951	1.04319
20.0783	1.81366	0.338936	3.11617	1.14233	7.71	0.761811
14.6221	1.48735	0.239591	2.32424	0.793567	5.58116	0.536254
10.5904	1.27544	0.173582	1.73918	0.570606	4.0226	0.408542
7.66741	1.12414	0.13498	1.30439	0.401079	2.89151	0.293672
5.49714	1.03835	0.108238	1.00042	0.279016	2.09028	0.193954
3.94747	0.976321	0.0901172	0.781852	0.200022	1.54	0.149505
2.80515	0.937873	0.083513	0.63751	0.157571	1.16088	0.114471
2.17489	0.916148	0.0765444	0.539808	0.114717	0.927858	0.0851394
1.649	0.904194	0.0569866	0.477916	0.0948945	0.78089	0.076989

1.29427	0.894505	0.0642197	0.441993	0.0711823	0.694851	0.0628987
1.00349	0.897566	0.0621366	0.418793	0.0710184	0.620651	0.0593832
0.895768	0.900136	0.0602234	0.402385	0.0677591	0.591155	0.0583691
0.87032	0.900759	0.0661016	0.392083	0.0629876	0.568316	0.0613838
0.799799	0.903414	0.0649131	0.400862	0.0656671	0.554124	0.0594834
0.678094	0.901297	0.0616461	0.391317	0.0631244	0.554327	0.0584392
0.73876	0.895774	0.0636004	0.39223	0.0586558	0.558583	0.0616487
0.639922	0.904017	0.0560937	0.395822	0.0622388	0.556957	0.0537569
0.660904	0.901494	0.0541111	0.397833	0.0560699	0.565074	0.0651751
0.655779	0.902366	0.0586835	0.399483	0.0538525	0.556466	0.0638433
0.688612	0.900071	0.0569755	0.395695	0.0524721	0.565074	0.0561913
0.650905	0.909005	0.0545434	0.402432	0.0516957	0.564914	0.0497883
0.68014	0.913881	0.0647529	0.406857	0.0597635	0.582316	0.0595777
0.658876	0.919766	0.0629884	0.408013	0.0484858	0.587877	0.0623491
0.712528	0.925793	0.0574715	0.413483	0.0513401	0.594169	0.0585457
0.683407	0.930172	0.0558305	0.413092	0.053007	0.608881	0.0565344
0.662523	0.931478	0.0548824	0.422527	0.0581017	0.622013	0.0665531
0.678849	0.94037	0.0568321	0.425647	0.0575544	0.636475	0.054245
0.72128	0.95215	0.0566033	0.431182	0.0624174	0.654052	0.0611873
0.6796	0.963955	0.0585311	0.432918	0.061006	0.674666	0.0536096
0.692431	0.979753	0.0621035	0.452505	0.0629322	0.701624	0.0616244
0.699198	1.00602	0.0662468	0.464769	0.0674404	0.741003	0.0590997
0.821349	1.04252	0.070192	0.478107	0.0627917	0.780586	0.0652913
0.883137	1.09222	0.084643	0.494707	0.0787425	0.847045	0.0583353
0.925422	1.14833	0.0974181	0.519052	0.0897336	0.93253	0.066181
1.02588	1.22942	0.127416	0.543535	0.0961227	1.0329	0.0780081
1.24048	1.33472	0.163615	0.583569	0.110882	1.17995	0.1021
1.49935	1.46551	0.194428	0.635088	0.132187	1.36194	0.100436
1.71006	1.63386	0.255027	0.715766	0.160044	1.61191	0.136446
2.01291	1.83938	0.309244	0.809912	0.182438	1.91788	0.148003
2.60598	2.08404	0.364174	0.915296	0.235449	2.31792	0.185028
3.19752	2.36493	0.451597	1.0694	0.306281	2.83008	0.22104
3.93239	2.66594	0.545963	1.26351	0.375878	3.40534	0.276986
4.91553	3.02033	0.644584	1.47093	0.464496	4.12168	0.318378
5.78639	3.34411	0.764117	1.72691	0.55219	4.94186	0.416006
7.06943	3.70127	0.84405	2.00945	0.663663	5.81256	0.467385
8.31663	4.03312	0.954305	2.3183	0.787632	6.7619	0.558242
9.74184	4.31326	1.02293	2.63361	0.910561	7.76362	0.645602
11.0604	4.52578	1.10188	2.9633	1.03108	8.71861	0.699105
12.7199	4.71424	1.14075	3.254	1.18213	9.57618	0.802721
13.4995	4.80004	1.15543	3.53592	1.29794	10.3446	0.842044
15.0982	4.77845	1.16559	3.76439	1.34158	10.9441	0.910437
15.7835	4.6669	1.1298	3.90017	1.40019	11.3124	0.968173
16.0888	4.46015	1.05861	4.01099	1.43491	11.4354	0.954964
16.4338	4.1955	0.981635	4.0052	1.46994	11.3345	0.998023
16.1014	3.89265	0.894877	3.90518	1.42075	10.9486	0.936274
15.4019	3.56098	0.802957	3.77826	1.36024	10.3709	0.919485

14.6984	3.20116	0.699196	3.53551	1.27609	9.61624	0.807514
13.4855	2.84631	0.584551	3.2669	1.15037	8.69913	0.759821
12.2525	2.51239	0.492747	2.97313	1.03343	7.71246	0.707605
10.6962	2.19546	0.397253	2.63698	0.906695	6.73259	0.573564
9.43463	1.92101	0.312251	2.29946	0.771784	5.73654	0.507073
7.91218	1.67941	0.239867	1.98439	0.657942	4.7837	0.422057
6.50159	1.49125	0.180481	1.6825	0.515246	3.9269	0.358698
5.34666	1.34136	0.142546	1.42162	0.420169	3.17792	0.271479
4.11664	1.21589	0.113558	1.20454	0.339327	2.54614	0.2147
3.33296	1.12884	0.0819461	0.995894	0.25411	2.00722	0.171975
2.52625	1.06885	0.0730541	0.855646	0.201135	1.59158	0.142571
1.95669	1.02131	0.0728794	0.712081	0.145533	1.2642	0.110309
1.4565	0.997908	0.0645688	0.629883	0.111501	1.00531	0.0844182
1.11662	0.982817	0.0511274	0.563451	0.091212	0.821789	0.068581
0.824799	0.987425	0.0510307	0.509201	0.0789942	0.677769	0.0486258
0.624661	0.998873	0.0539311	0.474253	0.0586258	0.590268	0.0528097
0.485432	1.0114	0.0639671	0.448888	0.052324	0.514516	0.0419877
0.360759	1.03813	0.0641015	0.439285	0.0619266	0.470005	0.0337875
0.295291	1.06783	0.0669633	0.435349	0.0497591	0.440696	0.0389016
0.231438	1.09326	0.0741798	0.436853	0.0579241	0.424193	0.0387495
0.219043	1.12441	0.0787399	0.431503	0.0536226	0.415522	0.0332388
0.178611	1.15247	0.0737908	0.446256	0.0580101	0.408429	0.032897
0.179137	1.18329	0.0852458	0.45702	0.0619345	0.401088	0.0321218
0.181837	1.19932	0.0893441	0.465619	0.0653782	0.394602	0.037129
0.163251	1.21654	0.0886371	0.472622	0.0658093	0.404341	0.0328114
0.154999	1.22481	0.089394	0.479139	0.0757418	0.408361	0.0323227
0.17943	1.2238	0.090029	0.490562	0.0705054	0.418966	0.03505
0.177925	1.22328	0.0906855	0.498674	0.0774615	0.42114	0.0343264
0.210087	1.20405	0.0879674	0.515604	0.0752039	0.435291	0.0375256
0.21379	1.18783	0.0734355	0.51103	0.0859726	0.447773	0.0351021
0.246172	1.18295	0.0763366	0.518058	0.0775389	0.460986	0.0427404
0.259319	1.16188	0.0732436	0.513151	0.0778294	0.473506	0.0346694
0.286466	1.13895	0.066399	0.520118	0.064821	0.481906	0.0419616
0.300574	1.11047	0.0648459	0.517772	0.0721642	0.498333	0.0409041
0.32333	1.08857	0.0608382	0.515713	0.0769016	0.507576	0.0449691
0.336652	1.06631	0.0536377	0.510321	0.0686841	0.511766	0.0368668
0.386705	1.03951	0.0562582	0.512242	0.0708935	0.529377	0.0327129
0.406718	1.02039	0.0625783	0.503202	0.0722087	0.530136	0.0475164
0.419256	1.01097	0.0535226	0.500363	0.0633363	0.536228	0.0396697
0.371615	0.988862	0.0550076	0.494616	0.0617128	0.536842	0.0517814
0.375552	0.970465	0.0592776	0.48856	0.0641572	0.541704	0.0426934
0.380761	0.96191	0.0579486	0.483249	0.0679359	0.541783	0.0446009
0.366281	0.959218	0.0624579	0.468943	0.0617193	0.529335	0.049887
0.310866	0.958338	0.0625162	0.467741	0.0528721	0.526645	0.0553571
0.293787	0.949807	0.0628559	0.466197	0.0646975	0.51284	0.0495861
0.265387	0.947241	0.0619349	0.454895	0.0667171	0.518314	0.0635861
0.263664	0.949563	0.0597253	0.455649	0.0590531	0.510994	0.0600625

0.239323	0.949586	0.0601531	0.446184	0.0529012	0.501009	0.0676795
0.20151	0.952886	0.0523668	0.438833	0.0605439	0.494602	0.0704392
0.182293	0.958173	0.0491987	0.448904	0.0682066	0.483002	0.0837324
0.177616	0.96749	0.0616882	0.452047	0.0673244	0.490085	0.0813358
0.154393	0.969837	0.0636359	0.448615	0.0609147	0.487985	0.0845174
0.154072	0.97998	0.0649936	0.448209	0.0579059	0.482122	0.0796312
0.114836	0.974893	0.0555938	0.447372	0.0600655	0.481405	0.0875627
0.119183	0.977131	0.0562559	0.460188	0.0577207	0.48212	0.088649
0.124637	0.970829	0.0569205	0.455004	0.0604347	0.490327	0.08562
0.0990258	0.973648	0.0530231	0.46204	0.057163	0.481442	0.0833675
0.105388	0.973507	0.0510112	0.459646	0.0633873	0.478934	0.0706467
0.107512	0.955779	0.0536249	0.459404	0.0709501	0.486386	0.0715792
0.114997	0.950234	0.0594816	0.465048	0.0635551	0.492191	0.0722369
0.119884	0.946964	0.0632066	0.464595	0.0576193	0.488654	0.0706703
0.107877	0.945337	0.0545257	0.458018	0.0587977	0.480985	0.0767619
0.112351	0.947586	0.0517848	0.463312	0.0647178	0.489826	0.0618618
0.106332	0.942309	0.0543078	0.466665	0.0677396	0.489605	0.0659927
0.11404	0.943077	0.0473838	0.4647	0.0706412	0.48942	0.0530158
0.105791	0.946353	0.0541303	0.465523	0.0623014	0.489369	0.0664286
0.116616	0.928581	0.0557196	0.465494	0.0642478	0.485123	0.0481439
0.107601	0.926796	0.0625468	0.459797	0.0618275	0.482991	0.0516537
0.104479	0.928612	0.0510837	0.460955	0.0600459	0.48634	0.0484477
0.110972	0.917202	0.052172	0.458044	0.0594642	0.477237	0.0427297
0.0856878	0.910616	0.0553309	0.457272	0.0659642	0.48239	0.0440347
0.0966248	0.913599	0.0599032	0.461546	0.066204	0.489949	0.043745
0.109693	0.903571	0.0536792	0.453005	0.058198	0.494954	0.0375638
0.105158	0.891733	0.0574151	0.444533	0.0576705	0.48172	0.0390412
0.111329	0.887036	0.0518489	0.441326	0.0599543	0.490259	0.0428678
0.103886	0.884104	0.0459089	0.451184	0.0635569	0.483441	0.0366457
0.107036	0.891436	0.0570807	0.444151	0.0642872	0.494367	0.0386191
0.0975881	0.89357	0.0508015	0.450207	0.0605744	0.484012	0.0363178
0.0956286	0.893497	0.0529496	0.442195	0.0577774	0.496061	0.0394199
0.114313	0.889824	0.0552349	0.445829	0.0605803	0.492909	0.0344918
0.140166	0.891016	0.0523136	0.447144	0.0488557	0.489592	0.0379214
0.121139	0.899487	0.0506571	0.45543	0.0543712	0.490277	0.0364788
0.100607	0.904651	0.0577001	0.446332	0.0534447	0.493947	0.040404
0.140177	0.902841	0.0433651	0.45942	0.0464325	0.507118	0.0405272
0.139595	0.903527	0.0520583	0.452295	0.0469341	0.509601	0.0269612
0.130291	0.908797	0.0487619	0.457698	0.0573051	0.517932	0.0372214
0.141934	0.923197	0.0436261	0.466695	0.0467316	0.529321	0.0449686
0.168186	0.92241	0.0556714	0.465329	0.0478154	0.536827	0.0488036
0.161584	0.925891	0.0477818	0.474809	0.0530765	0.546774	0.0400659
0.183394	0.935068	0.0483851	0.475908	0.0536258	0.554946	0.0431185
0.185237	0.942821	0.0468763	0.475854	0.0470964	0.576167	0.0407528
0.211069	0.93519	0.0479648	0.483879	0.0546683	0.58023	0.040752
0.212701	0.938114	0.0465401	0.489424	0.054454	0.579291	0.0462271
0.211772	0.942098	0.0480756	0.493763	0.0599562	0.588157	0.0479928

0.21523	0.944767	0.0452953	0.501153	0.0558547	0.59655	0.0452477
0.267783	0.951486	0.0429054	0.493337	0.059477	0.606089	0.0512384
0.217568	0.944481	0.0395433	0.494171	0.0573739	0.606887	0.0473102
0.263352	0.953397	0.0535906	0.495938	0.0601603	0.599401	0.0465667
0.241577	0.955098	0.0523374	0.496272	0.0606185	0.599404	0.0428862
0.240196	0.950016	0.0439409	0.499254	0.0640947	0.600043	0.044774
0.267886	0.949683	0.0435456	0.49497	0.0612241	0.592889	0.0445035
0.248756	0.949833	0.0516228	0.488585	0.0661872	0.590607	0.0488613
0.232097	0.944505	0.0519528	0.485656	0.0554956	0.576749	0.0370544
0.227129	0.948604	0.0514881	0.482907	0.0573227	0.581052	0.0300366
0.231706	0.951507	0.0494571	0.478094	0.0502083	0.563997	0.0406183
0.226277	0.956868	0.0479285	0.483469	0.0547166	0.564382	0.0426423
0.227101	0.965098	0.0479768	0.477143	0.0430273	0.563623	0.0360813
0.198007	0.971804	0.0439043	0.482603	0.0576218	0.556934	0.0355999
0.195566	0.975183	0.0477251	0.475274	0.058077	0.552871	0.0316167
0.174351	0.976961	0.0472091	0.477585	0.0549095	0.548699	0.0385979
0.184482	0.990757	0.0517089	0.474406	0.0541867	0.553451	0.0410961
0.177815	0.997215	0.0470506	0.482161	0.0569496	0.557962	0.0464594
0.172905	1.00435	0.0533798	0.475933	0.050881	0.55086	0.0422359
0.177777	1.02075	0.049827	0.487059	0.0539117	0.553285	0.0366171
0.157701	1.02977	0.0560179	0.482865	0.050365	0.556171	0.0463488
0.153105	1.02999	0.0580947	0.480144	0.0524789	0.555309	0.0401321
0.149825	1.04374	0.0604038	0.486208	0.0510979	0.569942	0.0328322
0.149388	1.0555	0.0604657	0.490277	0.0569969	0.558293	0.0452767
0.100961	1.06701	0.0484581	0.497849	0.046848	0.577966	0.044881
0.139985	1.07781	0.0631206	0.492121	0.0500057	0.575338	0.0484218
0.125408	1.08914	0.0645734	0.502941	0.0560674	0.573061	0.0462462
0.115112	1.08802	0.0582639	0.506949	0.0615067	0.585705	0.0463827
0.136573	1.10534	0.0625755	0.507747	0.0545955	0.583235	0.0474614
0.116914	1.1255	0.0659912	0.508599	0.0519391	0.585858	0.0443639
0.11968	1.13141	0.0731253	0.508392	0.056983	0.597228	0.04645
0.0953681	1.15162	0.0750047	0.521514	0.0588211	0.589419	0.0525044
0.0993864	1.15232	0.0746848	0.518647	0.0597634	0.606957	0.0450545
0.113893	1.1551	0.080002	0.519956	0.0590579	0.60267	0.0430324
0.102234	1.16983	0.0894533	0.528839	0.0651164	0.613281	0.0546689
0.100125	1.1893	0.0852721	0.53174	0.0630769	0.614482	0.0416395
0.104779	1.20651	0.0823271	0.541744	0.0714383	0.623381	0.0502625
0.113182	1.22277	0.0951548	0.544519	0.0574875	0.611587	0.0518808
0.120008	1.22776	0.0909103	0.549907	0.0615972	0.638781	0.0475032
0.101536	1.23816	0.0878654	0.557596	0.0746422	0.629826	0.0489991
0.106209	1.25158	0.0949434	0.554834	0.0691966	0.642675	0.0435933
0.101772	1.26659	0.0989945	0.563054	0.0640514	0.634114	0.0480808
0.111063	1.28313	0.0966303	0.579214	0.0812915	0.65394	0.0486887
0.106265	1.29427	0.0978902	0.565969	0.064758	0.659959	0.0510101
0.112765	1.31188	0.0906657	0.58448	0.0767114	0.668679	0.0457487
0.109546	1.33123	0.0944289	0.585387	0.0714786	0.683328	0.0597014
0.0959754	1.35646	0.0914292	0.600997	0.0757611	0.696263	0.0587796

0.0986272	1.37365	0.109913	0.605784	0.0797692	0.716389	0.0434225
0.111244	1.3956	0.108055	0.616379	0.0752908	0.733399	0.0556829
0.109576	1.40873	0.0998991	0.630181	0.0825142	0.762234	0.0530671
0.124514	1.42707	0.0931185	0.637595	0.0775188	0.778369	0.0474859
0.132466	1.4497	0.105576	0.648717	0.0797071	0.814543	0.0453475
0.107465	1.46131	0.104742	0.66565	0.0855513	0.83898	0.0536224
0.121345	1.48402	0.0865545	0.672157	0.0800394	0.869035	0.0500474
0.121525	1.50007	0.0974198	0.685074	0.075741	0.902035	0.0468661
0.0974662	1.51212	0.0981638	0.699254	0.0932091	0.931838	0.0694084
0.0997277	1.50593	0.0932069	0.717821	0.088717	0.951119	0.0699575
0.106369	1.51957	0.0903157	0.736347	0.0786742	0.975344	0.062439
0.125371	1.53356	0.082873	0.738861	0.0776036	0.978991	0.0607615
0.107215	1.52073	0.0870462	0.745118	0.0820754	1.00295	0.0673997
0.102887	1.51985	0.087795	0.745417	0.0790102	0.997341	0.058588
0.116002	1.51104	0.078524	0.754793	0.0895043	0.99607	0.0716464
0.119942	1.4991	0.0797169	0.745091	0.087418	0.981326	0.0670539
0.110054	1.50127	0.0802391	0.746429	0.0861003	0.977253	0.0702543
0.121189	1.48776	0.0764272	0.752824	0.088283	0.946736	0.0594436
0.127786	1.49568	0.0691331	0.737617	0.0884952	0.93141	0.0547967
0.10163	1.47986	0.0685322	0.736386	0.0845716	0.910098	0.066991
0.131457	1.46264	0.0782369	0.725901	0.078551	0.87532	0.06174
0.129522	1.46254	0.077536	0.727076	0.0765138	0.856714	0.0592957
0.116715	1.46593	0.0791023	0.707497	0.0745259	0.828916	0.0607172
0.119186	1.45548	0.0806012	0.707354	0.0748536	0.810036	0.0602629
0.119706	1.45712	0.0780898	0.698242	0.0738303	0.805187	0.0619163
0.127488	1.45464	0.0839931	0.692975	0.0834936	0.788724	0.0522901
0.12951	1.44791	0.0791638	0.676699	0.0740966	0.769893	0.0577744
0.111333	1.45126	0.0806122	0.687694	0.0766131	0.759177	0.0496366
0.115274	1.4638	0.0789038	0.682268	0.06378	0.749593	0.057582
0.130557	1.45484	0.0757527	0.67995	0.0740189	0.744677	0.0576745
0.130787	1.46027	0.0947016	0.681228	0.0748137	0.730918	0.0543545
0.115063	1.45879	0.0848792	0.673913	0.0688411	0.728116	0.0540607
0.129937	1.45405	0.0709876	0.678709	0.0565981	0.741078	0.0573711
0.133075	1.46412	0.0946729	0.686596	0.0662865	0.735098	0.0564154
0.122555	1.46872	0.0932926	0.687669	0.0627953	0.741219	0.0485724
0.140359	1.4625	0.0834404	0.682345	0.0592416	0.733568	0.057408
0.110717	1.46182	0.0977664	0.676928	0.0611871	0.726604	0.050198
0.103571	1.47381	0.0893253	0.692047	0.0664222	0.724592	0.0580498
0.129624	1.45664	0.0811133	0.685647	0.0565706	0.732702	0.0477554
0.144031	1.4662	0.0858918	0.688029	0.0534326	0.731253	0.0488882
0.112192	1.45196	0.0859922	0.684497	0.0489543	0.7269	0.0529937
0.12518	1.45174	0.0820036	0.691247	0.0594911	0.738753	0.0366997
0.130511	1.46747	0.0992565	0.680406	0.0654076	0.73133	0.0530785
0.118723	1.45933	0.0762015	0.678487	0.0612776	0.729637	0.0426805
0.11636	1.46283	0.0781547	0.67693	0.0555937	0.723904	0.0498202
0.131096	1.44634	0.082724	0.681393	0.0522278	0.723105	0.0517714
0.143549	1.44201	0.0858348	0.687733	0.0526539	0.714817	0.0467929

0.136276	1.45242	0.0873006	0.689451	0.0521975	0.731521	0.0462185
0.126007	1.44528	0.084596	0.690703	0.0574705	0.715024	0.0420244
0.130741	1.43918	0.0824084	0.687913	0.0530957	0.72331	0.044195
0.139856	1.43417	0.0926384	0.677398	0.0538715	0.715612	0.0427187
0.126269	1.43607	0.0948336	0.674555	0.0594002	0.706387	0.0529919
0.149448	1.43897	0.0835318	0.687769	0.0597779	0.69702	0.0447088
0.148618	1.43942	0.0840978	0.682086	0.0590175	0.707963	0.0405342
0.176727	1.44247	0.0878757	0.680799	0.049923	0.704263	0.0417453
0.157729	1.43168	0.0868608	0.673746	0.0647753	0.705942	0.0396809
0.140273	1.42993	0.0837346	0.67168	0.0566203	0.716826	0.0362717
0.145458	1.43225	0.0846835	0.680466	0.0568194	0.708044	0.0383841
0.157558	1.42493	0.0844184	0.675313	0.058188	0.702459	0.0487179
0.149854	1.43644	0.0897241	0.680962	0.0565477	0.697253	0.0385034
0.177615	1.42284	0.0805134	0.674271	0.0538832	0.715939	0.0350569
0.161862	1.428	0.0791623	0.676304	0.0578812	0.706813	0.0392494
0.148426	1.4341	0.0826446	0.680857	0.0633094	0.706298	0.0384029
0.178968	1.42731	0.0904582	0.675371	0.049972	0.723015	0.0455593
0.175119	1.42123	0.0813506	0.671137	0.0564534	0.720855	0.0403153
0.169396	1.42402	0.0761734	0.679774	0.0531446	0.722385	0.0356037
0.178347	1.43277	0.0802456	0.666996	0.0553267	0.724746	0.0381882
0.156199	1.43029	0.0776472	0.674625	0.0606538	0.722913	0.0371799
0.149483	1.43258	0.0740146	0.679693	0.0592796	0.726121	0.0412048
0.153729	1.42644	0.0760987	0.683367	0.064441	0.745147	0.0393016
0.148997	1.42871	0.0804492	0.678533	0.0530732	0.738521	0.0434697
0.147587	1.43095	0.0898775	0.683492	0.0607816	0.749332	0.0449964
0.153141	1.42735	0.0733113	0.672703	0.0527252	0.74742	0.0384829
0.13044	1.43407	0.0822363	0.666256	0.0661105	0.758117	0.0426639
0.1327	1.43051	0.0703865	0.678221	0.0566225	0.763687	0.0439412
0.143774	1.42891	0.0738019	0.68928	0.0569503	0.75394	0.0444991
0.160439	1.42771	0.0750869	0.683008	0.0570962	0.755614	0.0322368
0.140228	1.42443	0.0743853	0.6862	0.0564705	0.742444	0.0479825
0.128434	1.421	0.064614	0.674476	0.0592512	0.75518	0.0360921
0.132323	1.41954	0.0602367	0.677305	0.0547401	0.753817	0.0426651
0.139347	1.42117	0.0639833	0.679967	0.0559991	0.748533	0.0390675
0.151528	1.43177	0.0715197	0.682718	0.0623105	0.745884	0.037312
0.137552	1.42573	0.0761374	0.683741	0.0482168	0.752362	0.0338552
0.148017	1.42565	0.0755555	0.675258	0.0495927	0.739711	0.0445456
0.126374	1.42398	0.0627133	0.677397	0.0512878	0.74545	0.0421443
0.131907	1.42435	0.0747298	0.684295	0.0660261	0.737237	0.0358137
0.124387	1.4239	0.0723194	0.682904	0.047258	0.736862	0.0375312
0.113901	1.43056	0.0707082	0.68522	0.0495224	0.728491	0.0494707
0.106511	1.43785	0.0728798	0.681095	0.0590283	0.735471	0.0364231
0.100003	1.43852	0.0726106	0.691886	0.0540961	0.744929	0.0349661
0.113532	1.43773	0.0664133	0.689904	0.0525229	0.738242	0.0434046
0.115479	1.44136	0.0591987	0.688596	0.0486318	0.745958	0.0407946
0.0973816	1.43503	0.066186	0.688698	0.0573378	0.74937	0.0488894
0.116596	1.44782	0.0673478	0.693072	0.0527958	0.742546	0.0436018

0.12733	1.46201	0.064085	0.701945	0.0493321	0.752577	0.0503197
0.103567	1.45823	0.073576	0.70256	0.0553229	0.759288	0.0411441
0.114731	1.46066	0.0518151	0.699135	0.0527816	0.76338	0.0416992
0.0864103	1.46554	0.0577179	0.706642	0.0553796	0.755107	0.0366157
0.102652	1.47524	0.0619933	0.70869	0.0532072	0.771793	0.0483243
0.110633	1.49206	0.0765503	0.710195	0.0557015	0.777158	0.0490705
0.108219	1.50115	0.0740523	0.724573	0.0514681	0.790668	0.0249848
0.0929882	1.49985	0.0736347	0.721568	0.0577958	0.789826	0.0467696
0.107978	1.50052	0.0613065	0.709895	0.0503488	0.795873	0.042744
0.0921147	1.5048	0.0565175	0.725835	0.059349	0.797704	0.0501656
0.109468	1.5107	0.0673994	0.728825	0.0576603	0.793442	0.0486732
0.0997048	1.5126	0.0724425	0.728089	0.0557355	0.815747	0.0361851
0.101014	1.51108	0.0677963	0.72819	0.0564205	0.810566	0.0509148
0.0949478	1.52205	0.0771082	0.724842	0.0529003	0.807529	0.0470599
0.124819	1.52687	0.081972	0.734444	0.056922	0.814768	0.0392135
0.114417	1.52307	0.0782438	0.729813	0.0568382	0.813457	0.042182
0.105116	1.53602	0.0827066	0.747336	0.0519527	0.814479	0.0383847
0.13312	1.53975	0.0826963	0.748136	0.0631964	0.810587	0.0491775
0.105803	1.54167	0.0769634	0.739059	0.0575539	0.812804	0.0396101
0.141253	1.54945	0.081095	0.746509	0.0661577	0.812312	0.0389265
0.119535	1.54151	0.0802948	0.744183	0.0691603	0.804545	0.0519286
0.126789	1.5529	0.0767267	0.739053	0.0626825	0.801772	0.042699
0.127347	1.55556	0.0695443	0.755672	0.0631265	0.812699	0.047273
0.133267	1.55205	0.0736161	0.743988	0.0629309	0.81481	0.0440766
0.118152	1.54619	0.07579	0.754696	0.0581053	0.803433	0.0438268
0.138595	1.55032	0.0696044	0.754305	0.0597397	0.801877	0.0475628
0.133465	1.55694	0.0637263	0.750389	0.0640989	0.797165	0.0493592
0.128714	1.55885	0.0688473	0.752321	0.063207	0.793631	0.045193
0.126074	1.55541	0.0702426	0.749311	0.0587598	0.801961	0.0436202
0.125741	1.55698	0.0640503	0.754446	0.0554944	0.799126	0.055086
0.140655	1.55154	0.0623909	0.752119	0.0655757	0.801564	0.0424261
0.127346	1.56089	0.0733978	0.749856	0.0666222	0.800035	0.0363693
0.129572	1.56661	0.0684013	0.759447	0.0644025	0.801081	0.0442136
0.119106	1.56384	0.0745823	0.759052	0.0639786	0.791772	0.0613219
0.124878	1.56047	0.0789593	0.76074	0.0654077	0.796291	0.0487655
0.120441	1.56229	0.0577207	0.756411	0.0605393	0.790899	0.0492933
0.120574	1.56481	0.0613023	0.75915	0.0538275	0.800428	0.0615938
0.110327	1.57068	0.0702538	0.761205	0.0597949	0.800733	0.0340748
0.125751	1.57142	0.0695562	0.763558	0.0704736	0.806813	0.0513196
0.116677	1.57608	0.0592985	0.757293	0.0562213	0.805177	0.0534771
0.0997382	1.58083	0.0669258	0.763829	0.0583867	0.802575	0.057773
0.112855	1.5721	0.0707836	0.766819	0.062463	0.797343	0.0462066
0.0964331	1.57163	0.0705061	0.768036	0.0559786	0.807705	0.0461591
0.120216	1.57596	0.0726533	0.75997	0.0598332	0.798517	0.0474374
0.0954949	1.57909	0.0770238	0.781376	0.0550849	0.803479	0.0445884
0.11373	1.57918	0.0786322	0.778394	0.0620065	0.808577	0.0468623
0.0996956	1.56716	0.0721334	0.769866	0.0529928	0.798053	0.043234

0.104135	1.56763	0.064515	0.779272	0.0519322	0.801878	0.0461123
0.122797	1.56109	0.0689022	0.780185	0.0637278	0.807569	0.0451369
0.130519	1.57561	0.0771475	0.788644	0.0664932	0.806562	0.0490311
0.12435	1.57767	0.0680973	0.777092	0.0500322	0.803807	0.0412602
0.110387	1.57506	0.0582271	0.786307	0.048273	0.7974	0.0400097
0.107734	1.57339	0.0658025	0.794014	0.0580038	0.794778	0.0465919
0.120612	1.57794	0.0636144	0.79036	0.0565468	0.802918	0.0450892
0.136106	1.57751	0.0662865	0.79721	0.0677277	0.806416	0.0410566
0.11363	1.58694	0.0732274	0.801145	0.053955	0.802711	0.0465478
0.123941	1.57748	0.0717567	0.809603	0.0646253	0.807226	0.0501288
0.142552	1.58299	0.0706363	0.805598	0.0612991	0.806218	0.0409289
0.118101	1.58174	0.0585242	0.818462	0.0719463	0.805016	0.0496787
0.15518	1.58502	0.0587863	0.818702	0.0603227	0.807084	0.0386712
0.160735	1.58493	0.071372	0.830341	0.0655625	0.808609	0.038869
0.147355	1.59009	0.0717941	0.824689	0.069106	0.80424	0.0401795
0.136205	1.58796	0.0698703	0.830984	0.070482	0.808446	0.0491096
0.127383	1.57521	0.0783181	0.824256	0.071608	0.80423	0.039639
0.140695	1.56836	0.0732019	0.822285	0.0707647	0.799663	0.0424809
0.154621	1.56857	0.0690545	0.828928	0.0536488	0.81345	0.0494668
0.145037	1.56341	0.068504	0.831632	0.075699	0.800727	0.0432205
0.139299	1.5549	0.0649954	0.821443	0.065727	0.803284	0.0463589
0.156506	1.57361	0.076402	0.829545	0.0597551	0.802543	0.0419754
0.118228	1.56426	0.0695018	0.814159	0.0749875	0.805624	0.0472321
0.166047	1.56258	0.0655978	0.807905	0.0682965	0.790529	0.0390317
0.129375	1.55306	0.0681627	0.805571	0.0529738	0.794593	0.0492651
0.128036	1.55747	0.0533595	0.802881	0.0661912	0.798747	0.0382495
0.153714	1.55044	0.0567079	0.78638	0.0572224	0.803587	0.0590674
0.136165	1.55177	0.0594334	0.788948	0.0588802	0.792952	0.0479382
0.130034	1.5511	0.0594069	0.799351	0.0520464	0.803411	0.0463048
0.120909	1.54476	0.0647086	0.780732	0.0497616	0.797103	0.0429976
0.121381	1.54006	0.0723961	0.796192	0.0523929	0.805882	0.0503047
0.122273	1.54432	0.0712991	0.781112	0.0511034	0.800564	0.0374798
0.116813	1.53103	0.0677252	0.781111	0.0421346	0.795236	0.0468855
0.121112	1.53726	0.0651253	0.767379	0.0506091	0.790283	0.0436326
0.107763	1.53675	0.0654749	0.767135	0.0460797	0.791099	0.0462539
0.0930421	1.53696	0.0667607	0.763834	0.0415229	0.79101	0.037477
0.128549	1.53587	0.0634537	0.779912	0.0491864	0.78892	0.0345875
0.108321	1.53982	0.0550708	0.781744	0.0422293	0.776443	0.0395642
0.115789	1.53355	0.0654397	0.764008	0.0463258	0.799896	0.0520658
0.133302	1.52896	0.0613919	0.777059	0.0389091	0.797168	0.045362
0.109531	1.5335	0.0576506	0.768997	0.0425294	0.789252	0.0458159
0.101351	1.53498	0.0557406	0.777057	0.0447304	0.779545	0.0417192
0.12186	1.53502	0.0617743	0.770315	0.0480907	0.798378	0.0417272
0.127702	1.53488	0.0604936	0.771572	0.0489533	0.791945	0.0410373
0.12629	1.53853	0.0555329	0.765965	0.0484983	0.780523	0.0374345
0.121473	1.53337	0.0666688	0.766403	0.0452696	0.793591	0.0415964
0.117611	1.53945	0.0588993	0.771906	0.0488304	0.783305	0.0399279

0.134219	1.53108	0.0667765	0.763935	0.0523155	0.785684	0.0445043
0.134347	1.52848	0.0701449	0.769154	0.0435145	0.80099	0.0461264
0.125737	1.54123	0.0624605	0.772706	0.0464552	0.793613	0.0459674
0.0937242	1.5386	0.0581081	0.778956	0.0550613	0.811638	0.0466851
0.107025	1.53422	0.0558564	0.778468	0.0635104	0.802683	0.0372577
0.102598	1.53267	0.0518984	0.777767	0.0522141	0.811126	0.0515974
0.124164	1.532	0.0609812	0.775592	0.0492324	0.813369	0.0538791
0.113545	1.53864	0.0635382	0.792342	0.0571504	0.822516	0.050985
0.0962854	1.52811	0.0605505	0.780608	0.0580237	0.823679	0.0382978
0.0916729	1.5312	0.0654952	0.782932	0.0491395	0.820683	0.0472139
0.122175	1.52481	0.0703936	0.782882	0.0525794	0.834329	0.0486966
0.119316	1.53179	0.0608043	0.787682	0.0552238	0.838448	0.0552162
0.108993	1.53094	0.0643771	0.791934	0.0524261	0.836264	0.0475845
0.122923	1.53292	0.0561144	0.793335	0.0630411	0.83189	0.0424029
0.126043	1.53059	0.0593528	0.791985	0.0656933	0.840648	0.0534698
0.117316	1.52673	0.0678479	0.797435	0.0629854	0.841905	0.0488257
0.0966087	1.5197	0.0673275	0.798116	0.0680535	0.846002	0.0545543
0.111149	1.51803	0.0700699	0.790168	0.0661879	0.824411	0.0635993
0.117772	1.50372	0.0607611	0.793897	0.060715	0.849549	0.0600047
0.117138	1.50433	0.0510343	0.796367	0.0632465	0.836271	0.0531544
0.102703	1.50482	0.0547119	0.782362	0.0533161	0.829873	0.0651703
0.119977	1.5075	0.061281	0.777732	0.0595509	0.824838	0.0545876
0.105531	1.50015	0.0587242	0.776193	0.0529735	0.824902	0.0551116
0.126841	1.49402	0.0558405	0.773407	0.0636627	0.805467	0.056041
0.116562	1.49149	0.0517557	0.770556	0.0578345	0.797621	0.0499634
0.111971	1.49072	0.0596235	0.767164	0.0475061	0.801479	0.0592235
0.109037	1.48207	0.0596705	0.758278	0.0498877	0.794264	0.0599751
0.104749	1.49471	0.0559577	0.763949	0.0481993	0.779729	0.0542444
0.109255	1.48922	0.0521746	0.757874	0.0414251	0.77721	0.0485145
0.11438	1.48055	0.047977	0.753478	0.0453979	0.781762	0.0607356
0.0945218	1.47757	0.0621726	0.748391	0.0484535	0.771867	0.0477799
0.10174	1.4862	0.062023	0.75371	0.0499029	0.761806	0.0504145
0.107972	1.47955	0.0602048	0.744635	0.0568326	0.764948	0.0422283
0.123813	1.46933	0.0607988	0.752556	0.0496103	0.756094	0.0409968
0.0952014	1.46772	0.0541214	0.756894	0.0556572	0.763287	0.0471034
0.135145	1.46862	0.0547373	0.74769	0.0519924	0.753339	0.0411459
0.103407	1.46153	0.0588223	0.746542	0.054731	0.753225	0.0422874
0.107641	1.47377	0.0507262	0.739047	0.0503094	0.760197	0.0576463
0.118156	1.48108	0.0490915	0.736207	0.051418	0.760412	0.0445954
0.0897647	1.46726	0.0548435	0.744451	0.0524598	0.760693	0.0371283
0.109571	1.44943	0.0502261	0.741	0.0580138	0.741443	0.0387979
0.117554	1.45583	0.0599534	0.740248	0.0566227	0.755355	0.0435005
0.104986	1.46923	0.059348	0.734245	0.0505046	0.745192	0.0413415
0.119706	1.46739	0.0600514	0.738171	0.0551344	0.747067	0.0438906
0.100902	1.46567	0.0590657	0.739293	0.0547999	0.746533	0.0405718
0.116636	1.45815	0.0585188	0.742295	0.0559217	0.746096	0.0447626
0.116317	1.44938	0.0560432	0.738646	0.0473141	0.752568	0.0391208

0.114914	1.45371	0.0545629	0.732818	0.0504899	0.745195	0.0398837
0.130613	1.45288	0.0580172	0.737833	0.0430191	0.745103	0.042018
0.120375	1.4571	0.0584201	0.731133	0.0615085	0.740647	0.037223
0.117448	1.45596	0.0553873	0.737333	0.0544944	0.736876	0.0447853
0.120181	1.4581	0.0629995	0.73952	0.0488411	0.741673	0.0396074
0.13542	1.4483	0.0562951	0.733849	0.0502776	0.741609	0.0463985
0.123395	1.4526	0.0526361	0.723043	0.0559598	0.741791	0.0439341
0.109578	1.45505	0.0588559	0.722679	0.0531836	0.754304	0.0444128
0.116429	1.45333	0.0628687	0.732335	0.0530789	0.738958	0.0388653
0.127539	1.45306	0.0606069	0.726365	0.0531308	0.745253	0.0372756
0.141349	1.44904	0.0611978	0.735287	0.0441106	0.748884	0.0383395
0.110686	1.45304	0.0702767	0.726486	0.0423018	0.727948	0.0312685
0.119289	1.44245	0.0610482	0.716734	0.0449344	0.738494	0.0375602
0.12643	1.43848	0.0584353	0.731278	0.0486147	0.731843	0.0337077
0.133294	1.44612	0.0598928	0.72637	0.0554235	0.735571	0.038458
0.120555	1.44431	0.0626223	0.722173	0.051607	0.726496	0.0358794
0.116849	1.44583	0.0622106	0.733304	0.048825	0.727046	0.0330033
0.127674	1.45108	0.0608255	0.727789	0.0406132	0.722478	0.0422693
0.1346	1.44883	0.0625487	0.725192	0.0427397	0.726108	0.0300383
0.118696	1.44524	0.0556799	0.727931	0.0503624	0.715039	0.0359449
0.119205	1.44488	0.0528755	0.722378	0.0402644	0.715462	0.0388813
0.127663	1.44211	0.0530483	0.725321	0.0457366	0.730783	0.0328245
0.113933	1.43794	0.0603954	0.71587	0.0477017	0.722759	0.0314694
0.133134	1.44337	0.0675583	0.72142	0.0503917	0.722292	0.032909
0.123874	1.44552	0.0547399	0.717727	0.0502287	0.727508	0.0411293
0.117315	1.44608	0.0547304	0.724234	0.0438371	0.726391	0.0338682
0.114393	1.44548	0.054883	0.715634	0.0552907	0.715543	0.0355487
0.112568	1.44961	0.0563291	0.719113	0.0427315	0.718196	0.0401164
0.109852	1.45263	0.0577055	0.716042	0.0480262	0.722044	0.0371636
0.10579	1.44504	0.055743	0.714085	0.0525491	0.719988	0.027324
0.106494	1.44864	0.057704	0.724451	0.0407932	0.723548	0.0384499
0.106722	1.44982	0.0552133	0.720981	0.0472071	0.712051	0.0356444
0.112546	1.44288	0.0518074	0.715406	0.0451563	0.718495	0.0349925
0.101032	1.44106	0.0511899	0.725979	0.0548072	0.716048	0.0369409
0.100331	1.44964	0.0512486	0.713557	0.0386812	0.729548	0.0321596
0.108138	1.44274	0.0471421	0.715368	0.0395173	0.722097	0.0320038
0.112448	1.43545	0.0531765	0.716685	0.0491949	0.726867	0.0388908
0.10246	1.44043	0.0523568	0.708658	0.0399995	0.725204	0.0323259
0.090305	1.44907	0.0527732	0.711863	0.0516793	0.716204	0.0326056
0.106735	1.4467	0.0535375	0.712235	0.0487612	0.717183	0.0333776
0.118077	1.44343	0.0608723	0.717225	0.0433395	0.72088	0.041923
0.096478	1.45058	0.0523891	0.713871	0.0460109	0.712876	0.042581
0.0832042	1.44363	0.0508161	0.711503	0.0473238	0.722856	0.0366014
0.117023	1.43842	0.0532124	0.701758	0.0463577	0.711417	0.0455133
0.0926013	1.44248	0.0579004	0.714115	0.0435705	0.717366	0.0452398
0.100939	1.44724	0.0596303	0.713043	0.0452317	0.72077	0.0391757
0.120275	1.44093	0.0566159	0.711543	0.0464278	0.708272	0.0392626

0.0939606	1.44359	0.0616014	0.708812	0.0369639	0.721427	0.0378637
0.0842214	1.45007	0.062405	0.70272	0.0426486	0.708915	0.0300002
0.0999885	1.43869	0.0611387	0.715645	0.0480288	0.703048	0.0322299
0.110293	1.4322	0.0607602	0.707316	0.0478565	0.70996	0.0336835
0.0776421	1.43642	0.056165	0.712483	0.0442152	0.712322	0.0482027
0.0915889	1.44318	0.0667222	0.712262	0.0404747	0.706357	0.0360474
0.086063	1.4446	0.0705593	0.713571	0.0413902	0.709612	0.0293688
0.101992	1.43383	0.0660199	0.703638	0.0456606	0.714095	0.0390504
0.0746534	1.43732	0.0646394	0.70297	0.0426774	0.713744	0.04198
0.0855542	1.44026	0.0710845	0.712357	0.0462822	0.720351	0.0346563
0.108161	1.44099	0.0664617	0.706174	0.0451315	0.707926	0.0366404
0.101956	1.44192	0.0636711	0.70777	0.0499448	0.708499	0.0393154
0.0910303	1.43313	0.0686477	0.711913	0.0403623	0.708991	0.0369952
0.0939386	1.43238	0.0681786	0.706604	0.039825	0.704686	0.0365297
0.0945612	1.43492	0.0659388	0.709312	0.0498011	0.704779	0.0271222
0.0961785	1.43405	0.0602211	0.704673	0.0329015	0.711034	0.047597
0.0952835	1.43015	0.0538639	0.709054	0.0407793	0.715312	0.0391871
0.0975665	1.42829	0.0679791	0.699821	0.034378	0.707416	0.0311132
0.0833344	1.42968	0.0701344	0.706547	0.0406763	0.704723	0.0428949
0.0986814	1.43243	0.0627319	0.700816	0.0352045	0.704986	0.0397759
0.102459	1.42978	0.063488	0.701931	0.042045	0.709106	0.0370273
0.102086	1.43046	0.0650735	0.698764	0.0430619	0.708581	0.0397009
0.0907508	1.42747	0.0607949	0.70484	0.0438915	0.705243	0.0355643
0.084617	1.42464	0.0593368	0.694686	0.0365648	0.701459	0.0341421
0.0800393	1.42835	0.0558812	0.71293	0.0318291	0.702776	0.0411242
0.0893979	1.43225	0.0626138	0.701373	0.0441493	0.715643	0.0378789
0.0848255	1.43469	0.0676252	0.708654	0.034705	0.705705	0.0321479
0.10123	1.42808	0.0608416	0.713249	0.0427223	0.70646	0.0341822
0.0834103	1.43078	0.0573655	0.70319	0.0415474	0.713435	0.0447263
0.08442	1.43152	0.0618994	0.707951	0.0414091	0.706478	0.0435314
0.092184	1.43013	0.0700764	0.698384	0.0468413	0.711652	0.0388516
0.0847422	1.42726	0.0681325	0.703888	0.0408153	0.706329	0.0365042
0.10528	1.42626	0.0660946	0.716766	0.045921	0.710823	0.0448864
0.088319	1.43071	0.066968	0.698231	0.0444724	0.697274	0.040783
0.0879489	1.42432	0.0626167	0.70237	0.040989	0.719305	0.0316244
0.0747808	1.42808	0.0545267	0.708323	0.044114	0.703831	0.0297215
0.107153	1.43291	0.0533226	0.701672	0.0456043	0.710519	0.0349561
0.0922435	1.43258	0.0547848	0.706459	0.0466093	0.70611	0.0350053
0.0946685	1.43331	0.0627637	0.70808	0.0395232	0.709816	0.0433641
0.0831862	1.42854	0.0692448	0.694842	0.0477242	0.717435	0.0387902
0.0808928	1.42404	0.067044	0.708871	0.0436945	0.706019	0.0503785
0.0936033	1.42579	0.0651897	0.710633	0.0454222	0.714552	0.0438861
0.0909978	1.4285	0.0662643	0.701262	0.0507984	0.702076	0.0301835
0.0899109	1.4258	0.0579193	0.710524	0.0468911	0.70807	0.0410478
0.0869359	1.4187	0.0516015	0.704519	0.0323442	0.705759	0.0343498
0.102791	1.41786	0.0571067	0.704325	0.038557	0.69322	0.0435681
0.103897	1.4193	0.0615703	0.6882	0.039008	0.70776	0.0305519

0.111141	1.41779	0.0572319	0.702602	0.0407582	0.707954	0.0361382
0.0930845	1.42381	0.0564567	0.710208	0.0353545	0.69587	0.0412692
0.100337	1.42428	0.058445	0.711408	0.0352387	0.696859	0.041147
0.0970268	1.42523	0.0537068	0.708877	0.0526105	0.697988	0.0345394
0.0934533	1.42188	0.05259	0.688264	0.0354081	0.690446	0.0323362
0.102269	1.41116	0.0492129	0.700696	0.0445768	0.691817	0.0348633
0.103097	1.41164	0.0474799	0.704712	0.0420848	0.698726	0.0396029
0.0917362	1.41244	0.0506337	0.704338	0.0347312	0.698793	0.0304982
0.0870884	1.41048	0.047564	0.710483	0.0362231	0.694688	0.0396707
0.0914956	1.40736	0.0410239	0.701478	0.0327707	0.701924	0.0396269
0.0828858	1.40345	0.0459529	0.705594	0.0414773	0.689736	0.0389484
0.0814288	1.40104	0.0569702	0.698025	0.0385372	0.68755	0.0389658
0.0839852	1.40193	0.0569253	0.696273	0.0389343	0.677546	0.0379909
0.0635735	1.40638	0.0517255	0.699004	0.0446172	0.68621	0.0382456
0.0941396	1.40429	0.0524744	0.697212	0.0332009	0.689365	0.0387463
0.0809527	1.39767	0.0545313	0.686953	0.0435552	0.683576	0.0422947
0.066298	1.39922	0.0539372	0.68505	0.0411085	0.6898	0.0387223
0.085098	1.40097	0.0496372	0.689762	0.0285716	0.683834	0.0367775
0.0920013	1.39478	0.0478433	0.690435	0.0374579	0.681249	0.0302107
0.0750664	1.39054	0.0516981	0.682171	0.0425431	0.688506	0.0430949
0.075285	1.38561	0.0553938	0.676238	0.0315671	0.67548	0.036499
0.0833774	1.37985	0.0547451	0.689547	0.0415949	0.680883	0.0356976
0.101601	1.37685	0.0480913	0.686722	0.0427786	0.672187	0.0353369
0.0944045	1.377	0.0458378	0.683823	0.036541	0.676625	0.0382414
0.0918071	1.3787	0.047658	0.684354	0.0384494	0.682983	0.0410309
0.0989941	1.3807	0.0481636	0.69172	0.0399527	0.667443	0.0365098
0.0720013	1.3806	0.0509647	0.686749	0.0380663	0.678116	0.0380251
0.0953796	1.37743	0.0477988	0.674093	0.0368449	0.666854	0.0437418
0.0773762	1.3812	0.0433423	0.684769	0.0424707	0.669187	0.033523
0.0856515	1.37822	0.049098	0.693087	0.041588	0.672567	0.0362368
0.0839852	1.36886	0.0499625	0.674342	0.0376929	0.669445	0.0304569
0.102915	1.36196	0.048627	0.687362	0.038992	0.670334	0.0345338
0.0890668	1.3511	0.0485462	0.678928	0.0396002	0.671008	0.0357837
0.100101	1.35325	0.0461845	0.683736	0.0288632	0.675785	0.0338475
0.100848	1.35538	0.0447136	0.680473	0.0370245	0.676351	0.0387953
0.0958809	1.34795	0.0417582	0.679801	0.0389532	0.663388	0.0336504
0.0869473	1.34859	0.0397262	0.674091	0.0345715	0.668891	0.03388
0.0900176	1.35188	0.0453627	0.683908	0.0347493	0.665998	0.0431302
0.0965016	1.34831	0.0438496	0.677492	0.0345978	0.667345	0.0403247
0.111044	1.34279	0.0431634	0.678682	0.0417489	0.659188	0.0260266
0.102288	1.34259	0.0501032	0.668356	0.0322185	0.649725	0.0395195
0.115255	1.34077	0.0511664	0.667002	0.0371394	0.664454	0.0306287
0.111153	1.33221	0.0490672	0.676557	0.0310664	0.654895	0.0343323
0.115234	1.32616	0.0439368	0.670007	0.043694	0.658756	0.0397719
0.116095	1.3326	0.0443122	0.675206	0.0325685	0.648842	0.0350391
0.117553	1.32808	0.0458225	0.666336	0.0370152	0.660341	0.0389992
0.110593	1.32214	0.0471637	0.662234	0.0393488	0.655538	0.0336554

0.121764	1.32455	0.0474255	0.662765	0.0386788	0.651129	0.0395824
0.13066	1.31344	0.0465202	0.662807	0.0352626	0.658852	0.0350145
0.124806	1.31236	0.0548358	0.660699	0.0387252	0.648503	0.0451047
0.116169	1.31701	0.0440938	0.664908	0.0303001	0.645317	0.0342461
0.132494	1.30741	0.0370866	0.657695	0.034679	0.646222	0.0332672
0.12832	1.29996	0.0426088	0.659454	0.0404995	0.65101	0.0331829
0.100938	1.29832	0.0400102	0.64918	0.0397684	0.655495	0.0382063
0.114661	1.29391	0.0422849	0.650616	0.0367764	0.640721	0.0362784
0.142009	1.29404	0.0455336	0.657215	0.0303267	0.639142	0.0329983
0.102742	1.29112	0.0514845	0.656295	0.0369011	0.640073	0.0234456
0.102448	1.28606	0.0429055	0.648343	0.0374234	0.640201	0.0316082
0.112877	1.2886	0.0368601	0.645493	0.0417361	0.628811	0.0371566
0.120204	1.29091	0.0439749	0.649132	0.0356741	0.637475	0.0361977
0.0937429	1.29	0.0448191	0.653296	0.0358702	0.639892	0.0324678
0.132092	1.28949	0.0463644	0.645241	0.0392723	0.632864	0.0388697
0.105841	1.28256	0.0475854	0.645778	0.0430778	0.633163	0.0311302
0.109382	1.27832	0.0485041	0.643876	0.0305927	0.623358	0.0297944
0.0986863	1.27303	0.0477047	0.649457	0.0434509	0.641232	0.0300353
0.0848537	1.26334	0.0446719	0.630073	0.0262246	0.623468	0.0278704
0.107542	1.26619	0.0495323	0.634629	0.0387835	0.620549	0.0265695
0.10933	1.27555	0.0463816	0.632629	0.0366656	0.628093	0.034993
0.0767579	1.27203	0.0474896	0.636568	0.0336887	0.623285	0.0316096
0.123485	1.26655	0.0452769	0.634687	0.0343284	0.630536	0.0317789
0.101539	1.26389	0.0453247	0.638589	0.0289661	0.621599	0.0355444
0.120757	1.26292	0.0494345	0.641129	0.0300482	0.626974	0.0276797
0.121374	1.26179	0.0491146	0.634949	0.0406403	0.628314	0.0285436
0.139132	1.26725	0.0462614	0.63457	0.0361106	0.621101	0.0290496
0.14786	1.26181	0.0423614	0.632954	0.0388922	0.632231	0.0355163
0.171164	1.25182	0.0397695	0.63022	0.038676	0.631681	0.0373888
0.193526	1.2578	0.0410193	0.627513	0.0356612	0.646315	0.0312616
0.247582	1.25569	0.0404354	0.637804	0.0337322	0.63748	0.0302564
0.263696	1.2572	0.0432561	0.635656	0.0329598	0.634947	0.0400308
0.301069	1.26035	0.0485941	0.632457	0.0323479	0.636765	0.0330026
0.367921	1.25187	0.0477282	0.620578	0.0443002	0.642379	0.0297983
0.457773	1.24381	0.0462035	0.62931	0.036889	0.644444	0.0301814
0.544134	1.23931	0.0447766	0.626925	0.0383305	0.645415	0.0239017
0.61111	1.23966	0.0479479	0.637331	0.0379938	0.643675	0.0293549
0.775703	1.23323	0.0394006	0.633383	0.037907	0.647648	0.0247844
0.905482	1.22799	0.0444086	0.631661	0.0344462	0.649411	0.0333066
1.03042	1.22743	0.0482201	0.623174	0.0399218	0.642735	0.0403567
1.25979	1.22959	0.043825	0.630183	0.0394075	0.644019	0.0336604
1.45157	1.22922	0.049796	0.621751	0.0327154	0.654031	0.0309568
1.64597	1.22865	0.042481	0.623846	0.0332633	0.648715	0.0330369
1.8613	1.22818	0.0372315	0.623411	0.0290942	0.64805	0.0314094
2.05954	1.22641	0.0446238	0.622175	0.0322717	0.650809	0.0302424
2.30303	1.22634	0.0430132	0.61582	0.0371494	0.647098	0.0301503
2.52664	1.22403	0.0382491	0.618534	0.0414334	0.646057	0.037371

2.64708	1.21732	0.0387648	0.619539	0.0381463	0.647917	0.0427563
2.85552	1.21144	0.0426931	0.615855	0.0314918	0.648256	0.0295209
2.9436	1.21871	0.0484709	0.615472	0.0280206	0.65567	0.0374932
3.13415	1.21172	0.0442949	0.618943	0.0351935	0.652338	0.0358214
3.18473	1.20188	0.038266	0.615694	0.0382387	0.645687	0.0320862
3.27805	1.20438	0.0406414	0.621583	0.0295541	0.645814	0.0329423
3.1794	1.1977	0.0452878	0.621093	0.0400778	0.63877	0.0351166
3.2049	1.19896	0.0412365	0.612823	0.031728	0.638136	0.0407829
3.15581	1.2016	0.0433144	0.614414	0.0375489	0.649966	0.0302774
2.92544	1.19239	0.0420737	0.606068	0.0338892	0.640013	0.0346894
2.81208	1.18456	0.0387743	0.615071	0.0338894	0.62722	0.0347962
2.62761	1.18989	0.0387616	0.60626	0.0335584	0.636043	0.0233067
2.42302	1.18603	0.0414131	0.605911	0.0358204	0.635739	0.0424043
2.20952	1.18289	0.0399852	0.608238	0.0375094	0.627804	0.0275227
2.06231	1.18746	0.0394933	0.604042	0.0369318	0.608782	0.0269517
1.70888	1.18411	0.0347292	0.600434	0.0302122	0.613611	0.0269963
1.55105	1.18499	0.0350125	0.600592	0.0424811	0.610043	0.0363631
1.32821	1.18179	0.0376538	0.598649	0.0296819	0.60587	0.0358204
1.13807	1.18205	0.0403792	0.586968	0.0266326	0.596864	0.0221463
0.983309	1.17823	0.0416415	0.6007	0.0302499	0.596658	0.0335061
0.815623	1.17295	0.0428417	0.601306	0.0373753	0.588801	0.0290933
0.737745	1.16431	0.0408649	0.585992	0.0377624	0.591407	0.0354479
0.568641	1.15245	0.0398811	0.597308	0.0292843	0.589551	0.0369605
0.458828	1.14778	0.0367321	0.59298	0.0343232	0.589792	0.0229101
0.3762	1.14771	0.0402464	0.59546	0.0287628	0.594297	0.0333934
0.295295	1.14143	0.0390267	0.586606	0.0308155	0.577949	0.026002
0.251799	1.14904	0.0454263	0.588334	0.0332392	0.584366	0.037819
0.218094	1.14721	0.047414	0.58236	0.0276027	0.573505	0.0282392
0.169754	1.13532	0.0437373	0.575531	0.0245452	0.573374	0.0279674
0.130181	1.13318	0.0474821	0.579485	0.0274258	0.567476	0.0300739
0.144582	1.13011	0.0371114	0.584674	0.037816	0.568268	0.03263
0.109767	1.12587	0.0425994	0.57808	0.0386217	0.569458	0.0260791
0.0917397	1.12134	0.041478	0.57527	0.0334841	0.567356	0.0242645
0.0849886	1.12323	0.0388567	0.569083	0.0271563	0.567197	0.0278374
0.0962389	1.11955	0.0342347	0.568567	0.0321331	0.568997	0.0255178
0.0976248	1.10813	0.0374481	0.571145	0.0418494	0.560981	0.0322487
0.0667772	1.10662	0.0398175	0.568055	0.0306499	0.564754	0.0271755
0.0793177	1.10932	0.0379554	0.565448	0.0302939	0.564424	0.0267492
0.0932561	1.11169	0.0327562	0.562594	0.0307871	0.551263	0.0351726
0.0847462	1.11206	0.0368962	0.562348	0.0268158	0.562397	0.0304819
0.0808763	1.10958	0.0355342	0.560285	0.027625	0.562745	0.0268183
0.0972219	1.10407	0.033239	0.561679	0.0358705	0.567264	0.0272288
0.0730407	1.10054	0.0385399	0.560585	0.0209071	0.561813	0.0243766
0.0943243	1.09297	0.0427998	0.561157	0.0311355	0.561021	0.0254645
0.0894272	1.09562	0.0425609	0.554678	0.035197	0.554965	0.0245457
0.0748405	1.09804	0.0437915	0.563027	0.0318454	0.56858	0.0321969
0.0810419	1.09429	0.0409617	0.555545	0.0252018	0.56722	0.0212145

0.0886521	1.09041	0.035411	0.561254	0.0273942	0.581944	0.0278186
0.1251	1.09362	0.0340454	0.559634	0.0290692	0.59107	0.0289373
0.119815	1.09859	0.0456682	0.565122	0.0245927	0.593245	0.0372034
0.142889	1.0939	0.0464831	0.575789	0.0344069	0.608365	0.0313305
0.189147	1.08507	0.0384128	0.57068	0.0285438	0.618517	0.0361685
0.18405	1.08552	0.0321804	0.566301	0.0375976	0.619547	0.0320458
0.17315	1.09018	0.0410703	0.57592	0.0319609	0.650298	0.0309435
0.254773	1.09175	0.0460985	0.57747	0.0296528	0.66052	0.0365374
0.254246	1.09243	0.0424833	0.568147	0.023575	0.663748	0.0330116
0.301366	1.09582	0.0425474	0.578589	0.0310268	0.682468	0.0331501
0.354547	1.09666	0.0413641	0.583165	0.032244	0.690537	0.0363073
0.40947	1.09994	0.0409002	0.589926	0.029986	0.703173	0.0393528
0.425118	1.0998	0.0472461	0.591497	0.0315321	0.71835	0.0286891
0.497074	1.09428	0.0410081	0.595081	0.0376407	0.728671	0.0283762
0.508554	1.0834	0.0400868	0.599664	0.0279214	0.727396	0.0305934
0.589033	1.08354	0.0466132	0.592441	0.0291183	0.738715	0.0352586
0.6463	1.08885	0.047766	0.601189	0.0317899	0.73387	0.027196
0.679752	1.08136	0.0445354	0.603122	0.0302052	0.748683	0.0306015
0.739567	1.0754	0.0397121	0.60104	0.0291126	0.738722	0.0426365
0.784587	1.06367	0.0407103	0.603086	0.033343	0.741363	0.0389861
0.822	1.07028	0.0426148	0.601036	0.0321403	0.72634	0.0395776
0.859581	1.06924	0.0398985	0.585429	0.0313096	0.713327	0.036719
0.856775	1.06153	0.0385777	0.58271	0.0328563	0.698326	0.0322881
0.891109	1.05494	0.0348802	0.5849	0.0283292	0.689774	0.0380274
0.896958	1.04964	0.0384269	0.576596	0.0333576	0.67875	0.0413512
0.884145	1.04544	0.0346073	0.572757	0.0335762	0.669127	0.0297553
0.828954	1.04268	0.0327783	0.568982	0.0310892	0.656739	0.023745
0.827294	1.0379	0.033478	0.563003	0.0281782	0.632083	0.0335872
0.785922	1.03699	0.0308571	0.563215	0.0261628	0.622463	0.0260879
0.775906	1.03101	0.0275941	0.552125	0.0273525	0.612715	0.0342167
0.691692	1.02365	0.0334749	0.545786	0.0328932	0.602831	0.0282029
0.630661	1.02108	0.0382108	0.541412	0.0260563	0.58583	0.024058
0.565208	1.02505	0.0424249	0.542036	0.0267737	0.574448	0.0330356
0.546689	1.021	0.0369895	0.539039	0.0306272	0.572475	0.0365318
0.4416	1.01809	0.0320007	0.540047	0.0322354	0.553166	0.0274394
0.425172	1.02446	0.0334486	0.533162	0.0270018	0.545719	0.0341688
0.368043	1.02003	0.0371281	0.519094	0.0285073	0.534192	0.0309347
0.324495	1.01101	0.032105	0.529307	0.0320441	0.531175	0.0273708
0.262367	1.00743	0.0314257	0.528213	0.0305746	0.532945	0.0237351
0.204157	1.00376	0.0343616	0.523665	0.0287829	0.519223	0.0287663
0.192404	1.00383	0.0391575	0.522634	0.029289	0.521777	0.0276957
0.198821	1.00416	0.0410451	0.517844	0.0293813	0.518049	0.0297293
0.146839	0.999259	0.0382439	0.519167	0.0285114	0.525199	0.029378
0.129758	1.00184	0.0307479	0.524983	0.0261598	0.521158	0.0336887
0.119906	1.00225	0.0322748	0.522673	0.0248386	0.512147	0.0333258
0.0950385	1.00283	0.0331524	0.513186	0.0331692	0.522159	0.0293272
0.0936402	0.997656	0.030806	0.511912	0.0275873	0.50957	0.0336619

0.0777605	0.995641	0.0248131	0.507538	0.0314702	0.510631	0.0306905
0.0868432	1.00018	0.0274932	0.506082	0.0331467	0.517521	0.0280041
0.0673065	1.00103	0.0285663	0.513611	0.0284657	0.518715	0.0227337
0.0839607	0.994646	0.0337611	0.508998	0.0303382	0.513087	0.0225682
0.0576869	0.989575	0.0268119	0.510376	0.0254544	0.500917	0.0311938
0.0557535	0.994026	0.0292375	0.508439	0.0308078	0.511113	0.0306995
0.0669254	0.986697	0.0312665	0.511828	0.0257597	0.509965	0.0238229
0.0534328	0.985704	0.0378245	0.502898	0.0306536	0.500635	0.0256
0.0574546	0.986157	0.0369664	0.498732	0.0275059	0.507395	0.0352704
0.06157	0.985242	0.0355686	0.511228	0.0283829	0.499903	0.0237093
0.0618464	0.986021	0.0314934	0.500227	0.0240717	0.498078	0.0220636
0.0669563	0.984	0.0292699	0.502894	0.0269589	0.50103	0.0341259
0.0550048	0.983025	0.0302248	0.504987	0.0344568	0.492419	0.0321105
0.0623739	0.97959	0.0342939	0.49372	0.0258949	0.498776	0.020413
0.0594516	0.989415	0.0348635	0.501125	0.0299033	0.500619	0.0264417
0.0656972	0.985847	0.0339773	0.504234	0.026278	0.501326	0.0238557
0.0807908	0.97992	0.0308538	0.507019	0.0251673	0.49496	0.0247089
0.0745334	0.985873	0.0341175	0.495599	0.0321173	0.498029	0.0255838
0.0605111	0.985581	0.0282959	0.49852	0.0267587	0.502293	0.0262693
0.0736016	0.985735	0.0296775	0.500766	0.0283596	0.502263	0.0273452
0.0610092	0.995959	0.0314054	0.498589	0.0316555	0.509547	0.0288777
0.0596503	1.00212	0.0293362	0.506157	0.0241281	0.49874	0.0289097
0.0690135	1.01507	0.0357827	0.506052	0.0277745	0.496133	0.0292669
0.0754769	1.03533	0.0288714	0.51268	0.0285148	0.499395	0.0275495
0.0585721	1.03935	0.0350804	0.509427	0.0247627	0.510475	0.0297807
0.0789442	1.05267	0.036399	0.517518	0.0266684	0.508793	0.0252758
0.0791659	1.0735	0.0386439	0.513086	0.0252351	0.513902	0.0204485
0.0659972	1.09941	0.0370176	0.523538	0.0265218	0.521085	0.0347628
0.0815162	1.11994	0.040708	0.537775	0.0251959	0.528297	0.0227271
0.0758593	1.15043	0.0463005	0.548344	0.025859	0.526328	0.0237673
0.0755625	1.177	0.0367798	0.560166	0.0243233	0.547126	0.0307846
0.0812186	1.21044	0.0388332	0.574344	0.029582	0.547777	0.0300401
0.0747864	1.2479	0.0394834	0.587802	0.0308331	0.569014	0.0342412
0.108779	1.27617	0.0433167	0.602877	0.0322254	0.580434	0.0305591
0.100156	1.30305	0.0483299	0.619771	0.0355966	0.59682	0.0337179
0.112132	1.33558	0.0497461	0.64098	0.0359484	0.601878	0.0323842
0.117632	1.35695	0.0557929	0.665854	0.0340825	0.624447	0.0399849
0.132728	1.38296	0.0552849	0.693647	0.0444446	0.635083	0.0280732
0.12888	1.40543	0.0590002	0.714338	0.0350941	0.660092	0.036398
0.153683	1.42928	0.0590506	0.746032	0.0444739	0.668935	0.038271
0.12878	1.43847	0.062565	0.756033	0.04026	0.678959	0.0380035
0.131847	1.44415	0.0612564	0.786891	0.0496505	0.702156	0.0384283
0.132497	1.4448	0.0663833	0.805832	0.0480736	0.710537	0.0456257
0.161418	1.43298	0.0709873	0.817973	0.0330012	0.726272	0.0357718
0.13577	1.42346	0.0647483	0.823334	0.0420481	0.731921	0.0483982
0.149659	1.40159	0.0575754	0.844574	0.0444265	0.734734	0.0389093
0.141784	1.38089	0.0555056	0.849158	0.0538167	0.727876	0.0345122

0.131101	1.35566	0.0553103	0.84465	0.0457149	0.730547	0.0462722
0.122191	1.31954	0.053833	0.847461	0.0470761	0.726661	0.0342682
0.137941	1.28145	0.0551468	0.839858	0.0438848	0.709411	0.0393938
0.134816	1.2427	0.0524113	0.823188	0.0488769	0.705479	0.0375913
0.154089	1.2091	0.0463008	0.814578	0.0520033	0.69312	0.0385905
0.129251	1.17891	0.0434291	0.792843	0.040854	0.686248	0.0389527
0.105734	1.14885	0.0347058	0.765612	0.0420046	0.657828	0.0355056
0.114535	1.09424	0.0401009	0.747202	0.0418846	0.642468	0.0334102
0.110393	1.05661	0.0381485	0.71959	0.0422306	0.616448	0.035555
0.0856758	1.03515	0.0331474	0.699745	0.0351849	0.613105	0.0355483
0.0961957	1.01895	0.0269604	0.666268	0.0278828	0.583526	0.0373329
0.0945416	0.989303	0.0314493	0.64715	0.0343187	0.567516	0.0276147
0.0664684	0.956434	0.0331016	0.620265	0.0390466	0.551923	0.0357574
0.0845601	0.946384	0.0300704	0.590936	0.0301783	0.539808	0.0241573
0.0646871	0.925975	0.0281772	0.564204	0.0355494	0.517163	0.0287582
0.0654316	0.917137	0.0311034	0.549923	0.0262974	0.512381	0.0291403
0.0630177	0.902863	0.0322811	0.534135	0.0263536	0.502427	0.0242057
0.0629234	0.890641	0.0286527	0.524515	0.0213768	0.492158	0.028645
0.0609184	0.878122	0.0287167	0.507819	0.0274654	0.472716	0.0226257
0.0532949	0.876492	0.0272135	0.495379	0.0233792	0.470441	0.0268364
0.0556345	0.877079	0.0250134	0.483165	0.027791	0.46301	0.0244757
0.0487454	0.870332	0.0280173	0.476948	0.0272756	0.45858	0.0216473
0.0627396	0.86488	0.0306825	0.469131	0.0289171	0.45979	0.0249595
0.0479176	0.860683	0.0325882	0.466403	0.0233735	0.450767	0.0273768
0.0588351	0.864316	0.031565	0.455597	0.0166257	0.447924	0.0308231
0.056295	0.855877	0.0265924	0.455665	0.0277762	0.445027	0.0213628
0.0500858	0.840883	0.0266218	0.449565	0.0263953	0.440817	0.0241374
0.0563991	0.846881	0.0298911	0.452392	0.019406	0.441068	0.0250988
0.047789	0.844805	0.0302588	0.447492	0.0231088	0.429166	0.0272465
0.0508902	0.839044	0.0318025	0.452697	0.0291124	0.442328	0.021821
0.0492149	0.835386	0.0287696	0.433888	0.0250138	0.438667	0.0266548
0.0560203	0.835678	0.0243192	0.442506	0.0224293	0.438416	0.0188464
0.0681233	0.827435	0.0244899	0.437472	0.0200283	0.438193	0.0257513
0.0635961	0.824146	0.02689	0.436375	0.0278457	0.429288	0.0218017
0.0624461	0.825567	0.0238017	0.440658	0.0259922	0.431649	0.0283204
0.0521204	0.826646	0.0273617	0.434044	0.0240818	0.429854	0.0227922
0.0637521	0.824646	0.0277782	0.431192	0.0224394	0.426282	0.0257832
0.054732	0.816918	0.0281824	0.427055	0.0208279	0.420004	0.0249756
0.060663	0.811372	0.0306241	0.434	0.0171725	0.419686	0.0278194
0.0543202	0.812777	0.026341	0.429447	0.0190491	0.422033	0.0250487
0.0481495	0.812797	0.0286626	0.426129	0.0193778	0.42269	0.0242191
0.0475975	0.81037	0.03043	0.428854	0.0244361	0.419975	0.0230774
0.0571003	0.807278	0.0250027	0.429965	0.0326343	0.417403	0.0208025
0.0519781	0.807162	0.0301895	0.429104	0.022067	0.42036	0.0229904
0.045744	0.805998	0.0297676	0.425639	0.0192912	0.427794	0.0191488
0.0381278	0.800611	0.0291384	0.41818	0.0231802	0.418376	0.0252245
0.0472112	0.798446	0.0272907	0.425943	0.0228411	0.411109	0.0188679

0.0585236	0.799559	0.0252802	0.416174	0.0276892	0.420487	0.0289776
0.0525688	0.79406	0.0223841	0.425549	0.020934	0.40255	0.0242846
0.0520464	0.793785	0.0223561	0.420998	0.0209242	0.412752	0.0213645
0.0466211	0.793083	0.0242945	0.414535	0.0235736	0.401182	0.0186313
0.051882	0.790297	0.0271956	0.418547	0.0229766	0.4127	0.0246903
0.0426328	0.784639	0.0286496	0.414075	0.0255316	0.406895	0.025058
0.0501727	0.781718	0.0250923	0.417973	0.0197513	0.406731	0.0220611
0.0460051	0.782267	0.0252504	0.408558	0.0266879	0.411543	0.0211635
0.0479068	0.778265	0.0304413	0.415969	0.0227603	0.41771	0.0268133
0.0478654	0.773204	0.0204881	0.404638	0.0195327	0.412348	0.0216291
0.0497992	0.775517	0.0212796	0.409613	0.0256083	0.41648	0.0264609
0.0444827	0.774037	0.0271788	0.412966	0.0229141	0.411026	0.0217219
0.0466107	0.771369	0.0311748	0.41488	0.0218931	0.410093	0.0203103
0.0517436	0.769335	0.0242462	0.403637	0.0194502	0.408929	0.0266093
0.0426326	0.766253	0.0288659	0.409942	0.027525	0.417264	0.0234312
0.0481029	0.765391	0.0350609	0.412239	0.0270171	0.422269	0.0251257
0.0551079	0.763987	0.0276808	0.406511	0.0274668	0.416145	0.021439
0.0546802	0.767928	0.0229508	0.409568	0.0197776	0.419414	0.0270722
0.0496825	0.766906	0.0255323	0.405215	0.0255399	0.421315	0.0207054
0.0495973	0.763863	0.0249923	0.414932	0.0203115	0.425453	0.0247
0.0380337	0.767488	0.0214457	0.409172	0.0205701	0.425839	0.022281
0.0493943	0.759622	0.0214398	0.405054	0.0235398	0.427853	0.0237939
0.0500854	0.761974	0.0172957	0.40667	0.0225893	0.428895	0.0289793
0.0501358	0.754699	0.0208951	0.414075	0.0214057	0.438935	0.0268533
0.0429537	0.759601	0.0225604	0.413302	0.0261318	0.436167	0.0294979
0.0396657	0.760155	0.024064	0.410504	0.0204087	0.446774	0.0231608
0.0425759	0.751605	0.0280242	0.414179	0.0160888	0.453986	0.0263629
0.0558062	0.755217	0.0308293	0.408594	0.0222962	0.450267	0.0269307
0.0440352	0.754813	0.0269256	0.410436	0.0238468	0.461518	0.0274097
0.0434042	0.747365	0.0299256	0.410557	0.0256391	0.451931	0.0244708
0.049587	0.745734	0.0243574	0.415566	0.0243846	0.464478	0.0248163
0.0508302	0.736656	0.0246841	0.416518	0.0245228	0.456758	0.0298259
0.0526076	0.737246	0.0307926	0.415878	0.0244511	0.456323	0.0236086
0.0447252	0.739708	0.0289651	0.413791	0.0252899	0.451664	0.0313497
0.0468624	0.740267	0.0280587	0.401214	0.026158	0.458756	0.0275176
0.0477446	0.732437	0.02851	0.409297	0.0145159	0.447736	0.0221352
0.0396583	0.724488	0.0290959	0.407344	0.0223179	0.443875	0.0281479
0.0321133	0.730549	0.0267629	0.400575	0.020534	0.442666	0.0247246
0.0497316	0.730013	0.0244461	0.400748	0.0292758	0.43308	0.0321437
0.0510215	0.732742	0.0278276	0.399314	0.0166532	0.427346	0.0309577
0.0465795	0.722781	0.0267416	0.401081	0.0253415	0.422558	0.0242924
0.0423502	0.719619	0.0229066	0.394278	0.0220089	0.425	0.0285972
0.0539785	0.715668	0.0262214	0.395829	0.0262688	0.417226	0.0255041
0.0423958	0.715107	0.0293698	0.385969	0.0224635	0.406818	0.0257446
0.0670519	0.712548	0.0249735	0.389074	0.0249674	0.399683	0.0215209
0.0432747	0.710616	0.0169691	0.382327	0.0206576	0.397186	0.0237525
0.0572399	0.704753	0.0292499	0.385885	0.0192884	0.386924	0.0256159

0.0600781	0.695981	0.0271685	0.373345	0.0162088	0.380427	0.019958
0.037758	0.692845	0.0232895	0.373387	0.0203095	0.380548	0.0292195
0.0530108	0.692121	0.0213035	0.38155	0.0269735	0.378579	0.0252618
0.0467394	0.689781	0.0283921	0.380379	0.0170963	0.377401	0.0236705
0.0448662	0.686648	0.0281109	0.369529	0.0189686	0.373727	0.0264051
0.0473737	0.685629	0.0263065	0.366321	0.0247872	0.372295	0.0235615
0.0586769	0.68352	0.0256219	0.362965	0.0190437	0.358029	0.0195621
0.0486992	0.683685	0.0257512	0.3662	0.0210297	0.363197	0.0240371
0.038133	0.67838	0.0250555	0.364216	0.0172361	0.366463	0.0209879
0.0452548	0.681411	0.0227036	0.35796	0.0130407	0.357891	0.0218827
0.0451016	0.673937	0.0215311	0.358705	0.0144574	0.355772	0.0238566
0.0474529	0.672542	0.0217196	0.368693	0.0185423	0.35376	0.0225251
0.0407141	0.671245	0.0196844	0.361625	0.0158067	0.347441	0.0205858
0.0428905	0.676854	0.0226516	0.353863	0.0207267	0.356192	0.0189762
0.0455852	0.667599	0.0264728	0.355378	0.0213734	0.354444	0.0202569
0.0376696	0.67301	0.0273741	0.354422	0.0216122	0.348959	0.0257788
0.039481	0.670157	0.0237428	0.353786	0.0177418	0.355766	0.0197548
0.0439456	0.661641	0.0238591	0.354316	0.0183332	0.346011	0.0207166
0.0411927	0.658701	0.0188929	0.350008	0.0159219	0.350062	0.022082
0.0462417	0.659992	0.0261251	0.350929	0.0148095	0.34856	0.0193733
0.056527	0.660849	0.0198343	0.346138	0.0190564	0.342703	0.0240187
0.0340806	0.661062	0.0222908	0.35145	0.019411	0.345008	0.0205929
0.0497663	0.654721	0.0212547	0.343284	0.0154633	0.340916	0.0220572
0.0391072	0.659094	0.0197492	0.344713	0.0206748	0.340908	0.0219941
0.043448	0.656345	0.0222248	0.346898	0.019487	0.344208	0.0264802
0.0349256	0.653124	0.0212379	0.339777	0.0200909	0.331576	0.0190112
0.0381083	0.644772	0.0285652	0.342723	0.0209833	0.332668	0.0184463
0.0444462	0.644196	0.0209477	0.337164	0.0187544	0.340051	0.0232909
0.0375173	0.646986	0.0236757	0.342121	0.017516	0.334679	0.0175857
0.0353466	0.65278	0.0252559	0.340733	0.014122	0.336133	0.0234568
0.0513267	0.641094	0.0217831	0.337174	0.0232763	0.337137	0.026862
0.0379722	0.638855	0.022666	0.340955	0.0275116	0.337196	0.0195013
0.0502899	0.640201	0.0218142	0.335805	0.0219982	0.331789	0.019015
0.0441164	0.640256	0.0227464	0.340434	0.0214446	0.336536	0.0207594
0.0445084	0.647253	0.0237528	0.336574	0.0231635	0.334589	0.023015
0.0513135	0.642715	0.0270494	0.340623	0.0174381	0.329531	0.0229888
0.0394538	0.648174	0.0197681	0.340641	0.0197299	0.339213	0.0219334
0.0494087	0.64538	0.0219327	0.340812	0.0171191	0.342088	0.0203416
0.0422088	0.645536	0.0253367	0.341921	0.0182839	0.338069	0.0176739
0.052899	0.644112	0.0232682	0.340677	0.0230709	0.345479	0.0214831
0.0404605	0.645435	0.0190802	0.338562	0.019938	0.346402	0.0247856
0.0424381	0.650987	0.0256138	0.336275	0.0186467	0.353182	0.0245818
0.0431262	0.660208	0.0284975	0.338627	0.0171146	0.364503	0.0247813
0.0418752	0.6576	0.0265624	0.343672	0.0197344	0.369209	0.0322257
0.0469988	0.660765	0.0217493	0.347242	0.0193345	0.38537	0.030603
0.0366562	0.663251	0.0188219	0.346609	0.0232601	0.391893	0.0348606
0.0437251	0.676303	0.02516	0.348854	0.0214186	0.397409	0.0281381

0.0449088	0.677483	0.0243285	0.356654	0.0156115	0.415237	0.0356679
0.0499905	0.688757	0.0197285	0.365711	0.0181508	0.43848	0.0448374
0.0349152	0.699272	0.0170322	0.368957	0.0216061	0.457067	0.0418102
0.0564789	0.712325	0.0270482	0.370526	0.0196264	0.483391	0.0599672
0.0486349	0.727796	0.0296314	0.376651	0.0206413	0.49885	0.0571215
0.0485971	0.722466	0.0254026	0.395938	0.0251583	0.524004	0.0601528
0.0472588	0.73706	0.0231146	0.404614	0.0207165	0.557225	0.0687583
0.0524757	0.747916	0.0205102	0.411753	0.0239632	0.579563	0.0807572
0.0559703	0.762385	0.0256252	0.420148	0.0240425	0.606909	0.0877522
0.042621	0.77201	0.0260746	0.431654	0.0195671	0.635732	0.0952725
0.0549267	0.780269	0.0215486	0.44473	0.0211101	0.667017	0.0998635
0.0469485	0.791484	0.0318056	0.456858	0.0216308	0.705199	0.0944304
0.0442162	0.797776	0.0327868	0.480029	0.0221039	0.727811	0.127768
0.0508555	0.809909	0.027085	0.482453	0.0316144	0.749183	0.127622
0.0626759	0.813176	0.0290726	0.502075	0.0257446	0.769638	0.124448
0.0550165	0.811581	0.0308201	0.508342	0.0248248	0.795617	0.135094
0.0532766	0.812008	0.029293	0.509957	0.0285781	0.814163	0.141253
0.0613202	0.815067	0.0228122	0.511584	0.0254675	0.830501	0.134367
0.0508464	0.818117	0.0259702	0.53078	0.0321322	0.823038	0.146021
0.0707803	0.798804	0.026084	0.531086	0.0311215	0.833574	0.14123
0.0537283	0.794804	0.02633	0.538802	0.0394089	0.834374	0.135727
0.0651188	0.792224	0.0228581	0.540488	0.0325965	0.810286	0.135173
0.057123	0.775008	0.0303802	0.538413	0.028645	0.807028	0.135549
0.0607703	0.767637	0.0223655	0.532334	0.0369477	0.771113	0.126266
0.071286	0.755825	0.0180923	0.526797	0.0240686	0.769833	0.113973
0.0576698	0.747913	0.0217213	0.525714	0.0295341	0.737492	0.123207
0.0606999	0.727245	0.02121	0.51483	0.0302727	0.71335	0.113353
0.0642087	0.705739	0.02423	0.503305	0.0284523	0.679338	0.0974304
0.0527581	0.692136	0.0253577	0.503775	0.0293333	0.642653	0.085624
0.0557089	0.687588	0.0264523	0.481711	0.0285453	0.612507	0.0894132
0.0589636	0.673245	0.0193362	0.468009	0.0268178	0.583644	0.0741484
0.0530875	0.658519	0.0220925	0.451696	0.0294765	0.542476	0.0673739
0.0583146	0.647089	0.0217116	0.43574	0.0230254	0.513141	0.0635922
0.0620079	0.637638	0.014804	0.421981	0.0232822	0.48993	0.0476258
0.0533696	0.624485	0.0217441	0.413334	0.0178441	0.462913	0.0519121
0.0540233	0.616813	0.0214898	0.397397	0.0243879	0.435431	0.0379729
0.04195	0.602195	0.0186244	0.389743	0.0181314	0.405328	0.0302479
0.0392748	0.593813	0.0187413	0.36742	0.0169124	0.388454	0.0347714
0.0410138	0.588403	0.0214799	0.357884	0.0222937	0.37357	0.0356044
0.0402857	0.590264	0.0232297	0.353341	0.0178316	0.365094	0.0264946
0.0382588	0.587836	0.0290248	0.340797	0.0173109	0.351892	0.024761
0.0411116	0.574135	0.0223212	0.338911	0.0167027	0.333162	0.0200853
0.046213	0.570394	0.0179717	0.331315	0.0208092	0.323021	0.0213067
0.040953	0.571483	0.0293355	0.326713	0.0211033	0.320284	0.0267759
0.0341542	0.572715	0.0252861	0.319795	0.0187405	0.320408	0.0260058
0.036261	0.561584	0.0204817	0.32	0.022593	0.305116	0.0220761
0.0418148	0.557058	0.0253809	0.309518	0.0194989	0.304268	0.0227584

0.0448648	0.557769	0.02605	0.310902	0.0141982	0.300295	0.0147141
0.0419151	0.555902	0.0165157	0.312904	0.0156141	0.302312	0.019235
0.0404016	0.558905	0.0244151	0.304847	0.0182399	0.299267	0.0240413
0.0399947	0.547085	0.0223886	0.30958	0.0160625	0.300842	0.0214179
0.0352383	0.556616	0.0167739	0.297802	0.0157153	0.298879	0.0151275
0.0444747	0.549672	0.02116	0.304247	0.019214	0.294814	0.0203473
0.0384344	0.543581	0.0204405	0.308084	0.0161646	0.290172	0.0241629
0.0355205	0.538018	0.0247455	0.299853	0.021649	0.295095	0.0187486
0.0395421	0.536289	0.0218367	0.291377	0.015218	0.29595	0.0178175
0.0357673	0.544097	0.0216103	0.297038	0.0173939	0.29236	0.0204468
0.0469588	0.534984	0.0180879	0.298412	0.0198015	0.293354	0.0185378
0.0432845	0.536754	0.0230375	0.296714	0.0172905	0.28703	0.0205477
0.0486171	0.53656	0.021383	0.288338	0.0196591	0.289979	0.0186529
0.0386798	0.528944	0.0218459	0.288332	0.0134976	0.285249	0.0205026
0.0431221	0.528747	0.029477	0.293629	0.0176751	0.288418	0.020304
0.0459433	0.531676	0.0214465	0.287515	0.0185891	0.282906	0.0230515
0.0368743	0.520433	0.0183491	0.285997	0.0187387	0.286876	0.0192381
0.0380321	0.532344	0.0212389	0.290984	0.0180403	0.279697	0.016542
0.0365383	0.520787	0.0217893	0.287692	0.0182862	0.2831	0.0163838
0.0383428	0.525189	0.0202209	0.283285	0.0140184	0.274744	0.0178223
0.0294809	0.515541	0.022715	0.286854	0.0208952	0.278566	0.022182
0.0419079	0.521614	0.020392	0.2843	0.012345	0.283437	0.0209458
0.039431	0.511983	0.0204906	0.282969	0.0131457	0.273953	0.0168841
0.0420719	0.504531	0.0225559	0.284537	0.0233943	0.276833	0.0155869
0.039911	0.507283	0.0259529	0.278227	0.0144627	0.276987	0.0205825
0.0354551	0.514708	0.0198623	0.277837	0.0131031	0.273524	0.0190459
0.0381465	0.50871	0.0225048	0.276856	0.0177332	0.275546	0.0209097
0.0341122	0.50433	0.0229726	0.273921	0.015517	0.275223	0.0201422
0.0440397	0.503455	0.0233934	0.272743	0.0180769	0.270936	0.0189398
0.0350447	0.511267	0.0219668	0.276356	0.0168305	0.275417	0.0206982
0.0404944	0.51034	0.0213928	0.26727	0.0154132	0.274247	0.0178481
0.0443656	0.508658	0.0222969	0.268205	0.0164777	0.269555	0.0213876
0.0359424	0.49691	0.0216432	0.27318	0.0144613	0.271647	0.0146854
0.0281955	0.497804	0.0224531	0.276225	0.017228	0.274439	0.0190167
0.0338622	0.498626	0.0215172	0.271548	0.0144541	0.270423	0.0207952
0.0365744	0.49779	0.0249147	0.269326	0.0147475	0.269207	0.0177413
0.0206119	0.500024	0.0242046	0.268599	0.0166966	0.268105	0.0179647
0.0312019	0.496932	0.0169653	0.268487	0.0147575	0.270618	0.0163692
0.0438715	0.49261	0.0198098	0.270028	0.0181813	0.26529	0.0201737
0.0394494	0.489863	0.0222472	0.268349	0.0157069	0.277597	0.016808
0.0377763	0.48683	0.0270252	0.264748	0.0176709	0.268625	0.0183295
0.0346687	0.490114	0.0227698	0.271276	0.0163439	0.273049	0.0209648
0.0391935	0.49612	0.0183822	0.26672	0.0144621	0.269919	0.0184228
0.0496102	0.489784	0.020022	0.272499	0.016983	0.272763	0.0192906
0.0356873	0.485948	0.0243208	0.272982	0.0196362	0.269692	0.0173109
0.0415323	0.492964	0.0245783	0.26959	0.017414	0.280325	0.0263023
0.0360291	0.477085	0.0221343	0.258469	0.0194164	0.286673	0.0207159

0.0399994	0.482793	0.0179749	0.257018	0.0145516	0.271959	0.0167625
0.0382244	0.477815	0.0207709	0.267558	0.0194075	0.271413	0.0231129
0.0318982	0.476233	0.0261687	0.261895	0.0116931	0.278919	0.017669
0.0372994	0.481425	0.020569	0.266175	0.0131232	0.276942	0.01909
0.0379482	0.480211	0.0203949	0.261854	0.0174585	0.281627	0.0171868
0.0403691	0.481538	0.0190014	0.270081	0.0163304	0.279327	0.0200482
0.0336139	0.479563	0.019813	0.263765	0.0168103	0.277725	0.018891
0.034002	0.472193	0.0174757	0.270792	0.0182967	0.281172	0.0182884
0.0325003	0.475423	0.0262877	0.258205	0.0173405	0.278743	0.018992
0.0324401	0.474708	0.0201931	0.263103	0.0163969	0.278186	0.0176481
0.0349006	0.473325	0.0231739	0.264415	0.0136093	0.279324	0.0183133
0.0392216	0.474827	0.0157827	0.257946	0.0139462	0.278761	0.0227503
0.0318716	0.468484	0.0219865	0.260655	0.0176079	0.277522	0.0221045
0.0453572	0.473354	0.0239037	0.265357	0.0122671	0.276146	0.0186435
0.0344242	0.470872	0.0170311	0.261012	0.0150994	0.280223	0.0189235
0.0345738	0.467145	0.0240564	0.258438	0.0153863	0.283218	0.0155841
0.0366106	0.471403	0.0227685	0.265287	0.0173219	0.268833	0.0186138
0.0290035	0.465356	0.0167021	0.262326	0.0155179	0.270531	0.0218325
0.0355494	0.454191	0.0190121	0.255187	0.0137097	0.262899	0.0183797
0.0434815	0.461317	0.0176881	0.257661	0.0183184	0.265688	0.0177869
0.0363845	0.459885	0.0181255	0.265961	0.0156811	0.260898	0.0145303
0.0347338	0.45815	0.020304	0.260703	0.0187557	0.270649	0.0192393
0.0389378	0.462774	0.0240838	0.257313	0.0132644	0.270725	0.0220085
0.0327146	0.46286	0.0170108	0.258223	0.0161087	0.259827	0.0187211
0.0360397	0.459155	0.0191234	0.256421	0.018986	0.261021	0.016711
0.0408513	0.454208	0.0150299	0.253605	0.015782	0.261881	0.0169508
0.0491888	0.447552	0.0199944	0.255981	0.0154621	0.260825	0.0207438
0.0349903	0.452745	0.0218852	0.25401	0.0158756	0.259459	0.0245501
0.0390549	0.450426	0.0218848	0.254488	0.0101616	0.256774	0.0175321
0.0346003	0.447074	0.0151857	0.258077	0.0120771	0.262632	0.018387
0.0436333	0.451604	0.0154663	0.249205	0.016532	0.254295	0.01697
0.0324173	0.447869	0.0221176	0.25264	0.0147766	0.249357	0.0153469
0.036047	0.445657	0.0168379	0.248768	0.0157841	0.253934	0.019646
0.0439519	0.443887	0.0197189	0.248142	0.0175681	0.249508	0.0138252
0.0363799	0.449644	0.0183612	0.254785	0.0149886	0.247946	0.0158805
0.0338196	0.445566	0.0208859	0.247596	0.017711	0.251211	0.0206203
0.0314052	0.439542	0.0166092	0.246462	0.00994866	0.242652	0.0182082
0.0438828	0.446119	0.0208477	0.246378	0.0129158	0.245739	0.0169437
0.0342599	0.436403	0.0172917	0.246179	0.0164997	0.243385	0.0167754
0.0342557	0.442726	0.0220037	0.251691	0.0192403	0.245278	0.0159876
0.0425152	0.439183	0.0200439	0.245721	0.0145341	0.246308	0.0155484
0.0285654	0.440211	0.0135956	0.245767	0.0146846	0.243722	0.0182558
0.0355198	0.435953	0.0146302	0.248512	0.0177029	0.251354	0.017443
0.0351915	0.441405	0.0158365	0.250501	0.0149875	0.245208	0.0198635
0.0270796	0.436094	0.0189741	0.248537	0.0143796	0.241318	0.0195417
0.0455328	0.435273	0.0168509	0.24368	0.014441	0.246712	0.0164668
0.0389961	0.432771	0.0174915	0.248786	0.0129048	0.239188	0.0220268

0.0416297	0.433166	0.0179146	0.240254	0.0131614	0.243194	0.0157493
0.0373225	0.430728	0.0175184	0.245782	0.0152361	0.246277	0.0167773
0.0274715	0.429069	0.0195657	0.245068	0.0135705	0.252021	0.019115
0.0326819	0.437419	0.0193088	0.243448	0.0146671	0.242717	0.0201787
0.038475	0.428302	0.0200783	0.239429	0.0156483	0.240162	0.0170537
0.033838	0.427432	0.0179746	0.241428	0.0140709	0.239273	0.0124491
0.0386222	0.433987	0.0115112	0.236101	0.0137512	0.238551	0.0168564
0.0472658	0.429551	0.0174449	0.24119	0.0128769	0.240909	0.0177575
0.0298682	0.427399	0.0179721	0.244653	0.0193901	0.240026	0.0162068
0.0369498	0.424716	0.0166305	0.23566	0.017091	0.237969	0.0179128
0.0423897	0.423655	0.0172403	0.241492	0.0142742	0.241434	0.0184477
0.0346627	0.422788	0.0260153	0.24092	0.0160347	0.24213	0.0186156
0.0434039	0.426262	0.0194732	0.240367	0.0172558	0.2373	0.0147779
0.0316453	0.422864	0.0206504	0.235397	0.0145531	0.243111	0.020314
0.0313298	0.416766	0.013355	0.244711	0.0148191	0.241291	0.0168781
0.0397436	0.418768	0.0179042	0.233287	0.0140818	0.236018	0.0164308
0.0348478	0.424208	0.0124565	0.238637	0.0213324	0.235243	0.0178082
0.0322181	0.42154	0.0181256	0.241361	0.0224114	0.24453	0.0157426
0.0336155	0.419797	0.0171931	0.240081	0.0185817	0.236114	0.0245502
0.0338597	0.414411	0.0122228	0.236947	0.0177449	0.235501	0.0179089
0.0427373	0.416822	0.0142669	0.241412	0.0149486	0.234452	0.0194229
0.033264	0.422664	0.0174152	0.240442	0.0155749	0.237748	0.0190739
0.0344603	0.416331	0.0194614	0.238081	0.0168544	0.235255	0.0169395
0.0394936	0.419402	0.0189437	0.236341	0.0160139	0.23881	0.0175817
0.0385123	0.417415	0.0191749	0.239817	0.014286	0.237645	0.0179959
0.0359626	0.412125	0.0152211	0.233679	0.0115277	0.235661	0.0160781
0.0313752	0.419755	0.0160282	0.235001	0.0131759	0.243434	0.0232771
0.0297175	0.421599	0.0189616	0.237909	0.0197348	0.231824	0.0174158
0.0315153	0.42267	0.0223296	0.243036	0.0159872	0.236164	0.0181435
0.0352495	0.416733	0.0175163	0.235882	0.0165001	0.240946	0.0187893
0.0433127	0.416327	0.0177315	0.235454	0.0114623	0.239167	0.017945
0.0354092	0.417398	0.0193892	0.236777	0.0132609	0.241086	0.0180503
0.0270859	0.423137	0.0140097	0.238967	0.0107688	0.244887	0.0196256
0.0367421	0.416384	0.0139708	0.24475	0.0156334	0.241105	0.0188978
0.0346756	0.416706	0.0203707	0.244787	0.0149402	0.237215	0.0142422
0.0387486	0.416952	0.0187537	0.246291	0.0174945	0.234962	0.0170258
0.0411288	0.41525	0.0159114	0.246176	0.015149	0.249713	0.0182447
0.0344498	0.417493	0.019311	0.242911	0.0125316	0.243127	0.017051
0.0362179	0.419527	0.0166981	0.239863	0.0157595	0.246516	0.0171495
0.0295133	0.419275	0.0196602	0.245013	0.014245	0.244413	0.0193676
0.0287029	0.424448	0.0123149	0.246666	0.0175636	0.244709	0.0172198
0.0397375	0.42318	0.0136604	0.245794	0.0205397	0.245031	0.0147768
0.0376683	0.419833	0.0158042	0.249554	0.0115385	0.246643	0.0212603
0.0296935	0.421532	0.0172049	0.24718	0.0139153	0.248771	0.0168964
0.0346275	0.419851	0.0146768	0.246465	0.0177814	0.256126	0.0207353
0.0389252	0.415456	0.0159521	0.249726	0.0147597	0.2492	0.0189501
0.0345616	0.412278	0.0170378	0.245706	0.0142602	0.250508	0.0201534

0.0366429	0.41553	0.0165187	0.254095	0.0149798	0.25509	0.0203739
0.0414786	0.417036	0.0159911	0.259145	0.0165377	0.255337	0.0160383
0.0346457	0.416898	0.0154961	0.255001	0.0188547	0.259704	0.0186095
0.0461404	0.41838	0.0175184	0.251447	0.0159876	0.263762	0.0222539
0.0321862	0.418841	0.0143975	0.251598	0.0133169	0.262454	0.018963
0.0300424	0.420267	0.0155532	0.25341	0.0153976	0.263948	0.0195644
0.041793	0.415252	0.018078	0.256249	0.0140649	0.273994	0.0187149
0.0370777	0.419197	0.013021	0.252839	0.0173876	0.272726	0.0216376
0.0330266	0.420535	0.0144428	0.251188	0.0146294	0.269874	0.021699
0.0262478	0.420393	0.0162391	0.259402	0.0156704	0.27934	0.0248237
0.0424888	0.416072	0.0163563	0.256676	0.0153439	0.280738	0.0217083
0.0354099	0.412331	0.0147233	0.256174	0.0138372	0.292204	0.0247353
0.0389657	0.417238	0.0179344	0.255878	0.0155225	0.292495	0.0252661
0.0341831	0.414896	0.0164641	0.256793	0.0134732	0.29322	0.0294909
0.0330551	0.423781	0.0186681	0.259334	0.0166146	0.297913	0.0235727
0.0357706	0.421632	0.0180672	0.259344	0.0144451	0.302368	0.0240532
0.0361021	0.416106	0.0152429	0.270644	0.0177375	0.310848	0.0282386
0.0381735	0.416957	0.0185382	0.25617	0.0151141	0.314342	0.0188869
0.0334017	0.415034	0.0144833	0.260327	0.0156107	0.312889	0.0300223
0.0283496	0.412605	0.0129988	0.263001	0.0174547	0.313103	0.0337054
0.0457688	0.412453	0.0175376	0.260936	0.0129992	0.310941	0.0307936
0.0398106	0.415599	0.0154347	0.266526	0.0199095	0.313964	0.0307738
0.0449681	0.413886	0.012134	0.262811	0.0178237	0.314604	0.0288104
0.0428704	0.408409	0.0125936	0.263617	0.0167188	0.317571	0.0326987
0.0393857	0.408273	0.0145721	0.264979	0.015477	0.310722	0.0256027
0.037476	0.407172	0.0151952	0.262813	0.0173756	0.312554	0.0355438
0.0358508	0.407262	0.0197233	0.260321	0.0167814	0.303266	0.0256318
0.0364007	0.403747	0.013149	0.261773	0.0141852	0.300111	0.0252843
0.035492	0.401483	0.0151225	0.256079	0.0163401	0.299576	0.0242542
0.0369888	0.402863	0.0170897	0.260762	0.0170128	0.296168	0.0252723
0.0307645	0.402401	0.0194179	0.262478	0.0172493	0.292766	0.0199751
0.0395873	0.401665	0.016253	0.257007	0.016432	0.290819	0.0316359
0.0420003	0.398453	0.0154712	0.254034	0.0123125	0.282391	0.0223119
0.0277698	0.390333	0.0138211	0.249715	0.0152955	0.276785	0.0249936
0.0307725	0.393466	0.0128197	0.247372	0.0185381	0.267664	0.0220174
0.0319938	0.394308	0.0151051	0.246247	0.0150065	0.268985	0.024277
0.0330772	0.392272	0.013335	0.25404	0.0174201	0.271682	0.0189224
0.0359896	0.391373	0.0133689	0.252699	0.0171021	0.265604	0.0164757
0.0361928	0.39216	0.0103582	0.252019	0.0145797	0.262246	0.0178199
0.0377474	0.390431	0.0130987	0.252723	0.0146483	0.258747	0.0162847
0.0381546	0.391202	0.0163059	0.253397	0.0161954	0.24736	0.0168355
0.0341811	0.389374	0.0160497	0.247749	0.0125935	0.254858	0.0187629
0.0287212	0.391476	0.0175517	0.246892	0.017383	0.260245	0.0245282
0.0346388	0.399185	0.0107967	0.242999	0.0155415	0.260838	0.0206307
0.035162	0.3874	0.012002	0.242197	0.0150966	0.261973	0.0176447
0.0261867	0.388429	0.0134618	0.247891	0.0140523	0.257529	0.0181638
0.0361893	0.388309	0.0121326	0.249143	0.014907	0.256182	0.0230698

0.0347512	0.389598	0.015028	0.252357	0.0164369	0.260373	0.0218091
0.041671	0.390695	0.0147185	0.247623	0.011059	0.26149	0.0169612
0.0371317	0.3924	0.0135137	0.251607	0.0173483	0.259441	0.0190671
0.0292654	0.390996	0.0123391	0.248925	0.017209	0.261915	0.0213596
0.0324212	0.389741	0.010756	0.24903	0.0162515	0.258016	0.0179402
0.0485707	0.393148	0.017555	0.253955	0.0161479	0.256512	0.0181962
0.0329451	0.389643	0.0181227	0.256247	0.0165983	0.26519	0.0220422
0.0340001	0.387549	0.0150368	0.250628	0.0143536	0.264771	0.0193533
0.0406995	0.390098	0.0165614	0.250244	0.0182757	0.263623	0.0168542
0.0419439	0.391317	0.018234	0.248506	0.0141684	0.261164	0.0173376
0.0356507	0.391253	0.0114351	0.253695	0.0113784	0.269301	0.0195349
0.0348849	0.395612	0.0155457	0.260104	0.0125173	0.265301	0.0161759
0.0323531	0.395965	0.0148675	0.25632	0.017904	0.268364	0.0194802
0.0367166	0.393924	0.0142721	0.255489	0.0125374	0.264683	0.0251788
0.0286205	0.393323	0.0117365	0.255014	0.0192305	0.263516	0.0165632
0.0337605	0.392257	0.0158998	0.259916	0.0133176	0.272508	0.0221598
0.0411414	0.39805	0.0184206	0.258963	0.0139807	0.263056	0.0160776
0.0319093	0.399477	0.0138977	0.260356	0.0131017	0.258639	0.0179728
0.033852	0.393985	0.0136109	0.265124	0.0124227	0.272878	0.0164964
0.0327059	0.396113	0.015441	0.261164	0.0117176	0.267759	0.0212574
0.0329393	0.401479	0.0173921	0.269363	0.0171357	0.268982	0.0200847
0.028204	0.40246	0.0141212	0.265059	0.0157131	0.271692	0.0193944
0.0355349	0.396777	0.015397	0.263926	0.0154669	0.265845	0.0194711
0.0235923	0.402671	0.0185724	0.270886	0.0173917	0.279744	0.0202696
0.0388001	0.403811	0.0143848	0.266135	0.0136081	0.272299	0.0193847
0.0342074	0.406873	0.0140398	0.265204	0.0160464	0.277598	0.0168999
0.0308666	0.404387	0.020345	0.270961	0.0178563	0.277412	0.0195002
0.0312072	0.408715	0.014211	0.272486	0.0138924	0.281272	0.0180937
0.0445887	0.413484	0.0173323	0.276873	0.019943	0.2747	0.0175223
0.0389423	0.416411	0.0137442	0.279181	0.0159222	0.281921	0.0177627
0.0444246	0.416918	0.0143402	0.275219	0.0161122	0.285841	0.0196293
0.0240386	0.417583	0.0146087	0.275876	0.0181036	0.293176	0.0176219
0.0439062	0.417305	0.0178338	0.276442	0.0188613	0.285674	0.0202713
0.0346897	0.421159	0.0193026	0.285536	0.0172213	0.2912	0.0205852
0.0382366	0.425309	0.0146197	0.287387	0.0118997	0.287358	0.0178015
0.0326898	0.423145	0.0145366	0.2891	0.0118113	0.297056	0.0214003
0.040071	0.425518	0.0136378	0.283936	0.0146948	0.297397	0.0222132
0.0345933	0.426004	0.0164048	0.29168	0.0185203	0.304643	0.0208435
0.0363562	0.430601	0.0176897	0.292157	0.0160708	0.305203	0.0239154
0.0369077	0.437366	0.0141739	0.298291	0.01646	0.309319	0.0194727
0.0381477	0.440396	0.0167175	0.294288	0.017727	0.312765	0.0201476
0.0364585	0.444573	0.0189691	0.311851	0.0152371	0.307971	0.020459
0.0425807	0.448332	0.0176173	0.308453	0.0153966	0.319724	0.0196662
0.0344847	0.454416	0.0155608	0.31468	0.0188084	0.323874	0.0245532
0.0385776	0.460929	0.0153041	0.312455	0.0243675	0.334231	0.0262079
0.0369052	0.465225	0.0143314	0.314506	0.0172435	0.345327	0.0255198
0.0352727	0.470955	0.0174713	0.322637	0.0153639	0.335443	0.0224756

0.0396855	0.471109	0.0161128	0.324539	0.017481	0.341925	0.0202469
0.0459344	0.479158	0.014111	0.331857	0.0193889	0.35012	0.0193457
0.0383598	0.484454	0.0179686	0.337397	0.0167927	0.353456	0.0228626
0.0421719	0.489257	0.0167941	0.339259	0.0190265	0.358608	0.0180711
0.03751	0.498705	0.0172208	0.34538	0.0253614	0.365806	0.0195915
0.044368	0.508893	0.013581	0.344521	0.0163891	0.365603	0.0242904
0.048557	0.518629	0.0157543	0.350572	0.0179242	0.381997	0.0281026
0.0374921	0.523263	0.0166316	0.36561	0.019196	0.387923	0.0301186
0.0505527	0.530342	0.02019	0.36597	0.0196331	0.392311	0.0193866
0.0388099	0.53919	0.0176756	0.37659	0.0179669	0.404557	0.0203034
0.0390637	0.547247	0.015956	0.381241	0.0181212	0.418569	0.0282249
0.0397629	0.55789	0.0186256	0.390789	0.0169445	0.426584	0.0230505
0.047739	0.572542	0.0191619	0.403404	0.0227726	0.427528	0.0238725
0.0408826	0.577282	0.0178193	0.410035	0.0180107	0.440122	0.0221292
0.0419429	0.593078	0.0190404	0.41881	0.0208276	0.448514	0.0267911
0.0407602	0.610323	0.0187357	0.425859	0.0187285	0.452033	0.0267201
0.0445503	0.615465	0.0210464	0.432829	0.0187172	0.467269	0.0266842
0.0446157	0.625962	0.0230385	0.45063	0.0255211	0.478266	0.0250656
0.0531105	0.638834	0.0229899	0.457055	0.0219198	0.493231	0.0324251
0.0435292	0.651341	0.0167815	0.47026	0.0188701	0.508898	0.0240535
0.0518816	0.666004	0.0187523	0.480667	0.0224866	0.51834	0.0264792
0.0616761	0.687543	0.0208961	0.499417	0.0229456	0.524782	0.0245185
0.0486968	0.700541	0.0212243	0.507863	0.0233678	0.54801	0.0339522
0.0501058	0.712904	0.0269648	0.513147	0.0274151	0.555662	0.027912
0.0517564	0.728546	0.0193262	0.524424	0.0281981	0.580081	0.0313744
0.0407645	0.746362	0.0202056	0.554655	0.0266867	0.572858	0.0269076
0.0551209	0.755085	0.0203742	0.565292	0.0229142	0.59868	0.031674
0.0560542	0.766122	0.0234326	0.578651	0.0280626	0.626534	0.0304952
0.0490676	0.782113	0.0263525	0.586925	0.0252837	0.633774	0.0308626
0.0548789	0.797862	0.0269638	0.602506	0.0206081	0.646446	0.0422688
0.0492161	0.809389	0.0256855	0.625527	0.0259288	0.662398	0.0279641
0.036757	0.824901	0.0195607	0.641372	0.0267596	0.677676	0.0308556
0.0535237	0.843292	0.0231534	0.657285	0.0266259	0.70034	0.0338806
0.0514744	0.854862	0.0192724	0.685383	0.0271961	0.71128	0.0281962
0.0613098	0.867851	0.0202639	0.686731	0.0233361	0.736713	0.0351319
0.0630335	0.876502	0.0221038	0.722028	0.0242996	0.74652	0.03479
0.0620185	0.886373	0.0230033	0.719338	0.0326287	0.753571	0.0376029
0.0631364	0.904726	0.0207525	0.730561	0.0274392	0.773043	0.0377463
0.0530376	0.913157	0.0227166	0.759976	0.0297125	0.792554	0.0333439
0.046779	0.923297	0.0223315	0.773144	0.0290197	0.805731	0.0382373
0.0524637	0.925443	0.0226282	0.792968	0.0268663	0.815342	0.0325052
0.0609754	0.938672	0.0213403	0.802554	0.0301176	0.835288	0.032294
0.0679108	0.951694	0.0267806	0.812878	0.0196902	0.850343	0.0390061
0.0567089	0.956644	0.0216653	0.831944	0.026491	0.85567	0.0381103
0.0742667	0.95806	0.0169288	0.848887	0.0353537	0.866599	0.0321775
0.0638075	0.968851	0.0198667	0.855637	0.0295533	0.876796	0.0401276
0.0689664	0.974993	0.015953	0.869656	0.0272496	0.892621	0.0447493

0.0628893	0.975755	0.0169561	0.884752	0.0265174	0.914257	0.0451445
0.0597283	0.972147	0.0200548	0.89988	0.0259811	0.902435	0.0364524
0.0629695	0.971667	0.0202804	0.907697	0.0243486	0.929067	0.032946
0.0496599	0.968315	0.0199656	0.910855	0.0286247	0.92174	0.0400309
0.0580825	0.971818	0.0207719	0.926247	0.025498	0.917314	0.0327214
0.05814	0.968725	0.0246105	0.936096	0.0296694	0.943165	0.0464089
0.0648555	0.966367	0.0266052	0.94382	0.031541	0.949431	0.0353945
0.0588387	0.967878	0.0218142	0.938864	0.0305535	0.943408	0.035188
0.0548317	0.957383	0.020135	0.949195	0.0301632	0.939789	0.0363271
0.0802022	0.948779	0.0239552	0.94917	0.0289116	0.947006	0.0325766
0.0472783	0.940516	0.021491	0.956894	0.0325299	0.944213	0.0316117
0.0576431	0.933683	0.021626	0.953866	0.0338575	0.947977	0.0411948
0.083169	0.933143	0.0235243	0.953535	0.0304989	0.939525	0.0333223
0.0585421	0.924452	0.0234001	0.949436	0.0261882	0.932703	0.040192
0.0601066	0.912761	0.0270636	0.934665	0.0348068	0.933639	0.0412737
0.0680318	0.900055	0.0240331	0.943739	0.0320082	0.925112	0.0404035
0.0599696	0.890455	0.0195784	0.946967	0.0333088	0.921067	0.0401594
0.0536944	0.873049	0.0199216	0.939268	0.032976	0.902638	0.0387432
0.055433	0.860341	0.017567	0.931257	0.0282739	0.901192	0.0456721
0.0571688	0.848362	0.0239047	0.923999	0.0286709	0.894608	0.0461311
0.0595534	0.83491	0.0209001	0.907968	0.0263509	0.887993	0.0435281
0.0662731	0.824779	0.0237178	0.898171	0.0342898	0.869831	0.0342749
0.0639529	0.810684	0.0238247	0.893278	0.0308382	0.859483	0.0418677
0.0431788	0.791541	0.0258565	0.881777	0.0358725	0.841776	0.0264098
0.0567606	0.776719	0.0272842	0.863987	0.0299888	0.832202	0.024421
0.0502742	0.766121	0.0198046	0.85004	0.0250093	0.819982	0.0293084
0.0721674	0.751121	0.0158127	0.835149	0.0321872	0.805622	0.0327737
0.0606053	0.735851	0.0195358	0.819828	0.0202368	0.793141	0.0303243
0.063327	0.71986	0.0222635	0.810727	0.026333	0.764662	0.0284328
0.0693294	0.702482	0.0182763	0.790815	0.0353506	0.757591	0.0373221
0.0673099	0.684332	0.0178206	0.782704	0.0292132	0.736426	0.0277104
0.0724869	0.667626	0.0212963	0.758544	0.0269977	0.724528	0.0324112
0.0678885	0.653423	0.0233952	0.752536	0.0285852	0.712149	0.0401421
0.0582169	0.638065	0.0227133	0.731379	0.0268082	0.698303	0.0306327
0.0553115	0.618278	0.0201146	0.71607	0.0259126	0.679432	0.0295201
0.0765005	0.604878	0.0166912	0.696106	0.0215413	0.656409	0.0327598
0.0658757	0.592379	0.0188488	0.688606	0.0261793	0.63387	0.0232882
0.0723515	0.580488	0.0229229	0.663628	0.0308037	0.619202	0.0290145
0.0521904	0.566796	0.0231919	0.646129	0.0264734	0.611352	0.0320327
0.0681785	0.554433	0.0219174	0.626391	0.0254521	0.587574	0.030118
0.0587321	0.539603	0.018659	0.620975	0.0296443	0.577475	0.0331435
0.0546033	0.529373	0.0166572	0.592926	0.0175485	0.569084	0.0233754
0.0653275	0.523387	0.0156105	0.573961	0.0204951	0.542699	0.0236894
0.0458256	0.505531	0.0170759	0.557676	0.0238973	0.530406	0.0288133
0.0483486	0.490913	0.0175536	0.547483	0.0229567	0.51951	0.0267812
0.055513	0.484832	0.0169598	0.5286	0.0216894	0.499925	0.0232159
0.0463638	0.475742	0.018815	0.515107	0.024656	0.488914	0.0221391

0.0546257	0.464394	0.0184341	0.502353	0.0195272	0.469276	0.0287758
0.0592901	0.453569	0.0160815	0.482675	0.0256678	0.468766	0.0280096
0.0387106	0.444288	0.0126846	0.477908	0.0195175	0.448609	0.0252795
0.0533253	0.432365	0.0145221	0.464131	0.0231387	0.436	0.02719
0.0458121	0.41953	0.0148983	0.449414	0.0209002	0.428887	0.0215529
0.0583217	0.414076	0.0124657	0.438765	0.0293498	0.413865	0.0225472
0.0542186	0.405982	0.0133523	0.420779	0.0210994	0.402422	0.0333723
0.0453495	0.396132	0.0159635	0.411186	0.0164323	0.402276	0.0246522
0.041335	0.39163	0.0134076	0.404861	0.0179353	0.38989	0.0240087
0.0517301	0.386767	0.0115846	0.398061	0.0188258	0.380071	0.0179707
0.0539654	0.378732	0.0101309	0.382772	0.0190948	0.365584	0.0237639
0.0370652	0.375071	0.0103774	0.374549	0.0231174	0.349952	0.0198644
0.0388154	0.370044	0.0106426	0.355247	0.0193805	0.345211	0.0192353
0.0407964	0.360159	0.0105497	0.357702	0.0163879	0.33516	0.0214502
0.0365464	0.35249	0.0149426	0.341413	0.0154753	0.33309	0.0175944
0.0333821	0.348444	0.0117632	0.337006	0.0130727	0.323752	0.0155544
0.0411668	0.344128	0.0109243	0.330269	0.0148596	0.315594	0.0276043
0.0395034	0.338532	0.0115371	0.319989	0.0161723	0.316969	0.0231928
0.0411823	0.33315	0.015158	0.311344	0.0134432	0.311631	0.0185106
0.0335574	0.330677	0.0102832	0.313477	0.0184671	0.28999	0.0176235
0.0460177	0.324907	0.0112658	0.294548	0.018357	0.292934	0.022905
0.036022	0.315355	0.0162722	0.293995	0.0158417	0.283657	0.0180452
0.03925	0.309706	0.0137571	0.286219	0.0162968	0.276215	0.0140843
0.0322716	0.308114	0.0107267	0.288027	0.0104409	0.276982	0.0229223
0.0346414	0.305957	0.0101654	0.272664	0.0132386	0.268775	0.0200901
0.0411858	0.301387	0.0131925	0.270745	0.0129937	0.263251	0.0215282
0.0306591	0.295343	0.0142065	0.260436	0.0178948	0.260384	0.0204678
0.0268385	0.294584	0.0101172	0.259895	0.012901	0.258867	0.019892
0.0381088	0.290623	0.00818192	0.260199	0.0172787	0.246676	0.0210143
0.0348602	0.284869	0.0114583	0.249085	0.0171978	0.24311	0.0172687
0.0361705	0.283231	0.0116043	0.245906	0.0167303	0.239289	0.0185594
0.0378473	0.276476	0.0127805	0.239952	0.0140873	0.237602	0.0154251
0.0347298	0.272525	0.0139374	0.232611	0.0140705	0.227968	0.0157703
0.0306058	0.269772	0.0107791	0.231221	0.0105265	0.229418	0.0125239
0.0382161	0.267669	0.0107551	0.225468	0.0136278	0.221845	0.0180972
0.0271581	0.265296	0.0109784	0.223545	0.0145706	0.221429	0.0155388
0.0356827	0.261597	0.010477	0.216211	0.0155012	0.216135	0.0153627
0.0326509	0.261201	0.0132117	0.213982	0.014128	0.212964	0.0146097
0.0322201	0.259833	0.010473	0.210096	0.010217	0.207638	0.0196462
0.0311154	0.255473	0.00976098	0.210227	0.0112513	0.209606	0.0124068
0.0378099	0.25492	0.0101239	0.204755	0.015626	0.200679	0.0162127
0.0338507	0.251372	0.010012	0.199423	0.0131597	0.197333	0.0179001
0.0339479	0.247581	0.0109653	0.199042	0.012334	0.192417	0.0152791
0.0354896	0.248974	0.0116044	0.193134	0.0126111	0.188635	0.0184498
0.0383387	0.249254	0.0119215	0.190233	0.0131945	0.196382	0.0132816
0.0396512	0.250715	0.00938004	0.189643	0.0131971	0.18804	0.0118942
0.0381752	0.250464	0.00967716	0.190023	0.0123089	0.187883	0.0167628

0.0316589	0.25298	0.010526	0.189343	0.0148985	0.183809	0.0128855
0.0339491	0.256699	0.0100508	0.184591	0.0102186	0.188164	0.0149639
0.0327655	0.261576	0.00850483	0.184643	0.0106205	0.188796	0.0164008
0.0320728	0.26698	0.00916157	0.183584	0.0124738	0.182353	0.01404
0.0301792	0.273797	0.0110121	0.182528	0.0145553	0.19107	0.015013
0.0384695	0.280203	0.0120425	0.183721	0.0160807	0.189401	0.017355
0.0415115	0.284996	0.0124784	0.186081	0.0148133	0.192529	0.0148511
0.0368676	0.295719	0.012366	0.195317	0.0119537	0.198702	0.0194626
0.0339903	0.310272	0.0116014	0.196748	0.013842	0.204635	0.0133582
0.0411568	0.323902	0.0114976	0.197633	0.0142698	0.210276	0.0168589
0.0458891	0.336717	0.0109787	0.207135	0.0141042	0.215411	0.0121909
0.0326953	0.350819	0.0111387	0.212722	0.0132352	0.230429	0.0143525
0.0401049	0.366509	0.0119812	0.226473	0.013906	0.233228	0.0184979
0.0515572	0.387037	0.0144152	0.234862	0.013526	0.245426	0.0221248
0.0394696	0.405807	0.0137833	0.246761	0.0155626	0.259552	0.0165705
0.0523867	0.425861	0.0134653	0.256068	0.0172037	0.272059	0.0208442
0.0336263	0.446545	0.0101592	0.27182	0.0144898	0.285752	0.0233213
0.0560612	0.465416	0.010617	0.292741	0.0162033	0.30561	0.0156332
0.0490591	0.48622	0.0121822	0.301932	0.0193628	0.318542	0.0235122
0.0603253	0.505935	0.0140123	0.322045	0.0118688	0.343841	0.0185248
0.0574051	0.529698	0.0151862	0.339704	0.0171032	0.349795	0.0172956
0.0539122	0.54759	0.0168355	0.369546	0.0176415	0.380675	0.0176811
0.0656639	0.564156	0.0168158	0.388838	0.0201768	0.395477	0.0228594
0.0732415	0.586118	0.0158174	0.410568	0.0207992	0.411866	0.0273884
0.0602273	0.604491	0.014134	0.436697	0.0234429	0.437621	0.0261478
0.0542664	0.622502	0.0176964	0.455886	0.0234878	0.458697	0.0260232
0.0782791	0.635551	0.023812	0.472058	0.0259701	0.491165	0.028345
0.0755266	0.64784	0.0172335	0.501802	0.0267867	0.494893	0.0238509
0.067301	0.665585	0.0212245	0.519384	0.0192007	0.518857	0.025514
0.0741438	0.677589	0.0197984	0.541693	0.0197367	0.537361	0.0279279
0.0749942	0.680898	0.0201059	0.558471	0.0253307	0.557485	0.0241026
0.0879594	0.683094	0.0202966	0.581921	0.0234809	0.571465	0.0235049
0.0925311	0.687328	0.0189221	0.601203	0.0246205	0.589893	0.0349122
0.0967296	0.692113	0.020981	0.609388	0.0256675	0.592655	0.030601
0.079853	0.686562	0.0251264	0.634672	0.0303463	0.608836	0.0273712
0.0849879	0.672171	0.021696	0.639239	0.0322624	0.616039	0.0262889
0.102612	0.659537	0.0173055	0.652833	0.0354838	0.610406	0.026554
0.0854993	0.646843	0.0139434	0.659701	0.0274104	0.616983	0.0347793
0.101276	0.633347	0.015193	0.65317	0.0321107	0.619344	0.0287841
0.0929962	0.61498	0.0195891	0.662145	0.0325084	0.616628	0.0272638
0.073405	0.592149	0.0170789	0.664338	0.0288474	0.604736	0.0268609
0.106723	0.568012	0.015572	0.664166	0.0253508	0.594829	0.0286354
0.120978	0.542192	0.0141073	0.644667	0.0324011	0.58672	0.0336446
0.0922195	0.513	0.0153968	0.64113	0.0249493	0.57005	0.0281693
0.099384	0.482993	0.0120556	0.609956	0.0319298	0.556207	0.0306544
0.0939418	0.45482	0.0122267	0.598443	0.0240237	0.541707	0.0280303
0.0997095	0.427684	0.0144778	0.579055	0.0200652	0.517206	0.028462

0.0885118	0.4036	0.0131102	0.550964	0.030309	0.491369	0.0325071
0.0784901	0.377438	0.0136907	0.525346	0.0272267	0.453994	0.0262647
0.0737988	0.349235	0.0144286	0.502879	0.0218817	0.429826	0.0278824
0.0786694	0.327918	0.0130222	0.47282	0.020437	0.405457	0.0268368
0.0832691	0.303406	0.0102286	0.440703	0.0251306	0.373194	0.0203622
0.0612264	0.281539	0.0117688	0.408029	0.0162226	0.345709	0.0169579
0.0578752	0.269357	0.012716	0.378165	0.0183529	0.320792	0.0185395
0.0674407	0.25369	0.0113593	0.349063	0.0138694	0.294327	0.0192807
0.051268	0.235403	0.010396	0.323796	0.0187361	0.266897	0.0131805
0.0470863	0.224187	0.0100283	0.296916	0.0151954	0.25239	0.01772
0.0540734	0.213877	0.00893492	0.272312	0.0159684	0.22935	0.0150071
0.0415996	0.205153	0.0107251	0.254477	0.0193958	0.215886	0.0176982
0.047576	0.200263	0.00783811	0.229368	0.0126385	0.192531	0.0182062
0.0477401	0.194241	0.00692413	0.205016	0.0136874	0.179318	0.015408
0.0300142	0.188731	0.00861725	0.193949	0.0137532	0.167808	0.0148396
0.0365469	0.184174	0.00867567	0.178955	0.0138361	0.1548	0.0159584
0.028323	0.182258	0.00820797	0.169769	0.0140171	0.153115	0.0160662
0.035907	0.179604	0.00773793	0.155363	0.0104546	0.140002	0.0151528
0.0323528	0.176644	0.00764366	0.152262	0.0106037	0.136013	0.0152473
0.0299665	0.175718	0.00876643	0.140681	0.0130642	0.129518	0.0141955
0.0270815	0.17281	0.00836613	0.137292	0.0136263	0.126734	0.0115328
0.031839	0.170646	0.00737785	0.129839	0.00975833	0.123173	0.0099359
0.023076	0.172019	0.00778423	0.124343	0.0100539	0.123188	0.0125388
0.0252878	0.170635	0.00790476	0.12606	0.0121374	0.120441	0.0132091
0.0364125	0.168426	0.00921928	0.11696	0.00789095	0.115536	0.0120762
0.0260675	0.168203	0.0104183	0.117971	0.0100183	0.114628	0.0125982
0.0322828	0.168011	0.00751165	0.118163	0.0104184	0.116286	0.0124621
0.0224529	0.169347	0.00895898	0.118144	0.0114755	0.112013	0.0111058
0.0256496	0.170642	0.0095648	0.116209	0.00815836	0.112089	0.0118751
0.0286439	0.169194	0.0103954	0.113818	0.010363	0.115911	0.012722
0.0210231	0.167986	0.00741552	0.112355	0.0107474	0.112942	0.0133818
0.0259321	0.16953	0.00855666	0.116629	0.0101421	0.1117	0.010972
0.0207879	0.172645	0.00872184	0.112854	0.0108656	0.117062	0.0110926
0.0220968	0.171524	0.00807526	0.114237	0.00634563	0.119274	0.0122442
0.0207714	0.168712	0.00744397	0.115609	0.0107075	0.118575	0.0144215
0.0251081	0.169957	0.00732525	0.117696	0.0122816	0.117445	0.0119207
0.0198871	0.171598	0.0108847	0.117639	0.00963507	0.1132	0.0147284
0.0304519	0.173181	0.0113088	0.116846	0.0108413	0.112352	0.00919493
0.0254495	0.173956	0.00972527	0.114391	0.0111164	0.115713	0.01146
0.0226373	0.174948	0.00819171	0.11273	0.0119975	0.11606	0.0115266
0.0216702	0.176199	0.00781007	0.118237	0.011209	0.116497	0.0108618
0.0261412	0.175196	0.00759933	0.120065	0.0122582	0.118386	0.0103616
0.0235591	0.177419	0.0072629	0.119782	0.0105779	0.117551	0.0112159
0.0252912	0.179955	0.00914775	0.118832	0.0106206	0.118355	0.0104166
0.0252539	0.178117	0.0101948	0.120608	0.0122131	0.119774	0.0106866
0.0286642	0.174614	0.00852516	0.120549	0.0124759	0.11982	0.0125921
0.0198433	0.173785	0.00748054	0.122196	0.0106185	0.125282	0.0118697

0.0267957	0.176744	0.00869528	0.121443	0.0094337	0.126649	0.0143971
0.0205817	0.180199	0.0102275	0.119844	0.0101525	0.123433	0.0138334
0.0237775	0.179986	0.0126081	0.124366	0.0126281	0.12195	0.0120719
0.0275517	0.180411	0.00982481	0.123528	0.0089807	0.128604	0.0139932
0.0238738	0.182535	0.0102076	0.126564	0.0126246	0.129054	0.0117067
0.0248718	0.185136	0.00951424	0.12547	0.00966249	0.130736	0.0132092
0.0230128	0.187087	0.00862778	0.130993	0.00813954	0.126265	0.00929173
0.0272171	0.18818	0.010425	0.128428	0.00887737	0.133585	0.0131707
0.0195466	0.189007	0.0108048	0.127718	0.0109008	0.132981	0.015578
0.023979	0.18987	0.00858879	0.130624	0.00973808	0.136269	0.0120752
0.0260836	0.190732	0.00810961	0.132461	0.0118196	0.136967	0.0143256
0.0305166	0.189754	0.0110841	0.132284	0.0112092	0.136613	0.0116072
0.0246101	0.193048	0.0104957	0.133125	0.011096	0.138814	0.0158401
0.0211813	0.196322	0.0114637	0.139623	0.0115045	0.137149	0.013881
0.0290172	0.195233	0.0102278	0.140044	0.0108475	0.133634	0.0120355
0.0222481	0.193596	0.00885864	0.143092	0.0131492	0.140449	0.0143364
0.02394	0.197949	0.00890883	0.139486	0.00843923	0.143957	0.00897351
0.0311431	0.197629	0.00898524	0.143378	0.0100056	0.142836	0.0169299
0.0232894	0.194099	0.00905429	0.144162	0.0110193	0.147553	0.0125955
0.0252591	0.197444	0.0107786	0.145446	0.0118549	0.150248	0.0106334
0.0261131	0.199907	0.00967535	0.146529	0.014243	0.154051	0.0135478
0.0288547	0.20141	0.00861808	0.152456	0.0106938	0.150096	0.0140619
0.0235059	0.201863	0.00996916	0.149859	0.0151307	0.151975	0.0146699
0.0255689	0.20092	0.00988273	0.153107	0.010649	0.156639	0.0171358
0.0271253	0.204356	0.00790213	0.153167	0.00707604	0.157039	0.0139374
0.026893	0.201933	0.00898684	0.153682	0.0104289	0.156597	0.0107228
0.0321093	0.203049	0.00975137	0.159159	0.0151188	0.156721	0.0151804
0.0241523	0.208082	0.0093383	0.158896	0.0106804	0.161528	0.0131388

SB Gy		SB X1		SB SNF		SB SF
mean	std	mean	std	mean	std	mean
0.372716	0.0213241	0.308687	0.11143	0.207508	0.0201546	2.26705
0.380266	0.0261759	0.310137	0.108058	0.206511	0.0142846	2.22612
0.381494	0.0303519	0.315931	0.113678	0.210907	0.0169403	2.22689
0.383343	0.029217	0.308801	0.110392	0.208779	0.015025	2.24404
0.372164	0.0223948	0.302719	0.114408	0.205839	0.01184	2.23019
0.380273	0.0258454	0.306009	0.102969	0.208633	0.0155606	2.24663
0.37502	0.0201682	0.30645	0.112916	0.207516	0.0176179	2.21478
0.384129	0.0277388	0.303618	0.109196	0.202652	0.0127888	2.21132
0.376635	0.0294942	0.304958	0.109611	0.205249	0.0114203	2.20511
0.383255	0.033965	0.308482	0.111941	0.201042	0.016722	2.22559
0.372901	0.0254062	0.302535	0.107534	0.200532	0.014472	2.22557
0.371613	0.0267283	0.304841	0.103103	0.202207	0.0137443	2.2116
0.375027	0.0257698	0.311067	0.11518	0.206187	0.0165375	2.2145
0.376517	0.0267551	0.301094	0.109106	0.197679	0.0140839	2.20371
0.372764	0.023906	0.303709	0.108588	0.20063	0.0131395	2.20423
0.373007	0.0307179	0.302503	0.118517	0.198765	0.0144961	2.19836
0.371699	0.0209773	0.306898	0.107371	0.202522	0.0167546	2.24487
0.380479	0.031546	0.305782	0.114464	0.20357	0.0183039	2.21676
0.384404	0.0293727	0.30831	0.106408	0.208729	0.0180684	2.22763
0.389884	0.0297627	0.30877	0.113979	0.210373	0.0150397	2.23912
0.391656	0.0274233	0.315307	0.121606	0.216098	0.0143232	2.22939
0.399688	0.0238505	0.323118	0.11579	0.216713	0.016274	2.25873
0.410974	0.0250151	0.320944	0.114184	0.224228	0.0167299	2.23157
0.408896	0.0235667	0.327772	0.11891	0.224229	0.0158453	2.2213
0.421748	0.0236502	0.335759	0.120594	0.225353	0.0146191	2.2515
0.4241	0.0249547	0.332906	0.118561	0.227717	0.0187557	2.28104
0.416492	0.0285785	0.32266	0.120953	0.224952	0.0167007	2.24066
0.415808	0.0241955	0.323395	0.117069	0.222697	0.0128967	2.27249
0.416166	0.0305974	0.320343	0.12387	0.222966	0.0160793	2.2444
0.407442	0.023805	0.321871	0.118168	0.21837	0.0165654	2.20182
0.398192	0.0233872	0.314741	0.119057	0.217483	0.0141103	2.23863
0.394454	0.0223466	0.308351	0.116626	0.211371	0.0145995	2.20453
0.387544	0.0273999	0.309562	0.117825	0.215614	0.0160385	2.20318
0.383359	0.0315601	0.307094	0.112969	0.217671	0.0153202	2.1886
0.370008	0.0225174	0.302818	0.110933	0.215103	0.0140671	2.17309
0.370649	0.0260253	0.307004	0.12029	0.218269	0.0145846	2.19934
0.371458	0.0252193	0.304061	0.1133	0.232976	0.0215142	2.18793
0.374266	0.0231795	0.31698	0.117024	0.254039	0.0216309	2.23924
0.378974	0.0269045	0.334086	0.124367	0.296554	0.0250523	2.2608
0.380536	0.0242832	0.363993	0.134331	0.359281	0.0327462	2.36981
0.390441	0.0236091	0.405212	0.162832	0.466959	0.0449386	2.4847
0.399948	0.0243715	0.458066	0.179872	0.606444	0.0580343	2.69445
0.412937	0.0172393	0.531656	0.202839	0.78837	0.0726182	2.96039
0.43221	0.0303715	0.625153	0.25539	1.0177	0.110837	3.24064
0.450375	0.025193	0.726693	0.2906	1.275	0.143062	3.61264

0.472457	0.0277405	0.827076	0.338911	1.53985	0.179596	3.94844
0.498	0.0292648	0.92193	0.38439	1.77575	0.20439	4.23805
0.512533	0.0328701	0.997562	0.404046	1.95232	0.211892	4.54869
0.515413	0.0293187	1.03541	0.433121	2.04788	0.2165	4.64071
0.530284	0.0355724	1.03113	0.425199	2.05295	0.230785	4.62252
0.520182	0.03097	0.998692	0.40832	1.95366	0.216282	4.53226
0.511319	0.0291712	0.922986	0.371008	1.77308	0.203659	4.24779
0.495357	0.0286304	0.826326	0.338303	1.53331	0.166427	3.96532
0.476559	0.0297605	0.719981	0.291374	1.28793	0.131374	3.63702
0.455196	0.0236857	0.634273	0.25819	1.04649	0.106603	3.26762
0.431886	0.0298639	0.552862	0.225438	0.832537	0.0892648	2.98713
0.425728	0.0258066	0.495119	0.206384	0.653595	0.0658854	2.73518
0.405181	0.0233254	0.441898	0.172671	0.517751	0.0444023	2.54658
0.393977	0.0290388	0.41604	0.16779	0.427232	0.0406478	2.4497
0.395433	0.0249935	0.410751	0.170068	0.366832	0.0354811	2.36178
0.397644	0.0212563	0.429937	0.174395	0.348152	0.0341047	2.35305
0.396738	0.0225985	0.492124	0.205547	0.375542	0.033471	2.42599
0.41182	0.0234825	0.625702	0.273439	0.448361	0.0410147	2.65436
0.426622	0.023352	0.83627	0.381326	0.602861	0.0603015	3.0602
0.473306	0.0280582	1.16679	0.544323	0.851281	0.08076	3.69562
0.546224	0.0327075	1.68261	0.824195	1.2178	0.128112	4.66518
0.632605	0.0390847	2.38746	1.19222	1.7422	0.190994	6.05742
0.751081	0.0510928	3.30963	1.67876	2.4423	0.259821	7.85826
0.903525	0.0600441	4.4363	2.26747	3.29573	0.350514	10.0376
1.10555	0.0808396	5.72337	2.93666	4.2536	0.476974	12.5634
1.30088	0.105435	7.00565	3.58587	5.24586	0.590371	15.0729
1.51293	0.128142	8.1862	4.20222	6.18516	0.676862	17.5132
1.69474	0.124461	9.1074	4.65871	6.92793	0.755638	19.4821
1.82472	0.14738	9.66204	4.982	7.35558	0.802061	20.7207
1.89005	0.139062	9.73003	5.02615	7.4404	0.817311	20.9289
1.89167	0.147937	9.28289	4.79974	7.17631	0.790804	20.2087
1.82637	0.1431	8.52538	4.43293	6.58509	0.745883	18.7626
1.68839	0.129044	7.44728	3.86628	5.79957	0.651236	16.6874
1.54518	0.101766	6.20425	3.22901	4.82574	0.529498	14.2816
1.34241	0.0978442	4.98819	2.58356	3.88855	0.424243	11.831
1.17637	0.0739933	3.87888	1.98508	3.03865	0.338053	9.58169
1.048	0.0608868	2.96262	1.51594	2.28861	0.252183	7.653
0.929764	0.0550786	2.22124	1.10317	1.7002	0.176317	6.12153
0.844002	0.0460938	1.69994	0.822942	1.28203	0.140309	5.01296
0.798807	0.042529	1.29346	0.635097	0.964635	0.0995608	4.15967
0.759484	0.0497701	1.0076	0.491736	0.737116	0.0700289	3.53289
0.739432	0.0408895	0.804514	0.367258	0.571295	0.0515317	3.11701
0.722478	0.0376147	0.653943	0.287976	0.459817	0.0415526	2.79794
0.711702	0.036852	0.545005	0.237343	0.382824	0.0296623	2.56781
0.713068	0.0344655	0.467788	0.18772	0.320754	0.0224117	2.4246
0.715768	0.0485585	0.416318	0.160499	0.279257	0.0236065	2.32891
0.707745	0.0404225	0.375455	0.15611	0.251075	0.0188884	2.22138

0.70294	0.0483059	0.365689	0.143013	0.235823	0.0184049	2.16409
0.69537	0.0524448	0.353624	0.135396	0.228827	0.0196343	2.12041
0.658041	0.0426863	0.351998	0.13518	0.230167	0.0193892	2.12755
0.619547	0.054873	0.36345	0.143291	0.245096	0.0261421	2.12955
0.596756	0.0603676	0.367933	0.138046	0.257039	0.0282007	2.16679
0.571603	0.0478929	0.377293	0.149385	0.275938	0.0238608	2.17966
0.554683	0.0407247	0.380871	0.150545	0.291092	0.0252262	2.26163
0.560185	0.0433066	0.396303	0.150479	0.307689	0.0285898	2.30729
0.56399	0.0399822	0.400382	0.156765	0.3205	0.0305121	2.34532
0.570893	0.0320076	0.403593	0.161035	0.322581	0.0287649	2.37597
0.593637	0.0300065	0.394992	0.15717	0.324975	0.028041	2.40083
0.617765	0.0384793	0.390673	0.154935	0.315294	0.0264028	2.385
0.638362	0.0392277	0.387107	0.152566	0.299061	0.0291838	2.39445
0.654538	0.0403441	0.367996	0.147188	0.282108	0.0238274	2.37641
0.663806	0.0299902	0.353201	0.134942	0.264062	0.0193023	2.329
0.672772	0.0273933	0.338839	0.126049	0.245692	0.0189113	2.30572
0.673502	0.0333002	0.324438	0.12248	0.227351	0.0168124	2.25332
0.682997	0.0307671	0.322614	0.126107	0.212391	0.0160212	2.24438
0.700228	0.0397011	0.316523	0.118459	0.200822	0.0131792	2.20157
0.705575	0.0356558	0.308624	0.115244	0.193976	0.013225	2.14537
0.735114	0.0378579	0.302599	0.117071	0.185852	0.0131275	2.1195
0.767705	0.0382508	0.303824	0.115368	0.182476	0.0134558	2.08954
0.84213	0.0382054	0.299923	0.115882	0.182631	0.013154	2.07054
0.963136	0.0428276	0.310419	0.119066	0.18193	0.0139612	2.05216
1.15721	0.054753	0.326413	0.126641	0.182409	0.0135025	2.03342
1.49855	0.068892	0.35402	0.135697	0.190295	0.0139952	2.0309
2.05752	0.0840323	0.387438	0.151238	0.203176	0.0126854	2.02306
2.92723	0.119234	0.438565	0.179398	0.22129	0.0123775	2.02361
4.27618	0.156162	0.528339	0.216428	0.249639	0.0157115	2.06502
6.28791	0.231019	0.658184	0.27863	0.297006	0.0205493	2.11373
9.13014	0.310094	0.838328	0.352795	0.36308	0.0291593	2.17742
12.9534	0.451718	1.06585	0.4499	0.448346	0.0386632	2.26574
17.8921	0.650147	1.3422	0.586116	0.548835	0.0462272	2.38176
23.8371	0.826144	1.65603	0.738172	0.669816	0.0576188	2.52048
30.6409	1.0168	1.99616	0.884357	0.796993	0.0718903	2.65862
37.7573	1.32311	2.33261	1.04278	0.914228	0.0824123	2.77446
44.5817	1.5909	2.62883	1.19158	1.02309	0.0886223	2.87576
50.4373	1.81811	2.85265	1.29126	1.10644	0.0992407	2.99498
54.5841	1.91153	2.96735	1.33311	1.14736	0.106344	3.06978
56.4233	1.97923	2.96864	1.33483	1.14424	0.107357	3.04752
55.7988	1.94306	2.83253	1.2735	1.10496	0.101203	3.00556
52.7842	1.81533	2.62941	1.1646	1.0296	0.096212	2.89699
47.7514	1.65581	2.33956	1.03089	0.919819	0.0795879	2.77613
41.3805	1.43442	2.00591	0.880313	0.796082	0.0685334	2.65473
34.315	1.16852	1.66569	0.717452	0.671587	0.0574162	2.48588
27.3487	0.939717	1.36255	0.573979	0.558863	0.0425947	2.3481
21.0934	0.739198	1.10761	0.451712	0.459656	0.0328311	2.26231

15.7949	0.558569	0.905387	0.364836	0.380952	0.0256029	2.16465
11.6894	0.411496	0.746742	0.300044	0.325935	0.021689	2.08963
8.75696	0.310487	0.647243	0.246455	0.291486	0.0193821	2.04419
6.78892	0.229867	0.590655	0.222645	0.270325	0.0172872	2.01471
5.58353	0.192327	0.546215	0.199974	0.257542	0.0175151	2.02301
4.90036	0.176586	0.521495	0.191282	0.252011	0.015264	2.00817
4.54975	0.171108	0.510498	0.186851	0.248095	0.0126222	1.99517
4.34428	0.160519	0.500644	0.181503	0.240823	0.015278	2.00217
4.16705	0.143103	0.479409	0.18048	0.237179	0.0147405	2.00935
3.91412	0.138431	0.458802	0.171211	0.235576	0.0154482	2.02089
3.59086	0.140698	0.433704	0.160275	0.22889	0.0146087	2.00782
3.1958	0.111948	0.408099	0.148062	0.216873	0.0140069	1.99593
2.75212	0.0897652	0.384644	0.144042	0.208053	0.0115156	2.00099
2.2936	0.0769859	0.363698	0.133346	0.198747	0.0106627	2.00007
1.88007	0.071502	0.344482	0.125015	0.195545	0.00993633	2.00998
1.49248	0.0614355	0.335581	0.124535	0.193926	0.0113217	2.04297
1.1772	0.0450162	0.329372	0.122134	0.194349	0.0120945	2.08797
0.941556	0.0349625	0.32409	0.121432	0.203467	0.0136228	2.15856
0.769069	0.0357297	0.334488	0.127329	0.215116	0.0150431	2.28644
0.655884	0.0295008	0.35587	0.137845	0.233306	0.0175646	2.48138
0.601404	0.0281233	0.378907	0.138514	0.262196	0.0194287	2.73297
0.595001	0.0322782	0.413405	0.145295	0.298956	0.0199477	3.09541
0.621957	0.0407109	0.458681	0.165515	0.346322	0.0236429	3.5966
0.687865	0.0452526	0.510415	0.180859	0.407298	0.0318296	4.19223
0.786704	0.0632332	0.57374	0.202611	0.477706	0.0405266	4.94463
0.910689	0.0808785	0.640982	0.23069	0.549335	0.0477551	5.7714
1.05246	0.0953228	0.703966	0.251623	0.623658	0.0547991	6.63497
1.19908	0.124151	0.771852	0.271892	0.698599	0.0604395	7.45958
1.33325	0.14497	0.835163	0.295429	0.760895	0.0712701	8.21712
1.44697	0.15292	0.87121	0.309238	0.806209	0.0735183	8.83745
1.53845	0.17251	0.891144	0.310166	0.832373	0.072362	9.19713
1.58605	0.187399	0.891669	0.310804	0.831719	0.074484	9.27493
1.57439	0.183575	0.874711	0.307372	0.812981	0.0703834	9.07119
1.51674	0.181831	0.838683	0.296215	0.778119	0.0643628	8.71355
1.43153	0.152791	0.799337	0.28467	0.726501	0.0595233	8.22988
1.32344	0.140409	0.771613	0.277635	0.675143	0.053512	7.68159
1.1962	0.131814	0.750396	0.271294	0.624499	0.0427745	7.19325
1.0775	0.110467	0.737163	0.267383	0.590004	0.0377481	6.79893
0.976032	0.0815855	0.73412	0.262622	0.567045	0.0403301	6.58103
0.886271	0.0589615	0.754314	0.273936	0.553876	0.036669	6.53038
0.834327	0.053636	0.788877	0.300048	0.560058	0.0368268	6.61117
0.804654	0.0393803	0.827902	0.32288	0.575952	0.0448562	6.84031
0.783499	0.0354921	0.866698	0.331081	0.589046	0.0438771	7.06688
0.778389	0.0426232	0.885186	0.335698	0.600049	0.0436904	7.22244
0.779036	0.0401601	0.899677	0.344373	0.604876	0.0423049	7.29915
0.780779	0.0297967	0.901004	0.343095	0.601477	0.0414725	7.23966
0.776833	0.0336248	0.872978	0.32832	0.585795	0.0406707	7.03121

0.77079	0.0328023	0.831844	0.307529	0.557308	0.0401937	6.65747
0.755934	0.0271153	0.79433	0.292759	0.526256	0.0372796	6.21576
0.738013	0.0314278	0.754504	0.277459	0.496722	0.0299141	5.70833
0.718921	0.0326773	0.705575	0.252949	0.460272	0.0286796	5.15287
0.703013	0.0336959	0.661811	0.231549	0.424372	0.03007	4.65589
0.697636	0.0343313	0.622078	0.217124	0.398554	0.0286348	4.20989
0.69787	0.0314584	0.584813	0.204106	0.373926	0.027642	3.79727
0.688885	0.030187	0.557383	0.191471	0.349281	0.0215223	3.47118
0.679076	0.0364028	0.53922	0.1804	0.330443	0.0205738	3.20802
0.678533	0.0334932	0.520488	0.173819	0.314624	0.0204336	2.97128
0.678414	0.030876	0.506717	0.171121	0.302833	0.0194453	2.78465
0.670694	0.0337615	0.497199	0.165102	0.289576	0.0214027	2.63199
0.661744	0.0384873	0.48068	0.159596	0.276509	0.020021	2.50839
0.650916	0.0377832	0.470257	0.158623	0.264286	0.0187317	2.40091
0.638708	0.0352241	0.455598	0.15358	0.252195	0.016548	2.31534
0.626833	0.0333965	0.435287	0.15252	0.242166	0.0146855	2.23076
0.602146	0.0349021	0.425411	0.151627	0.231557	0.0163674	2.1613
0.577522	0.0303192	0.416105	0.144146	0.218503	0.0148076	2.1087
0.559569	0.0285785	0.401517	0.141564	0.210852	0.015712	2.04696
0.536042	0.0271029	0.389835	0.140898	0.20743	0.0138333	1.98956
0.51879	0.0226814	0.384254	0.141786	0.200883	0.0139005	1.95899
0.505612	0.0245369	0.381385	0.146725	0.193327	0.011364	1.93358
0.498301	0.0284991	0.379529	0.148268	0.191337	0.0114634	1.92274
0.495228	0.0276086	0.381737	0.144595	0.193668	0.0119929	1.9095
0.490933	0.0229089	0.385409	0.149215	0.196442	0.0108395	1.90467
0.489591	0.0224953	0.388345	0.146214	0.201656	0.0135851	1.91316
0.487884	0.0231697	0.388824	0.146106	0.207841	0.0145945	1.92712
0.487348	0.0263137	0.395524	0.152166	0.213895	0.0130022	1.91507
0.493624	0.0259613	0.406339	0.156672	0.227105	0.0142201	1.9441
0.505962	0.0293031	0.41645	0.159797	0.247886	0.0171306	1.97362
0.524971	0.0298974	0.43672	0.167502	0.281109	0.0179059	2.0227
0.526903	0.0262914	0.472575	0.184915	0.329265	0.0222421	2.0947
0.533581	0.0270116	0.518163	0.205931	0.396884	0.0304104	2.1926
0.546232	0.0264137	0.588332	0.240898	0.506759	0.0374853	2.35718
0.564335	0.0262866	0.680065	0.282539	0.667198	0.0469872	2.5971
0.579431	0.0323719	0.798719	0.342557	0.883594	0.0654907	2.94332
0.593735	0.0338645	0.95129	0.424463	1.17341	0.0785575	3.39756
0.607313	0.0266893	1.15995	0.523642	1.53697	0.103085	3.94453
0.636288	0.029684	1.41575	0.647692	1.97639	0.146032	4.61785
0.665248	0.0321439	1.68099	0.786597	2.47683	0.195348	5.41398
0.694318	0.0242754	1.97759	0.934614	3.01369	0.238984	6.23053
0.72288	0.0294067	2.27474	1.0754	3.54086	0.274383	7.02476
0.766697	0.0365183	2.52657	1.1987	4.01424	0.30405	7.78565
0.801274	0.0439138	2.69282	1.29943	4.38106	0.32427	8.37833
0.818638	0.049581	2.81864	1.37	4.62469	0.346757	8.76324
0.831094	0.0442562	2.85067	1.38107	4.72411	0.346413	8.9004
0.832441	0.0470938	2.78947	1.35222	4.64264	0.345403	8.80119

0.829957	0.0516645	2.64829	1.285	4.39459	0.331619	8.41864
0.821808	0.0501677	2.44289	1.17609	4.01472	0.305917	7.85982
0.799577	0.0422057	2.18433	1.04041	3.55078	0.277739	7.14655
0.768415	0.0347857	1.90165	0.909514	3.02688	0.22792	6.33781
0.747946	0.0336694	1.61043	0.762178	2.48763	0.183544	5.51245
0.726036	0.0316346	1.3502	0.623193	1.98078	0.141132	4.72954
0.70718	0.0323375	1.13464	0.517167	1.54734	0.106248	4.03254
0.694931	0.0337009	0.95197	0.429403	1.18417	0.0846665	3.44904
0.684584	0.0325681	0.805519	0.353893	0.890539	0.0580483	2.98488
0.690149	0.0376781	0.706255	0.302115	0.665786	0.0427609	2.62152
0.702845	0.0354651	0.646119	0.261338	0.508722	0.0344843	2.36989
0.723058	0.0328066	0.620026	0.2482	0.411423	0.0246101	2.21111
0.762223	0.0336426	0.609941	0.249825	0.353137	0.019643	2.10387
0.807597	0.0337152	0.623811	0.254461	0.323474	0.0204366	2.04502
0.865142	0.0291717	0.664488	0.271784	0.321013	0.0207822	2.03927
0.950853	0.0315156	0.730034	0.296375	0.340413	0.0201965	2.06438
1.05422	0.0436613	0.828442	0.328501	0.379745	0.0229455	2.11901
1.20483	0.0552122	0.978705	0.391818	0.433591	0.0278689	2.20537
1.43591	0.0651619	1.1936	0.477481	0.510566	0.0341381	2.28692
1.77145	0.0719451	1.51542	0.604967	0.617378	0.0435289	2.39367
2.27874	0.0847984	2.01323	0.822775	0.759494	0.0553272	2.55696
3.07655	0.114858	2.75674	1.12624	0.933832	0.0647383	2.76393
4.30867	0.167359	3.87345	1.56708	1.16927	0.0713231	3.01826
6.18951	0.225492	5.48925	2.22595	1.49542	0.091603	3.32548
8.98532	0.318582	7.77966	3.15677	1.91424	0.123485	3.6874
13.0242	0.468534	10.9424	4.4446	2.45534	0.15895	4.1563
18.686	0.651179	15.1334	6.15421	3.13465	0.202013	4.74669
26.2776	0.945931	20.4153	8.31057	4.00558	0.267314	5.46666
36.0684	1.27473	26.7938	10.9232	5.05605	0.354042	6.33902
48.0681	1.66116	34.1742	13.9735	6.27023	0.436557	7.33242
62.1404	2.1598	42.182	17.2683	7.60805	0.53029	8.36714
77.8349	2.68989	50.3936	20.674	8.98722	0.647369	9.44524
94.196	3.26809	58.2255	23.9004	10.3188	0.753848	10.5374
110.173	3.79421	64.94	26.68	11.5096	0.82849	11.5265
124.549	4.37613	70.0198	28.7817	12.4145	0.881681	12.2611
135.845	4.77371	72.878	29.9643	12.951	0.926282	12.7053
143.108	5.02775	73.1562	30.1799	13.0726	0.923292	12.796
145.455	5.11556	70.8242	29.2608	12.7629	0.889428	12.491
142.602	5.03641	66.1622	27.354	12.0228	0.837275	11.8958
134.904	4.82674	59.7257	24.791	10.9309	0.75365	10.9824
123.152	4.30528	51.9951	21.645	9.61012	0.679382	9.84788
108.47	3.72035	43.6741	18.1927	8.15136	0.588674	8.58715
92.1945	3.15397	35.4532	14.8295	6.69027	0.478474	7.39325
75.703	2.5538	27.8149	11.6563	5.30643	0.390249	6.3114
59.9368	2.0304	21.1262	8.83956	4.07131	0.316362	5.25825
45.8596	1.58508	15.4913	6.48717	3.04163	0.224359	4.3699
34.0088	1.18261	11.0078	4.59522	2.21145	0.152987	3.67314

24.4163	0.869565	7.64904	3.19861	1.56974	0.105512	3.15665
17.0133	0.608204	5.19477	2.17265	1.10361	0.0711724	2.77657
11.5521	0.379906	3.49904	1.46057	0.786174	0.0516535	2.50174
7.70807	0.23998	2.39628	0.989606	0.568602	0.0361629	2.3171
5.14452	0.177302	1.70905	0.689266	0.429239	0.0292557	2.21368
3.52825	0.126587	1.33102	0.541336	0.355055	0.0266109	2.16107
2.58904	0.0830851	1.17372	0.473446	0.322755	0.0253118	2.1421
2.14404	0.0747842	1.18866	0.466129	0.319099	0.0196485	2.14668
2.05985	0.0754324	1.34221	0.515734	0.343115	0.0199806	2.14391
2.25991	0.0801706	1.61642	0.621539	0.389441	0.0240918	2.1861
2.70744	0.0867646	2.02064	0.775616	0.453042	0.0315252	2.26176
3.40804	0.112464	2.56754	0.997697	0.544783	0.0374096	2.3543
4.36658	0.156567	3.258	1.27887	0.670624	0.0447566	2.47575
5.63177	0.195426	4.09496	1.59059	0.822397	0.0544719	2.60957
7.19252	0.251477	5.07442	1.96982	0.994912	0.0704468	2.75601
9.01366	0.323583	6.14645	2.3853	1.18411	0.0822348	2.93166
11.0824	0.409603	7.22699	2.81386	1.37734	0.0798762	3.09912
13.2466	0.471928	8.2801	3.25528	1.57448	0.0962844	3.24567
15.3667	0.538853	9.22545	3.62095	1.7567	0.117444	3.40128
17.3661	0.619849	9.94813	3.89783	1.89461	0.115539	3.51214
19.0481	0.674242	10.4021	4.0892	1.99933	0.13196	3.57858
20.208	0.726503	10.5151	4.13564	2.05438	0.144878	3.64308
20.7467	0.714494	10.3162	4.05995	2.02918	0.136225	3.64275
20.6332	0.686782	9.81264	3.87932	1.94405	0.128979	3.56854
19.8924	0.670902	9.00626	3.57199	1.8119	0.116335	3.46459
18.5386	0.62738	8.01591	3.17443	1.64057	0.105987	3.32815
16.723	0.583533	6.92155	2.74412	1.4437	0.0960417	3.1798
14.5656	0.501739	5.77495	2.31308	1.2423	0.08165	3.00898
12.2713	0.412997	4.66078	1.86153	1.04082	0.066141	2.83254
10.0426	0.349927	3.65764	1.4562	0.847344	0.0537372	2.6894
7.93488	0.266115	2.79242	1.10629	0.681468	0.0467017	2.56724
6.06653	0.220508	2.0704	0.811067	0.549258	0.0356838	2.43993
4.51484	0.180521	1.51129	0.591619	0.433533	0.0274243	2.36779
3.27056	0.126859	1.09174	0.431047	0.34861	0.0240066	2.31411
2.29831	0.0883192	0.782046	0.303877	0.286755	0.0182613	2.23318
1.57484	0.0710781	0.567075	0.217378	0.239693	0.0136457	2.22069
1.05527	0.0494537	0.414133	0.160986	0.208033	0.0128152	2.22457
0.703673	0.0314026	0.31655	0.127162	0.188046	0.01153	2.17331
0.476854	0.0253823	0.25107	0.101317	0.175112	0.0111809	2.15809
0.329256	0.0185118	0.213116	0.0888635	0.167986	0.00962738	2.17727
0.231128	0.0146133	0.194014	0.0809568	0.163532	0.0117392	2.17757
0.172857	0.0115835	0.178248	0.0715275	0.161385	0.0115909	2.18562
0.143106	0.00800486	0.172702	0.0721986	0.162679	0.00980729	2.19674
0.126101	0.0101835	0.169672	0.0747933	0.161311	0.0105517	2.21503
0.112878	0.0121306	0.169838	0.077344	0.162557	0.0118261	2.21892
0.10546	0.012742	0.169564	0.0793709	0.165594	0.0122762	2.23852
0.0980207	0.00988317	0.169467	0.0757913	0.169452	0.0121086	2.26687

0.0971087	0.00770268	0.171192	0.0758179	0.170698	0.0118805	2.26679
0.0952662	0.00924388	0.173165	0.0787328	0.170996	0.012848	2.25903
0.0924062	0.0105983	0.174622	0.0787779	0.175085	0.0111951	2.28109
0.0917546	0.00793704	0.177833	0.0828147	0.182862	0.0130785	2.30106
0.0921165	0.00549585	0.181045	0.0860011	0.190733	0.0136419	2.33797
0.0898673	0.00722141	0.183237	0.0858833	0.200782	0.0106478	2.35288
0.0878878	0.0070874	0.192121	0.0890881	0.214852	0.012575	2.40133
0.0897843	0.00506456	0.204621	0.0962997	0.23578	0.01354	2.43386
0.0898014	0.0074409	0.218496	0.109232	0.268041	0.0146619	2.48122
0.0892425	0.00756517	0.239814	0.126027	0.31176	0.0164656	2.57761
0.0902533	0.00888054	0.265511	0.14716	0.37361	0.0213875	2.71033
0.0947633	0.00872779	0.302629	0.194088	0.454766	0.0301856	2.87886
0.100709	0.0110056	0.355038	0.26178	0.566086	0.0386928	3.09635
0.108737	0.0141541	0.418635	0.334223	0.711747	0.0440866	3.39576
0.11304	0.0171639	0.500131	0.432688	0.896421	0.0581731	3.70501
0.121754	0.020825	0.595537	0.559972	1.11604	0.0714759	4.0963
0.137492	0.0262649	0.705957	0.701926	1.36784	0.0907241	4.59449
0.150986	0.0340488	0.827499	0.864483	1.64794	0.103825	5.11626
0.163956	0.0409616	0.949433	1.03914	1.94565	0.120789	5.6217
0.181431	0.0517584	1.07187	1.21251	2.23843	0.14007	6.17742
0.199876	0.0584596	1.18844	1.37194	2.51026	0.164536	6.6782
0.213217	0.0687115	1.28457	1.51914	2.74586	0.171833	7.08747
0.225729	0.0734272	1.34406	1.62555	2.91906	0.185284	7.40739
0.237254	0.0788782	1.37192	1.66773	3.00133	0.19812	7.59811
0.245219	0.089259	1.3705	1.69441	3.01794	0.201733	7.64285
0.251795	0.0957245	1.32953	1.64848	2.9541	0.185573	7.58298
0.255958	0.0866469	1.25985	1.54246	2.79845	0.176453	7.3602
0.247662	0.0827964	1.17047	1.42166	2.57875	0.163032	6.97784
0.23464	0.0813667	1.04754	1.26036	2.29696	0.137901	6.57841
0.229318	0.0808938	0.929903	1.09324	2.00321	0.13354	6.11763
0.220743	0.0665006	0.806283	0.905831	1.70694	0.112303	5.62412
0.207048	0.0522694	0.691258	0.732615	1.41277	0.0849779	5.09845
0.194389	0.0370583	0.58615	0.587295	1.15989	0.071677	4.67631
0.181991	0.0376021	0.494717	0.462323	0.939926	0.058404	4.31514
0.170625	0.0297795	0.415741	0.335834	0.748609	0.0494313	4.04222
0.160793	0.026302	0.359954	0.24821	0.59913	0.0441819	3.86587
0.153482	0.0204461	0.316739	0.200006	0.493103	0.036404	3.63708
0.149322	0.0161264	0.290419	0.163824	0.409486	0.0291076	3.57888
0.139231	0.0132671	0.274148	0.136459	0.349712	0.0242671	3.55219
0.137264	0.0105368	0.250626	0.120827	0.31363	0.0208224	3.50128
0.132414	0.0118896	0.245018	0.111573	0.289759	0.0239937	3.4261
0.130831	0.0140143	0.240974	0.11498	0.272726	0.0257093	3.38189
0.131222	0.0108052	0.24318	0.10871	0.263474	0.0218123	3.38224
0.125637	0.00946786	0.246535	0.105663	0.263743	0.0208935	3.35695
0.124988	0.0118189	0.243467	0.106908	0.265142	0.0172754	3.32365
0.123967	0.0127261	0.244987	0.110067	0.272151	0.0169821	3.34296
0.12186	0.0104646	0.246808	0.108375	0.27929	0.0149712	3.34193

0.123058	0.0108462	0.247076	0.105152	0.291366	0.0244187	3.30676
0.12637	0.0121867	0.252998	0.106551	0.307845	0.022544	3.34272
0.125766	0.0112009	0.261795	0.118868	0.329025	0.0222564	3.35771
0.128551	0.0140629	0.269398	0.121473	0.354547	0.028397	3.36441
0.130737	0.0112497	0.28064	0.128357	0.379885	0.0267315	3.40052
0.133933	0.0111301	0.296098	0.135897	0.41207	0.0326978	3.44747
0.130692	0.0129497	0.308611	0.134725	0.442399	0.0334053	3.48123
0.133694	0.0118204	0.323759	0.149728	0.475895	0.0366609	3.56186
0.137587	0.0115689	0.337564	0.157505	0.51244	0.0377843	3.60963
0.138529	0.0133954	0.351092	0.167931	0.546646	0.0410919	3.6571
0.142767	0.0145518	0.362274	0.179165	0.586065	0.0467371	3.75075
0.14467	0.0132928	0.38375	0.20165	0.627239	0.0489208	3.79071
0.142328	0.0114496	0.407054	0.225756	0.661063	0.0498674	3.89221
0.143778	0.013685	0.426387	0.244071	0.707026	0.041594	3.95707
0.144424	0.0127217	0.446211	0.268689	0.751786	0.042591	4.03181
0.152002	0.0135893	0.460228	0.285813	0.796918	0.0475565	4.12815
0.150444	0.0141152	0.475708	0.304434	0.829703	0.0479264	4.19409
0.152471	0.0163489	0.494587	0.331554	0.868429	0.0487716	4.2507
0.155092	0.017643	0.504033	0.346603	0.89328	0.0497712	4.28171
0.159695	0.021127	0.512556	0.356103	0.890999	0.0503062	4.29754
0.162607	0.0204253	0.509767	0.354734	0.88971	0.0519601	4.26117
0.163466	0.0185693	0.497335	0.349415	0.864481	0.0516863	4.2419
0.165249	0.0185024	0.490542	0.352077	0.831193	0.0492199	4.20328
0.165146	0.0179473	0.478263	0.340979	0.782683	0.0475892	4.09476
0.162119	0.0196238	0.461823	0.338194	0.728379	0.0410541	3.98443
0.162968	0.0163457	0.437558	0.318276	0.667684	0.0294894	3.88418
0.156878	0.0146794	0.408823	0.301095	0.602421	0.0367164	3.7435
0.15257	0.0152804	0.389161	0.292023	0.54394	0.0307304	3.66942
0.148613	0.0139917	0.370002	0.285531	0.490371	0.0291405	3.57853
0.149875	0.0147743	0.352907	0.265869	0.44622	0.0227159	3.44511
0.150155	0.0141225	0.343501	0.26225	0.40526	0.019155	3.37574
0.145958	0.0110783	0.334522	0.257518	0.37417	0.0216121	3.3222
0.142247	0.0106191	0.327766	0.253398	0.349518	0.0197755	3.27709
0.143534	0.0128977	0.320727	0.249955	0.332081	0.0165487	3.28408
0.147571	0.0145961	0.31339	0.237044	0.321084	0.0172092	3.26918
0.145757	0.0149061	0.312009	0.239898	0.316791	0.0212081	3.27252
0.143223	0.0119269	0.314326	0.231058	0.314331	0.0206615	3.24132
0.14271	0.0109012	0.314794	0.216943	0.312989	0.0197039	3.31764
0.148662	0.0121301	0.317321	0.215891	0.31506	0.0196044	3.35709
0.146175	0.0142393	0.318855	0.215501	0.323614	0.0197624	3.33443
0.141352	0.0123073	0.319025	0.208902	0.328031	0.0181358	3.42681
0.145824	0.00935231	0.317346	0.194354	0.33339	0.0191147	3.44265
0.145983	0.012859	0.320002	0.190173	0.335332	0.025755	3.4585
0.148751	0.0145125	0.321852	0.196601	0.346897	0.0249856	3.47428
0.145033	0.0135608	0.324388	0.192799	0.344496	0.0219798	3.52318
0.145449	0.0118917	0.316945	0.178781	0.345533	0.0212615	3.55758
0.147925	0.0135539	0.317279	0.168387	0.345567	0.023398	3.59928

0.149046	0.0151232	0.311428	0.169444	0.345719	0.0236214	3.62263
0.145052	0.0120739	0.321141	0.168793	0.350052	0.0236602	3.65921
0.148941	0.0173923	0.317219	0.157605	0.349658	0.0224828	3.66147
0.148862	0.0163482	0.317117	0.155625	0.354829	0.0249996	3.71966
0.150637	0.0123972	0.321917	0.153044	0.355674	0.0279649	3.75717
0.151626	0.0160471	0.321856	0.154492	0.355803	0.02133	3.84095
0.154435	0.0144171	0.329338	0.153386	0.361652	0.0249951	3.8931
0.152992	0.0148324	0.341486	0.154579	0.379238	0.0280349	3.976
0.154502	0.01426	0.352842	0.157412	0.398063	0.0284992	4.13856
0.15881	0.0130098	0.380094	0.163256	0.420075	0.0325171	4.35679
0.161974	0.015563	0.399441	0.174356	0.445194	0.0359809	4.51281
0.167055	0.0147217	0.437673	0.187232	0.483076	0.0374168	4.78107
0.171432	0.0124857	0.471153	0.213697	0.522551	0.0352422	5.04717
0.176481	0.0151044	0.514686	0.240125	0.572424	0.044832	5.41671
0.184784	0.0134373	0.559292	0.269614	0.626839	0.045095	5.72629
0.192962	0.0148093	0.608603	0.300128	0.674825	0.0532268	6.06146
0.197919	0.0163869	0.651811	0.330972	0.732995	0.0532861	6.39242
0.201462	0.0122642	0.693177	0.3459	0.780308	0.0621752	6.75486
0.209317	0.0193193	0.723231	0.36429	0.828316	0.0593006	6.97735
0.213598	0.0175184	0.746434	0.374711	0.857213	0.0678454	7.15261
0.218603	0.0203201	0.75398	0.387098	0.869193	0.0684601	7.25188
0.228703	0.0170431	0.754823	0.386219	0.88014	0.0647953	7.27763
0.230293	0.0188532	0.735609	0.369397	0.866388	0.0574937	7.24742
0.229489	0.0173821	0.706607	0.351078	0.837922	0.0627825	7.09914
0.233927	0.0188456	0.680182	0.331935	0.803116	0.0587948	6.87438
0.228963	0.0150076	0.647225	0.298023	0.748522	0.0515251	6.58341
0.230005	0.0216778	0.600032	0.267951	0.706264	0.0515851	6.24071
0.232828	0.021338	0.548747	0.24216	0.654641	0.044061	6.00921
0.229174	0.0175924	0.525417	0.220791	0.610766	0.03857	5.71482
0.221265	0.0160429	0.482829	0.192299	0.562102	0.0318643	5.39292
0.219507	0.0195085	0.449678	0.180971	0.53023	0.036165	5.15741
0.228013	0.0179282	0.427808	0.175341	0.492702	0.0308751	4.9542
0.222046	0.0166245	0.408881	0.160208	0.464742	0.031061	4.78852
0.221653	0.0144172	0.394551	0.159007	0.441589	0.0246756	4.65071
0.220926	0.0182145	0.378389	0.15381	0.429736	0.0269686	4.56206
0.221841	0.0163525	0.370679	0.153299	0.415957	0.0247664	4.46882
0.21921	0.0186856	0.364527	0.148449	0.41271	0.0240632	4.44359
0.220505	0.0152808	0.35406	0.139173	0.394001	0.0265526	4.41204
0.215325	0.0176884	0.350381	0.137091	0.393207	0.0219366	4.3556
0.216778	0.0143858	0.358948	0.149811	0.39696	0.0213097	4.34829
0.214662	0.0181113	0.353149	0.147498	0.390084	0.0309783	4.26756
0.215885	0.0139064	0.35065	0.149049	0.390534	0.0227882	4.26594
0.211902	0.0200428	0.347938	0.14198	0.393936	0.0189791	4.27883
0.214447	0.0199218	0.353269	0.146322	0.39138	0.025652	4.273
0.212056	0.0163734	0.354931	0.144917	0.391771	0.0231682	4.26684
0.206556	0.0202983	0.357318	0.147613	0.391167	0.0206284	4.26931
0.207812	0.0174127	0.353341	0.141449	0.390935	0.0279325	4.26516

0.216472	0.0152578	0.359126	0.145813	0.393426	0.0226633	4.29264
0.211488	0.0161351	0.365582	0.155306	0.399975	0.0257843	4.35138
0.213214	0.0156818	0.374822	0.150157	0.403243	0.0234961	4.37902
0.211663	0.0179413	0.381162	0.160368	0.408233	0.0278467	4.42605
0.214777	0.0150893	0.392274	0.156559	0.418365	0.0266725	4.52613
0.221949	0.0150355	0.400222	0.160519	0.432384	0.0263109	4.60651
0.22571	0.0182687	0.4137	0.155322	0.447941	0.0285337	4.81191
0.224718	0.0205449	0.44535	0.186208	0.465081	0.0235906	4.98527
0.227831	0.0202068	0.459381	0.178791	0.49756	0.0340678	5.26262
0.239124	0.017129	0.499573	0.207009	0.527918	0.0307861	5.65283
0.238537	0.0217245	0.548352	0.217352	0.572157	0.0383831	6.01328
0.251113	0.0176954	0.595772	0.243493	0.618863	0.0509835	6.61848
0.256171	0.0214945	0.654659	0.270917	0.682692	0.0615216	7.21887
0.271015	0.0184257	0.7282	0.302188	0.75715	0.0636241	7.97149
0.275798	0.0222717	0.814155	0.337937	0.835002	0.0752566	8.76868
0.295402	0.0223111	0.902858	0.391005	0.923046	0.0914935	9.67787
0.315952	0.0268241	0.994102	0.420639	1.01304	0.0936975	10.6656
0.327325	0.0238547	1.07445	0.459839	1.11107	0.114447	11.591
0.342119	0.0193821	1.15046	0.486367	1.18647	0.126837	12.4324
0.369209	0.028592	1.21077	0.524454	1.26704	0.139877	13.2361
0.373247	0.0239276	1.28295	0.558781	1.33183	0.148101	13.8814
0.392341	0.0215759	1.30148	0.558322	1.36922	0.151423	14.3497
0.410861	0.0253978	1.31823	0.56966	1.37763	0.155605	14.611
0.42209	0.0323473	1.28378	0.539327	1.37145	0.150202	14.4928
0.438091	0.0238554	1.27153	0.539763	1.34302	0.147381	14.2743
0.449086	0.0348606	1.22619	0.51928	1.29643	0.134954	13.8714
0.457838	0.0342788	1.15901	0.506089	1.22615	0.127967	13.2905
0.464444	0.0262884	1.08741	0.468389	1.15124	0.114821	12.746
0.473033	0.0295967	1.01224	0.43391	1.05672	0.097336	11.9609
0.469797	0.026727	0.94856	0.407582	0.98826	0.0975887	11.2457
0.464054	0.0281947	0.875779	0.365666	0.90813	0.0678399	10.5519
0.46515	0.0270696	0.819963	0.357007	0.835077	0.058176	9.91715
0.4688	0.02286	0.764113	0.311116	0.767797	0.0587927	9.50348
0.456843	0.0251147	0.734694	0.320834	0.719934	0.0510806	9.09349
0.442797	0.0195384	0.686322	0.289804	0.681436	0.0511618	8.81822
0.422219	0.0277837	0.668567	0.286091	0.647365	0.0410718	8.61173
0.416284	0.0312156	0.648767	0.286943	0.619381	0.0313908	8.67573
0.397437	0.0305841	0.640278	0.280754	0.607864	0.0389783	8.7262
0.385937	0.0216929	0.642906	0.290999	0.601284	0.031957	8.85314
0.356066	0.0284117	0.636522	0.280235	0.59892	0.0432301	8.95609
0.345045	0.0246834	0.646084	0.294025	0.598874	0.0381895	9.33001
0.326019	0.0180854	0.65544	0.309892	0.617907	0.0446498	9.65088
0.31662	0.0246355	0.671291	0.31542	0.621808	0.0392404	9.99678
0.299395	0.0223628	0.690016	0.329579	0.629226	0.0400584	10.4347
0.289159	0.0217964	0.708301	0.33833	0.656287	0.0424043	10.9676
0.283025	0.0236775	0.732611	0.354816	0.674192	0.0461824	11.5251
0.275868	0.019359	0.767835	0.379215	0.70532	0.0522659	12.2797

0.272521	0.0171116	0.807115	0.400727	0.743744	0.0500931	13.1265
0.269378	0.0227351	0.860383	0.436877	0.782653	0.0550128	14.3142
0.272195	0.0167459	0.945155	0.497787	0.845549	0.0537513	15.9475
0.274476	0.0157399	1.064	0.577313	0.932381	0.0685313	18.1253
0.272904	0.0190724	1.2361	0.694522	1.0681	0.0787304	21.594
0.271792	0.0181558	1.4809	0.837463	1.25639	0.0882433	26.5893
0.284012	0.018211	1.88081	1.09562	1.54329	0.113704	33.982
0.291995	0.0205171	2.45248	1.49893	1.96464	0.129893	44.8513
0.302678	0.0243775	3.28351	2.02708	2.58857	0.187473	60.8162
0.335683	0.0260234	4.46787	2.81763	3.47236	0.233557	83.7091
0.355731	0.0235856	6.08874	3.8666	4.714	0.314095	115.53
0.405823	0.0274803	8.30852	5.33036	6.39116	0.452	159.485
0.451694	0.0346639	11.198	7.16914	8.67245	0.604677	217.491
0.536835	0.0434415	14.9134	9.63513	11.619	0.818885	291.832
0.629114	0.0379553	19.5287	12.6294	15.2631	1.04547	386.63
0.765389	0.0469514	25.0942	16.229	19.7363	1.39397	500.823
0.925909	0.07662	31.5532	20.4737	24.9782	1.74931	635.35
1.1057	0.0844052	38.8303	25.3203	31.0223	2.2071	788.032
1.33524	0.09238	46.5039	30.251	37.4553	2.62381	954.263
1.57232	0.127661	54.4471	35.4681	44.3957	3.15239	1128.13
1.85819	0.132348	62.3304	40.5179	51.2113	3.59605	1304.18
2.15061	0.165043	69.446	45.2448	57.6616	4.04778	1467.9
2.42904	0.183177	75.5149	48.9825	63.4149	4.5032	1613.48
2.68121	0.201296	80.0848	52.115	67.8632	4.80237	1726.77
2.9117	0.225226	82.8787	54.0522	71.0353	5.14113	1806.12
3.08435	0.213983	83.509	54.4057	72.3199	5.08934	1839.23
3.19734	0.231403	82.1536	53.4507	71.8206	5.13461	1827.86
3.26731	0.233598	78.7382	51.316	69.6078	4.89791	1771.84
3.24591	0.232052	73.6831	47.9922	65.7734	4.65259	1673.66
3.14064	0.26008	67.0878	43.7705	60.6819	4.2615	1543.41
2.99782	0.196674	59.7524	38.8979	54.4858	3.82542	1387.29
2.74969	0.201956	51.78	33.5889	47.754	3.38237	1215.92
2.5149	0.190806	43.8766	28.4466	40.8022	2.97603	1039.97
2.23372	0.160146	36.1749	23.5578	34.0506	2.37639	868.368
1.94913	0.146123	29.0978	18.8918	27.7359	1.99148	706.721
1.68283	0.126273	22.9526	14.8644	22.1033	1.61426	562.352
1.44562	0.106121	17.6548	11.4375	17.1603	1.23426	436.835
1.20703	0.0797906	13.3174	8.59378	13.0718	0.907897	331.916
1.02663	0.0812693	9.85315	6.30104	9.74091	0.6897	247.052
0.846431	0.04934	7.15185	4.54584	7.13622	0.501568	179.822
0.729146	0.0418396	5.14876	3.19753	5.18712	0.353035	128.947
0.631396	0.0375157	3.67944	2.24968	3.69742	0.255662	91.16
0.560745	0.0394308	2.63366	1.59079	2.64536	0.192723	63.8324
0.498128	0.0401024	1.90874	1.09133	1.9161	0.142505	44.6391
0.454944	0.0310433	1.41439	0.760179	1.41507	0.0945908	31.4279
0.42886	0.0288671	1.10902	0.581204	1.09306	0.0697589	22.5637
0.409371	0.0235671	0.899481	0.435672	0.865589	0.0506758	16.8046

0.402467	0.0335621	0.762014	0.345078	0.733573	0.0459525	13.0441
0.394832	0.0266795	0.690678	0.297054	0.646375	0.0438198	10.6655
0.382728	0.0240049	0.64285	0.271698	0.593725	0.0352859	9.11927
0.386637	0.0252377	0.603266	0.245015	0.559156	0.033398	8.21384
0.391509	0.0312597	0.599583	0.238052	0.541745	0.0304902	7.5785
0.391369	0.0255311	0.598366	0.233071	0.538124	0.0350722	7.20473
0.390883	0.0278155	0.592209	0.23034	0.533723	0.030353	6.91542
0.392718	0.0245059	0.589347	0.226832	0.525171	0.0291192	6.79009
0.400349	0.0263058	0.59533	0.233519	0.53573	0.0360621	6.69508
0.402413	0.0265483	0.596114	0.234921	0.538841	0.0347248	6.72511
0.4025	0.0308385	0.60782	0.231734	0.545387	0.0258346	6.74992
0.398191	0.0234157	0.613884	0.229863	0.547117	0.0336726	6.74647
0.406334	0.0325259	0.619817	0.236401	0.554814	0.0319455	6.84831
0.406229	0.0267422	0.623023	0.235929	0.557007	0.0315981	6.93522
0.417607	0.0333537	0.647718	0.254377	0.577087	0.031506	7.09056
0.399099	0.0274648	0.662121	0.258567	0.585407	0.0300946	7.25994
0.419612	0.0267127	0.673271	0.258747	0.6	0.0432121	7.53899
0.410395	0.0211471	0.703584	0.290286	0.611641	0.0293485	7.82217
0.418447	0.0267329	0.708888	0.281203	0.643842	0.0385499	8.19344
0.412196	0.0303997	0.739595	0.301332	0.660965	0.0344486	8.64727
0.41821	0.0250826	0.759335	0.308835	0.691799	0.0388221	9.07916
0.418667	0.0217823	0.807327	0.340427	0.7235	0.0313108	9.77474
0.427949	0.0257889	0.863309	0.378356	0.771054	0.0427931	10.6034
0.434326	0.0250777	0.935946	0.415973	0.828402	0.0450555	11.7747
0.426772	0.0268691	1.0259	0.477447	0.904183	0.061527	13.2654
0.429214	0.0234067	1.15593	0.561399	0.997876	0.059365	15.208
0.439701	0.0380626	1.30126	0.644763	1.09916	0.0665797	17.9848
0.442922	0.0244442	1.49538	0.780185	1.27449	0.0666354	21.5895
0.44718	0.0247349	1.78043	0.971858	1.4719	0.0896469	26.2593
0.446651	0.0297062	2.12293	1.19102	1.75276	0.109787	32.6515
0.459183	0.031136	2.57125	1.50111	2.09607	0.126755	40.6804
0.467402	0.0211286	3.14158	1.86912	2.52907	0.157004	50.8736
0.485948	0.0247192	3.81097	2.29614	3.05818	0.202038	63.4304
0.511451	0.0284367	4.62439	2.8827	3.67139	0.236072	78.7432
0.524214	0.0358143	5.55253	3.4974	4.44856	0.268326	96.3723
0.558387	0.0329121	6.59737	4.22566	5.24779	0.342678	116.146
0.574362	0.0316822	7.68635	4.96902	6.1887	0.396635	138.592
0.602703	0.0379904	8.84942	5.67848	7.15376	0.471163	161.535
0.642011	0.0426871	10.0693	6.56095	8.11683	0.565127	184.928
0.692209	0.0379365	11.119	7.31325	9.07257	0.623092	207.521
0.723016	0.044246	12.077	7.87311	9.93753	0.65782	227.669
0.77547	0.0421708	12.8242	8.42015	10.6781	0.719834	244.904
0.801192	0.0512674	13.3564	8.82747	11.1687	0.759952	257.307
0.829224	0.0459896	13.5631	8.97929	11.5207	0.770559	264.628
0.859626	0.0533253	13.5184	8.88322	11.5797	0.799311	266.199
0.851537	0.0530327	13.165	8.68496	11.3738	0.734388	261.42
0.867506	0.0575767	12.5338	8.18672	10.9215	0.731507	251.189

0.862619	0.0542283	11.6903	7.70131	10.3063	0.699595	236.014
0.834795	0.0449096	10.6708	7.03879	9.4857	0.629963	216.574
0.814521	0.0525104	9.50327	6.22659	8.5342	0.546712	194.366
0.770355	0.0444869	8.32558	5.38793	7.52879	0.477244	170.507
0.752082	0.0476568	7.10035	4.59966	6.51319	0.409042	146.092
0.693114	0.035964	5.97529	3.83106	5.52892	0.358424	122.518
0.667821	0.0468528	4.91113	3.09264	4.58497	0.272311	100.704
0.616414	0.0259887	3.9954	2.52666	3.75286	0.245235	80.7752
0.583336	0.0351381	3.18145	1.93281	3.00982	0.202301	63.5225
0.544108	0.0259237	2.52915	1.48653	2.3963	0.152914	48.8703
0.513457	0.0320141	1.99341	1.12943	1.89644	0.12256	37.103
0.496591	0.0348952	1.55696	0.85982	1.48221	0.0885858	27.4214
0.469278	0.0243022	1.24315	0.653621	1.17546	0.0735234	20.0897
0.459781	0.0229088	1.002	0.473882	0.931464	0.0536377	14.4503
0.447451	0.0263791	0.827871	0.376175	0.762029	0.0417242	10.2713
0.442388	0.0270518	0.715281	0.307863	0.635252	0.0400324	7.34005
0.448034	0.0286166	0.629414	0.24693	0.545645	0.0341183	5.28206
0.444267	0.0303522	0.568495	0.20306	0.485222	0.025143	3.80293
0.448898	0.0246633	0.535077	0.204513	0.443073	0.0277336	2.81
0.461794	0.0303523	0.518577	0.18074	0.420569	0.0203859	2.1554
0.466309	0.0255527	0.518244	0.186381	0.404813	0.0185172	1.70763
0.48029	0.0315092	0.515433	0.171158	0.395194	0.0210286	1.46974
0.485308	0.0319769	0.525314	0.182433	0.398716	0.0223021	1.3249
0.510351	0.0366843	0.544744	0.184241	0.397821	0.0220474	1.24488
0.536309	0.0334227	0.557056	0.17743	0.414337	0.0273	1.18049
0.544772	0.0306367	0.594784	0.195431	0.422096	0.0213309	1.19108
0.563274	0.0281968	0.625181	0.199896	0.444381	0.0251995	1.23638
0.591913	0.0354163	0.656972	0.207201	0.469645	0.0274419	1.28319
0.603271	0.0338848	0.685117	0.227717	0.493239	0.0286956	1.37207
0.612546	0.0457993	0.743652	0.231662	0.527581	0.0266672	1.45147
0.620041	0.034554	0.789551	0.252361	0.564041	0.032905	1.60655
0.624411	0.0382925	0.842989	0.26567	0.602645	0.0351019	1.72592
0.637539	0.0355504	0.882957	0.272524	0.633732	0.0283386	1.88319
0.630633	0.0300967	0.936582	0.303103	0.676968	0.0335966	1.99967
0.622165	0.0399371	0.982816	0.300666	0.717428	0.0410803	2.13937
0.620751	0.0396978	1.01527	0.318238	0.743162	0.0379929	2.27426
0.612024	0.0277623	1.04295	0.332268	0.774849	0.0402283	2.38963
0.595935	0.0398092	1.05324	0.325496	0.795191	0.0419099	2.43594
0.579034	0.0376433	1.05159	0.334027	0.799751	0.0351225	2.49378
0.564589	0.0324687	1.0379	0.322286	0.800086	0.0371911	2.44812
0.550919	0.0409481	1.01903	0.312807	0.793677	0.0439895	2.4081
0.549309	0.0304739	0.982069	0.304112	0.779275	0.0408944	2.30001
0.527049	0.0320083	0.940319	0.288827	0.752212	0.040066	2.22659
0.516527	0.0246431	0.904935	0.274978	0.720175	0.0368815	2.09601
0.506816	0.034279	0.841925	0.242702	0.694726	0.0473598	1.95961
0.514774	0.030142	0.793338	0.241323	0.66264	0.0360349	1.82303
0.500613	0.0264534	0.733395	0.211078	0.619974	0.0305857	1.6727

0.494271	0.0367363	0.682971	0.207818	0.590568	0.0297961	1.51928
0.483743	0.0288246	0.643047	0.177283	0.555223	0.0285821	1.3937
0.489656	0.0326344	0.59866	0.170153	0.52272	0.026378	1.27106
0.488864	0.0301915	0.570832	0.155541	0.495409	0.0299286	1.15542
0.487944	0.02942	0.53033	0.15133	0.480254	0.0242672	1.06154
0.49832	0.0318196	0.520843	0.153128	0.460998	0.0236612	0.983258
0.482086	0.0341074	0.498962	0.144355	0.447583	0.0269995	0.928208
0.488836	0.0341462	0.486599	0.139912	0.43303	0.0221468	0.884471
0.492362	0.0274356	0.49061	0.147956	0.438351	0.0233345	0.862443
0.496203	0.0244791	0.480578	0.149696	0.427301	0.0194773	0.819232
0.512617	0.0280552	0.479408	0.131527	0.420731	0.0217608	0.805138
0.519124	0.0321731	0.474126	0.136446	0.420145	0.0252402	0.798861
0.516768	0.0332242	0.476407	0.155449	0.416642	0.0261866	0.777904
0.527857	0.0257864	0.483248	0.144179	0.419566	0.0257975	0.780864
0.52979	0.0347802	0.480016	0.15145	0.417012	0.0263763	0.746201
0.536778	0.0296195	0.474658	0.148185	0.41686	0.0210794	0.786715
0.540895	0.0306319	0.480195	0.158852	0.418636	0.0237086	0.775397
0.531995	0.0315901	0.475304	0.158039	0.416594	0.0218048	0.774744
0.535237	0.0252574	0.47746	0.152936	0.42111	0.0220344	0.752733
0.536276	0.0237866	0.473522	0.163047	0.42287	0.0236016	0.769149
0.531516	0.0303314	0.472632	0.1592	0.41584	0.0254319	0.770274
0.526396	0.0300142	0.48538	0.161049	0.421668	0.027377	0.778586
0.52519	0.031379	0.471373	0.157105	0.421964	0.0213102	0.784047
0.514254	0.0379234	0.477966	0.169525	0.425419	0.0274753	0.754121
0.519105	0.0299345	0.486465	0.164267	0.432035	0.0231981	0.765926
0.508814	0.0327403	0.478165	0.158756	0.434984	0.0281147	0.810545
0.508996	0.0302509	0.487297	0.175054	0.439155	0.0305352	0.803673
0.511892	0.0273709	0.484344	0.160604	0.44598	0.0222155	0.791888
0.506185	0.0282694	0.489376	0.168722	0.447495	0.0272548	0.837824
0.497407	0.0327149	0.49432	0.169731	0.464667	0.0228913	0.833367
0.500387	0.035269	0.518027	0.183827	0.478272	0.0294152	0.850556
0.499985	0.0297676	0.522193	0.195703	0.489796	0.0291557	0.865901
0.500343	0.0290652	0.536164	0.188829	0.518621	0.0349549	0.875445
0.498261	0.031389	0.558857	0.207107	0.547769	0.0316015	0.925844
0.497765	0.0350265	0.585625	0.23621	0.582763	0.0411671	0.921419
0.502759	0.0253394	0.629368	0.273681	0.619892	0.0510425	0.961756
0.508809	0.0309231	0.673551	0.320663	0.69493	0.062944	1.01267
0.507504	0.03	0.719057	0.390201	0.755942	0.0659191	1.05146
0.517793	0.0317664	0.787837	0.456206	0.838393	0.0899002	1.11835
0.498252	0.031584	0.843685	0.562181	0.937492	0.112477	1.13847
0.506567	0.0314694	0.93391	0.676179	1.0405	0.130986	1.24425
0.508302	0.0300906	0.98891	0.754232	1.15632	0.158102	1.32558
0.515181	0.0313064	1.07429	0.876782	1.2703	0.189679	1.40113
0.529988	0.032009	1.14437	0.995855	1.36722	0.195913	1.48866
0.526081	0.0344199	1.20988	1.07572	1.48174	0.224726	1.59662
0.52763	0.0307745	1.27163	1.1586	1.5697	0.249619	1.6247
0.536364	0.0339432	1.29489	1.18967	1.63898	0.272789	1.70562

0.531632	0.029309	1.3385	1.27083	1.70586	0.275156	1.74369
0.535063	0.0317246	1.35964	1.27335	1.73531	0.283197	1.83523
0.536896	0.0292475	1.35041	1.28107	1.73821	0.277698	1.83934
0.552434	0.0300414	1.33018	1.24716	1.70573	0.279185	1.88117
0.537546	0.0317409	1.28768	1.17499	1.65989	0.25917	1.86901
0.545144	0.0341375	1.23	1.08049	1.59759	0.233377	1.86012
0.542429	0.033526	1.16908	0.96387	1.48986	0.226893	1.85729
0.54085	0.0383404	1.10277	0.853312	1.41002	0.207932	1.82167
0.536669	0.0328047	1.02398	0.778528	1.30681	0.168492	1.73524
0.551657	0.0363924	0.948656	0.646707	1.20099	0.157349	1.7022
0.54173	0.0286275	0.895363	0.548919	1.08705	0.131958	1.65866
0.538144	0.0308595	0.83463	0.457803	0.994922	0.101924	1.61889
0.541285	0.0329498	0.776899	0.387428	0.901314	0.0853623	1.55272
0.532176	0.0326602	0.724853	0.309146	0.831519	0.0747444	1.47917
0.540369	0.0314973	0.696221	0.261873	0.757822	0.0561471	1.44727
0.536917	0.0341104	0.671819	0.223943	0.716913	0.0523917	1.37065
0.534042	0.0275518	0.647211	0.185599	0.665203	0.0408354	1.34839
0.535944	0.0321645	0.636295	0.179065	0.643273	0.0361491	1.32006
0.537269	0.0380972	0.622488	0.158603	0.617752	0.0344724	1.2898
0.541942	0.0354047	0.622061	0.153083	0.605531	0.0326515	1.25515
0.544956	0.0357864	0.615849	0.159019	0.59703	0.0367619	1.25327
0.553937	0.0246584	0.611876	0.159146	0.590977	0.0260758	1.19822
0.545372	0.0356501	0.619873	0.148018	0.592555	0.035672	1.18411
0.544355	0.0357503	0.624776	0.147673	0.583833	0.0331898	1.18067
0.560736	0.0349845	0.622067	0.150236	0.590767	0.0304155	1.15946
0.549312	0.0366083	0.618119	0.141224	0.57714	0.03187	1.14244
0.558819	0.0351244	0.611745	0.14296	0.575241	0.0331706	1.0795
0.574146	0.0316236	0.614227	0.14328	0.581716	0.0328236	1.08449
0.580255	0.0338467	0.612009	0.136268	0.571636	0.0325634	1.08347
0.572242	0.0336161	0.612689	0.141323	0.569969	0.0294356	1.03525
0.582454	0.0395294	0.607658	0.145244	0.567852	0.0279797	1.01083
0.578188	0.0377369	0.612127	0.137795	0.575147	0.029943	0.99381
0.5952	0.0361818	0.603396	0.140462	0.565799	0.0316103	0.976633
0.601039	0.0394392	0.608224	0.144292	0.557761	0.0287538	0.962553
0.594709	0.0404258	0.597816	0.138688	0.553078	0.0259733	0.92181
0.609546	0.0347107	0.595259	0.144106	0.551491	0.0246614	0.902105
0.613087	0.0374328	0.60153	0.133839	0.557257	0.0298573	0.883382
0.615333	0.0324741	0.601441	0.144678	0.560626	0.0262672	0.899177
0.620346	0.0405127	0.611387	0.153494	0.555628	0.0243012	0.882492
0.622352	0.0408533	0.620946	0.162644	0.560983	0.0252315	0.887771
0.628185	0.0437528	0.627961	0.172275	0.554395	0.0282828	0.867553
0.632571	0.0307099	0.63401	0.168599	0.563942	0.0249909	0.863166
0.645231	0.0401332	0.649326	0.176988	0.563831	0.022369	0.843882
0.645953	0.0386255	0.665706	0.19208	0.562176	0.0303506	0.84708
0.661167	0.0287804	0.693478	0.203198	0.578075	0.0305456	0.84762
0.663739	0.0340969	0.714067	0.2277	0.574686	0.0297061	0.854713
0.658416	0.0341712	0.74331	0.244872	0.59032	0.0277566	0.859415

0.670306	0.0361895	0.782631	0.271665	0.595018	0.0268647	0.874807
0.674703	0.0536382	0.833295	0.345211	0.607334	0.0246084	0.873661
0.70241	0.0475	0.886086	0.370503	0.622549	0.0279782	0.855433
0.709017	0.0359953	0.950302	0.448881	0.637742	0.0395489	0.866277
0.727361	0.0410253	1.01579	0.519454	0.658244	0.0252317	0.87378
0.737523	0.04234	1.08991	0.626478	0.68022	0.029073	0.868806
0.757445	0.0409128	1.15956	0.70768	0.690951	0.0309533	0.878285
0.78509	0.0448646	1.23475	0.762895	0.709761	0.0315073	0.905859
0.791242	0.0440612	1.31254	0.890275	0.73496	0.0322868	0.909234
0.823496	0.0372528	1.35839	0.910934	0.761322	0.0385169	0.908904
0.838171	0.0347606	1.42465	0.984	0.772592	0.0419272	0.904914
0.873773	0.0504667	1.45991	1.05471	0.782976	0.0385873	0.904824
0.898378	0.0516233	1.48819	1.06608	0.802038	0.0374528	0.92449
0.9108	0.0362479	1.51969	1.10649	0.801071	0.0399719	0.922648
0.922713	0.0385786	1.49514	1.10003	0.803609	0.0399919	0.945498
0.931869	0.0478539	1.47521	1.04079	0.803734	0.0356141	0.952078
0.940912	0.0421535	1.44248	1.01518	0.793625	0.0404826	0.954248
0.935832	0.0477847	1.38278	0.936056	0.788108	0.0312041	0.93508
0.943566	0.0378	1.32366	0.870647	0.781233	0.0341036	0.95352
0.913593	0.0441624	1.26123	0.770662	0.762721	0.0318899	0.94314
0.909733	0.0398984	1.19771	0.680871	0.732957	0.0309219	0.943078
0.8905	0.0394057	1.13699	0.619275	0.72995	0.0335263	0.931594
0.891554	0.046985	1.07128	0.536897	0.720252	0.0347131	0.933707
0.862648	0.0398647	1.0041	0.455542	0.701432	0.0303149	0.947441
0.8515	0.0427416	0.946665	0.377715	0.694321	0.0313268	0.939087
0.829702	0.0408523	0.906628	0.333928	0.677977	0.024378	0.939103
0.815555	0.0521006	0.879364	0.287337	0.678581	0.0314258	0.946684
0.808203	0.0413252	0.839181	0.258425	0.678326	0.0311266	0.958308
0.793894	0.0433545	0.8308	0.247787	0.679137	0.0326687	0.949013
0.776222	0.0411668	0.798891	0.214627	0.684063	0.0310545	0.967529
0.781374	0.0404124	0.799636	0.215137	0.698588	0.0346048	0.968512
0.761058	0.0446235	0.803527	0.203627	0.701736	0.0378198	0.988896
0.778096	0.0411386	0.799592	0.200081	0.713358	0.0342396	0.978078
0.781627	0.0482708	0.798061	0.207915	0.725642	0.0399213	0.98545
0.770627	0.0375871	0.806755	0.209662	0.742234	0.0389345	0.979516
0.765513	0.042357	0.805382	0.207811	0.75511	0.043488	0.982734
0.762918	0.0385652	0.821216	0.222329	0.769763	0.0516984	1.00535
0.779373	0.0404215	0.827639	0.21754	0.790872	0.0557267	0.979685
0.774678	0.032388	0.835826	0.231432	0.799021	0.0515314	1.01182
0.766351	0.0465723	0.836603	0.240888	0.812457	0.0576119	1.00007
0.78033	0.0351847	0.846587	0.244699	0.808818	0.0560944	1.02316
0.780188	0.0421092	0.848216	0.232051	0.812812	0.0490703	1.02922
0.791442	0.0535511	0.833401	0.224358	0.812772	0.0494173	1.01771
0.785988	0.0328184	0.840706	0.213107	0.810021	0.0473145	0.991536
0.78693	0.0429107	0.827206	0.21115	0.79448	0.0523918	1.00753
0.785935	0.0389105	0.817371	0.199197	0.780631	0.0554041	1.03086
0.793247	0.0388883	0.823865	0.197476	0.773339	0.043036	1.0057

0.787463	0.0359528	0.80075	0.1795	0.764456	0.0414102	1.01586
0.784345	0.0370571	0.78361	0.175781	0.739311	0.0459334	0.992877
0.783924	0.047076	0.770144	0.163657	0.729037	0.0391567	1.0136
0.790671	0.0467898	0.767791	0.1518	0.70632	0.0414793	1.01422
0.780129	0.0458087	0.754837	0.147433	0.694102	0.0345143	1.00695
0.785858	0.0442374	0.753482	0.150691	0.683775	0.0370791	1.01983
0.786615	0.0338482	0.737833	0.134942	0.680469	0.0358745	1.01596
0.78751	0.0358372	0.733353	0.138718	0.661868	0.0277433	1.03796
0.783053	0.0321582	0.736682	0.146371	0.655722	0.028933	1.03816
0.799136	0.0349048	0.729038	0.130742	0.652122	0.0270626	1.05905
0.785444	0.0363052	0.726037	0.135859	0.65133	0.0322531	1.06039
0.787049	0.0422475	0.727716	0.149767	0.651284	0.033729	1.0498
0.800235	0.0369471	0.721752	0.132694	0.638651	0.0381901	1.07382
0.781372	0.0387392	0.718816	0.133852	0.641949	0.0268132	1.07844
0.780209	0.0353501	0.736635	0.139074	0.643364	0.033422	1.08473
0.775177	0.0364375	0.721273	0.133605	0.646594	0.0312129	1.06746
0.785519	0.0388733	0.734822	0.135727	0.646846	0.0248489	1.08007
0.788284	0.0400767	0.733244	0.14196	0.657419	0.0241766	1.08251
0.790441	0.0421395	0.729937	0.131416	0.665597	0.0289356	1.07995
0.795409	0.0249923	0.72924	0.143942	0.670428	0.0380079	1.06423
0.788191	0.0381458	0.730188	0.135284	0.662525	0.0263524	1.11017
0.780685	0.0390506	0.735545	0.139352	0.672463	0.0341496	1.08045
0.788784	0.0357649	0.747538	0.142018	0.677414	0.0294717	1.07959
0.781709	0.0338451	0.736735	0.13873	0.684543	0.0304196	1.07958
0.783956	0.0382216	0.737468	0.136263	0.684644	0.0371923	1.08184
0.786749	0.0400844	0.738011	0.141859	0.679519	0.0356973	1.07946
0.789212	0.0456323	0.727222	0.145068	0.686901	0.0294899	1.05841
0.791909	0.0374232	0.734629	0.133522	0.688302	0.0251231	1.06094
0.792617	0.0435274	0.724483	0.134077	0.68462	0.0293682	1.03126
0.777178	0.0378316	0.733996	0.145872	0.693395	0.030544	1.06455
0.790279	0.0342244	0.72602	0.139908	0.683153	0.0294326	1.05593
0.775678	0.0384353	0.730918	0.129962	0.682149	0.0402482	1.02381
0.779416	0.044976	0.725434	0.137848	0.678047	0.0304814	1.02067
0.778754	0.0357754	0.726827	0.138415	0.685153	0.0262581	1.01268
0.78316	0.0332347	0.720961	0.138357	0.673093	0.0326689	1.0084
0.78055	0.0292006	0.716738	0.136979	0.674699	0.0296815	0.998405
0.778849	0.0452984	0.720183	0.134036	0.681583	0.0337241	0.98488
0.787727	0.0401288	0.714937	0.135709	0.676599	0.0311505	0.967675
0.77356	0.0366987	0.723766	0.137797	0.668297	0.0331291	0.961722
0.776739	0.0406859	0.722755	0.139067	0.664218	0.0251892	0.937761
0.777949	0.0417168	0.72116	0.143853	0.665139	0.0270228	0.960729
0.774702	0.0334462	0.716435	0.131352	0.667226	0.0275341	0.926402
0.789741	0.0340262	0.716087	0.132914	0.66951	0.0297782	0.928714
0.785639	0.0387791	0.718934	0.136615	0.665467	0.0286792	0.9465
0.778517	0.0460602	0.734607	0.134218	0.664581	0.0306002	0.902974
0.808252	0.0466859	0.733092	0.134761	0.667679	0.0344616	0.922519
0.800784	0.0478725	0.744234	0.139767	0.673655	0.0302672	0.919786

0.783904	0.0436964	0.744573	0.13331	0.668861	0.0344112	0.920665
0.794798	0.0393305	0.762462	0.148223	0.671129	0.0308896	0.912276
0.809032	0.0449165	0.768666	0.142526	0.676727	0.0357525	0.91997
0.802052	0.0517099	0.765552	0.14826	0.687021	0.0323587	0.908766
0.811904	0.042012	0.77912	0.153408	0.685227	0.033981	0.900545
0.812943	0.0401844	0.786392	0.158904	0.689741	0.0310421	0.925554
0.812696	0.0410657	0.812968	0.176506	0.692693	0.0365423	0.913016
0.833888	0.0494377	0.816414	0.169249	0.69685	0.0327009	0.900185
0.836063	0.0459244	0.829411	0.173577	0.698374	0.0330119	0.930157
0.835401	0.0384831	0.84544	0.192835	0.709967	0.0331612	0.919799
0.838328	0.0404735	0.849123	0.202233	0.714872	0.0381504	0.94526
0.847189	0.0421177	0.860443	0.198454	0.707797	0.0321952	0.939599
0.851799	0.0486422	0.859141	0.198244	0.723566	0.0316049	0.94033
0.857238	0.0393893	0.870909	0.200732	0.712538	0.0369196	0.940332
0.852991	0.0350676	0.859401	0.194125	0.717841	0.0315881	0.974042
0.850693	0.047416	0.868214	0.193462	0.723109	0.0333529	0.971233
0.865483	0.044718	0.862064	0.193508	0.719374	0.0363329	0.993341
0.858223	0.0389013	0.857401	0.195509	0.719015	0.0312001	1.01303
0.8593	0.0420967	0.85567	0.189649	0.72424	0.0315715	1.01052
0.853605	0.0439302	0.855202	0.181887	0.719965	0.037232	1.02556
0.867295	0.038949	0.838969	0.179369	0.72095	0.0298625	1.04035
0.865055	0.0396619	0.835841	0.176211	0.720726	0.0307792	1.04187
0.861049	0.0372425	0.82541	0.171192	0.719136	0.0295647	1.06414
0.867804	0.0433166	0.824565	0.164357	0.708515	0.0247041	1.06025
0.862898	0.0494286	0.825186	0.164061	0.718436	0.0340018	1.09754
0.854558	0.0502689	0.814585	0.168955	0.719436	0.0318268	1.09491
0.855722	0.0438907	0.814766	0.16256	0.71852	0.0319587	1.11349
0.839339	0.042	0.813967	0.17065	0.711138	0.0280039	1.09689
0.856157	0.0472226	0.803786	0.170208	0.71356	0.0307398	1.09555
0.855652	0.0457681	0.799957	0.158512	0.721985	0.0301524	1.10131
0.849431	0.0429653	0.797979	0.167115	0.709227	0.0328855	1.09032
0.850104	0.0419436	0.80069	0.172258	0.711845	0.0351863	1.08696
0.842301	0.0420128	0.809326	0.164399	0.712872	0.0280671	1.08142
0.846107	0.0490515	0.805045	0.177064	0.711479	0.034403	1.0571
0.84826	0.0352851	0.804127	0.173578	0.707507	0.0354975	1.06748
0.852145	0.0398839	0.80737	0.179742	0.711788	0.037729	1.04161
0.854201	0.0492003	0.810845	0.181879	0.707018	0.0366716	1.04078
0.844532	0.044169	0.798011	0.190227	0.708905	0.0335539	1.03523
0.853946	0.0476224	0.808596	0.182214	0.708832	0.0334923	1.01794
0.849007	0.0331306	0.806971	0.182536	0.706142	0.032453	1.03191
0.849937	0.0399491	0.815294	0.199147	0.708845	0.0295526	1.04153
0.867199	0.0457264	0.812051	0.177266	0.712765	0.036666	1.03573
0.853516	0.0452766	0.817246	0.181388	0.707966	0.0288637	1.02032
0.845464	0.0363502	0.822739	0.181395	0.711305	0.0399992	1.01425
0.853684	0.0398429	0.822118	0.183483	0.713941	0.0253115	1.01145
0.84905	0.0426153	0.817531	0.187884	0.712935	0.0292912	1.01758
0.846502	0.0362238	0.836421	0.197195	0.717167	0.0290296	1.00617

0.86067	0.0529792	0.850197	0.198335	0.711094	0.0292947	1.02059
0.853421	0.0345412	0.842858	0.189097	0.720112	0.0278273	1.03144
0.847347	0.0358793	0.850495	0.193995	0.714288	0.0301379	1.03174
0.858604	0.0415698	0.865867	0.196985	0.717287	0.0292258	1.04993
0.872815	0.0411475	0.861771	0.197953	0.715115	0.0298177	1.07736
0.853107	0.0423984	0.887231	0.216329	0.718846	0.0311929	1.06634
0.847318	0.0404679	0.896749	0.226218	0.72494	0.0323231	1.06317
0.858323	0.0458025	0.905682	0.21551	0.731492	0.0347523	1.10891
0.876023	0.0543616	0.915942	0.218414	0.736248	0.0272548	1.11087
0.868542	0.0553168	0.937282	0.225291	0.724204	0.0249918	1.1318
0.870829	0.0405221	0.945953	0.229482	0.735137	0.0380082	1.13074
0.857045	0.0462058	0.966898	0.243463	0.734246	0.0341112	1.16036
0.868709	0.0441931	0.978242	0.25603	0.736558	0.034251	1.17078
0.871892	0.0408822	0.9873	0.260289	0.738809	0.0190936	1.19256
0.866368	0.0429572	0.994345	0.254019	0.745249	0.0345834	1.2179
0.869632	0.0444799	1.00204	0.26438	0.745194	0.0345801	1.2108
0.865805	0.049376	1.01337	0.265655	0.739708	0.0424445	1.22091
0.853362	0.042648	1.00433	0.254088	0.737445	0.0308986	1.21865
0.871804	0.0440495	1.01106	0.250686	0.747547	0.0225416	1.2348
0.863925	0.0504499	0.993926	0.255201	0.743327	0.0300627	1.19801
0.865308	0.039761	0.98799	0.238547	0.743371	0.0358559	1.19837
0.871377	0.042618	0.97499	0.233326	0.735841	0.0333795	1.18177
0.849912	0.044299	0.972421	0.230024	0.735224	0.0282823	1.18666
0.858324	0.0338172	0.957722	0.211239	0.731105	0.0323611	1.17115
0.855068	0.0335291	0.936677	0.194408	0.730836	0.0302855	1.157
0.864126	0.046805	0.925353	0.195784	0.730002	0.029562	1.14864
0.861802	0.0479044	0.925449	0.199726	0.728141	0.0279473	1.12701
0.86135	0.0392057	0.902058	0.180381	0.721787	0.0301479	1.10358
0.858117	0.0383222	0.893303	0.172566	0.715113	0.0259164	1.09992
0.853455	0.0517437	0.873234	0.160783	0.722565	0.0328643	1.08121
0.856188	0.0446416	0.871742	0.154547	0.721182	0.0230258	1.07556
0.85703	0.0426268	0.867935	0.149191	0.715955	0.0350557	1.08293
0.858527	0.0408017	0.845389	0.144241	0.71836	0.0286316	1.0713
0.853067	0.0357398	0.836105	0.142745	0.716552	0.0326043	1.05952
0.854128	0.0495628	0.847955	0.146992	0.718927	0.0367505	1.04883
0.843801	0.043209	0.843494	0.149915	0.716731	0.0247875	1.06748
0.853948	0.0464292	0.847339	0.144127	0.717515	0.0251399	1.04175
0.843348	0.0419318	0.85587	0.14471	0.715825	0.0255594	1.06879
0.844394	0.0415323	0.848781	0.143998	0.711451	0.0302084	1.06407
0.845652	0.0423525	0.846289	0.132769	0.71878	0.0277688	1.06303
0.850051	0.0486715	0.838213	0.14058	0.704012	0.0244001	1.05056
0.843894	0.0417067	0.859614	0.144989	0.718114	0.0286931	1.07249
0.844557	0.0447975	0.859545	0.149222	0.724545	0.0323089	1.06292
0.842529	0.0496598	0.862369	0.148033	0.721147	0.0333808	1.05903
0.838313	0.0419638	0.866186	0.151309	0.724589	0.0316205	1.0814
0.848315	0.0417945	0.883919	0.145	0.725428	0.0279311	1.0648
0.838973	0.046321	0.889876	0.154418	0.729172	0.0362368	1.08351

0.838761	0.0405873	0.89991	0.155976	0.738971	0.0308812	1.0906
0.83377	0.0407967	0.91542	0.164386	0.742791	0.0252031	1.0835
0.831158	0.0371386	0.935867	0.174193	0.748592	0.0331054	1.10682
0.843229	0.0345951	0.959217	0.179748	0.75713	0.027638	1.11421
0.834201	0.0473336	0.981274	0.197279	0.765058	0.0337724	1.10463
0.843699	0.0420765	1.00608	0.209141	0.790836	0.0323537	1.10225
0.840037	0.0391193	1.02648	0.217736	0.79595	0.0325747	1.10271
0.842435	0.0368118	1.06302	0.24548	0.810704	0.0325652	1.1451
0.850208	0.0395694	1.06999	0.270025	0.816246	0.0348637	1.107
0.85989	0.0454629	1.11878	0.279595	0.838417	0.0358857	1.14765
0.861339	0.0386847	1.13113	0.294805	0.859083	0.0416097	1.10211
0.865213	0.0440706	1.16502	0.314963	0.861833	0.0356785	1.13297
0.853685	0.0369935	1.18712	0.339725	0.891038	0.0338984	1.12717
0.881142	0.0492657	1.22379	0.351476	0.893713	0.0347871	1.11716
0.879144	0.0625007	1.20984	0.348049	0.907592	0.0361419	1.12244
0.885408	0.0420382	1.23555	0.354271	0.922391	0.046723	1.13889
0.880438	0.0462595	1.24759	0.38675	0.918394	0.0405443	1.1418
0.891436	0.0437047	1.2275	0.374737	0.929285	0.0468162	1.11709
0.903551	0.0396681	1.23754	0.356521	0.927541	0.0408065	1.12984
0.893358	0.048967	1.21751	0.334865	0.909183	0.0382191	1.12159
0.886757	0.0368487	1.18083	0.326958	0.894833	0.0414884	1.104
0.892582	0.0481696	1.16741	0.318987	0.893038	0.0413067	1.10184
0.891804	0.0444942	1.13209	0.306025	0.878782	0.0415412	1.10011
0.888349	0.0309159	1.08531	0.277784	0.856344	0.0390053	1.10708
0.894446	0.0410535	1.07011	0.242609	0.843562	0.0436084	1.09961
0.878732	0.0393413	1.03335	0.232806	0.826638	0.0363842	1.08177
0.882313	0.0483119	1.00258	0.208957	0.813702	0.0377381	1.09531
0.866698	0.0351767	0.96922	0.194402	0.796864	0.0320749	1.07391
0.869799	0.0465492	0.935213	0.166963	0.777263	0.0354037	1.07253
0.867358	0.0395226	0.922149	0.165633	0.768272	0.0317831	1.08449
0.859306	0.0373821	0.903451	0.144654	0.748851	0.0268741	1.04784
0.842867	0.0369896	0.883075	0.157079	0.746277	0.025915	1.05393
0.856837	0.0509439	0.863838	0.132681	0.732846	0.0304691	1.04825
0.837738	0.0371347	0.856003	0.140007	0.726635	0.0241683	1.06416
0.83811	0.0351286	0.848535	0.130808	0.719701	0.0253746	1.07086
0.838832	0.0374277	0.828674	0.125532	0.71485	0.0327013	1.04174
0.848751	0.0459633	0.819649	0.123414	0.714985	0.029095	1.0591
0.846058	0.0388449	0.824297	0.136975	0.701643	0.0202541	1.06166
0.844326	0.0351475	0.813111	0.122175	0.702861	0.0309218	1.06323
0.839198	0.0451275	0.817037	0.116201	0.698122	0.0304617	1.07278
0.839707	0.0402739	0.798763	0.118049	0.696139	0.0281016	1.06721
0.840237	0.0499812	0.790818	0.110693	0.701742	0.0266436	1.08643
0.851748	0.0436735	0.794178	0.119421	0.70629	0.0251203	1.06473
0.849307	0.039688	0.797483	0.110429	0.702506	0.028947	1.07778
0.845985	0.0446901	0.786389	0.124538	0.704491	0.0210866	1.10001
0.849418	0.0425667	0.787815	0.106729	0.705542	0.0324214	1.09557
0.846145	0.0390052	0.782223	0.113574	0.699081	0.0218965	1.08669

0.848405	0.0486996	0.791952	0.113482	0.702396	0.0281725	1.11935
0.847176	0.0405875	0.778199	0.0996043	0.703765	0.0289203	1.10632
0.843671	0.0335678	0.776456	0.115113	0.702822	0.0302031	1.1155
0.847196	0.0346854	0.774346	0.105477	0.700633	0.0329531	1.11526
0.847905	0.0429883	0.777764	0.0961469	0.700899	0.0254439	1.1319
0.846509	0.036298	0.77053	0.101629	0.705892	0.0341651	1.14594
0.858672	0.0421144	0.76479	0.0937145	0.694743	0.026982	1.14453
0.857593	0.0378118	0.771483	0.100086	0.70085	0.0216479	1.1443
0.853528	0.033279	0.774001	0.0979894	0.696218	0.0311815	1.1416
0.869	0.0469867	0.760395	0.0972726	0.702476	0.030837	1.13957
0.860515	0.0455446	0.774867	0.0964683	0.700712	0.0304849	1.13758
0.85465	0.0447772	0.767705	0.0922729	0.694378	0.029144	1.14056
0.860897	0.0417809	0.757497	0.0983181	0.700386	0.0314289	1.15091
0.855308	0.0460532	0.75302	0.0959541	0.690117	0.0238111	1.14328
0.86099	0.0476998	0.758861	0.0753228	0.696919	0.030694	1.14385
0.862828	0.0399831	0.765624	0.0813003	0.693261	0.032249	1.15457
0.873284	0.048336	0.768717	0.102223	0.701802	0.0335086	1.1537
0.864503	0.0461755	0.761568	0.0875149	0.696155	0.0311945	1.15699
0.866981	0.0332354	0.759973	0.0858791	0.69073	0.0369788	1.15963
0.8529	0.0410277	0.757045	0.0809012	0.695479	0.0304133	1.14709
0.870564	0.0374355	0.756142	0.0913569	0.698649	0.033883	1.11514
0.856012	0.0463113	0.750202	0.0797283	0.694988	0.026924	1.12214
0.867813	0.0355794	0.758161	0.0985121	0.695845	0.0262428	1.12835
0.874754	0.0388627	0.758526	0.09003	0.697511	0.0248502	1.10186
0.861233	0.039427	0.771722	0.0940057	0.692267	0.0246872	1.10476
0.854731	0.046543	0.74656	0.0889708	0.692319	0.0272955	1.06819
0.85619	0.045326	0.757397	0.0890688	0.70102	0.0240955	1.07193
0.867438	0.0408561	0.756824	0.0802817	0.696353	0.0285281	1.07148
0.864015	0.0438959	0.762742	0.0807595	0.697337	0.0315426	1.06125
0.849034	0.0427056	0.765809	0.0950346	0.687316	0.0253184	1.03774
0.86661	0.0383892	0.756739	0.0873904	0.695534	0.0320336	1.04277
0.859966	0.0380701	0.751974	0.0817807	0.699814	0.0288414	1.03306
0.865129	0.0434513	0.760163	0.0923333	0.698703	0.0286132	1.0367
0.862237	0.0432781	0.754556	0.0878169	0.68638	0.026779	1.02273
0.844717	0.0438368	0.756307	0.0833338	0.693927	0.0244874	1.02491
0.842625	0.0456076	0.748639	0.0886789	0.693029	0.0336311	1.01309
0.857397	0.0460697	0.749095	0.0794184	0.693304	0.0284076	1.00885
0.851467	0.0365942	0.760805	0.0824528	0.702695	0.0317771	1.03458
0.863979	0.0406875	0.765323	0.090687	0.700902	0.0308868	1.0037
0.851104	0.0410449	0.754201	0.0844634	0.69778	0.0265069	0.985522
0.838598	0.0380401	0.75886	0.0912683	0.702056	0.0311756	0.999847
0.854898	0.0439535	0.775262	0.0888096	0.693208	0.0263698	1.00357
0.838285	0.0403687	0.76248	0.0898088	0.697536	0.0263979	1.01301
0.841855	0.0450822	0.759262	0.0860805	0.698726	0.0361966	1.01291
0.84438	0.0369434	0.759837	0.0848015	0.694243	0.0311507	1.00419
0.849254	0.0342205	0.752601	0.0831129	0.694155	0.0261458	1.02123
0.848752	0.0458902	0.759122	0.082373	0.696458	0.0201736	0.999229

0.850698	0.039333	0.755372	0.0833492	0.699124	0.0310885	0.98843
0.840479	0.0396731	0.758216	0.0689831	0.695741	0.0284452	1.00086
0.843469	0.0359548	0.748287	0.0779699	0.688628	0.0256525	1.00632
0.846546	0.039098	0.744384	0.077764	0.686768	0.0340516	0.992557
0.831275	0.0428439	0.766669	0.0889948	0.691812	0.0237556	0.987002
0.833879	0.0401753	0.752488	0.0836813	0.695532	0.0253376	1.00611
0.842216	0.048601	0.751991	0.0824023	0.702011	0.0270836	0.97565
0.834308	0.0489264	0.747929	0.0743534	0.690045	0.0271741	0.982012
0.848004	0.0345427	0.755709	0.0894492	0.692579	0.0257379	0.993897
0.832748	0.0374267	0.756003	0.0817325	0.689247	0.0250636	0.985412
0.834295	0.0359662	0.757052	0.0814349	0.691871	0.0311492	0.987554
0.8285	0.0434347	0.750756	0.090324	0.688852	0.033251	0.976179
0.83892	0.0444121	0.757372	0.0854812	0.694673	0.024009	0.982074
0.834213	0.0368092	0.755834	0.0838391	0.688665	0.0217652	0.982044
0.848231	0.0481967	0.744028	0.078823	0.687473	0.025644	0.982391
0.840758	0.0333417	0.748038	0.0762145	0.683085	0.0269587	0.989911
0.836375	0.0401974	0.740602	0.0796954	0.684688	0.0264757	0.962672
0.837	0.0491307	0.740433	0.0670427	0.683765	0.0249843	0.988446
0.831435	0.0455257	0.752252	0.0733748	0.695193	0.0250323	0.989052
0.823336	0.0392367	0.757627	0.0880767	0.684336	0.0289141	0.966383
0.844217	0.0428871	0.754056	0.0850616	0.687841	0.0299674	0.988633
0.834626	0.0339781	0.749482	0.0825474	0.692437	0.0263481	0.98133
0.820977	0.0456489	0.751893	0.0842839	0.686756	0.0236223	0.9893
0.832424	0.0494099	0.747514	0.0821669	0.683664	0.0326996	0.991356
0.835103	0.0405389	0.745301	0.0790531	0.686959	0.0278028	0.988734
0.841842	0.0490687	0.751951	0.0716439	0.682268	0.0278231	0.979042
0.834478	0.0321205	0.755104	0.0800713	0.682919	0.0271465	1.00373
0.831536	0.0409308	0.743936	0.0860862	0.68318	0.0204316	1.01535
0.829607	0.0469951	0.753107	0.0835957	0.690232	0.0305405	0.987903
0.839029	0.0457984	0.738081	0.0796088	0.684955	0.0170511	0.995297
0.833083	0.0386086	0.752501	0.0801323	0.681625	0.0316106	0.990568
0.828297	0.0341597	0.746173	0.085734	0.679854	0.0230431	0.998897
0.833078	0.0361229	0.743515	0.0868761	0.68362	0.0308558	1.02251
0.8285	0.0342609	0.753235	0.0766919	0.684403	0.0231436	1.01524
0.842399	0.0380671	0.754956	0.0798846	0.680625	0.0222828	1.02048
0.839311	0.0342687	0.758077	0.0858088	0.68766	0.0231338	1.03945
0.843657	0.0384446	0.749745	0.0838562	0.679469	0.0285783	1.04168
0.833385	0.0336941	0.755127	0.0810219	0.678194	0.0273453	1.03671
0.82016	0.0308444	0.752118	0.0810168	0.682189	0.0219686	1.02313
0.841726	0.046134	0.751212	0.0766755	0.68437	0.0269283	1.04384
0.842455	0.0413516	0.761375	0.0831553	0.683583	0.025813	1.05906
0.827631	0.0335236	0.755184	0.0828283	0.684124	0.0222621	1.05177
0.824714	0.0391878	0.759304	0.08703	0.681248	0.0287762	1.04885
0.830326	0.0373922	0.749479	0.0894545	0.68555	0.0259845	1.05046
0.828435	0.0404531	0.750219	0.0838986	0.679222	0.0234373	1.06252
0.82206	0.0451394	0.753951	0.0940546	0.686463	0.0274068	1.05948
0.825563	0.0407062	0.749282	0.0776435	0.679307	0.0233716	1.06082

0.825658	0.0386597	0.748458	0.0810592	0.675879	0.0299834	1.06929
0.824935	0.0356302	0.758154	0.0848329	0.672244	0.0274505	1.04552
0.817907	0.0395812	0.754149	0.0853794	0.683287	0.0341036	1.05346
0.805257	0.0335708	0.754	0.0823324	0.676053	0.0322457	1.04534
0.816671	0.0295689	0.74712	0.0847006	0.675015	0.0282661	1.03937
0.815968	0.042772	0.751255	0.0881886	0.678801	0.0331338	1.02066
0.809455	0.0346701	0.75294	0.0758733	0.667439	0.0240804	1.02289
0.812395	0.037794	0.751902	0.0829328	0.673907	0.0246692	1.02093
0.809081	0.039483	0.746908	0.0830064	0.66796	0.0324558	1.00563
0.816266	0.0410126	0.751915	0.0885602	0.671241	0.0232935	1.01967
0.806826	0.0447412	0.75722	0.0938217	0.664238	0.0263118	0.997414
0.80421	0.0419473	0.750246	0.0890714	0.672513	0.0257943	0.990956
0.802999	0.0340117	0.745323	0.0870138	0.673945	0.0245345	0.989588
0.796246	0.0412301	0.746282	0.0814619	0.670986	0.0240971	0.9851
0.80549	0.0365467	0.744798	0.0823383	0.667133	0.0215928	0.977756
0.803771	0.0461712	0.748338	0.0841383	0.669752	0.0245446	0.961601
0.800426	0.0332329	0.741782	0.0812553	0.663595	0.0212996	0.968869
0.797057	0.0308849	0.75237	0.0857508	0.658196	0.0221678	0.974919
0.79206	0.0370994	0.740037	0.0845546	0.664438	0.0275852	0.945913
0.785618	0.0376571	0.734139	0.0800211	0.662822	0.0273123	0.945732
0.785065	0.0338744	0.734217	0.0810967	0.656889	0.0245335	0.955708
0.795263	0.0414314	0.744698	0.0841562	0.657953	0.0224908	0.93932
0.793077	0.0377466	0.730524	0.0753256	0.649966	0.0274046	0.958892
0.794192	0.0421001	0.736745	0.0778362	0.656601	0.0269177	0.95587
0.783169	0.028723	0.739094	0.0904415	0.65244	0.0261344	0.928793
0.78685	0.0301117	0.731237	0.0805684	0.654708	0.0289357	0.949125
0.778919	0.045914	0.735003	0.0897039	0.653351	0.0260107	0.959145
0.787884	0.030787	0.737207	0.0857049	0.644545	0.0261581	0.953538
0.773412	0.0426539	0.738429	0.077185	0.646603	0.0209794	0.941718
0.785745	0.0506185	0.730174	0.0805476	0.647903	0.0234109	0.943891
0.781002	0.0505028	0.724081	0.0788281	0.651014	0.0239913	0.956998
0.757036	0.0415234	0.723354	0.0780007	0.648255	0.0227642	0.983028
0.773511	0.0469891	0.730283	0.0797259	0.640983	0.0328041	0.948502
0.770256	0.032475	0.719206	0.0681826	0.647186	0.0210487	0.967639
0.767002	0.0327726	0.729588	0.0796526	0.647385	0.028097	0.980438
0.768627	0.0425142	0.724627	0.0813631	0.642634	0.0196635	0.989709
0.764625	0.0396065	0.728265	0.0694427	0.646017	0.0261809	0.99585
0.762762	0.0376237	0.727828	0.08045	0.646924	0.0174005	1.01001
0.763434	0.0479703	0.734785	0.0753034	0.639929	0.0239284	1.02196
0.766899	0.0389631	0.729746	0.075493	0.638999	0.0289283	1.03191
0.753749	0.0400127	0.734033	0.0800045	0.634123	0.0276001	1.03928
0.751424	0.0437233	0.719298	0.076855	0.638564	0.0240001	1.07124
0.759219	0.0417551	0.724189	0.0747195	0.639499	0.0316636	1.06819
0.754418	0.0328176	0.727065	0.0757341	0.638032	0.0188277	1.09198
0.758648	0.0366057	0.724075	0.0673161	0.634491	0.0193622	1.10951
0.747859	0.03344	0.737494	0.0801671	0.634876	0.0223892	1.12602
0.743691	0.0358288	0.727693	0.0745392	0.636828	0.0259215	1.12639

0.747686	0.0348459	0.723219	0.0684382	0.64218	0.0256609	1.14928
0.750112	0.0327794	0.715126	0.0739055	0.638747	0.0216749	1.13131
0.744809	0.0394794	0.72433	0.0691531	0.629723	0.0176872	1.14087
0.746438	0.0346799	0.718809	0.071447	0.629433	0.0242888	1.16072
0.732498	0.0431975	0.717122	0.0733727	0.628465	0.0229791	1.16258
0.736583	0.0394093	0.722596	0.0754474	0.630136	0.017723	1.16346
0.734938	0.0380376	0.714446	0.067822	0.630273	0.0198326	1.14189
0.733256	0.0360894	0.711265	0.065246	0.624361	0.0242521	1.14423
0.733258	0.0379431	0.714533	0.0669621	0.62682	0.0226309	1.14109
0.730751	0.0328783	0.701786	0.0703251	0.625511	0.0253043	1.11414
0.739689	0.0355194	0.709804	0.0660481	0.625334	0.0239826	1.1029
0.747122	0.0420051	0.709313	0.0755712	0.628296	0.0184486	1.10315
0.738511	0.0301019	0.704076	0.0708757	0.621802	0.0226274	1.10417
0.735766	0.0424107	0.699742	0.0687401	0.624912	0.0268837	1.06636
0.719198	0.0322756	0.705685	0.0714102	0.621073	0.0243621	1.08519
0.728386	0.0339125	0.709119	0.0720991	0.621815	0.0241458	1.08389
0.723433	0.037033	0.705671	0.0691752	0.622531	0.01532	1.0895
0.729049	0.0341901	0.712302	0.0763456	0.627519	0.0155805	1.08195
0.714672	0.0294171	0.709547	0.0722268	0.625239	0.0206732	1.08232
0.73132	0.0391078	0.722338	0.0664469	0.620262	0.0193316	1.08603
0.730561	0.0337336	0.719872	0.079288	0.627074	0.0285975	1.0939
0.721762	0.0359656	0.755779	0.0815532	0.631445	0.0243965	1.12916
0.710792	0.037101	0.755805	0.0958036	0.639595	0.0261488	1.13636
0.718703	0.0346457	0.761948	0.0948172	0.642864	0.0178237	1.17701
0.729363	0.0377169	0.781665	0.108151	0.658261	0.0248233	1.20445
0.710576	0.0406256	0.794135	0.099376	0.665879	0.026188	1.24548
0.724276	0.0346723	0.805401	0.123186	0.67681	0.0237303	1.33753
0.725914	0.0364443	0.831074	0.138421	0.676028	0.0270242	1.42618
0.726804	0.0311733	0.852404	0.136987	0.690814	0.0293292	1.52736
0.73818	0.0334408	0.868738	0.153976	0.687827	0.0255392	1.6628
0.735685	0.0449901	0.876392	0.150301	0.711304	0.0291339	1.85093
0.739028	0.0442798	0.905673	0.16318	0.714815	0.0288643	2.10893
0.750783	0.0415977	0.906236	0.163825	0.72281	0.0359531	2.36145
0.739918	0.0343087	0.925237	0.166909	0.733119	0.0309053	2.72176
0.743519	0.0387593	0.942438	0.189027	0.742868	0.0331614	3.2249
0.744245	0.0405671	0.939159	0.188828	0.751805	0.0350246	3.77616
0.745565	0.0296239	0.934928	0.175309	0.748469	0.0346737	4.35815
0.742393	0.0383868	0.947725	0.178176	0.752844	0.0293195	5.10259
0.750577	0.0340317	0.942869	0.184649	0.751573	0.0364931	6.00072
0.753851	0.0384571	0.932918	0.182092	0.751382	0.0270949	6.85881
0.738608	0.0320571	0.910807	0.174765	0.738866	0.0267356	7.97525
0.743537	0.0382348	0.902172	0.168839	0.744829	0.0317572	9.15766
0.734513	0.039927	0.903372	0.183615	0.739332	0.0295949	10.4108
0.737462	0.0331416	0.887023	0.162968	0.735849	0.0320166	11.69
0.732495	0.0369019	0.885289	0.1597	0.729349	0.0245465	12.934
0.732133	0.0382046	0.865427	0.16748	0.732734	0.0297742	14.293
0.712374	0.0290937	0.855914	0.183598	0.724037	0.0249492	15.4947

0.724592	0.0406875	0.849209	0.182693	0.721315	0.0246897	16.6514
0.713781	0.0276943	0.831647	0.185818	0.716888	0.0289356	17.6194
0.699677	0.0386789	0.826746	0.182289	0.718804	0.0329662	18.5174
0.703071	0.0356178	0.832983	0.194977	0.702991	0.0373228	19.2301
0.704591	0.0387725	0.809462	0.177388	0.69945	0.0327313	19.7861
0.690454	0.0260051	0.79719	0.188334	0.698019	0.0288447	19.9108
0.682903	0.0394224	0.790752	0.200675	0.702785	0.0319859	19.9456
0.688745	0.0310815	0.784081	0.176859	0.696859	0.0253275	19.6697
0.680676	0.0356054	0.772915	0.171676	0.675152	0.0285855	19.0416
0.67357	0.0396407	0.754436	0.16982	0.679877	0.0286356	18.4268
0.679237	0.0360753	0.744211	0.147853	0.669471	0.0298475	17.4087
0.667754	0.042197	0.733195	0.151784	0.653461	0.0300205	16.2454
0.665785	0.0337319	0.726888	0.131735	0.65221	0.022735	15.0644
0.663807	0.0331811	0.715625	0.134607	0.644678	0.0332739	13.7368
0.667833	0.0343418	0.70541	0.123093	0.637838	0.0303985	12.4629
0.670583	0.0285583	0.688001	0.105763	0.619389	0.0263769	11.0974
0.66528	0.0287997	0.68204	0.094568	0.62252	0.0239757	9.85888
0.650799	0.0415258	0.682779	0.0883349	0.610292	0.0240986	8.54868
0.664775	0.0356457	0.663897	0.076942	0.60255	0.0244727	7.42176
0.661938	0.0261695	0.664949	0.0751326	0.596611	0.0286461	6.40743
0.664496	0.0409443	0.661744	0.0723697	0.591498	0.0172249	5.41277
0.663474	0.0364521	0.652634	0.0636212	0.578307	0.0233367	4.60072
0.654036	0.0366044	0.643516	0.0609519	0.582717	0.018595	3.87436
0.654275	0.0357727	0.640515	0.0638706	0.569322	0.0255036	3.24846
0.64794	0.0331241	0.632877	0.0615648	0.582413	0.0231746	2.75451
0.648437	0.0330404	0.631078	0.0503339	0.568815	0.0223753	2.34713
0.64517	0.0295818	0.626496	0.0551879	0.560817	0.0179258	1.97609
0.639766	0.0319626	0.623867	0.0550159	0.559627	0.0180242	1.72792
0.644024	0.0388813	0.632668	0.0592187	0.55616	0.0222186	1.51612
0.648865	0.029835	0.615777	0.052055	0.556851	0.0217917	1.35475
0.639032	0.0378634	0.617149	0.0449052	0.54975	0.0238493	1.22993
0.642343	0.0358957	0.602195	0.0517908	0.550632	0.024473	1.1115
0.645051	0.0320855	0.610354	0.0589274	0.541489	0.0210899	1.06625
0.640542	0.0328498	0.596479	0.0509776	0.541647	0.0163035	0.978749
0.633393	0.0313291	0.605792	0.0573135	0.540513	0.019801	0.98021
0.62859	0.034828	0.596228	0.0548478	0.54343	0.0170563	0.958205
0.635022	0.0365342	0.596774	0.0490531	0.530204	0.0239378	0.936563
0.625513	0.034567	0.603644	0.0510916	0.535502	0.0214428	0.932248
0.633564	0.0424712	0.588308	0.0542987	0.535178	0.02105	0.909832
0.628083	0.038744	0.594361	0.0587719	0.53717	0.0197314	0.915826
0.624813	0.0324154	0.589111	0.0591209	0.52771	0.0208022	0.929077
0.619539	0.0343992	0.586629	0.0481403	0.533067	0.0274892	0.943794
0.606679	0.0299114	0.577892	0.0516572	0.535807	0.0162889	0.937044
0.614601	0.0374819	0.583531	0.0546829	0.527536	0.0264317	0.960615
0.625925	0.0317952	0.58375	0.0462009	0.535477	0.0263291	0.992792
0.622233	0.0292699	0.591554	0.0502923	0.542041	0.0203571	1.01302
0.621663	0.029896	0.582961	0.0529576	0.531841	0.0237867	1.07792

0.620508	0.039744	0.596248	0.0549721	0.543153	0.0193075	1.10778
0.614682	0.0334725	0.587777	0.0452224	0.539274	0.0197647	1.1901
0.609719	0.025528	0.593574	0.0509285	0.551105	0.018239	1.25518
0.613734	0.0296645	0.600772	0.0571594	0.56053	0.0239728	1.36526
0.59804	0.0348238	0.596632	0.0559654	0.560607	0.0220581	1.47078
0.618982	0.0294414	0.601026	0.0496656	0.569074	0.0225895	1.60108
0.602109	0.0292139	0.608787	0.0562048	0.579576	0.0254877	1.7815
0.607041	0.0342343	0.618276	0.0562014	0.58984	0.0250529	1.96471
0.60642	0.0335709	0.617727	0.0614559	0.605095	0.0218077	2.16063
0.606957	0.0298983	0.622461	0.0619909	0.609842	0.0200211	2.44111
0.613392	0.0307011	0.631775	0.0553196	0.620486	0.0262991	2.70057
0.60149	0.0306966	0.637709	0.0569245	0.625527	0.0228424	2.99544
0.603475	0.0393442	0.633364	0.0691568	0.638452	0.0192358	3.32111
0.611593	0.0296038	0.656142	0.0596698	0.645767	0.0227322	3.65218
0.61281	0.0297517	0.648407	0.0681567	0.659877	0.0332556	4.02041
0.614398	0.0310258	0.655743	0.0745524	0.656985	0.0238707	4.39351
0.593953	0.0301143	0.660074	0.0790826	0.665453	0.0271433	4.70981
0.609395	0.0327554	0.661361	0.0818789	0.671237	0.0274619	5.06449
0.608117	0.0324191	0.663163	0.0793838	0.672053	0.025753	5.4101
0.61434	0.0283861	0.652426	0.0834511	0.677183	0.0261565	5.67749
0.605251	0.039904	0.661119	0.0777708	0.674386	0.0232831	5.92372
0.609052	0.0264609	0.65875	0.0799503	0.664594	0.02232	6.12288
0.609565	0.0261956	0.648183	0.0789853	0.659947	0.0222867	6.26816
0.59914	0.0351034	0.642011	0.078528	0.656922	0.0259684	6.32932
0.600031	0.0340094	0.647753	0.0807222	0.647124	0.0241592	6.35545
0.597082	0.0289319	0.632436	0.0897514	0.634078	0.0213865	6.31338
0.59975	0.0371901	0.619723	0.0753907	0.621902	0.0301133	6.14225
0.59224	0.0309263	0.61659	0.0792393	0.609553	0.0219439	5.9413
0.597002	0.0304517	0.604207	0.0713427	0.595348	0.022154	5.66514
0.608273	0.0305447	0.605137	0.0693262	0.596438	0.0214175	5.3918
0.60161	0.028748	0.603013	0.0629592	0.586642	0.021806	5.02486
0.588488	0.0331903	0.586905	0.0708599	0.572361	0.0228293	4.69165
0.597193	0.0282843	0.583625	0.0645817	0.551619	0.0230587	4.2813
0.594522	0.0427784	0.568334	0.0524075	0.540237	0.0277448	3.91646
0.593506	0.0324615	0.566475	0.0568623	0.539734	0.0184303	3.51161
0.592461	0.0319687	0.566968	0.054817	0.527073	0.0252717	3.14936
0.58575	0.0314932	0.554559	0.046988	0.515377	0.0253253	2.82189
0.587034	0.0360401	0.555491	0.0501238	0.510168	0.0231998	2.52594
0.58191	0.0306646	0.555895	0.0488575	0.508161	0.017746	2.19163
0.5894	0.029097	0.540405	0.0482158	0.502149	0.0209656	1.9357
0.584979	0.0356675	0.546107	0.0410864	0.501401	0.0192098	1.69319
0.578005	0.0240229	0.54062	0.0464164	0.503664	0.0198472	1.49548
0.587613	0.0299813	0.535916	0.0420626	0.491831	0.0176484	1.33914
0.574736	0.0330834	0.534618	0.0389236	0.495323	0.0181018	1.19083
0.580404	0.0252783	0.534459	0.0445016	0.488674	0.0176775	1.08747
0.579819	0.0291071	0.529715	0.0501465	0.485496	0.0171217	0.976335
0.581624	0.0315587	0.537392	0.0442005	0.484122	0.0205107	0.873897

0.589563	0.0253373	0.529009	0.0453839	0.480207	0.0201236	0.824656
0.584381	0.0320799	0.52544	0.0435471	0.48043	0.0164074	0.799983
0.569007	0.0275484	0.533882	0.0485008	0.482525	0.020327	0.742294
0.573777	0.0308751	0.530613	0.044285	0.482783	0.015954	0.724025
0.569933	0.0381553	0.520676	0.0413471	0.484451	0.0205903	0.693485
0.571889	0.027839	0.526934	0.0401845	0.486831	0.0199457	0.683843
0.569986	0.0246392	0.527039	0.0382143	0.483226	0.0227057	0.685132
0.57006	0.0299981	0.531536	0.0483228	0.478115	0.0197927	0.669163
0.566935	0.0291506	0.524828	0.0368536	0.478388	0.0172519	0.680042
0.571812	0.0373532	0.531839	0.0424754	0.477432	0.0197527	0.664942
0.56695	0.0341429	0.52083	0.0401548	0.475035	0.0204272	0.688814
0.574429	0.037602	0.519195	0.0432336	0.480238	0.0156208	0.670131
0.568419	0.0308518	0.524907	0.0392914	0.479423	0.0221413	0.65997
0.565168	0.0362642	0.520634	0.0462192	0.477552	0.0160699	0.672836
0.572088	0.0308017	0.526279	0.0408813	0.480002	0.0212488	0.669566
0.572505	0.0247762	0.530804	0.0511775	0.476006	0.0212077	0.684012
0.575143	0.036004	0.525998	0.0370907	0.477457	0.0184031	0.675455
0.568843	0.0284158	0.526204	0.0363077	0.472365	0.0219761	0.69468
0.570164	0.0264156	0.515405	0.0392834	0.482979	0.0207571	0.704468
0.570641	0.0311307	0.526213	0.035758	0.478818	0.0189188	0.689886
0.567125	0.0322773	0.527389	0.0313657	0.485167	0.0178833	0.710064
0.579777	0.0284526	0.52375	0.0410753	0.4867	0.0206228	0.711096
0.584805	0.0296736	0.527475	0.0412664	0.489769	0.0212398	0.734439
0.593259	0.0269557	0.5244	0.047902	0.491853	0.0207333	0.742899
0.596197	0.0293207	0.545304	0.0440849	0.503384	0.0209922	0.748141
0.609112	0.0428777	0.541754	0.0407442	0.516451	0.0248607	0.772615
0.620558	0.0300785	0.546754	0.0468355	0.522708	0.0212328	0.78676
0.642015	0.0398168	0.563838	0.046337	0.544748	0.0242525	0.781597
0.667338	0.0307963	0.578769	0.0473522	0.562022	0.0264694	0.866774
0.689825	0.0375692	0.594012	0.0426692	0.591712	0.0376976	0.860003
0.754784	0.0469969	0.611478	0.0560389	0.620869	0.0302461	0.908624
0.794788	0.0574424	0.640988	0.05164	0.651031	0.0408739	0.967646
0.845547	0.0570102	0.662945	0.0637403	0.695636	0.0394708	0.998702
0.931309	0.0678012	0.678811	0.0625835	0.731793	0.0456525	1.05547
1.02711	0.0738474	0.712819	0.0683656	0.778227	0.0527896	1.10576
1.11775	0.0870677	0.742222	0.0826584	0.832758	0.0693591	1.15654
1.24148	0.0885916	0.773291	0.0873106	0.891669	0.077141	1.20823
1.37005	0.104781	0.815055	0.0955848	0.943429	0.0758064	1.25921
1.51808	0.118082	0.845891	0.0959571	1.00546	0.0907785	1.31178
1.69648	0.139804	0.876272	0.107538	1.06921	0.0971614	1.35878
1.87414	0.158274	0.917807	0.114419	1.12753	0.0962622	1.43269
2.03117	0.179235	0.948869	0.116559	1.18491	0.114925	1.43442
2.22872	0.196784	0.963829	0.130755	1.2321	0.128214	1.48362
2.42686	0.212458	0.982133	0.126764	1.28585	0.13516	1.50973
2.56792	0.242895	1.0074	0.12886	1.31245	0.136812	1.55548
2.76836	0.262607	1.01818	0.122852	1.3499	0.130513	1.51722
2.95114	0.283023	1.02751	0.139349	1.37036	0.1446	1.51346

3.08097	0.273188	1.02621	0.14042	1.39989	0.151167	1.48044
3.20692	0.285975	1.02436	0.135656	1.38908	0.138281	1.47822
3.33998	0.305627	1.01065	0.134749	1.36943	0.155568	1.45569
3.3747	0.31093	0.985875	0.132486	1.34267	0.135805	1.42903
3.44085	0.331503	0.956454	0.100633	1.31143	0.137208	1.37162
3.43042	0.31145	0.938573	0.120026	1.27714	0.138834	1.31633
3.36867	0.331777	0.913562	0.104015	1.22756	0.112724	1.26981
3.32149	0.322542	0.871157	0.0951285	1.16662	0.119221	1.18034
3.21567	0.294367	0.830437	0.0823338	1.10752	0.105897	1.13848
3.08892	0.266367	0.795401	0.0891119	1.04228	0.100368	1.09815
2.94177	0.269756	0.756469	0.0782539	0.985139	0.0922952	1.00533
2.78912	0.267491	0.725555	0.0764785	0.923947	0.0839511	0.955422
2.58594	0.226465	0.680757	0.0601226	0.856598	0.0616258	0.886144
2.39791	0.220079	0.656952	0.0575085	0.790916	0.0614877	0.837097
2.23152	0.199131	0.630683	0.0478254	0.742868	0.0518916	0.802682
2.01156	0.173751	0.607303	0.0416708	0.684806	0.0372444	0.750993
1.83504	0.160404	0.588788	0.0382569	0.641523	0.0341236	0.727158
1.6425	0.159776	0.557099	0.0443416	0.612161	0.0336355	0.701454
1.47125	0.115277	0.552194	0.0414544	0.573761	0.0276664	0.669257
1.30639	0.0863896	0.532319	0.0347525	0.541807	0.025394	0.640288
1.18545	0.0879692	0.513413	0.0364114	0.518881	0.0238533	0.628912
1.07001	0.0754804	0.496009	0.0329285	0.49459	0.0227296	0.617881
0.96032	0.0553705	0.50123	0.0298411	0.483987	0.0221971	0.608833
0.866156	0.0558392	0.490525	0.0276905	0.465255	0.0251402	0.592432
0.791763	0.0448238	0.487603	0.0422787	0.453376	0.0237981	0.588683
0.708699	0.036652	0.485144	0.0337481	0.443459	0.0194136	0.572375
0.665438	0.0376188	0.476792	0.0304425	0.438623	0.0191527	0.571554
0.629585	0.0417429	0.472174	0.0355851	0.431025	0.0178432	0.571727
0.596897	0.0328971	0.459925	0.0281929	0.429924	0.0182529	0.569337
0.573365	0.0277303	0.467407	0.0342654	0.427622	0.0178258	0.57234
0.537057	0.0353449	0.468777	0.0345064	0.422352	0.0148654	0.569101
0.525711	0.0301985	0.46577	0.0410903	0.419975	0.0151795	0.580774
0.509527	0.0298111	0.45796	0.0372953	0.41822	0.0157281	0.557806
0.506275	0.0291974	0.461558	0.0289495	0.414966	0.0199121	0.566791
0.496285	0.035569	0.456697	0.0318028	0.4168	0.0209632	0.569126
0.48673	0.026952	0.447552	0.0321349	0.412803	0.0176571	0.552421
0.491151	0.0220831	0.461108	0.029552	0.409258	0.0178475	0.567158
0.495678	0.0324598	0.452107	0.032946	0.406598	0.0178461	0.556756
0.480039	0.0227731	0.457895	0.0322302	0.404858	0.0141529	0.552035
0.477471	0.0241979	0.45114	0.0318616	0.404667	0.0171891	0.575312
0.478648	0.0287182	0.448096	0.0287022	0.404529	0.018679	0.551822
0.47481	0.0312918	0.441572	0.0312753	0.401741	0.0224681	0.54929
0.474828	0.0255929	0.446133	0.0227668	0.406682	0.0187688	0.556181
0.471292	0.026936	0.440352	0.0247691	0.407912	0.0125779	0.547841
0.461825	0.0343717	0.447146	0.0319876	0.406576	0.0196698	0.560443
0.466353	0.0267699	0.453629	0.0347057	0.409913	0.0203471	0.54141
0.460746	0.0286394	0.444677	0.0361365	0.40415	0.0184981	0.544383

0.464268	0.0283781	0.44573	0.0335984	0.402906	0.0135638	0.549983
0.467135	0.026792	0.443079	0.0292813	0.4	0.0131973	0.539933
0.457713	0.0275041	0.448479	0.0311479	0.406094	0.022215	0.534689
0.46725	0.0250168	0.445609	0.0277698	0.40164	0.0197579	0.530854
0.459912	0.0247551	0.454575	0.027824	0.40047	0.0160269	0.534535
0.449109	0.0261545	0.455173	0.0356867	0.407038	0.0206433	0.518729
0.459394	0.0288714	0.452974	0.0361686	0.398538	0.0143205	0.527501
0.461332	0.0276065	0.450527	0.0331936	0.402223	0.0198894	0.527125
0.454717	0.0230333	0.453409	0.0358462	0.399002	0.0191991	0.528463
0.460029	0.0298299	0.462468	0.0353554	0.403671	0.0209461	0.518777
0.455058	0.0258198	0.463156	0.0321281	0.410298	0.0157509	0.533135
0.455738	0.0324506	0.462059	0.029978	0.409772	0.0209279	0.528831
0.458927	0.024397	0.468595	0.0350907	0.415834	0.0199825	0.521193
0.46657	0.0273751	0.466147	0.0282314	0.415295	0.0238987	0.516082
0.460982	0.0245355	0.4618	0.036094	0.413495	0.015086	0.510819
0.45933	0.0300135	0.461151	0.0347651	0.420836	0.0170124	0.51446
0.457775	0.0274367	0.461147	0.0355579	0.416495	0.016722	0.532657
0.455296	0.0235804	0.460744	0.0322535	0.42427	0.0172214	0.508531
0.454438	0.0274683	0.462905	0.03063	0.426901	0.0165026	0.527196
0.454822	0.0306505	0.460953	0.0290026	0.426163	0.0176957	0.510385
0.447171	0.0223377	0.451233	0.0292941	0.428292	0.0200139	0.527835
0.450297	0.0230173	0.458857	0.0266351	0.42715	0.0226283	0.534738
0.447978	0.0234843	0.447216	0.0308956	0.43179	0.0155308	0.531475
0.44849	0.0191251	0.445017	0.0297537	0.436677	0.0180693	0.522591
0.439888	0.0284899	0.449031	0.0299489	0.431352	0.0179968	0.537332
0.444822	0.0291303	0.440165	0.0319653	0.430728	0.0239315	0.52641
0.444286	0.0232663	0.452021	0.0352505	0.441814	0.0186116	0.527584
0.448896	0.025368	0.45058	0.0320641	0.438549	0.0219439	0.535206
0.446733	0.0262391	0.433055	0.0245267	0.444919	0.0172201	0.535427
0.448952	0.0316397	0.43455	0.0259569	0.440354	0.0158394	0.524137
0.438856	0.0256272	0.438909	0.0271416	0.4431	0.0201687	0.530618
0.430536	0.0234954	0.430862	0.0316588	0.445726	0.0195846	0.526469
0.433829	0.0220303	0.44081	0.0301192	0.442375	0.0188333	0.538802
0.446647	0.0299802	0.429213	0.0298737	0.444257	0.0256246	0.532415
0.428597	0.0298484	0.433507	0.0322583	0.442887	0.0172371	0.524664
0.43277	0.0308257	0.434804	0.0343242	0.440547	0.0173015	0.532001
0.431558	0.0233478	0.420173	0.028211	0.442825	0.0208971	0.530249
0.429473	0.0268805	0.426084	0.0288286	0.435989	0.0211324	0.520471
0.430543	0.0262861	0.416297	0.0204009	0.431914	0.018096	0.526004
0.429612	0.0299126	0.414131	0.0353871	0.422874	0.0190701	0.50621
0.432457	0.0221065	0.415197	0.0322332	0.420474	0.0182175	0.534534
0.42918	0.0247558	0.417213	0.0252988	0.417662	0.0122951	0.526074
0.433287	0.0211033	0.41481	0.0205661	0.408779	0.0126309	0.517439
0.422265	0.0291305	0.411228	0.0279494	0.411051	0.0201222	0.503301
0.426941	0.0249578	0.403551	0.0332775	0.400942	0.0147351	0.49242
0.421887	0.0206214	0.406789	0.0263897	0.391774	0.0160697	0.509823
0.426264	0.0257914	0.398097	0.0282741	0.38851	0.0149234	0.484627

0.41676	0.0268354	0.39936	0.0294571	0.384151	0.0193837	0.498425
0.421209	0.020349	0.400008	0.0241821	0.384807	0.0148081	0.495916
0.417547	0.0273405	0.396981	0.0327569	0.379624	0.0187437	0.473071
0.421017	0.0258252	0.391072	0.0299095	0.368199	0.0184375	0.484358
0.416177	0.0242499	0.395391	0.0279784	0.370146	0.0178655	0.470872
0.411402	0.032982	0.388369	0.0191231	0.364004	0.0158059	0.469748
0.412767	0.0320025	0.386457	0.0302409	0.363875	0.0142398	0.482686
0.414777	0.0273483	0.390196	0.0221356	0.363519	0.020292	0.470264
0.411709	0.0206306	0.387957	0.0295484	0.360907	0.0182947	0.478936
0.415038	0.027779	0.389876	0.0279417	0.357785	0.0167071	0.474933
0.403879	0.0324922	0.384699	0.0298785	0.356204	0.0143909	0.483068
0.405351	0.0269945	0.383516	0.0260367	0.354213	0.0180597	0.455878
0.406875	0.0245078	0.373106	0.0217247	0.351504	0.0156729	0.459289
0.407713	0.021255	0.378723	0.0235752	0.34851	0.0192152	0.463278
0.400086	0.0241934	0.37175	0.0162644	0.353525	0.014827	0.459746
0.399691	0.0237797	0.375303	0.0246921	0.348863	0.0153023	0.4461
0.411241	0.0279025	0.374814	0.0283775	0.348893	0.0168292	0.463354
0.400062	0.0235072	0.370103	0.0262242	0.349793	0.0135764	0.445783
0.399545	0.0298336	0.366164	0.0231011	0.342725	0.0195254	0.448113
0.402075	0.0193604	0.364866	0.0296898	0.342594	0.0140024	0.451382
0.395129	0.0294175	0.363019	0.0209717	0.333897	0.0144009	0.454423
0.392696	0.023487	0.364666	0.0284044	0.336504	0.017038	0.445679
0.388081	0.0201332	0.360095	0.0247132	0.336044	0.0138537	0.438064
0.383301	0.0234168	0.364268	0.0260682	0.33645	0.0185271	0.455674
0.384514	0.0259593	0.360905	0.0246477	0.331843	0.0147678	0.455143
0.383478	0.0243364	0.353309	0.0300634	0.334024	0.0177825	0.450816
0.390956	0.0201808	0.359639	0.0214211	0.32672	0.0149284	0.44354
0.38649	0.028489	0.355569	0.019179	0.327954	0.0176358	0.440393
0.383669	0.0228458	0.354969	0.0188604	0.329143	0.0169686	0.425687
0.386343	0.024239	0.357817	0.0214076	0.324859	0.011571	0.428787
0.380068	0.0222764	0.348366	0.0232475	0.327199	0.0135231	0.429706
0.377566	0.0268287	0.357513	0.0218038	0.327696	0.0158422	0.437475
0.380191	0.0248201	0.350646	0.0254279	0.326269	0.013864	0.438539
0.378618	0.0205123	0.348517	0.0260842	0.323946	0.0170505	0.433899
0.381004	0.0180105	0.353033	0.0259264	0.324282	0.0129055	0.437607
0.378779	0.020012	0.354302	0.0266583	0.327375	0.0169762	0.443514
0.36375	0.0186736	0.350417	0.0201617	0.322353	0.0154777	0.422961
0.374134	0.0216623	0.347677	0.0182801	0.325434	0.018709	0.435805
0.370352	0.0260606	0.346413	0.0213956	0.323016	0.0161187	0.431045
0.371657	0.026431	0.353314	0.0258247	0.32384	0.0161862	0.43657
0.361418	0.023488	0.350003	0.0203981	0.324543	0.0165774	0.429246
0.36631	0.0250857	0.355366	0.0237927	0.328706	0.0156096	0.42496
0.368611	0.022338	0.359108	0.0233109	0.336022	0.0169089	0.441032
0.372983	0.0247618	0.353636	0.0262258	0.334969	0.016741	0.439477
0.373695	0.0203167	0.361711	0.023256	0.337345	0.0149603	0.432867
0.372565	0.0238763	0.364187	0.0292382	0.341803	0.015345	0.440617
0.367507	0.0252263	0.372445	0.0283031	0.347526	0.0186873	0.460382

0.373101	0.0273198	0.371106	0.0279312	0.350389	0.0186788	0.460806
0.372747	0.0227219	0.381592	0.028381	0.360717	0.0155083	0.470588
0.374305	0.0237585	0.396778	0.0320446	0.368679	0.0170051	0.47361
0.385034	0.028005	0.406476	0.0309305	0.377006	0.0158336	0.481107
0.382458	0.026142	0.405125	0.0329599	0.398271	0.0162245	0.50555
0.387572	0.022275	0.41799	0.0365811	0.407015	0.0170719	0.509076
0.390933	0.0248179	0.424168	0.04066	0.421487	0.0157775	0.513595
0.393666	0.0231348	0.445936	0.0431036	0.44217	0.0198121	0.544598
0.403038	0.0248605	0.457763	0.0484866	0.459342	0.0261641	0.557364
0.412109	0.0293871	0.468915	0.048262	0.472039	0.0189555	0.559018
0.422185	0.0243386	0.479725	0.0518964	0.492576	0.0189174	0.593498
0.438379	0.0236905	0.494206	0.0631042	0.517385	0.0223507	0.607107
0.44605	0.0311423	0.514799	0.0580688	0.532266	0.0151618	0.611955
0.457509	0.030931	0.526565	0.0629657	0.553971	0.0222865	0.635754
0.482695	0.0248145	0.540793	0.0758684	0.574643	0.0214618	0.6613
0.492618	0.0331723	0.554153	0.0665572	0.5917	0.0237729	0.672975
0.517868	0.0280956	0.563491	0.0778713	0.613373	0.0285312	0.701737
0.550447	0.0301159	0.576489	0.0681481	0.631762	0.0318014	0.703903
0.567068	0.0416313	0.588484	0.0701704	0.641743	0.0259183	0.706512
0.599097	0.0285495	0.589085	0.0683531	0.656873	0.0313818	0.724015
0.634362	0.0391401	0.588654	0.0671515	0.675727	0.0327963	0.723274
0.667313	0.0428992	0.586271	0.0760226	0.67239	0.026418	0.726437
0.691694	0.0380604	0.58316	0.0690281	0.684147	0.0319127	0.713357
0.739457	0.0502417	0.590378	0.0717178	0.689146	0.0360915	0.725761
0.758465	0.0459265	0.581359	0.077765	0.679632	0.0295235	0.698522
0.787311	0.0473008	0.573979	0.0608476	0.673907	0.0236784	0.727899
0.814967	0.0406562	0.565541	0.0702577	0.663436	0.0301339	0.702997
0.846948	0.0578279	0.548886	0.0577082	0.652603	0.0362848	0.707964
0.865456	0.0513862	0.537688	0.0533707	0.63547	0.0258986	0.671476
0.879251	0.0628924	0.522067	0.0471196	0.615043	0.0280215	0.654165
0.894939	0.0611724	0.500567	0.0460074	0.603712	0.0296525	0.624571
0.903477	0.0581665	0.494213	0.0412052	0.579377	0.0272789	0.620182
0.896992	0.0692615	0.473201	0.0422399	0.557557	0.0312242	0.594417
0.893701	0.0633693	0.457416	0.0314412	0.540994	0.0258737	0.569904
0.878145	0.0576213	0.443713	0.0365546	0.514235	0.0273159	0.555993
0.860963	0.0551546	0.425245	0.0299615	0.482806	0.0193363	0.531561
0.842802	0.0663398	0.409666	0.0355294	0.460869	0.0205565	0.505132
0.811444	0.0547667	0.399808	0.0295306	0.447807	0.0238067	0.492208
0.78513	0.0595718	0.382475	0.0234908	0.419298	0.020143	0.470888
0.750425	0.0570436	0.371953	0.0152138	0.399249	0.0172037	0.462291
0.713574	0.0514614	0.361065	0.0246954	0.391015	0.0215668	0.440067
0.683845	0.0378127	0.352008	0.0252994	0.371178	0.0187227	0.430989
0.634551	0.0507087	0.34189	0.0189318	0.353336	0.0228171	0.424402
0.601395	0.039391	0.34211	0.0303332	0.350046	0.0143282	0.41805
0.585071	0.0389024	0.334003	0.0195048	0.335526	0.0170213	0.402572
0.54545	0.0333785	0.32845	0.0251455	0.330156	0.0175537	0.407153
0.518376	0.0328267	0.321969	0.019798	0.315474	0.0154344	0.409577

0.495429	0.0273562	0.323996	0.0252299	0.316726	0.0168537	0.406828
0.470301	0.0297434	0.316517	0.023792	0.311022	0.0168535	0.387461
0.444803	0.0247156	0.315926	0.025141	0.309344	0.0210127	0.390184
0.433332	0.036724	0.316907	0.0195148	0.304958	0.0104925	0.388948
0.420973	0.0250667	0.310027	0.0230787	0.303111	0.0113705	0.383744
0.407953	0.034263	0.312031	0.0243748	0.302774	0.0129783	0.3908
0.406882	0.0233342	0.304384	0.0175278	0.295838	0.0147579	0.391398
0.399343	0.0295255	0.313116	0.0224096	0.297754	0.0159275	0.391301
0.390484	0.0243817	0.310749	0.0222453	0.296615	0.0182349	0.376526
0.379143	0.0262167	0.311588	0.02109	0.290512	0.0163451	0.382768
0.383608	0.0248558	0.300284	0.0205372	0.292673	0.0120241	0.375931
0.379453	0.0244322	0.303458	0.0238919	0.289224	0.0145434	0.367125
0.370782	0.0258836	0.298525	0.0225769	0.288329	0.0171424	0.370066
0.372391	0.026099	0.296751	0.0222386	0.282395	0.0142138	0.370324
0.364336	0.0270242	0.299338	0.0200882	0.282617	0.016611	0.366802
0.351734	0.024795	0.302361	0.0204555	0.283508	0.0173629	0.363711
0.352457	0.0249939	0.30109	0.0184389	0.285317	0.0177184	0.365954
0.353244	0.022364	0.296815	0.0206117	0.273842	0.0138342	0.37024
0.341526	0.0243206	0.292637	0.0173581	0.274783	0.013893	0.364688
0.341346	0.0234739	0.296769	0.0223972	0.277553	0.0155967	0.373243
0.344861	0.0213764	0.289373	0.0186873	0.276121	0.0155281	0.357431
0.329023	0.0245757	0.292838	0.018996	0.267467	0.0131609	0.368785
0.327122	0.0235436	0.293197	0.0224255	0.265498	0.0135769	0.359529
0.313202	0.0197215	0.29208	0.0194603	0.265898	0.0141002	0.358981
0.317661	0.0191942	0.29044	0.0166819	0.268474	0.0141549	0.344414
0.312922	0.0261367	0.288178	0.0188223	0.268206	0.0165416	0.355978
0.306693	0.0220535	0.290739	0.0184721	0.26431	0.0148252	0.357948
0.306369	0.0243737	0.283141	0.0232214	0.263489	0.0110044	0.353782
0.304682	0.0215716	0.28579	0.0194251	0.265134	0.0169254	0.355003
0.295589	0.0186517	0.280449	0.0177733	0.258599	0.0136566	0.353974
0.287162	0.0258775	0.280293	0.0210475	0.255546	0.0153423	0.351172
0.296714	0.0209079	0.279489	0.0203061	0.257566	0.0116739	0.358061
0.294479	0.0192243	0.286867	0.0199123	0.258793	0.01149	0.357117
0.288366	0.0208972	0.28008	0.0183879	0.260148	0.0121742	0.353041
0.292331	0.0235089	0.277779	0.018558	0.25552	0.0111247	0.353493
0.293592	0.021106	0.281663	0.0215032	0.259922	0.0150564	0.360668
0.286132	0.0147861	0.280999	0.024556	0.260046	0.013033	0.345433
0.287881	0.0229284	0.277772	0.0209642	0.255709	0.0122067	0.346094
0.283464	0.0210654	0.282026	0.0153962	0.258439	0.010954	0.334144
0.28629	0.0254145	0.283658	0.0242186	0.256848	0.00922117	0.353049
0.2804	0.0190923	0.279639	0.0177952	0.259559	0.0158335	0.34509
0.28157	0.0230214	0.275144	0.0229916	0.26185	0.0157154	0.352896
0.283389	0.020536	0.275533	0.0148286	0.255736	0.0124974	0.361903
0.286848	0.0219463	0.275803	0.02021	0.256361	0.0142218	0.35531
0.276703	0.0203844	0.276887	0.0214737	0.256012	0.0152786	0.350449
0.279708	0.0231304	0.272893	0.0187178	0.260718	0.013051	0.344431
0.285129	0.0159699	0.280602	0.0179683	0.260765	0.0117901	0.343951

0.277747	0.014617	0.27412	0.0209203	0.257982	0.00934941	0.331298
0.277063	0.0238026	0.271916	0.0162068	0.258131	0.0127139	0.338477
0.274781	0.0159088	0.277775	0.0215939	0.255906	0.0144028	0.346172
0.280104	0.0215283	0.276407	0.0205147	0.261936	0.0170737	0.350509
0.276817	0.0146052	0.277048	0.0122776	0.263135	0.0103681	0.3455
0.271715	0.0211279	0.271532	0.022029	0.261213	0.0139539	0.347309
0.272281	0.0191874	0.275464	0.0156341	0.255851	0.0109707	0.336806
0.264315	0.0190926	0.272351	0.0195711	0.260729	0.0136486	0.344535
0.27503	0.0219475	0.27476	0.021697	0.259164	0.0139141	0.339272
0.272855	0.024648	0.269812	0.0193894	0.260187	0.0145563	0.340807
0.26698	0.0200084	0.271753	0.0205855	0.261323	0.0123258	0.341503
0.268665	0.0191836	0.269683	0.0212365	0.260684	0.0108759	0.336682
0.274406	0.025276	0.265316	0.0188411	0.261477	0.0175706	0.330529
0.264842	0.0164092	0.273912	0.0199248	0.258304	0.0148587	0.35035
0.266152	0.0147587	0.27077	0.0159474	0.257504	0.013459	0.333739
0.265782	0.019789	0.278392	0.0162054	0.259649	0.017781	0.337163
0.269076	0.0192794	0.27059	0.0173784	0.259099	0.0109478	0.346297
0.265818	0.0196514	0.268835	0.0189252	0.260861	0.0170058	0.326312
0.265564	0.0175797	0.272724	0.0154226	0.255313	0.0137512	0.345453
0.266491	0.0193402	0.261665	0.015721	0.251063	0.0169964	0.34336
0.263352	0.019464	0.261776	0.0168088	0.25469	0.0114121	0.337609
0.265606	0.0195495	0.26068	0.0186471	0.260021	0.0111912	0.338492
0.262767	0.0185545	0.260388	0.0141556	0.249275	0.0120857	0.33932
0.266319	0.017548	0.26793	0.0224945	0.254666	0.0121221	0.345342
0.264803	0.0175329	0.261265	0.0265667	0.252723	0.0157176	0.336355
0.263926	0.021087	0.257024	0.0204219	0.251131	0.0117838	0.33458
0.259475	0.0190185	0.265298	0.0155137	0.24986	0.0123298	0.334462
0.262233	0.0176373	0.262517	0.0213234	0.245047	0.0135779	0.328406
0.264868	0.0187316	0.261576	0.0195948	0.244202	0.0161001	0.338948
0.260026	0.0191576	0.265807	0.023043	0.24406	0.0139055	0.325044
0.259806	0.017218	0.266043	0.0183182	0.247227	0.0147327	0.330919
0.259026	0.0191524	0.26003	0.0197557	0.24266	0.0135949	0.330978
0.256145	0.0225233	0.251723	0.0175915	0.24453	0.0139724	0.335887
0.255501	0.0185535	0.259618	0.0207703	0.24406	0.0134211	0.337256
0.257449	0.0178059	0.256709	0.0185247	0.242874	0.0177739	0.335113
0.25981	0.0170009	0.251136	0.0159116	0.241289	0.0109185	0.327719
0.256918	0.0205417	0.259195	0.0183691	0.235618	0.0149047	0.331958
0.253793	0.0196498	0.254895	0.0173708	0.239193	0.0161947	0.335915
0.257019	0.019751	0.257002	0.0136024	0.241215	0.00991097	0.330656
0.252662	0.0188534	0.259581	0.0184446	0.242797	0.00986263	0.334659
0.254022	0.0193541	0.256159	0.0163115	0.23685	0.014024	0.323421
0.258615	0.0182826	0.249937	0.0185203	0.239852	0.0116542	0.325123
0.248169	0.0179587	0.252428	0.0191627	0.237274	0.0156142	0.309492
0.248547	0.0173315	0.249043	0.018624	0.233996	0.0129199	0.321638
0.252594	0.0214461	0.249677	0.018005	0.233935	0.0160161	0.326289
0.257026	0.0181573	0.252301	0.0171399	0.229808	0.0118027	0.319769
0.246938	0.01977	0.24949	0.018858	0.23256	0.0108665	0.305782

0.247233	0.0189572	0.253578	0.02015	0.232992	0.0119223	0.313841
0.251283	0.0188273	0.254303	0.0184494	0.237569	0.0125443	0.302673
0.253949	0.0204754	0.251872	0.0175173	0.23309	0.0122934	0.311881
0.251024	0.0180801	0.250921	0.0129434	0.230535	0.0165905	0.309531
0.250638	0.0206616	0.256284	0.0200453	0.227447	0.0114636	0.318276
0.24842	0.0177291	0.25093	0.0167111	0.230494	0.0135953	0.309221
0.248078	0.0201888	0.249256	0.014967	0.232009	0.0105185	0.31135
0.245072	0.021382	0.249104	0.0189622	0.231216	0.0144359	0.320389
0.246583	0.0188218	0.248567	0.0196055	0.227687	0.0130605	0.316859
0.250689	0.0138213	0.24928	0.0152275	0.22827	0.0163027	0.304095
0.253925	0.0182461	0.244103	0.0212808	0.230039	0.0143527	0.316771
0.245077	0.0174209	0.249729	0.0148449	0.226066	0.0130365	0.305995
0.246931	0.0213814	0.249222	0.0162527	0.225548	0.0143107	0.316063
0.249779	0.0198636	0.239958	0.018313	0.228722	0.00963702	0.309687
0.255666	0.0205387	0.242053	0.0174349	0.230675	0.0145003	0.315254
0.250918	0.0175241	0.245141	0.0218096	0.228096	0.0149033	0.306365
0.245217	0.0187661	0.24736	0.0181951	0.225006	0.0113689	0.31909
0.244498	0.0197807	0.240479	0.0160237	0.223869	0.0124561	0.310816
0.245013	0.0212035	0.239783	0.0150053	0.221842	0.0146421	0.31096
0.245348	0.0216577	0.239509	0.0157455	0.220865	0.010363	0.307723
0.241634	0.017676	0.242724	0.0145197	0.228192	0.0129917	0.323991
0.246731	0.0208495	0.246638	0.017768	0.220105	0.0117048	0.312889
0.247196	0.0213043	0.23946	0.0170648	0.226677	0.0085934	0.313757
0.244297	0.0217774	0.241325	0.0183522	0.223923	0.0130422	0.323958
0.243253	0.0209588	0.239015	0.0162932	0.222874	0.0140699	0.320946
0.24023	0.0197353	0.240801	0.0139794	0.223047	0.0128332	0.318251
0.246558	0.0163443	0.24389	0.0191691	0.227514	0.0111752	0.311489
0.244721	0.0193173	0.241441	0.0167696	0.222959	0.0137755	0.318998
0.242825	0.0164349	0.245962	0.0166851	0.229751	0.0128231	0.309029
0.241185	0.0196896	0.240097	0.0165497	0.226562	0.0176553	0.313237
0.242918	0.0176806	0.246465	0.0170518	0.228166	0.0127141	0.316989
0.243438	0.0130118	0.243331	0.0190475	0.226343	0.0126649	0.309623
0.241478	0.0184988	0.238283	0.0163493	0.225768	0.0106195	0.325161
0.241188	0.0179706	0.244287	0.0173442	0.229309	0.0104908	0.319047
0.24426	0.0193528	0.243007	0.016279	0.224167	0.0134748	0.306999
0.245041	0.0206107	0.247024	0.0166146	0.229621	0.0131704	0.323818
0.238916	0.0192538	0.246012	0.0152845	0.233942	0.0154876	0.312928
0.238169	0.0168474	0.252852	0.0215979	0.234685	0.0126689	0.324029
0.245847	0.0213944	0.250318	0.0175329	0.231926	0.012808	0.323517
0.244371	0.019353	0.25203	0.0161387	0.236712	0.0114929	0.329103
0.245136	0.0221091	0.250576	0.0147274	0.235166	0.0158787	0.324428
0.243365	0.0190316	0.254492	0.0196384	0.239352	0.0137516	0.336575
0.243906	0.0151155	0.25379	0.0175235	0.237318	0.014859	0.333048
0.236897	0.0164737	0.255917	0.0205671	0.241722	0.0154185	0.334611
0.239821	0.0166612	0.254831	0.0215646	0.240685	0.0140956	0.350017
0.241067	0.0201339	0.249607	0.0143519	0.241218	0.0148036	0.335902
0.236623	0.0163735	0.256378	0.0187581	0.242351	0.0106048	0.325902

0.238258	0.0174438	0.255064	0.0199358	0.241341	0.0129963	0.326483
0.236096	0.0174141	0.253806	0.0248881	0.241948	0.0130385	0.330562
0.243527	0.0202658	0.258383	0.0172118	0.242545	0.014866	0.336719
0.235115	0.0248477	0.252601	0.0164026	0.248246	0.0101076	0.334478
0.240025	0.0201476	0.253388	0.0131723	0.246107	0.0131547	0.338109
0.238301	0.0167876	0.256048	0.0193946	0.250777	0.0128171	0.319648
0.239849	0.01664	0.258311	0.0141232	0.247431	0.0131083	0.34208
0.240216	0.0204838	0.260147	0.0201097	0.253413	0.0105149	0.333944
0.246191	0.0185599	0.263836	0.0191044	0.250032	0.0135433	0.326671
0.247733	0.0157628	0.259487	0.0158847	0.252223	0.0129857	0.332019
0.242771	0.0205872	0.260871	0.0186991	0.252298	0.0143453	0.343343
0.251116	0.0176693	0.262819	0.0202098	0.249627	0.0137455	0.329618
0.242566	0.0211194	0.270161	0.0183526	0.25412	0.0140129	0.341155
0.241041	0.0153999	0.260238	0.0192801	0.257667	0.016199	0.336944
0.245332	0.0193527	0.268572	0.0220231	0.25681	0.0158564	0.339102
0.249698	0.0209161	0.266673	0.0191169	0.261477	0.0124781	0.34365
0.246361	0.0187447	0.267656	0.0208556	0.257788	0.014514	0.3456
0.255628	0.0170824	0.265785	0.0213336	0.261365	0.0158476	0.346393
0.248338	0.0215798	0.266245	0.0210613	0.268302	0.0147805	0.341154
0.250683	0.0190933	0.274791	0.0252935	0.263527	0.018795	0.334057
0.251378	0.017501	0.271457	0.0202732	0.268973	0.0157109	0.354107
0.250708	0.0181034	0.275352	0.0191334	0.266185	0.0132741	0.336843
0.263537	0.0201218	0.26787	0.0245271	0.26971	0.0147169	0.35018
0.258382	0.0224865	0.267733	0.0196004	0.266688	0.0146543	0.344728
0.258724	0.0173847	0.268184	0.0234804	0.267068	0.0120918	0.351041
0.253556	0.0144528	0.26969	0.017459	0.265482	0.0125264	0.340079
0.256851	0.0160574	0.272632	0.0183165	0.260571	0.0130128	0.331753
0.261341	0.0136159	0.268195	0.0205682	0.26332	0.0141657	0.337056
0.263329	0.0173735	0.26556	0.0218682	0.262707	0.0159349	0.330528
0.259604	0.0187586	0.267707	0.0214511	0.258521	0.0112296	0.327129
0.265189	0.0166286	0.262487	0.018865	0.256265	0.0150678	0.316782
0.266129	0.0209993	0.259656	0.0222046	0.254925	0.0134471	0.333422
0.256983	0.0212161	0.259591	0.0166557	0.252805	0.0116476	0.328058
0.263538	0.0221196	0.257709	0.0265198	0.25351	0.0135655	0.319768
0.261732	0.0191258	0.257516	0.0196323	0.246149	0.0113043	0.327053
0.263179	0.0173206	0.255739	0.0195419	0.251416	0.0133039	0.316702
0.25676	0.0197114	0.257054	0.0167733	0.247845	0.012272	0.311872
0.261455	0.0213859	0.255497	0.0199886	0.239172	0.0115766	0.298045
0.267623	0.0200966	0.255124	0.0195213	0.241168	0.0106515	0.309436
0.262211	0.0183186	0.254615	0.0173472	0.240706	0.0126877	0.307795
0.259937	0.0206268	0.251867	0.0225492	0.243037	0.0104659	0.314546
0.260841	0.0194416	0.25302	0.0170564	0.238423	0.0141793	0.303471
0.256609	0.022605	0.247917	0.0168012	0.233707	0.0164485	0.308355
0.255887	0.0183815	0.250714	0.0199517	0.236393	0.0139696	0.303482
0.256306	0.0210167	0.249856	0.0166009	0.233377	0.0136561	0.292654
0.264449	0.0219444	0.252335	0.0123594	0.237451	0.0116811	0.311322
0.257322	0.0206406	0.2513	0.0165841	0.237987	0.0126542	0.307467

0.253595	0.0208055	0.249536	0.0167244	0.235949	0.0145444	0.299223
0.255076	0.017184	0.254759	0.0205105	0.237248	0.012908	0.309331
0.253853	0.0218653	0.257525	0.0154323	0.236615	0.00991837	0.298056
0.256118	0.0196864	0.256507	0.020142	0.241656	0.0139047	0.291896
0.256559	0.0199679	0.257268	0.0178659	0.239308	0.0163823	0.303195
0.253577	0.0193584	0.255553	0.0180463	0.244697	0.0146415	0.310598
0.259815	0.0197162	0.256795	0.0177784	0.240976	0.0134199	0.300678
0.258973	0.0180138	0.25925	0.0189469	0.247129	0.0129592	0.311644
0.255449	0.0201288	0.258986	0.0219466	0.245406	0.0119765	0.305946
0.254879	0.0157095	0.256075	0.0148886	0.247387	0.0175978	0.303451
0.261572	0.0169001	0.256075	0.0202035	0.242464	0.0150191	0.309253
0.253651	0.0135474	0.258635	0.0192246	0.245912	0.0149196	0.307295
0.25704	0.0152767	0.256115	0.0153183	0.246749	0.0142435	0.313538
0.256059	0.0157284	0.260923	0.0188947	0.247973	0.010754	0.318148
0.25869	0.0208011	0.265182	0.0205123	0.246762	0.0115915	0.31732
0.257611	0.0234462	0.260926	0.0221442	0.247753	0.0151198	0.312263
0.259557	0.0152981	0.261877	0.011037	0.251967	0.011825	0.312608
0.265486	0.0175017	0.260859	0.0208183	0.253035	0.012847	0.303665
0.259496	0.0186388	0.25995	0.0165057	0.252773	0.0157579	0.30616
0.268564	0.0170582	0.262575	0.0191238	0.251524	0.0105994	0.303651
0.264503	0.01785	0.266499	0.0168837	0.257151	0.0158074	0.309745
0.269809	0.0210246	0.266911	0.0175426	0.24949	0.0143336	0.31594
0.27401	0.0193395	0.264232	0.0196532	0.255878	0.0129313	0.31094
0.268753	0.0165677	0.268831	0.0151321	0.257619	0.0141202	0.31066
0.264448	0.0184198	0.274288	0.0172473	0.253901	0.0157259	0.316517
0.27084	0.0181668	0.271761	0.0153745	0.259944	0.0136107	0.310459
0.26634	0.0201062	0.27472	0.0171145	0.263356	0.0130558	0.315395
0.269314	0.0249999	0.276043	0.0217503	0.261851	0.012495	0.300027
0.27931	0.0208432	0.275298	0.0194158	0.265964	0.0165959	0.325597
0.274173	0.0178583	0.27659	0.0215965	0.262218	0.0148951	0.318926
0.275497	0.0168754	0.279104	0.0213919	0.266599	0.0131159	0.319211
0.274046	0.0199992	0.27651	0.0134142	0.269312	0.0108876	0.331506
0.274229	0.0150713	0.285527	0.0182795	0.269264	0.0158174	0.318617
0.282176	0.0217481	0.287448	0.0195663	0.273643	0.0114633	0.329573
0.277188	0.0182436	0.288939	0.0200272	0.278145	0.0145442	0.329574
0.283395	0.029438	0.290449	0.0193032	0.278011	0.0139262	0.327839
0.293447	0.02147	0.293782	0.0192664	0.284767	0.0118785	0.333681
0.291957	0.0242524	0.295712	0.0223447	0.282282	0.011905	0.325146
0.288238	0.0201036	0.300121	0.0206755	0.285985	0.0137477	0.342654
0.297085	0.0198579	0.303414	0.0194929	0.281008	0.0175788	0.338996
0.292414	0.0222423	0.304867	0.0205022	0.292217	0.0148348	0.346029
0.298343	0.0215823	0.307159	0.0182492	0.303584	0.0158216	0.346311
0.302435	0.0193748	0.311678	0.0165537	0.2971	0.0128455	0.351917
0.305318	0.0186204	0.31077	0.0210675	0.302513	0.0149744	0.345724
0.307052	0.0172961	0.312151	0.0202877	0.307319	0.018011	0.344396
0.315578	0.0246177	0.32455	0.0162842	0.311035	0.0104974	0.355931
0.309535	0.0160914	0.324464	0.0193158	0.313614	0.0129968	0.365586

0.3195	0.0205146	0.328647	0.019343	0.319728	0.0146505	0.344061
0.327723	0.0227885	0.334587	0.017437	0.327856	0.0139217	0.3666
0.325154	0.0228474	0.341166	0.0193546	0.326911	0.0145971	0.368865
0.337107	0.02517	0.334387	0.0219895	0.334797	0.0148965	0.3727
0.340481	0.0240806	0.344126	0.0169604	0.341305	0.0153693	0.36944
0.344691	0.0226591	0.351596	0.0253277	0.343831	0.0155535	0.37076
0.345723	0.0215362	0.362356	0.0202448	0.359843	0.0161063	0.392019
0.351097	0.0225799	0.368949	0.021168	0.358847	0.0241575	0.389321
0.359662	0.0228517	0.376103	0.0249576	0.374329	0.0184786	0.391758
0.373022	0.0228105	0.373629	0.0168554	0.378843	0.016309	0.382292
0.382661	0.0192277	0.3821	0.0190488	0.382375	0.016032	0.390263
0.384454	0.0237667	0.393662	0.0270993	0.391795	0.0131222	0.405344
0.401172	0.0299731	0.399597	0.018787	0.401832	0.0208458	0.415503
0.409669	0.0193708	0.412057	0.0225585	0.417209	0.0177888	0.440509
0.427833	0.0221403	0.425042	0.0268172	0.427746	0.0202967	0.433404
0.423884	0.0196037	0.425175	0.0218068	0.434242	0.0217048	0.430772
0.431286	0.0274319	0.431904	0.0230492	0.453694	0.018051	0.437694
0.43932	0.0374163	0.451444	0.0257424	0.458096	0.018933	0.448171
0.460301	0.0220143	0.45954	0.0195778	0.47171	0.020557	0.448803
0.467498	0.0226374	0.465541	0.0195421	0.48069	0.0235713	0.46984
0.485763	0.0245541	0.486913	0.0247774	0.503254	0.0207355	0.478013
0.501215	0.0206865	0.496331	0.0241229	0.509344	0.0199169	0.491279
0.517999	0.022964	0.505245	0.0237538	0.528877	0.018907	0.500347
0.525829	0.0304329	0.524045	0.0227386	0.543634	0.0200675	0.510165
0.539617	0.0311932	0.542483	0.0245725	0.562452	0.0222842	0.50458
0.554711	0.0293446	0.558073	0.0225456	0.570826	0.0165235	0.514434
0.563485	0.0282601	0.558459	0.024943	0.591267	0.0208055	0.551466
0.584863	0.0374057	0.591097	0.0265439	0.605661	0.0253969	0.53799
0.597974	0.0312914	0.594685	0.0303151	0.622564	0.0239715	0.541721
0.621668	0.0234541	0.617288	0.0175908	0.643001	0.0265125	0.579883
0.630266	0.0262221	0.639387	0.0212707	0.654574	0.0264548	0.58198
0.651383	0.0262129	0.644425	0.0286708	0.672716	0.0202292	0.598639
0.664579	0.0329937	0.665703	0.0228046	0.692206	0.0166971	0.596296
0.679424	0.0293892	0.6803	0.0306381	0.707317	0.0206571	0.620647
0.702803	0.037263	0.695472	0.0302066	0.721745	0.0240791	0.637122
0.717543	0.0302581	0.701715	0.0266521	0.74038	0.0260881	0.648112
0.738762	0.0269172	0.728148	0.0363027	0.752107	0.0212028	0.651535
0.750317	0.0294285	0.746214	0.0210226	0.782806	0.0221272	0.666351
0.76257	0.0321664	0.76443	0.0286046	0.788835	0.0300879	0.679241
0.785038	0.0280653	0.775273	0.0301175	0.817467	0.0256139	0.689324
0.792314	0.0317504	0.793387	0.0265463	0.827224	0.0255009	0.695261
0.809248	0.0408336	0.804558	0.0303222	0.841719	0.0309188	0.724238
0.821245	0.0360119	0.81668	0.0244764	0.855422	0.0270313	0.723409
0.838519	0.0383004	0.838846	0.0303673	0.863762	0.0292946	0.74356
0.850703	0.0372058	0.843953	0.0305898	0.879883	0.0303741	0.739605
0.876087	0.0366784	0.859676	0.027155	0.894282	0.021986	0.742947
0.881935	0.0355927	0.874343	0.0254948	0.911158	0.0306164	0.766735

0.901103	0.0318896	0.894189	0.0379775	0.917468	0.024621	0.774827
0.89541	0.0478576	0.897684	0.0394417	0.927549	0.0216385	0.773016
0.916155	0.0409685	0.90525	0.0284221	0.935135	0.0267759	0.795449
0.914801	0.0343062	0.921731	0.0401188	0.930089	0.0282339	0.795953
0.927805	0.0376201	0.92676	0.0311428	0.951941	0.0291146	0.824272
0.933855	0.0371549	0.926131	0.0401681	0.961426	0.027854	0.826801
0.944003	0.0326804	0.940907	0.0338074	0.959757	0.029191	0.829475
0.940753	0.0308843	0.939835	0.0305851	0.967559	0.0199547	0.832529
0.946405	0.0362133	0.948476	0.0369252	0.963502	0.0236022	0.85217
0.95059	0.0333961	0.952949	0.036814	0.96873	0.0244649	0.845742
0.946407	0.0356351	0.956301	0.0311772	0.967145	0.0250172	0.850407
0.951156	0.0344957	0.948333	0.0406847	0.953022	0.0319778	0.868806
0.949571	0.0386788	0.965795	0.0272638	0.9638	0.0262456	0.881659
0.96223	0.0307557	0.956302	0.0336316	0.955216	0.0288643	0.873993
0.934966	0.0353849	0.953957	0.0332246	0.949406	0.0272166	0.878795
0.938129	0.0375357	0.950893	0.0328395	0.951729	0.0271549	0.889599
0.929999	0.0445537	0.941494	0.0276489	0.934739	0.0272295	0.884116
0.93228	0.0345616	0.933506	0.0318147	0.934796	0.0283444	0.891177
0.922845	0.0465651	0.930504	0.0297254	0.922923	0.0307706	0.900298
0.904975	0.0380633	0.92206	0.033863	0.908957	0.0273958	0.905223
0.910688	0.0389107	0.910546	0.0351635	0.895107	0.0279129	0.90233
0.883186	0.0409587	0.898423	0.0341396	0.876041	0.0271332	0.91527
0.867318	0.0472885	0.886075	0.0313758	0.864285	0.027928	0.892902
0.877362	0.0377859	0.885484	0.0323233	0.860319	0.0302198	0.907426
0.849909	0.0402789	0.867651	0.0339184	0.844861	0.0236658	0.902206
0.840253	0.0356852	0.850575	0.0301315	0.820688	0.0277322	0.891177
0.841596	0.0378234	0.844478	0.0387539	0.802419	0.021734	0.894094
0.816361	0.0312058	0.825184	0.0297723	0.793972	0.0267491	0.910327
0.795635	0.0394129	0.810516	0.0285787	0.771204	0.0260231	0.879467
0.787729	0.0297737	0.803445	0.0251958	0.755328	0.0261474	0.867001
0.761763	0.035504	0.776573	0.0299291	0.740027	0.0235432	0.871759
0.740243	0.0424939	0.773373	0.0290228	0.719495	0.024949	0.861737
0.727485	0.0338681	0.743431	0.0304555	0.706509	0.0259197	0.850744
0.714827	0.0376142	0.728435	0.024645	0.682654	0.0218836	0.819658
0.692815	0.0308686	0.706083	0.0290139	0.659962	0.017507	0.836369
0.679532	0.0350642	0.694365	0.0251753	0.649345	0.0223821	0.813577
0.665615	0.0308921	0.673586	0.0253742	0.629123	0.0238431	0.808563
0.652341	0.0393036	0.655165	0.0225838	0.610157	0.0277509	0.788899
0.623003	0.0272862	0.642017	0.0277181	0.59974	0.0242178	0.76045
0.606887	0.0294067	0.631687	0.0200558	0.578914	0.0219269	0.740352
0.595097	0.0231564	0.597062	0.0249929	0.56302	0.0222141	0.705057
0.584111	0.0269978	0.579906	0.0297153	0.541777	0.0228326	0.697487
0.55871	0.0229015	0.574755	0.0213591	0.527519	0.0189671	0.66689
0.552983	0.026084	0.556904	0.0259151	0.507079	0.0241988	0.648434
0.527301	0.03269	0.540366	0.0276016	0.496136	0.0177872	0.62875
0.511796	0.0218702	0.526021	0.0266893	0.472435	0.0196936	0.622544
0.499199	0.024619	0.514344	0.0279486	0.468209	0.0232798	0.588399

0.483743	0.025518	0.494356	0.0270112	0.454205	0.0187359	0.574432
0.4725	0.027152	0.48496	0.0227396	0.437126	0.0194244	0.558717
0.45968	0.0233471	0.476734	0.020807	0.424165	0.0167827	0.53179
0.440072	0.0213094	0.453007	0.0285272	0.411657	0.0183361	0.52463
0.429148	0.0217406	0.440991	0.0234478	0.395801	0.0148318	0.495064
0.424296	0.0284059	0.43437	0.0201006	0.392233	0.0123143	0.484339
0.41029	0.025059	0.422172	0.017471	0.378769	0.0170953	0.475085
0.398369	0.0234502	0.409621	0.0267353	0.365347	0.0161878	0.447431
0.38978	0.025594	0.394251	0.0199	0.357783	0.0168658	0.442534
0.382655	0.021233	0.389489	0.0199475	0.345334	0.0157748	0.434324
0.365665	0.0218366	0.380105	0.0238093	0.338486	0.016373	0.412674
0.352491	0.0212516	0.369911	0.0209516	0.329135	0.0144613	0.407943
0.349241	0.0195367	0.357356	0.0226074	0.324084	0.0183182	0.413909
0.343536	0.0227338	0.349036	0.0165927	0.316217	0.016353	0.398871
0.331035	0.0167502	0.341579	0.0234899	0.308416	0.0133923	0.371687
0.324078	0.0231953	0.333537	0.0181249	0.297677	0.0134822	0.37356
0.317946	0.017791	0.327593	0.0194635	0.298884	0.0150595	0.369481
0.310056	0.0192998	0.314819	0.0198322	0.284394	0.0132749	0.350979
0.301954	0.0207472	0.316047	0.0199201	0.284192	0.0159167	0.358251
0.303676	0.0238232	0.298715	0.0162566	0.272769	0.0142717	0.35808
0.294041	0.0178128	0.290498	0.0191574	0.267813	0.0147484	0.340242
0.286996	0.019739	0.284665	0.01742	0.267649	0.0116553	0.340812
0.279818	0.0207907	0.283053	0.0145006	0.263085	0.01183	0.328661
0.281401	0.0227153	0.279885	0.014526	0.257159	0.012118	0.331536
0.270529	0.0246204	0.273956	0.0223633	0.254094	0.0144669	0.312722
0.256943	0.0173768	0.270118	0.0234124	0.248718	0.0125288	0.307532
0.258185	0.0232346	0.263855	0.0149604	0.243831	0.0148843	0.320321
0.256905	0.0208102	0.261307	0.0167382	0.24132	0.0102792	0.301661
0.25036	0.021373	0.25119	0.0174653	0.240327	0.0117913	0.30079
0.248073	0.018938	0.247881	0.015279	0.226652	0.0080209	0.308737
0.239229	0.0160789	0.24268	0.0171696	0.228584	0.0139423	0.291798
0.238353	0.0185316	0.239642	0.0169694	0.223156	0.0135666	0.298016
0.231503	0.0213584	0.23095	0.018758	0.220553	0.0108394	0.290064
0.22582	0.0197257	0.229886	0.0124592	0.21909	0.0145042	0.294277
0.226466	0.0180866	0.229556	0.0165456	0.215285	0.0140299	0.281975
0.21989	0.0179634	0.220429	0.0214143	0.20883	0.011679	0.274241
0.214064	0.013042	0.217865	0.0140195	0.211607	0.014491	0.282741
0.216541	0.0221379	0.218872	0.0157955	0.203375	0.0118938	0.284983
0.211227	0.0181608	0.211248	0.0172965	0.20253	0.0122299	0.270667
0.204811	0.0179078	0.212339	0.0122309	0.200249	0.0132644	0.289946
0.201039	0.0151144	0.207178	0.0151919	0.196024	0.0137027	0.289967
0.202518	0.0159277	0.201294	0.0145458	0.190694	0.0128149	0.281494
0.194279	0.0164434	0.198961	0.0184978	0.187399	0.0106001	0.294852
0.197835	0.0154831	0.197373	0.0135829	0.183807	0.0106938	0.277735
0.195647	0.0125549	0.196577	0.017063	0.184258	0.0107909	0.290293
0.185034	0.0187747	0.190536	0.0153441	0.182349	0.00899204	0.28485
0.182264	0.0164126	0.188772	0.0137414	0.176579	0.0108333	0.288522

0.184546	0.0162756	0.186398	0.0137703	0.180187	0.0119627	0.289413
0.176161	0.0133583	0.185369	0.0176812	0.178047	0.0129813	0.282079
0.178668	0.0176569	0.18535	0.0176004	0.176437	0.0107589	0.299605
0.178399	0.0156962	0.189512	0.0115211	0.175167	0.00855991	0.296005
0.175592	0.0150016	0.194854	0.0164561	0.171708	0.0128839	0.296044
0.171834	0.0170267	0.192042	0.0159669	0.173535	0.0101539	0.300791
0.172957	0.0152562	0.200598	0.0155887	0.17028	0.0109145	0.304163
0.16968	0.0177297	0.198472	0.0159787	0.174616	0.0143748	0.310073
0.170593	0.0152035	0.199134	0.019688	0.174707	0.011485	0.320992
0.176077	0.0158216	0.211422	0.0137863	0.181251	0.0124467	0.330293
0.168323	0.0166852	0.215727	0.0204123	0.180838	0.0101474	0.339803
0.172568	0.0117677	0.226831	0.0256388	0.189136	0.00945993	0.353321
0.173641	0.0113944	0.236468	0.0214887	0.192334	0.0100439	0.379948
0.18346	0.0130802	0.246516	0.0231266	0.203912	0.0145602	0.385529
0.185565	0.0207585	0.255307	0.0270988	0.206801	0.009867	0.404385
0.185791	0.014251	0.27826	0.0214218	0.218899	0.0132573	0.433588
0.193425	0.0125441	0.289123	0.0219221	0.225116	0.0153914	0.462164
0.201144	0.0149717	0.311595	0.0286566	0.240791	0.0152889	0.498664
0.207621	0.016598	0.333205	0.036909	0.249073	0.0134413	0.526158
0.22018	0.0165287	0.349694	0.0325025	0.263	0.01866	0.55789
0.232894	0.0163789	0.370307	0.0373491	0.277202	0.0175174	0.600128
0.252947	0.0216025	0.401829	0.0397664	0.295493	0.0121085	0.64042
0.260909	0.0170744	0.419372	0.0440708	0.307301	0.0184157	0.708125
0.283519	0.0149221	0.445215	0.0440767	0.326556	0.0141577	0.738874
0.296743	0.0211051	0.461542	0.0524005	0.336524	0.021419	0.776923
0.318113	0.0213555	0.485675	0.0568858	0.357804	0.0157467	0.842352
0.339535	0.0215182	0.512192	0.0564348	0.376902	0.0195132	0.872137
0.364699	0.0174984	0.530558	0.0588019	0.392693	0.018354	0.914993
0.385029	0.0224131	0.552928	0.0620198	0.41471	0.0209146	0.956749
0.413086	0.02279	0.57377	0.0709712	0.425071	0.0187971	1.01615
0.430027	0.0232263	0.600875	0.061017	0.43768	0.024792	1.07953
0.459782	0.0274964	0.625932	0.0704187	0.456084	0.0206363	1.09864
0.487285	0.0283681	0.637022	0.0740886	0.471954	0.0240183	1.13166
0.51823	0.0222783	0.645604	0.0652037	0.482551	0.0231195	1.19049
0.524127	0.021622	0.671366	0.0737202	0.494653	0.017657	1.20697
0.549737	0.0294006	0.679182	0.0843268	0.499058	0.0191195	1.25253
0.58469	0.0302703	0.693704	0.0762112	0.519804	0.0180128	1.2656
0.601346	0.034337	0.693299	0.0817989	0.523865	0.0205641	1.31298
0.614706	0.0314508	0.689641	0.0715775	0.530098	0.0210934	1.28799
0.638468	0.035929	0.687451	0.0746154	0.528843	0.0209327	1.29374
0.655274	0.0293698	0.694993	0.0917725	0.531904	0.0172651	1.32219
0.675482	0.0419135	0.677514	0.0641346	0.526589	0.02202	1.27718
0.688909	0.0401016	0.671481	0.076633	0.525173	0.0181738	1.28363
0.682992	0.0326616	0.670008	0.0746842	0.515504	0.0255059	1.26805
0.69623	0.0283086	0.635146	0.0639704	0.499653	0.0235768	1.23331
0.697505	0.0363935	0.613488	0.0685828	0.491009	0.0232158	1.18864
0.696156	0.033383	0.587578	0.0653042	0.479914	0.0171441	1.16398

0.705591	0.0330066	0.56221	0.0566241	0.466791	0.0232728	1.09986
0.684975	0.0376951	0.539551	0.0656734	0.444417	0.0267321	1.04062
0.679611	0.0293509	0.512363	0.0589665	0.41812	0.0209443	1.00589
0.666364	0.0345181	0.472536	0.0539325	0.397403	0.0160808	0.937743
0.649087	0.030015	0.436814	0.0518452	0.379754	0.0161136	0.892747
0.622488	0.038419	0.405946	0.0485934	0.352435	0.0168641	0.807136
0.597601	0.0355082	0.380926	0.0433355	0.328061	0.0151431	0.753108
0.570857	0.0287481	0.350903	0.0371334	0.311098	0.0145673	0.699886
0.543768	0.0275989	0.313946	0.0325805	0.282099	0.0167015	0.651188
0.517087	0.0298766	0.294427	0.0368234	0.265727	0.0148407	0.581909
0.485464	0.0242198	0.268049	0.0349519	0.239611	0.0115253	0.524715
0.453349	0.0260756	0.24503	0.0271148	0.223408	0.0146582	0.460552
0.410406	0.0244614	0.229076	0.0276106	0.211032	0.013924	0.431263
0.38467	0.0239561	0.204773	0.0259694	0.191978	0.0102878	0.398806
0.352581	0.0220554	0.187881	0.0159819	0.180399	0.0117804	0.354746
0.324813	0.026543	0.180295	0.0254973	0.170258	0.0112147	0.31477
0.297898	0.0189259	0.167797	0.0160554	0.158761	0.0107385	0.296285
0.274267	0.0207864	0.157847	0.0181694	0.148132	0.008828	0.266233
0.248251	0.0183081	0.144992	0.0148585	0.139917	0.0100364	0.251682
0.227485	0.0153563	0.139349	0.0153584	0.137897	0.00750698	0.240008
0.208268	0.0166217	0.134025	0.0140838	0.129973	0.0097802	0.226888
0.193768	0.016054	0.127988	0.0124497	0.125196	0.00928703	0.213403
0.176482	0.01787	0.126993	0.0118024	0.119386	0.00911401	0.201708
0.16936	0.015722	0.12502	0.0139651	0.120359	0.0113471	0.189462
0.1562	0.0153729	0.122477	0.0115524	0.121071	0.00768478	0.191041
0.143865	0.0142472	0.116421	0.0107779	0.116245	0.00964147	0.181853
0.141479	0.0129628	0.113045	0.0117456	0.11227	0.00950028	0.1787
0.136995	0.0128425	0.119499	0.0134584	0.112786	0.00899454	0.169678
0.128589	0.010756	0.117738	0.0124982	0.11224	0.00985398	0.179615
0.127038	0.0154334	0.114644	0.0104714	0.111676	0.0112589	0.166976
0.121689	0.0136291	0.11949	0.0123551	0.112859	0.00898895	0.162673
0.11865	0.0121283	0.115628	0.0123007	0.111511	0.00853906	0.162909
0.117497	0.0121142	0.111161	0.0115936	0.109335	0.0105326	0.161114
0.119976	0.0131515	0.114557	0.012062	0.11073	0.00761779	0.156315
0.116757	0.0103795	0.11537	0.0143539	0.110709	0.00820042	0.149447
0.11976	0.0133118	0.113759	0.0126852	0.111451	0.00908741	0.159289
0.116324	0.012109	0.115878	0.0161959	0.112363	0.0106027	0.161113
0.11407	0.0134326	0.117864	0.0095703	0.112533	0.0097241	0.151005
0.118929	0.013987	0.117962	0.0130394	0.115973	0.00742504	0.155367
0.112528	0.0142674	0.118699	0.0147603	0.111351	0.00801164	0.151179
0.115467	0.0116095	0.116455	0.013001	0.112465	0.00626227	0.15099
0.115997	0.0127482	0.117199	0.00999868	0.115852	0.00920016	0.148608
0.117921	0.0142658	0.118403	0.0126529	0.116381	0.00747057	0.153271
0.116065	0.0112226	0.116911	0.0116672	0.114499	0.00825664	0.148804
0.11707	0.0112436	0.115186	0.0130972	0.116902	0.00834933	0.155221
0.121072	0.0121146	0.116236	0.0130681	0.116792	0.0107288	0.149554
0.116314	0.0135722	0.121118	0.0126381	0.11669	0.00833264	0.15104

0.119483	0.0134712	0.119406	0.0114989	0.118334	0.00799637	0.142269
0.127106	0.0139928	0.121059	0.0129529	0.120062	0.00855003	0.147912
0.119163	0.0141353	0.12556	0.0107001	0.119952	0.00805147	0.150607
0.125174	0.0118564	0.12268	0.0149585	0.120696	0.00893863	0.150098
0.124137	0.0147327	0.125319	0.0117904	0.121825	0.00992392	0.145599
0.126827	0.0142199	0.131911	0.013575	0.125968	0.0104449	0.149271
0.126994	0.0133714	0.128954	0.011646	0.127894	0.0111466	0.146207
0.129578	0.0153655	0.133899	0.0150805	0.127585	0.00892522	0.154732
0.131812	0.0117325	0.134126	0.0119092	0.126093	0.0106256	0.154176
0.132591	0.0149199	0.131537	0.0109294	0.129879	0.0106193	0.150355
0.128748	0.0141268	0.134457	0.0119196	0.13128	0.00853928	0.15331
0.133345	0.0133648	0.134958	0.0152801	0.133015	0.00898211	0.15843
0.136582	0.0133202	0.134534	0.011851	0.135017	0.0108925	0.154184
0.138386	0.0169455	0.135285	0.0145822	0.137144	0.0117821	0.153067
0.140049	0.0116715	0.140407	0.0121281	0.140074	0.00954814	0.152042
0.138681	0.0105405	0.137638	0.0101792	0.138872	0.00956613	0.155261
0.138787	0.0148804	0.14438	0.0143844	0.141546	0.00976785	0.158635
0.145747	0.0142234	0.144458	0.0119797	0.13917	0.00978675	0.159652
0.147458	0.014226	0.142396	0.0120494	0.144723	0.00937127	0.15631
0.144941	0.0126385	0.144791	0.0128454	0.143478	0.00857167	0.160901
0.145555	0.0158219	0.149694	0.0151822	0.148972	0.00836343	0.156739
0.151266	0.0173448	0.15198	0.0140668	0.147402	0.0101437	0.160881
0.15358	0.0149336	0.15065	0.0122329	0.149141	0.0121304	0.171541
0.155817	0.0162382	0.153143	0.0120528	0.15354	0.0120383	0.161166
0.155209	0.0138266	0.157278	0.0132148	0.154635	0.0114896	0.163658
0.157689	0.0142665	0.155228	0.0141783	0.154523	0.00981945	0.160297
0.155235	0.0143532	0.160557	0.0119961	0.158626	0.0119239	0.165805
0.158778	0.0152725	0.156118	0.0134256	0.160641	0.00787009	0.172904

std	SB Ru		SB Rc		SB Rb	
	mean	std	mean	std	mean	std
0.160022	0.414779	0.0396361	0.246999	0.0355575	0.219046	0.0237054
0.16577	0.41935	0.0391818	0.251183	0.0463229	0.225464	0.0283012
0.206033	0.419251	0.0398095	0.245345	0.0365502	0.221423	0.0219308
0.171586	0.413871	0.0383521	0.240785	0.0426016	0.224599	0.0212836
0.184532	0.410389	0.0365561	0.24347	0.0388571	0.220209	0.0197176
0.148431	0.412056	0.0378681	0.243633	0.0405405	0.22251	0.0259831
0.193611	0.40759	0.0379245	0.237773	0.0406711	0.221521	0.0184433
0.168888	0.401381	0.0338912	0.240675	0.038309	0.225026	0.0203709
0.176389	0.406426	0.0372156	0.238894	0.0358067	0.218111	0.0201055
0.172527	0.397683	0.0326627	0.239532	0.0384017	0.220209	0.02481
0.190425	0.405531	0.0430814	0.233267	0.0429858	0.219208	0.0241948
0.161995	0.403367	0.0388538	0.23921	0.0430773	0.213844	0.0229495
0.162602	0.395222	0.0368999	0.236391	0.0400993	0.216479	0.0237501
0.186156	0.398615	0.0313438	0.236967	0.0424654	0.217257	0.019222
0.186654	0.402177	0.0366532	0.23957	0.0386176	0.21929	0.0234442
0.194399	0.408318	0.0342755	0.241328	0.0416089	0.216931	0.0225813
0.187099	0.419174	0.0373018	0.237714	0.0439192	0.219767	0.0292699
0.16485	0.430185	0.0332631	0.245069	0.0426619	0.223269	0.0236013
0.179337	0.447275	0.036634	0.243699	0.0383746	0.228212	0.0186804
0.159489	0.480381	0.0358655	0.245426	0.0437852	0.237251	0.0235309
0.165406	0.50984	0.0422821	0.247269	0.04035	0.243977	0.025029
0.197574	0.537378	0.0449791	0.258171	0.0456306	0.249737	0.0264067
0.185353	0.561891	0.0495212	0.262633	0.0449508	0.255356	0.0313032
0.17414	0.589192	0.0498859	0.263091	0.0436256	0.266288	0.0261491
0.163043	0.602898	0.0550131	0.268014	0.0404423	0.269325	0.0296341
0.162079	0.605333	0.0491874	0.270719	0.0487615	0.275542	0.0308929
0.15601	0.599334	0.046535	0.266128	0.0443956	0.274284	0.0255819
0.174494	0.574484	0.0504109	0.263813	0.0455	0.266597	0.0253243
0.164734	0.54204	0.0469827	0.262365	0.0438652	0.260685	0.0319286
0.182823	0.506494	0.0355557	0.258535	0.0445171	0.258395	0.0253376
0.179726	0.479336	0.0412564	0.251627	0.0416743	0.247983	0.0326018
0.169899	0.450696	0.0360121	0.248331	0.0431184	0.246854	0.0280415
0.17532	0.428913	0.0299521	0.246648	0.0446053	0.245079	0.0270135
0.185129	0.422042	0.03451	0.243389	0.0452872	0.241654	0.0269365
0.189456	0.408039	0.0293579	0.24687	0.0444906	0.249726	0.0271943
0.18209	0.407933	0.0322783	0.245801	0.0443404	0.259872	0.0301359
0.195429	0.414621	0.0396938	0.250566	0.0412233	0.277791	0.0341378
0.169443	0.438689	0.0397684	0.257073	0.0460656	0.301789	0.0353424
0.179955	0.476361	0.0406175	0.275119	0.0471082	0.352458	0.0434241
0.202413	0.522055	0.0507679	0.292417	0.0489617	0.4366	0.0493406
0.203411	0.599969	0.0748351	0.330233	0.0570488	0.561215	0.0732286
0.24186	0.698031	0.0917319	0.374297	0.0717831	0.742332	0.0866274
0.303656	0.836977	0.121366	0.433196	0.0907014	0.98571	0.134976
0.31926	0.990951	0.141433	0.502639	0.110434	1.25159	0.182546
0.394536	1.14341	0.178969	0.587764	0.140717	1.56761	0.222819

0.420632	1.28568	0.226073	0.667085	0.157056	1.86813	0.256165
0.520988	1.40252	0.249954	0.742437	0.175464	2.14262	0.289038
0.554873	1.48735	0.274139	0.79659	0.191581	2.34299	0.328902
0.602498	1.50518	0.280148	0.822916	0.205557	2.45027	0.350094
0.604933	1.46969	0.275106	0.823344	0.201074	2.43444	0.342894
0.573879	1.38364	0.24771	0.796944	0.196706	2.29733	0.319785
0.525416	1.25249	0.205545	0.739779	0.183993	2.07287	0.280669
0.462485	1.12347	0.17336	0.678028	0.160496	1.8072	0.247623
0.391206	0.99204	0.14253	0.605555	0.142253	1.52015	0.197365
0.336138	0.870748	0.117453	0.527486	0.113274	1.22294	0.149434
0.306971	0.782109	0.0910478	0.466042	0.0956164	0.980306	0.132817
0.286734	0.72466	0.078848	0.419074	0.0818846	0.783347	0.108273
0.238991	0.709886	0.0653528	0.390516	0.0716093	0.640875	0.0836078
0.194521	0.738804	0.0686709	0.377867	0.0725376	0.559247	0.0646695
0.190783	0.853126	0.0828101	0.382455	0.070806	0.521708	0.0562581
0.217264	1.10376	0.129987	0.414189	0.0756218	0.554832	0.0652626
0.203042	1.55542	0.209171	0.500352	0.10054	0.677424	0.086533
0.253781	2.34215	0.345329	0.66796	0.135826	0.923079	0.119677
0.317715	3.64376	0.572464	0.937576	0.199493	1.34633	0.184922
0.383592	5.62537	0.926661	1.37171	0.313344	2.04834	0.280934
0.542937	8.44253	1.40865	2.01437	0.450914	3.06845	0.447785
0.750873	12.2101	2.04905	2.92299	0.661356	4.50316	0.660096
1.06537	16.8529	2.87702	4.131	0.950293	6.36087	0.935287
1.38095	22.1276	3.79694	5.59828	1.30941	8.61156	1.2528
1.78915	27.6748	4.74677	7.25256	1.70152	11.1332	1.63472
2.17842	32.803	5.67446	8.93467	2.13338	13.7215	2.0616
2.53349	36.8195	6.43405	10.4855	2.51131	15.9906	2.38812
2.90862	39.2923	6.87822	11.7283	2.79938	17.711	2.6499
3.05502	39.784	6.93486	12.4307	2.97403	18.6586	2.72887
3.02898	38.2154	6.61746	12.5689	3.00386	18.7991	2.77821
2.94936	34.884	6.02732	12.1025	2.89787	17.9197	2.65871
2.73256	30.31	5.26192	11.0648	2.64949	16.2397	2.39585
2.43959	25.0975	4.37385	9.63293	2.29325	14.0038	2.06507
2.08148	19.9156	3.4448	8.01363	1.91122	11.6049	1.70604
1.69195	15.2515	2.60462	6.41742	1.51561	9.18915	1.3531
1.3427	11.3054	1.90058	4.96812	1.18166	7.02319	1.03108
1.01744	8.21728	1.34788	3.73584	0.872079	5.20804	0.758673
0.81116	5.97628	0.958682	2.79073	0.639089	3.78015	0.571447
0.640996	4.35746	0.684798	2.07037	0.456461	2.73882	0.392251
0.500362	3.18835	0.486381	1.54169	0.334216	1.99315	0.292056
0.396618	2.35431	0.334799	1.15663	0.247063	1.44732	0.204247
0.304363	1.71533	0.229184	0.891641	0.187674	1.06649	0.151268
0.270885	1.2448	0.163976	0.711917	0.145544	0.810432	0.110011
0.238037	0.899874	0.113025	0.575207	0.109165	0.616842	0.0809196
0.227721	0.67836	0.0847103	0.462546	0.0813608	0.480845	0.0573667
0.200637	0.553018	0.0745453	0.394225	0.0726806	0.374114	0.048181
0.202568	0.519776	0.0460902	0.335109	0.0618823	0.301669	0.0419586

0.201751	0.564538	0.0558998	0.308778	0.059213	0.251713	0.0314285
0.178575	0.652739	0.0792542	0.296745	0.0584095	0.221957	0.0219746
0.154082	0.748911	0.0692138	0.290096	0.0541415	0.196997	0.0230328
0.160857	0.836583	0.0823285	0.289686	0.0512471	0.188548	0.0191509
0.172921	0.909331	0.0913932	0.284501	0.0517361	0.18424	0.0232631
0.190444	0.946955	0.082618	0.284743	0.0553594	0.188152	0.0245834
0.182423	0.948749	0.0801244	0.284315	0.0601538	0.188173	0.0251011
0.174235	0.92243	0.0838813	0.302104	0.0555074	0.195288	0.0244242
0.19396	0.882207	0.0803486	0.295961	0.0512778	0.200075	0.0224616
0.189818	0.82019	0.0688446	0.298639	0.0538295	0.202626	0.021926
0.19456	0.750233	0.0724076	0.29363	0.0594645	0.201318	0.0204065
0.179661	0.686684	0.0668843	0.286089	0.0564176	0.20144	0.0263339
0.188216	0.630613	0.0597287	0.276777	0.0602158	0.197753	0.0275165
0.165452	0.583034	0.0517372	0.274425	0.054987	0.190334	0.0316435
0.172059	0.539362	0.0503024	0.262882	0.0483742	0.186336	0.0300205
0.168784	0.506829	0.0425248	0.253696	0.0545172	0.178588	0.0281629
0.167617	0.493019	0.0464127	0.247937	0.0506259	0.176021	0.0261969
0.163091	0.480785	0.0498256	0.238044	0.0445792	0.169505	0.0240613
0.1701	0.468171	0.0500392	0.238755	0.0444248	0.168879	0.0265156
0.155226	0.460166	0.0442455	0.235559	0.0426678	0.166745	0.0286308
0.16378	0.463103	0.044424	0.229565	0.0416682	0.160602	0.0215446
0.157392	0.463384	0.0421288	0.229104	0.0427841	0.161322	0.0212841
0.167363	0.465225	0.0441868	0.228669	0.0433415	0.159296	0.0187902
0.159707	0.472918	0.0429315	0.230049	0.0445107	0.155979	0.0190128
0.176953	0.4846	0.0576437	0.234786	0.040864	0.155041	0.0186474
0.176211	0.500134	0.0579359	0.237706	0.043393	0.155096	0.0159533
0.162876	0.548624	0.0417728	0.24953	0.0446532	0.156999	0.0186099
0.150336	0.621829	0.0578389	0.263707	0.0492235	0.15732	0.018254
0.154159	0.733151	0.0755131	0.289869	0.053361	0.159332	0.0190356
0.165447	0.901361	0.0945223	0.328578	0.0633153	0.172497	0.0194035
0.167305	1.10062	0.120343	0.384146	0.0750933	0.189605	0.0225377
0.173985	1.36621	0.167179	0.455441	0.0899772	0.208135	0.0249998
0.210932	1.65545	0.215623	0.538877	0.104358	0.227542	0.0282125
0.232875	1.95597	0.253286	0.6445	0.131263	0.247282	0.0275734
0.267814	2.23596	0.286937	0.753832	0.160839	0.274658	0.0316162
0.315838	2.49923	0.34824	0.853796	0.186434	0.302387	0.0380221
0.356849	2.66634	0.360185	0.946176	0.20335	0.319498	0.0414578
0.369412	2.73463	0.357234	1.01835	0.222931	0.339123	0.0430333
0.379433	2.69635	0.355114	1.05405	0.231485	0.348079	0.0434706
0.390821	2.56921	0.342125	1.05275	0.22621	0.348633	0.0438207
0.378106	2.34373	0.327446	1.02065	0.227367	0.339182	0.043324
0.346855	2.0774	0.266492	0.954176	0.204884	0.317827	0.0394036
0.316508	1.79716	0.211083	0.863824	0.179553	0.293644	0.0393016
0.288181	1.50629	0.183903	0.759076	0.163811	0.27412	0.0367155
0.249607	1.24398	0.148201	0.649748	0.132611	0.251693	0.0296308
0.231684	1.0316	0.10605	0.553196	0.105403	0.220747	0.0287586
0.211538	0.869455	0.0817224	0.477328	0.094372	0.201049	0.0234934

0.208586	0.748016	0.0815606	0.410089	0.081813	0.187498	0.0201103
0.195352	0.657011	0.0618082	0.357823	0.072386	0.175309	0.0197475
0.178548	0.600478	0.0627628	0.327543	0.0628895	0.168888	0.022516
0.168031	0.566817	0.0577855	0.304567	0.0550219	0.164991	0.0229972
0.154599	0.552668	0.0524753	0.286818	0.0539314	0.161584	0.0209612
0.161134	0.537422	0.0458312	0.281349	0.0519544	0.158096	0.0186029
0.157125	0.518776	0.0529291	0.280024	0.0534809	0.159332	0.0186319
0.15934	0.510149	0.0544202	0.279765	0.0532175	0.159608	0.0193065
0.165537	0.491147	0.0503137	0.273552	0.0519362	0.15552	0.0160795
0.171677	0.481904	0.0469151	0.264783	0.0452813	0.15792	0.0165566
0.153937	0.46683	0.0459422	0.260609	0.0455169	0.157954	0.0214131
0.147496	0.457897	0.0440893	0.25744	0.0481641	0.155008	0.0190706
0.145908	0.442727	0.0399623	0.254546	0.0464386	0.155099	0.0166795
0.164254	0.439813	0.0444369	0.252066	0.0465109	0.154524	0.0178563
0.176856	0.452786	0.0434794	0.249115	0.0459794	0.157444	0.0157116
0.17255	0.476643	0.0449971	0.251344	0.0486539	0.160992	0.0130008
0.18349	0.511202	0.0545458	0.259534	0.0484861	0.163179	0.015409
0.202083	0.557362	0.061634	0.26881	0.050898	0.174221	0.0177616
0.263991	0.648317	0.0732325	0.279578	0.0525047	0.19107	0.0188579
0.345202	0.765752	0.0776672	0.302499	0.0521145	0.205246	0.0223158
0.435045	0.900999	0.0979088	0.335623	0.0578388	0.225712	0.0246639
0.610406	1.07931	0.128565	0.37266	0.0666694	0.262959	0.0312059
0.859032	1.29066	0.164403	0.409914	0.0785477	0.306288	0.0339434
1.16661	1.54737	0.198104	0.454475	0.0885999	0.35881	0.0408006
1.50178	1.79685	0.252396	0.512448	0.0979466	0.423893	0.0511654
1.89809	2.0345	0.293679	0.573939	0.109909	0.487563	0.0609923
2.36437	2.28126	0.334839	0.63857	0.126426	0.548578	0.0711326
2.77441	2.45143	0.351943	0.69737	0.138002	0.612241	0.0782725
3.15346	2.57729	0.385454	0.739495	0.144443	0.67392	0.0726579
3.46552	2.60156	0.387041	0.775923	0.150823	0.713847	0.0828939
3.63319	2.57066	0.371819	0.79309	0.152345	0.734847	0.0924278
3.65226	2.47152	0.355611	0.792396	0.149758	0.737372	0.0841013
3.47961	2.32149	0.303208	0.779075	0.147059	0.722181	0.0835424
3.18836	2.18482	0.259645	0.752909	0.139801	0.68891	0.0888289
2.87428	2.06505	0.236225	0.720224	0.13796	0.64479	0.0874173
2.55533	1.97998	0.194747	0.693174	0.139398	0.608436	0.078461
2.20692	1.96384	0.175529	0.679532	0.133124	0.584037	0.0773579
1.83612	1.99468	0.164553	0.666186	0.128026	0.56717	0.0813974
1.59583	2.07006	0.174311	0.671707	0.132292	0.56766	0.0839056
1.4796	2.17723	0.194131	0.693818	0.135742	0.584783	0.0934254
1.44991	2.28556	0.195554	0.726679	0.146817	0.606949	0.104334
1.56628	2.36676	0.215895	0.767673	0.159611	0.6368	0.112589
1.68866	2.40594	0.209415	0.791789	0.162727	0.670722	0.124168
1.73552	2.41933	0.208862	0.818673	0.171734	0.690981	0.126026
1.81636	2.36217	0.211076	0.839346	0.179995	0.693454	0.126251
1.8523	2.24518	0.203679	0.832831	0.174747	0.686935	0.128935
1.8061	2.10134	0.186873	0.816741	0.170884	0.669041	0.121772

1.70688	1.93437	0.161422	0.788875	0.167475	0.63417	0.112344
1.55182	1.78388	0.140806	0.744311	0.152752	0.596299	0.103505
1.37442	1.63516	0.136441	0.696915	0.142706	0.552556	0.087516
1.21717	1.51364	0.117082	0.653203	0.130915	0.504783	0.0736265
1.0319	1.41792	0.130858	0.606419	0.117693	0.4587	0.0662973
0.871395	1.35424	0.154494	0.571357	0.111086	0.417985	0.0577794
0.738234	1.32246	0.153872	0.539422	0.0964943	0.389124	0.0499428
0.606248	1.29738	0.176582	0.512652	0.0904162	0.360146	0.0419667
0.520106	1.30093	0.205855	0.49515	0.0863253	0.336816	0.0367855
0.432181	1.29498	0.212551	0.478322	0.0790497	0.318	0.0313562
0.330893	1.28183	0.226583	0.466585	0.0802231	0.302196	0.0281696
0.294268	1.24224	0.236544	0.452354	0.0802325	0.285984	0.0275213
0.235627	1.20135	0.23554	0.4412	0.0760733	0.267445	0.0318281
0.216414	1.1731	0.220129	0.431418	0.0755095	0.255995	0.0331037
0.227346	1.11667	0.211236	0.416802	0.0741999	0.244472	0.02852
0.195806	1.0483	0.187765	0.402647	0.0708396	0.231759	0.0282533
0.179996	0.980288	0.177256	0.387008	0.0743008	0.220505	0.0256265
0.179312	0.918492	0.157258	0.374476	0.0730607	0.212796	0.0249635
0.177999	0.863146	0.134505	0.363614	0.0696689	0.201451	0.0216684
0.165103	0.808613	0.109214	0.357273	0.069115	0.191564	0.0226112
0.161259	0.763783	0.0965207	0.351541	0.0707793	0.185493	0.0237966
0.165491	0.724996	0.085409	0.346203	0.0713323	0.184153	0.0229235
0.160775	0.696142	0.073047	0.33978	0.0681469	0.186644	0.022013
0.155469	0.688602	0.057198	0.335277	0.0656545	0.183802	0.0239503
0.15816	0.67567	0.0657209	0.344636	0.0734224	0.182462	0.0222661
0.167998	0.668129	0.0633623	0.348353	0.0751263	0.188272	0.0213031
0.147215	0.678123	0.0638557	0.35004	0.072992	0.194529	0.0223557
0.133963	0.695654	0.0665904	0.362858	0.0772024	0.204572	0.0221784
0.159267	0.707233	0.0592568	0.37102	0.0766269	0.219833	0.0266239
0.169077	0.728111	0.0620194	0.383261	0.0779693	0.240046	0.0305457
0.184832	0.757625	0.0730086	0.398179	0.0797105	0.276417	0.0374056
0.184231	0.808231	0.0911439	0.42905	0.0867582	0.334225	0.0454802
0.187061	0.888503	0.104915	0.472992	0.104659	0.414789	0.0582545
0.203635	0.989288	0.147048	0.535061	0.126221	0.533476	0.0754359
0.232789	1.12715	0.197747	0.622159	0.158303	0.707991	0.103437
0.273296	1.30614	0.250731	0.738947	0.206158	0.952198	0.144358
0.333704	1.54525	0.327318	0.892795	0.271183	1.26327	0.189557
0.421772	1.80915	0.428082	1.10512	0.366338	1.64555	0.251925
0.493954	2.07187	0.525099	1.34861	0.4697	2.09529	0.323979
0.615027	2.34832	0.6212	1.60521	0.581613	2.60486	0.400865
0.726601	2.60798	0.708442	1.8853	0.693239	3.14987	0.488037
0.858675	2.80599	0.783777	2.17807	0.820622	3.67608	0.576976
0.98145	2.96101	0.834631	2.42995	0.921284	4.11252	0.63827
1.04404	3.01803	0.867073	2.61347	1.01394	4.43672	0.697568
1.05571	2.99844	0.868046	2.73104	1.07224	4.64042	0.727157
1.05319	2.87266	0.813532	2.77487	1.09063	4.66712	0.726697
1.0447	2.66509	0.730663	2.73677	1.065	4.52328	0.714358

1.02438	2.41506	0.641119	2.59692	0.998794	4.22464	0.655836
0.960508	2.13711	0.538906	2.38771	0.914769	3.81116	0.598718
0.834119	1.86687	0.450141	2.14531	0.811562	3.30921	0.522871
0.725458	1.61422	0.35758	1.86289	0.679517	2.77818	0.43674
0.664389	1.39522	0.281396	1.57529	0.548794	2.25347	0.343531
0.53966	1.22077	0.190838	1.3253	0.437114	1.77442	0.279358
0.404033	1.091	0.14244	1.10463	0.338937	1.35896	0.215263
0.322197	1.02984	0.130927	0.916149	0.262771	1.02998	0.154315
0.26498	0.999771	0.104177	0.777405	0.203518	0.766878	0.117494
0.200738	1.02287	0.113112	0.680333	0.161343	0.569959	0.0865421
0.191812	1.0728	0.10621	0.622553	0.14084	0.440766	0.0661403
0.196447	1.16356	0.123774	0.585168	0.123361	0.353883	0.0472697
0.185007	1.32398	0.152098	0.577926	0.117987	0.302526	0.0379307
0.158504	1.52816	0.164754	0.600636	0.125148	0.285166	0.0366403
0.16518	1.83986	0.200462	0.641628	0.14006	0.285903	0.0339081
0.165343	2.28161	0.241063	0.711369	0.150221	0.304102	0.032995
0.176781	2.97141	0.312235	0.815179	0.171888	0.343121	0.0412645
0.166894	4.05505	0.440543	0.966786	0.203758	0.394629	0.0522589
0.171295	5.74313	0.628074	1.19566	0.251982	0.46533	0.0567554
0.204379	8.38141	0.917134	1.54095	0.334885	0.55987	0.0655621
0.233865	12.4056	1.33707	2.05498	0.459993	0.678172	0.0839173
0.268688	18.4923	1.97796	2.83072	0.620686	0.804052	0.103555
0.276409	27.298	2.95891	4.02139	0.881526	0.972153	0.126149
0.306787	39.7666	4.34894	5.73171	1.26589	1.19256	0.155451
0.387316	56.6119	6.22428	8.16561	1.81362	1.46168	0.188494
0.475231	78.3704	8.6131	11.5597	2.59571	1.81243	0.23374
0.575863	105.103	11.6619	16.0411	3.62427	2.23488	0.281961
0.706292	136.663	15.0444	21.7353	4.9341	2.73948	0.354119
0.873879	171.932	18.8688	28.7174	6.52448	3.34365	0.43364
1.06766	208.599	22.9286	36.7636	8.36496	4.02534	0.514927
1.28853	244.311	26.762	45.6023	10.41	4.75021	0.61474
1.48078	276.027	30.1598	54.7337	12.4443	5.4706	0.708985
1.7154	300.771	33.0485	63.4784	14.4096	6.17501	0.794177
1.91459	315.942	34.5749	71.1436	16.1931	6.76637	0.889364
2.121	319.66	34.904	76.9843	17.549	7.16651	0.958337
2.21995	311.934	34.1207	80.3603	18.2882	7.36714	0.981657
2.1869	293.258	31.9574	80.8958	18.4044	7.31548	0.968255
2.13807	265.994	29.1223	78.6998	17.9533	7.00791	0.933576
1.98354	232.175	25.4698	73.871	16.7763	6.48629	0.866342
1.81087	195.567	21.5322	66.8446	15.1272	5.83097	0.764528
1.63395	158.707	17.3056	58.3529	13.2221	5.07112	0.660088
1.38569	124.291	13.6039	49.1925	11.1685	4.26023	0.555368
1.14481	94.0059	10.2653	40.0522	9.11193	3.46254	0.44974
0.939361	68.5629	7.55858	31.5075	7.16621	2.72086	0.35341
0.7321	48.3875	5.21479	23.9645	5.44275	2.07515	0.27
0.585496	33.1661	3.61575	17.6288	3.98897	1.53274	0.197927
0.476776	22.1363	2.4503	12.5612	2.85286	1.12479	0.144973

0.36452	14.5889	1.59693	8.68895	1.97818	0.815594	0.108366
0.295287	9.6333	1.05062	5.8865	1.33105	0.586025	0.0806417
0.251891	6.59916	0.701319	3.93434	0.895154	0.436818	0.0551451
0.233237	4.90536	0.518745	2.65832	0.606203	0.339204	0.0381174
0.202658	4.15864	0.459353	1.86528	0.421588	0.283039	0.0331798
0.195601	4.12452	0.436774	1.42217	0.31767	0.248812	0.0323331
0.195085	4.66599	0.507012	1.2266	0.274567	0.235329	0.030931
0.179603	5.76921	0.640019	1.21364	0.270153	0.240601	0.0302998
0.184354	7.4146	0.846357	1.37688	0.301387	0.257355	0.0273158
0.222827	9.58861	1.06609	1.66927	0.36385	0.291364	0.0324125
0.234451	12.3926	1.38606	2.09677	0.443474	0.332689	0.0378496
0.222675	15.8511	1.76991	2.68469	0.572698	0.387243	0.045733
0.225669	19.8973	2.1997	3.43709	0.743404	0.460696	0.0552112
0.23536	24.4516	2.76818	4.35069	0.931736	0.544223	0.0668222
0.257291	29.0733	3.26394	5.39723	1.15401	0.650716	0.0824423
0.273345	33.6665	3.76085	6.56132	1.4188	0.763744	0.0952968
0.314878	37.8128	4.22402	7.77408	1.68735	0.86667	0.11285
0.350744	41.1351	4.61502	8.93062	1.92661	0.964188	0.123027
0.380592	43.2526	4.77553	9.97394	2.15403	1.05924	0.127202
0.414932	43.9461	4.91366	10.7978	2.33133	1.1283	0.136751
0.408291	43.3091	4.86113	11.3379	2.41757	1.16492	0.141304
0.402337	41.1487	4.51635	11.5492	2.46503	1.18096	0.143656
0.422955	37.8252	4.18775	11.3711	2.45167	1.15592	0.143971
0.402062	33.6124	3.73391	10.8373	2.33584	1.09509	0.13961
0.378027	28.9356	3.17754	9.98093	2.14808	1.01996	0.121146
0.391215	23.9887	2.67446	8.88796	1.90285	0.916281	0.108973
0.35582	19.2363	2.12334	7.68011	1.63662	0.8016	0.106865
0.302892	14.9006	1.62061	6.42992	1.38391	0.694175	0.0911108
0.269537	11.2031	1.24825	5.20791	1.11443	0.585694	0.0683918
0.25632	8.16731	0.897816	4.08978	0.876545	0.494386	0.055018
0.234812	5.75848	0.622969	3.11307	0.66669	0.412923	0.0468616
0.215638	3.96282	0.425562	2.29899	0.490785	0.338997	0.0406233
0.20956	2.65207	0.28083	1.64461	0.339924	0.285035	0.03493
0.193767	1.75287	0.176816	1.15582	0.236008	0.246511	0.0301776
0.18463	1.15255	0.11926	0.804753	0.167934	0.216011	0.0277268
0.196863	0.75222	0.0616321	0.551646	0.114126	0.192769	0.0266002
0.169753	0.506909	0.0481993	0.382109	0.0792216	0.180502	0.0253503
0.167208	0.362724	0.0337335	0.269737	0.0553222	0.173193	0.0240138
0.183412	0.281363	0.0238308	0.197681	0.0390885	0.167262	0.0221116
0.18248	0.234124	0.0166445	0.15415	0.0289387	0.16438	0.0211213
0.182121	0.20701	0.0192809	0.129995	0.0261451	0.166708	0.023508
0.185889	0.197873	0.0172684	0.113788	0.0228414	0.170361	0.023664
0.211282	0.191767	0.0154614	0.103413	0.0202582	0.169486	0.0227189
0.200126	0.186963	0.0156058	0.0996979	0.0218506	0.168319	0.0253497
0.199387	0.190523	0.0201605	0.0997846	0.0224863	0.16863	0.0231887
0.209777	0.188627	0.0161383	0.0988547	0.0219518	0.171468	0.0245505
0.194355	0.190322	0.0141799	0.0994506	0.0228482	0.173218	0.0282257

0.198765	0.192102	0.0171661	0.0985683	0.0242527	0.177917	0.0261348
0.204147	0.199308	0.0200549	0.0970648	0.0234554	0.183889	0.028003
0.195397	0.199326	0.0204313	0.0992521	0.0214846	0.188298	0.0297735
0.193201	0.205697	0.0238199	0.1025	0.0193513	0.194302	0.0296095
0.209717	0.208873	0.0252635	0.103163	0.02199	0.203488	0.0335941
0.206325	0.212258	0.0230074	0.103118	0.0237582	0.216905	0.0395995
0.218796	0.218726	0.0204418	0.107149	0.0239229	0.237668	0.045287
0.218917	0.229298	0.0258348	0.112688	0.0242674	0.271404	0.0595414
0.234838	0.242397	0.0297456	0.118982	0.0269296	0.318512	0.0814513
0.259214	0.261053	0.0334557	0.131209	0.0304205	0.387853	0.113254
0.261253	0.284598	0.0426304	0.143373	0.0326001	0.485415	0.157354
0.252833	0.315305	0.0495054	0.158145	0.0356143	0.620356	0.217699
0.260103	0.353489	0.070448	0.183308	0.0423039	0.804346	0.300584
0.290524	0.400307	0.0768463	0.209256	0.0494222	1.0354	0.413638
0.332115	0.445493	0.0915985	0.242893	0.0599416	1.32885	0.544966
0.374999	0.497081	0.115894	0.29083	0.0735528	1.68536	0.711647
0.4306	0.553543	0.138522	0.334566	0.085441	2.09264	0.908915
0.486546	0.607212	0.160115	0.383068	0.100335	2.53779	1.11493
0.585383	0.654231	0.175781	0.436075	0.115559	2.99986	1.35028
0.651267	0.700043	0.198575	0.489876	0.131949	3.45608	1.58117
0.674209	0.733227	0.220587	0.537192	0.15018	3.85858	1.78246
0.710393	0.741809	0.223575	0.5788	0.159295	4.20671	1.96204
0.785517	0.735195	0.21643	0.602719	0.164185	4.43583	2.05594
0.832314	0.721508	0.208029	0.615999	0.163966	4.5412	2.1197
0.797494	0.691028	0.210182	0.617558	0.163707	4.50802	2.12386
0.801526	0.650417	0.188036	0.600692	0.162793	4.33348	2.02995
0.767366	0.59752	0.151934	0.568573	0.155573	4.05291	1.89721
0.712771	0.548644	0.14319	0.531557	0.144132	3.70079	1.72652
0.684434	0.489929	0.120367	0.486213	0.132595	3.25931	1.52366
0.601243	0.435851	0.0950606	0.433719	0.111881	2.79441	1.2984
0.559631	0.392	0.0759368	0.379602	0.0941799	2.33878	1.06292
0.511091	0.358017	0.0599978	0.327227	0.0825611	1.9031	0.836695
0.491934	0.327066	0.050012	0.278693	0.0688717	1.52923	0.663687
0.484041	0.300183	0.044633	0.241794	0.0561971	1.20018	0.486578
0.494985	0.287084	0.0325455	0.211209	0.0436469	0.92906	0.363366
0.488875	0.277279	0.0230789	0.185504	0.0367456	0.719742	0.260875
0.434322	0.273386	0.0256938	0.168382	0.0363774	0.574505	0.180483
0.433709	0.267594	0.0245257	0.152881	0.0319647	0.46586	0.132756
0.462747	0.26476	0.0251188	0.146346	0.0301913	0.394361	0.0901936
0.454565	0.266132	0.0237251	0.140275	0.0281151	0.347223	0.0711231
0.459256	0.264302	0.0227372	0.134861	0.0268965	0.308523	0.0570991
0.469886	0.265198	0.0203939	0.134541	0.0289634	0.286747	0.0523803
0.503883	0.26629	0.0192212	0.130591	0.0286315	0.276006	0.0436421
0.467901	0.270475	0.0209615	0.135186	0.0276782	0.269635	0.0372518
0.444926	0.272652	0.0223048	0.135444	0.0272935	0.266712	0.0328994
0.480923	0.280089	0.0214074	0.133073	0.0294522	0.269315	0.0322772
0.512567	0.281561	0.0202344	0.136929	0.0282287	0.276721	0.034798

0.479486	0.285391	0.024223	0.141224	0.0306677	0.281628	0.0364699
0.480046	0.292868	0.0222008	0.142641	0.0302105	0.296273	0.0425639
0.448061	0.305886	0.0241197	0.147336	0.03441	0.317892	0.043517
0.435445	0.310749	0.02553	0.153447	0.0357153	0.334809	0.045883
0.440175	0.320321	0.0295099	0.163906	0.0352219	0.355043	0.0526614
0.426905	0.331099	0.0237998	0.168019	0.0371316	0.384026	0.0593045
0.424421	0.342707	0.0290757	0.174767	0.0410644	0.424184	0.0644552
0.438124	0.361073	0.0314123	0.181982	0.0403164	0.467323	0.0768737
0.411337	0.367519	0.0350936	0.193686	0.0476184	0.503158	0.0980425
0.400695	0.381707	0.0388362	0.200576	0.0453254	0.553966	0.10603
0.404137	0.399431	0.0391835	0.211658	0.051959	0.610267	0.128802
0.379301	0.412799	0.048803	0.218419	0.0543121	0.679604	0.157047
0.380649	0.429057	0.0531026	0.23048	0.0556503	0.740739	0.176684
0.37955	0.448407	0.0580534	0.238617	0.0569567	0.808468	0.213261
0.379863	0.460932	0.0627101	0.248458	0.0553872	0.888143	0.249111
0.392551	0.473176	0.0689127	0.256474	0.0540786	0.959492	0.272503
0.367919	0.483464	0.06043	0.268824	0.0535183	1.02434	0.303942
0.394116	0.489441	0.0649455	0.269968	0.0531424	1.05911	0.317291
0.384328	0.488788	0.0679588	0.278932	0.0584762	1.08693	0.320969
0.413025	0.492238	0.0731597	0.279351	0.0577313	1.09184	0.328278
0.374756	0.490807	0.0672521	0.278822	0.0585405	1.07889	0.321111
0.363063	0.483555	0.0727359	0.27683	0.0533982	1.04578	0.31555
0.336077	0.475834	0.0714451	0.276643	0.057282	0.992051	0.284055
0.358512	0.463601	0.0687355	0.269569	0.0539627	0.935675	0.264271
0.353552	0.452255	0.0597076	0.259222	0.0483981	0.861229	0.231908
0.362549	0.441546	0.0619708	0.250953	0.0436082	0.787663	0.208747
0.355375	0.427858	0.0573399	0.23777	0.0462286	0.710921	0.173381
0.306924	0.417899	0.059459	0.231577	0.0424421	0.644127	0.150495
0.291642	0.411414	0.0600052	0.223293	0.0349385	0.586939	0.120758
0.307576	0.399316	0.0543517	0.21192	0.0361263	0.532873	0.0980453
0.310326	0.392742	0.0513102	0.205719	0.0373933	0.486785	0.0966524
0.295856	0.385896	0.0493079	0.202022	0.0336453	0.451033	0.0837427
0.291507	0.38234	0.0484484	0.198845	0.0340082	0.426003	0.0807738
0.281027	0.376008	0.0526076	0.196344	0.0307973	0.40632	0.0821446
0.275311	0.377478	0.0499922	0.195863	0.0325632	0.395132	0.0824815
0.271227	0.376876	0.0471855	0.194074	0.0312663	0.382976	0.0781067
0.275428	0.367235	0.0454157	0.190635	0.0306002	0.378464	0.0737101
0.282193	0.364271	0.0456539	0.19569	0.0314604	0.380566	0.0756953
0.274227	0.3582	0.0446466	0.194642	0.0307029	0.379737	0.0687589
0.29159	0.35379	0.0419382	0.193704	0.0344392	0.377141	0.0701277
0.269596	0.35258	0.0390377	0.200869	0.0369015	0.378963	0.0772261
0.286023	0.347298	0.0441226	0.194122	0.0340023	0.374017	0.0741249
0.283282	0.34595	0.0359601	0.198759	0.0336537	0.372275	0.0729559
0.290009	0.34843	0.0333665	0.19851	0.0332483	0.377857	0.0700233
0.317937	0.34726	0.0364751	0.192075	0.0364655	0.371953	0.0645912
0.285453	0.341279	0.0360724	0.191477	0.0343068	0.362607	0.0690339
0.28932	0.340011	0.0370476	0.195132	0.032419	0.367726	0.0596109

0.283624	0.338374	0.0347176	0.194649	0.0315497	0.370765	0.0578565
0.293823	0.339693	0.0385408	0.19054	0.0328529	0.366004	0.056336
0.271934	0.338343	0.0312017	0.189129	0.0312662	0.364576	0.0541807
0.29637	0.343967	0.0281184	0.189004	0.0365332	0.362606	0.0486983
0.318947	0.349372	0.0315589	0.191492	0.0330416	0.361262	0.0508518
0.296444	0.365015	0.0387823	0.195344	0.0294612	0.365807	0.0456158
0.3435	0.375971	0.0431871	0.201712	0.0330712	0.365161	0.0409401
0.329053	0.39779	0.0512116	0.207746	0.035293	0.379882	0.0469186
0.397206	0.42352	0.0608825	0.217739	0.0442171	0.39297	0.0538143
0.448652	0.453331	0.0727065	0.225836	0.0421401	0.422651	0.0514414
0.428543	0.488401	0.0968175	0.246945	0.0519135	0.437036	0.0565618
0.534778	0.53496	0.122317	0.267123	0.0618256	0.46998	0.0637013
0.591345	0.571774	0.141024	0.292266	0.07088	0.510222	0.074709
0.703508	0.608121	0.163888	0.322651	0.101284	0.54978	0.0862812
0.794583	0.644719	0.185703	0.348094	0.110957	0.595116	0.0997288
0.893829	0.673271	0.210287	0.384455	0.131852	0.637067	0.118732
1.04419	0.692244	0.219829	0.423048	0.151405	0.678052	0.129087
1.1206	0.712531	0.219171	0.442555	0.169149	0.710746	0.133774
1.18026	0.725947	0.212831	0.459251	0.173803	0.740785	0.147253
1.2682	0.723694	0.218333	0.480028	0.184704	0.752311	0.156063
1.28299	0.702966	0.203847	0.486495	0.184246	0.769001	0.156362
1.3078	0.681779	0.188145	0.492925	0.189847	0.765853	0.140092
1.3373	0.654712	0.173303	0.480469	0.188491	0.744358	0.153085
1.21149	0.62065	0.142377	0.461392	0.17055	0.715924	0.135296
1.12294	0.596443	0.124155	0.453711	0.16779	0.691281	0.128685
1.06681	0.568649	0.110463	0.417285	0.138445	0.652741	0.121729
0.907683	0.53244	0.0886932	0.394842	0.128029	0.599265	0.10161
0.831469	0.506824	0.0768048	0.366112	0.117147	0.567747	0.0833955
0.692919	0.487438	0.0611439	0.3403	0.100132	0.537114	0.0810465
0.625329	0.465248	0.048636	0.312692	0.0796104	0.497884	0.0721645
0.548307	0.4484	0.043142	0.293246	0.0706107	0.4696	0.0634993
0.460787	0.442317	0.0391011	0.278959	0.0658632	0.451119	0.0549394
0.470242	0.436441	0.0373051	0.261205	0.0584194	0.430741	0.0601912
0.396925	0.435844	0.0366166	0.251172	0.0560811	0.419792	0.0548619
0.380844	0.429451	0.0346282	0.244436	0.0510566	0.413373	0.047838
0.393427	0.429707	0.0349235	0.243172	0.0575648	0.405737	0.0469284
0.378897	0.432711	0.0346092	0.232356	0.0479726	0.401545	0.0513337
0.414616	0.440352	0.0416407	0.234629	0.0518663	0.401063	0.0463017
0.381466	0.445277	0.0368202	0.232933	0.0567834	0.399191	0.044605
0.330583	0.45152	0.0468856	0.231184	0.0551096	0.397759	0.0457713
0.32476	0.456506	0.0457967	0.233435	0.0500724	0.390367	0.0445316
0.353219	0.464406	0.0477797	0.235431	0.0587181	0.404338	0.0466189
0.403963	0.464667	0.0454788	0.234016	0.0541465	0.396389	0.0473597
0.340748	0.469363	0.0489783	0.238847	0.0561782	0.402124	0.0568162
0.390254	0.480917	0.0526268	0.23891	0.0577274	0.412607	0.0532457
0.361019	0.491975	0.0477667	0.239514	0.0542661	0.415621	0.0602198
0.366686	0.500803	0.0508172	0.241133	0.0577705	0.416954	0.0590726

0.334409	0.512036	0.057327	0.245288	0.0584729	0.415861	0.0583236
0.334572	0.52361	0.0586562	0.253826	0.0572301	0.433366	0.0761684
0.354397	0.534575	0.0611116	0.251648	0.0564633	0.440863	0.0859735
0.404465	0.552252	0.05731	0.265902	0.0541382	0.448147	0.092416
0.353417	0.571522	0.0627667	0.265077	0.0561717	0.462679	0.113081
0.378221	0.592655	0.0619286	0.277657	0.057807	0.483372	0.123212
0.385356	0.618338	0.0630686	0.286193	0.0621336	0.492613	0.136886
0.423764	0.648172	0.0600547	0.300416	0.0563486	0.523379	0.153678
0.466223	0.6902	0.0672015	0.316725	0.0555505	0.554373	0.163932
0.462513	0.735999	0.0793012	0.340048	0.0582307	0.586894	0.172219
0.492188	0.797919	0.0749817	0.364728	0.0570977	0.630933	0.176971
0.539728	0.854376	0.083675	0.39714	0.0698721	0.684925	0.189104
0.593269	0.921618	0.0919713	0.442137	0.074501	0.750045	0.177215
0.681703	0.9799	0.102314	0.494166	0.0845099	0.822689	0.186468
0.711132	1.04959	0.100289	0.547035	0.0953475	0.915648	0.185285
0.806525	1.11515	0.111439	0.601289	0.116908	0.98759	0.196725
0.935542	1.1589	0.121583	0.66275	0.13189	1.06946	0.19213
1.03953	1.20217	0.126275	0.722212	0.13706	1.15412	0.208856
1.10596	1.22799	0.115905	0.771166	0.1417	1.21542	0.185757
1.19798	1.24342	0.125696	0.82157	0.156401	1.27468	0.181972
1.25335	1.23796	0.131843	0.860598	0.170507	1.32341	0.194486
1.26674	1.21076	0.129443	0.874177	0.172768	1.35676	0.180684
1.39346	1.17744	0.128508	0.877073	0.174673	1.35358	0.170946
1.28953	1.13822	0.121773	0.874015	0.169088	1.33169	0.175599
1.2724	1.08245	0.107369	0.848094	0.159512	1.28133	0.170977
1.18677	1.01939	0.0923853	0.816556	0.149724	1.2281	0.145281
1.14523	0.959515	0.0843269	0.768536	0.139898	1.15411	0.145809
1.05906	0.908932	0.0851578	0.721166	0.134635	1.0934	0.132757
1.04951	0.848055	0.0716519	0.673565	0.11972	0.999141	0.116658
0.914169	0.79847	0.0640948	0.607834	0.106081	0.933809	0.120068
0.862519	0.756643	0.058822	0.557092	0.0911928	0.856746	0.0939447
0.833132	0.722452	0.056677	0.513532	0.0893557	0.791585	0.0954774
0.766016	0.692784	0.0554346	0.468541	0.0813546	0.735071	0.0811952
0.697188	0.669286	0.0595939	0.445982	0.0788157	0.702996	0.0703068
0.720437	0.644298	0.0543259	0.407812	0.0688536	0.654694	0.0655283
0.680983	0.627374	0.0498818	0.394423	0.0693227	0.638622	0.0612402
0.699999	0.614612	0.0522305	0.373747	0.0640568	0.61315	0.0634182
0.65339	0.602556	0.0523941	0.360642	0.064085	0.606194	0.0584741
0.676062	0.600437	0.0520977	0.357729	0.0717773	0.606317	0.0499105
0.705047	0.599846	0.0501272	0.348788	0.065604	0.602476	0.0502971
0.745155	0.588492	0.0527778	0.34706	0.0654982	0.602196	0.0581046
0.771886	0.586565	0.0471047	0.346056	0.0611277	0.614942	0.0462526
0.7218	0.585814	0.0557068	0.347696	0.0703055	0.632585	0.0546557
0.860991	0.587189	0.0597443	0.349467	0.0689336	0.625461	0.0593916
0.798548	0.597569	0.0606842	0.349246	0.0687127	0.659119	0.061241
0.870843	0.607401	0.0625854	0.361075	0.0754383	0.670905	0.0648628
0.861564	0.626962	0.0681339	0.365762	0.0732358	0.706396	0.058183

1.07279	0.657798	0.078679	0.368591	0.073338	0.748654	0.0642073
1.1039	0.697703	0.0905234	0.385495	0.0864582	0.802743	0.0766527
1.2166	0.756659	0.101686	0.408111	0.0888236	0.871327	0.0713357
1.3809	0.866712	0.141175	0.437551	0.0976833	0.985489	0.100265
1.66068	1.02118	0.186568	0.474868	0.118689	1.14465	0.099102
2.05264	1.25242	0.251674	0.536511	0.139913	1.40254	0.132939
2.53178	1.58237	0.360383	0.64647	0.186417	1.75713	0.160997
3.53636	2.03715	0.492013	0.795657	0.229813	2.29496	0.214554
4.46693	2.66385	0.697632	1.00131	0.337886	3.08297	0.280945
6.3201	3.50103	0.957707	1.30326	0.436778	4.15416	0.363372
8.80965	4.57599	1.29247	1.73502	0.619932	5.66729	0.504527
12.1371	5.93178	1.7426	2.30481	0.84928	7.68128	0.665466
16.3524	7.55976	2.22774	3.0801	1.15952	10.3583	0.921693
21.7905	9.47848	2.81905	4.07925	1.56075	13.7564	1.28922
28.8871	11.6463	3.47515	5.2999	2.05533	17.9028	1.58111
36.9856	13.9727	4.21035	6.81219	2.64751	22.7908	2.07478
47.2077	16.4544	4.95215	8.53117	3.32292	28.4736	2.62301
59.1444	18.8764	5.77182	10.5238	4.13052	34.8362	3.23421
71.3179	21.1195	6.48406	12.6163	4.96955	41.4284	3.76185
83.9831	23.0558	7.064	14.8104	5.78641	48.3172	4.49601
97.4547	24.5471	7.51067	16.9769	6.66282	54.8546	5.16745
110.626	25.4989	7.75338	19.0446	7.53979	60.7473	5.60481
120.904	25.8543	7.91146	20.8463	8.20873	65.7786	6.08034
130.133	25.5682	7.81083	22.1464	8.72621	69.165	6.51586
136.315	24.5991	7.49717	22.9565	9.09012	71.0412	6.65515
138.065	23.1701	7.03853	23.3481	9.23555	71.1657	6.75469
138.966	21.2308	6.40434	23.0778	9.09575	69.5385	6.66104
134.992	19.0353	5.73417	22.2221	8.78167	66.1697	6.33425
126.999	16.6273	4.9526	20.8848	8.20776	61.3628	5.88699
116.651	14.2027	4.21297	19.1821	7.53238	55.5451	5.30132
105.279	11.8697	3.50348	17.1643	6.73402	49.1532	4.79761
93.0746	9.72116	2.83011	14.9821	5.89349	42.3293	4.09695
80.1195	7.78789	2.24175	12.7585	4.91494	35.5958	3.54082
67.1034	6.13921	1.72404	10.6271	4.12104	29.159	2.85697
55.4222	4.79814	1.30303	8.67006	3.34135	23.3846	2.34296
44.3065	3.72744	0.952541	6.88162	2.61987	18.3032	1.80481
34.868	2.90462	0.690578	5.3681	2.00318	14.0027	1.36465
26.2886	2.27251	0.488293	4.139	1.52361	10.4951	1.04319
20.0783	1.81366	0.338936	3.11617	1.14233	7.71	0.761811
14.6221	1.48735	0.239591	2.32424	0.793567	5.58116	0.536254
10.5904	1.27544	0.173582	1.73918	0.570606	4.0226	0.408542
7.66741	1.12414	0.13498	1.30439	0.401079	2.89151	0.293672
5.49714	1.03835	0.108238	1.00042	0.279016	2.09028	0.193954
3.94747	0.976321	0.0901172	0.781852	0.200022	1.54	0.149505
2.80515	0.937873	0.083513	0.63751	0.157571	1.16088	0.114471
2.17489	0.916148	0.0765444	0.539808	0.114717	0.927858	0.0851394
1.649	0.904194	0.0569866	0.477916	0.0948945	0.78089	0.076989

1.29427	0.894505	0.0642197	0.441993	0.0711823	0.694851	0.0628987
1.00349	0.897566	0.0621366	0.418793	0.0710184	0.620651	0.0593832
0.895768	0.900136	0.0602234	0.402385	0.0677591	0.591155	0.0583691
0.87032	0.900759	0.0661016	0.392083	0.0629876	0.568316	0.0613838
0.799799	0.903414	0.0649131	0.400862	0.0656671	0.554124	0.0594834
0.678094	0.901297	0.0616461	0.391317	0.0631244	0.554327	0.0584392
0.73876	0.895774	0.0636004	0.39223	0.0586558	0.558583	0.0616487
0.639922	0.904017	0.0560937	0.395822	0.0622388	0.556957	0.0537569
0.660904	0.901494	0.0541111	0.397833	0.0560699	0.565074	0.0651751
0.655779	0.902366	0.0586835	0.399483	0.0538525	0.556466	0.0638433
0.688612	0.900071	0.0569755	0.395695	0.0524721	0.565074	0.0561913
0.650905	0.909005	0.0545434	0.402432	0.0516957	0.564914	0.0497883
0.68014	0.913881	0.0647529	0.406857	0.0597635	0.582316	0.0595777
0.658876	0.919766	0.0629884	0.408013	0.0484858	0.587877	0.0623491
0.712528	0.925793	0.0574715	0.413483	0.0513401	0.594169	0.0585457
0.683407	0.930172	0.0558305	0.413092	0.053007	0.608881	0.0565344
0.662523	0.931478	0.0548824	0.422527	0.0581017	0.622013	0.0665531
0.678849	0.94037	0.0568321	0.425647	0.0575544	0.636475	0.054245
0.72128	0.95215	0.0566033	0.431182	0.0624174	0.654052	0.0611873
0.6796	0.963955	0.0585311	0.432918	0.061006	0.674666	0.0536096
0.692431	0.979753	0.0621035	0.452505	0.0629322	0.701624	0.0616244
0.699198	1.00602	0.0662468	0.464769	0.0674404	0.741003	0.0590997
0.821349	1.04252	0.070192	0.478107	0.0627917	0.780586	0.0652913
0.883137	1.09222	0.084643	0.494707	0.0787425	0.847045	0.0583353
0.925422	1.14833	0.0974181	0.519052	0.0897336	0.93253	0.066181
1.02588	1.22942	0.127416	0.543535	0.0961227	1.0329	0.0780081
1.24048	1.33472	0.163615	0.583569	0.110882	1.17995	0.1021
1.49935	1.46551	0.194428	0.635088	0.132187	1.36194	0.100436
1.71006	1.63386	0.255027	0.715766	0.160044	1.61191	0.136446
2.01291	1.83938	0.309244	0.809912	0.182438	1.91788	0.148003
2.60598	2.08404	0.364174	0.915296	0.235449	2.31792	0.185028
3.19752	2.36493	0.451597	1.0694	0.306281	2.83008	0.22104
3.93239	2.66594	0.545963	1.26351	0.375878	3.40534	0.276986
4.91553	3.02033	0.644584	1.47093	0.464496	4.12168	0.318378
5.78639	3.34411	0.764117	1.72691	0.55219	4.94186	0.416006
7.06943	3.70127	0.84405	2.00945	0.663663	5.81256	0.467385
8.31663	4.03312	0.954305	2.3183	0.787632	6.7619	0.558242
9.74184	4.31326	1.02293	2.63361	0.910561	7.76362	0.645602
11.0604	4.52578	1.10188	2.9633	1.03108	8.71861	0.699105
12.7199	4.71424	1.14075	3.254	1.18213	9.57618	0.802721
13.4995	4.80004	1.15543	3.53592	1.29794	10.3446	0.842044
15.0982	4.77845	1.16559	3.76439	1.34158	10.9441	0.910437
15.7835	4.6669	1.1298	3.90017	1.40019	11.3124	0.968173
16.0888	4.46015	1.05861	4.01099	1.43491	11.4354	0.954964
16.4338	4.1955	0.981635	4.0052	1.46994	11.3345	0.998023
16.1014	3.89265	0.894877	3.90518	1.42075	10.9486	0.936274
15.4019	3.56098	0.802957	3.77826	1.36024	10.3709	0.919485

14.6984	3.20116	0.699196	3.53551	1.27609	9.61624	0.807514
13.4855	2.84631	0.584551	3.2669	1.15037	8.69913	0.759821
12.2525	2.51239	0.492747	2.97313	1.03343	7.71246	0.707605
10.6962	2.19546	0.397253	2.63698	0.906695	6.73259	0.573564
9.43463	1.92101	0.312251	2.29946	0.771784	5.73654	0.507073
7.91218	1.67941	0.239867	1.98439	0.657942	4.7837	0.422057
6.50159	1.49125	0.180481	1.6825	0.515246	3.9269	0.358698
5.34666	1.34136	0.142546	1.42162	0.420169	3.17792	0.271479
4.11664	1.21589	0.113558	1.20454	0.339327	2.54614	0.2147
3.33296	1.12884	0.0819461	0.995894	0.25411	2.00722	0.171975
2.52625	1.06885	0.0730541	0.855646	0.201135	1.59158	0.142571
1.95669	1.02131	0.0728794	0.712081	0.145533	1.2642	0.110309
1.4565	0.997908	0.0645688	0.629883	0.111501	1.00531	0.0844182
1.11662	0.982817	0.0511274	0.563451	0.091212	0.821789	0.068581
0.824799	0.987425	0.0510307	0.509201	0.0789942	0.677769	0.0486258
0.624661	0.998873	0.0539311	0.474253	0.0586258	0.590268	0.0528097
0.485432	1.0114	0.0639671	0.448888	0.052324	0.514516	0.0419877
0.360759	1.03813	0.0641015	0.439285	0.0619266	0.470005	0.0337875
0.295291	1.06783	0.0669633	0.435349	0.0497591	0.440696	0.0389016
0.231438	1.09326	0.0741798	0.436853	0.0579241	0.424193	0.0387495
0.219043	1.12441	0.0787399	0.431503	0.0536226	0.415522	0.0332388
0.178611	1.15247	0.0737908	0.446256	0.0580101	0.408429	0.032897
0.179137	1.18329	0.0852458	0.45702	0.0619345	0.401088	0.0321218
0.181837	1.19932	0.0893441	0.465619	0.0653782	0.394602	0.037129
0.163251	1.21654	0.0886371	0.472622	0.0658093	0.404341	0.0328114
0.154999	1.22481	0.089394	0.479139	0.0757418	0.408361	0.0323227
0.17943	1.2238	0.090029	0.490562	0.0705054	0.418966	0.03505
0.177925	1.22328	0.0906855	0.498674	0.0774615	0.42114	0.0343264
0.210087	1.20405	0.0879674	0.515604	0.0752039	0.435291	0.0375256
0.21379	1.18783	0.0734355	0.51103	0.0859726	0.447773	0.0351021
0.246172	1.18295	0.0763366	0.518058	0.0775389	0.460986	0.0427404
0.259319	1.16188	0.0732436	0.513151	0.0778294	0.473506	0.0346694
0.286466	1.13895	0.066399	0.520118	0.064821	0.481906	0.0419616
0.300574	1.11047	0.0648459	0.517772	0.0721642	0.498333	0.0409041
0.32333	1.08857	0.0608382	0.515713	0.0769016	0.507576	0.0449691
0.336652	1.06631	0.0536377	0.510321	0.0686841	0.511766	0.0368668
0.386705	1.03951	0.0562582	0.512242	0.0708935	0.529377	0.0327129
0.406718	1.02039	0.0625783	0.503202	0.0722087	0.530136	0.0475164
0.419256	1.01097	0.0535226	0.500363	0.0633363	0.536228	0.0396697
0.371615	0.988862	0.0550076	0.494616	0.0617128	0.536842	0.0517814
0.375552	0.970465	0.0592776	0.48856	0.0641572	0.541704	0.0426934
0.380761	0.96191	0.0579486	0.483249	0.0679359	0.541783	0.0446009
0.366281	0.959218	0.0624579	0.468943	0.0617193	0.529335	0.049887
0.310866	0.958338	0.0625162	0.467741	0.0528721	0.526645	0.0553571
0.293787	0.949807	0.0628559	0.466197	0.0646975	0.51284	0.0495861
0.265387	0.947241	0.0619349	0.454895	0.0667171	0.518314	0.0635861
0.263664	0.949563	0.0597253	0.455649	0.0590531	0.510994	0.0600625

0.239323	0.949586	0.0601531	0.446184	0.0529012	0.501009	0.0676795
0.20151	0.952886	0.0523668	0.438833	0.0605439	0.494602	0.0704392
0.182293	0.958173	0.0491987	0.448904	0.0682066	0.483002	0.0837324
0.177616	0.96749	0.0616882	0.452047	0.0673244	0.490085	0.0813358
0.154393	0.969837	0.0636359	0.448615	0.0609147	0.487985	0.0845174
0.154072	0.97998	0.0649936	0.448209	0.0579059	0.482122	0.0796312
0.114836	0.974893	0.0555938	0.447372	0.0600655	0.481405	0.0875627
0.119183	0.977131	0.0562559	0.460188	0.0577207	0.48212	0.088649
0.124637	0.970829	0.0569205	0.455004	0.0604347	0.490327	0.08562
0.0990258	0.973648	0.0530231	0.46204	0.057163	0.481442	0.0833675
0.105388	0.973507	0.0510112	0.459646	0.0633873	0.478934	0.0706467
0.107512	0.955779	0.0536249	0.459404	0.0709501	0.486386	0.0715792
0.114997	0.950234	0.0594816	0.465048	0.0635551	0.492191	0.0722369
0.119884	0.946964	0.0632066	0.464595	0.0576193	0.488654	0.0706703
0.107877	0.945337	0.0545257	0.458018	0.0587977	0.480985	0.0767619
0.112351	0.947586	0.0517848	0.463312	0.0647178	0.489826	0.0618618
0.106332	0.942309	0.0543078	0.466665	0.0677396	0.489605	0.0659927
0.11404	0.943077	0.0473838	0.4647	0.0706412	0.48942	0.0530158
0.105791	0.946353	0.0541303	0.465523	0.0623014	0.489369	0.0664286
0.116616	0.928581	0.0557196	0.465494	0.0642478	0.485123	0.0481439
0.107601	0.926796	0.0625468	0.459797	0.0618275	0.482991	0.0516537
0.104479	0.928612	0.0510837	0.460955	0.0600459	0.48634	0.0484477
0.110972	0.917202	0.052172	0.458044	0.0594642	0.477237	0.0427297
0.0856878	0.910616	0.0553309	0.457272	0.0659642	0.48239	0.0440347
0.0966248	0.913599	0.0599032	0.461546	0.066204	0.489949	0.043745
0.109693	0.903571	0.0536792	0.453005	0.058198	0.494954	0.0375638
0.105158	0.891733	0.0574151	0.444533	0.0576705	0.48172	0.0390412
0.111329	0.887036	0.0518489	0.441326	0.0599543	0.490259	0.0428678
0.103886	0.884104	0.0459089	0.451184	0.0635569	0.483441	0.0366457
0.107036	0.891436	0.0570807	0.444151	0.0642872	0.494367	0.0386191
0.0975881	0.89357	0.0508015	0.450207	0.0605744	0.484012	0.0363178
0.0956286	0.893497	0.0529496	0.442195	0.0577774	0.496061	0.0394199
0.114313	0.889824	0.0552349	0.445829	0.0605803	0.492909	0.0344918
0.140166	0.891016	0.0523136	0.447144	0.0488557	0.489592	0.0379214
0.121139	0.899487	0.0506571	0.45543	0.0543712	0.490277	0.0364788
0.100607	0.904651	0.0577001	0.446332	0.0534447	0.493947	0.040404
0.140177	0.902841	0.0433651	0.45942	0.0464325	0.507118	0.0405272
0.139595	0.903527	0.0520583	0.452295	0.0469341	0.509601	0.0269612
0.130291	0.908797	0.0487619	0.457698	0.0573051	0.517932	0.0372214
0.141934	0.923197	0.0436261	0.466695	0.0467316	0.529321	0.0449686
0.168186	0.92241	0.0556714	0.465329	0.0478154	0.536827	0.0488036
0.161584	0.925891	0.0477818	0.474809	0.0530765	0.546774	0.0400659
0.183394	0.935068	0.0483851	0.475908	0.0536258	0.554946	0.0431185
0.185237	0.942821	0.0468763	0.475854	0.0470964	0.576167	0.0407528
0.211069	0.93519	0.0479648	0.483879	0.0546683	0.58023	0.040752
0.212701	0.938114	0.0465401	0.489424	0.054454	0.579291	0.0462271
0.211772	0.942098	0.0480756	0.493763	0.0599562	0.588157	0.0479928

0.21523	0.944767	0.0452953	0.501153	0.0558547	0.59655	0.0452477
0.267783	0.951486	0.0429054	0.493337	0.059477	0.606089	0.0512384
0.217568	0.944481	0.0395433	0.494171	0.0573739	0.606887	0.0473102
0.263352	0.953397	0.0535906	0.495938	0.0601603	0.599401	0.0465667
0.241577	0.955098	0.0523374	0.496272	0.0606185	0.599404	0.0428862
0.240196	0.950016	0.0439409	0.499254	0.0640947	0.600043	0.044774
0.267886	0.949683	0.0435456	0.49497	0.0612241	0.592889	0.0445035
0.248756	0.949833	0.0516228	0.488585	0.0661872	0.590607	0.0488613
0.232097	0.944505	0.0519528	0.485656	0.0554956	0.576749	0.0370544
0.227129	0.948604	0.0514881	0.482907	0.0573227	0.581052	0.0300366
0.231706	0.951507	0.0494571	0.478094	0.0502083	0.563997	0.0406183
0.226277	0.956868	0.0479285	0.483469	0.0547166	0.564382	0.0426423
0.227101	0.965098	0.0479768	0.477143	0.0430273	0.563623	0.0360813
0.198007	0.971804	0.0439043	0.482603	0.0576218	0.556934	0.0355999
0.195566	0.975183	0.0477251	0.475274	0.058077	0.552871	0.0316167
0.174351	0.976961	0.0472091	0.477585	0.0549095	0.548699	0.0385979
0.184482	0.990757	0.0517089	0.474406	0.0541867	0.553451	0.0410961
0.177815	0.997215	0.0470506	0.482161	0.0569496	0.557962	0.0464594
0.172905	1.00435	0.0533798	0.475933	0.050881	0.55086	0.0422359
0.177777	1.02075	0.049827	0.487059	0.0539117	0.553285	0.0366171
0.157701	1.02977	0.0560179	0.482865	0.050365	0.556171	0.0463488
0.153105	1.02999	0.0580947	0.480144	0.0524789	0.555309	0.0401321
0.149825	1.04374	0.0604038	0.486208	0.0510979	0.569942	0.0328322
0.149388	1.0555	0.0604657	0.490277	0.0569969	0.558293	0.0452767
0.100961	1.06701	0.0484581	0.497849	0.046848	0.577966	0.044881
0.139985	1.07781	0.0631206	0.492121	0.0500057	0.575338	0.0484218
0.125408	1.08914	0.0645734	0.502941	0.0560674	0.573061	0.0462462
0.115112	1.08802	0.0582639	0.506949	0.0615067	0.585705	0.0463827
0.136573	1.10534	0.0625755	0.507747	0.0545955	0.583235	0.0474614
0.116914	1.1255	0.0659912	0.508599	0.0519391	0.585858	0.0443639
0.11968	1.13141	0.0731253	0.508392	0.056983	0.597228	0.04645
0.0953681	1.15162	0.0750047	0.521514	0.0588211	0.589419	0.0525044
0.0993864	1.15232	0.0746848	0.518647	0.0597634	0.606957	0.0450545
0.113893	1.1551	0.080002	0.519956	0.0590579	0.60267	0.0430324
0.102234	1.16983	0.0894533	0.528839	0.0651164	0.613281	0.0546689
0.100125	1.1893	0.0852721	0.53174	0.0630769	0.614482	0.0416395
0.104779	1.20651	0.0823271	0.541744	0.0714383	0.623381	0.0502625
0.113182	1.22277	0.0951548	0.544519	0.0574875	0.611587	0.0518808
0.120008	1.22776	0.0909103	0.549907	0.0615972	0.638781	0.0475032
0.101536	1.23816	0.0878654	0.557596	0.0746422	0.629826	0.0489991
0.106209	1.25158	0.0949434	0.554834	0.0691966	0.642675	0.0435933
0.101772	1.26659	0.0989945	0.563054	0.0640514	0.634114	0.0480808
0.111063	1.28313	0.0966303	0.579214	0.0812915	0.65394	0.0486887
0.106265	1.29427	0.0978902	0.565969	0.064758	0.659959	0.0510101
0.112765	1.31188	0.0906657	0.58448	0.0767114	0.668679	0.0457487
0.109546	1.33123	0.0944289	0.585387	0.0714786	0.683328	0.0597014
0.0959754	1.35646	0.0914292	0.600997	0.0757611	0.696263	0.0587796

0.0986272	1.37365	0.109913	0.605784	0.0797692	0.716389	0.0434225
0.111244	1.3956	0.108055	0.616379	0.0752908	0.733399	0.0556829
0.109576	1.40873	0.0998991	0.630181	0.0825142	0.762234	0.0530671
0.124514	1.42707	0.0931185	0.637595	0.0775188	0.778369	0.0474859
0.132466	1.4497	0.105576	0.648717	0.0797071	0.814543	0.0453475
0.107465	1.46131	0.104742	0.66565	0.0855513	0.83898	0.0536224
0.121345	1.48402	0.0865545	0.672157	0.0800394	0.869035	0.0500474
0.121525	1.50007	0.0974198	0.685074	0.075741	0.902035	0.0468661
0.0974662	1.51212	0.0981638	0.699254	0.0932091	0.931838	0.0694084
0.0997277	1.50593	0.0932069	0.717821	0.088717	0.951119	0.0699575
0.106369	1.51957	0.0903157	0.736347	0.0786742	0.975344	0.062439
0.125371	1.53356	0.082873	0.738861	0.0776036	0.978991	0.0607615
0.107215	1.52073	0.0870462	0.745118	0.0820754	1.00295	0.0673997
0.102887	1.51985	0.087795	0.745417	0.0790102	0.997341	0.058588
0.116002	1.51104	0.078524	0.754793	0.0895043	0.99607	0.0716464
0.119942	1.4991	0.0797169	0.745091	0.087418	0.981326	0.0670539
0.110054	1.50127	0.0802391	0.746429	0.0861003	0.977253	0.0702543
0.121189	1.48776	0.0764272	0.752824	0.088283	0.946736	0.0594436
0.127786	1.49568	0.0691331	0.737617	0.0884952	0.93141	0.0547967
0.10163	1.47986	0.0685322	0.736386	0.0845716	0.910098	0.066991
0.131457	1.46264	0.0782369	0.725901	0.078551	0.87532	0.06174
0.129522	1.46254	0.077536	0.727076	0.0765138	0.856714	0.0592957
0.116715	1.46593	0.0791023	0.707497	0.0745259	0.828916	0.0607172
0.119186	1.45548	0.0806012	0.707354	0.0748536	0.810036	0.0602629
0.119706	1.45712	0.0780898	0.698242	0.0738303	0.805187	0.0619163
0.127488	1.45464	0.0839931	0.692975	0.0834936	0.788724	0.0522901
0.12951	1.44791	0.0791638	0.676699	0.0740966	0.769893	0.0577744
0.111333	1.45126	0.0806122	0.687694	0.0766131	0.759177	0.0496366
0.115274	1.4638	0.0789038	0.682268	0.06378	0.749593	0.057582
0.130557	1.45484	0.0757527	0.67995	0.0740189	0.744677	0.0576745
0.130787	1.46027	0.0947016	0.681228	0.0748137	0.730918	0.0543545
0.115063	1.45879	0.0848792	0.673913	0.0688411	0.728116	0.0540607
0.129937	1.45405	0.0709876	0.678709	0.0565981	0.741078	0.0573711
0.133075	1.46412	0.0946729	0.686596	0.0662865	0.735098	0.0564154
0.122555	1.46872	0.0932926	0.687669	0.0627953	0.741219	0.0485724
0.140359	1.4625	0.0834404	0.682345	0.0592416	0.733568	0.057408
0.110717	1.46182	0.0977664	0.676928	0.0611871	0.726604	0.050198
0.103571	1.47381	0.0893253	0.692047	0.0664222	0.724592	0.0580498
0.129624	1.45664	0.0811133	0.685647	0.0565706	0.732702	0.0477554
0.144031	1.4662	0.0858918	0.688029	0.0534326	0.731253	0.0488882
0.112192	1.45196	0.0859922	0.684497	0.0489543	0.7269	0.0529937
0.12518	1.45174	0.0820036	0.691247	0.0594911	0.738753	0.0366997
0.130511	1.46747	0.0992565	0.680406	0.0654076	0.73133	0.0530785
0.118723	1.45933	0.0762015	0.678487	0.0612776	0.729637	0.0426805
0.11636	1.46283	0.0781547	0.67693	0.0555937	0.723904	0.0498202
0.131096	1.44634	0.082724	0.681393	0.0522278	0.723105	0.0517714
0.143549	1.44201	0.0858348	0.687733	0.0526539	0.714817	0.0467929

0.136276	1.45242	0.0873006	0.689451	0.0521975	0.731521	0.0462185
0.126007	1.44528	0.084596	0.690703	0.0574705	0.715024	0.0420244
0.130741	1.43918	0.0824084	0.687913	0.0530957	0.72331	0.044195
0.139856	1.43417	0.0926384	0.677398	0.0538715	0.715612	0.0427187
0.126269	1.43607	0.0948336	0.674555	0.0594002	0.706387	0.0529919
0.149448	1.43897	0.0835318	0.687769	0.0597779	0.69702	0.0447088
0.148618	1.43942	0.0840978	0.682086	0.0590175	0.707963	0.0405342
0.176727	1.44247	0.0878757	0.680799	0.049923	0.704263	0.0417453
0.157729	1.43168	0.0868608	0.673746	0.0647753	0.705942	0.0396809
0.140273	1.42993	0.0837346	0.67168	0.0566203	0.716826	0.0362717
0.145458	1.43225	0.0846835	0.680466	0.0568194	0.708044	0.0383841
0.157558	1.42493	0.0844184	0.675313	0.058188	0.702459	0.0487179
0.149854	1.43644	0.0897241	0.680962	0.0565477	0.697253	0.0385034
0.177615	1.42284	0.0805134	0.674271	0.0538832	0.715939	0.0350569
0.161862	1.428	0.0791623	0.676304	0.0578812	0.706813	0.0392494
0.148426	1.4341	0.0826446	0.680857	0.0633094	0.706298	0.0384029
0.178968	1.42731	0.0904582	0.675371	0.049972	0.723015	0.0455593
0.175119	1.42123	0.0813506	0.671137	0.0564534	0.720855	0.0403153
0.169396	1.42402	0.0761734	0.679774	0.0531446	0.722385	0.0356037
0.178347	1.43277	0.0802456	0.666996	0.0553267	0.724746	0.0381882
0.156199	1.43029	0.0776472	0.674625	0.0606538	0.722913	0.0371799
0.149483	1.43258	0.0740146	0.679693	0.0592796	0.726121	0.0412048
0.153729	1.42644	0.0760987	0.683367	0.064441	0.745147	0.0393016
0.148997	1.42871	0.0804492	0.678533	0.0530732	0.738521	0.0434697
0.147587	1.43095	0.0898775	0.683492	0.0607816	0.749332	0.0449964
0.153141	1.42735	0.0733113	0.672703	0.0527252	0.74742	0.0384829
0.13044	1.43407	0.0822363	0.666256	0.0661105	0.758117	0.0426639
0.1327	1.43051	0.0703865	0.678221	0.0566225	0.763687	0.0439412
0.143774	1.42891	0.0738019	0.68928	0.0569503	0.75394	0.0444991
0.160439	1.42771	0.0750869	0.683008	0.0570962	0.755614	0.0322368
0.140228	1.42443	0.0743853	0.6862	0.0564705	0.742444	0.0479825
0.128434	1.421	0.064614	0.674476	0.0592512	0.75518	0.0360921
0.132323	1.41954	0.0602367	0.677305	0.0547401	0.753817	0.0426651
0.139347	1.42117	0.0639833	0.679967	0.0559991	0.748533	0.0390675
0.151528	1.43177	0.0715197	0.682718	0.0623105	0.745884	0.037312
0.137552	1.42573	0.0761374	0.683741	0.0482168	0.752362	0.0338552
0.148017	1.42565	0.0755555	0.675258	0.0495927	0.739711	0.0445456
0.126374	1.42398	0.0627133	0.677397	0.0512878	0.74545	0.0421443
0.131907	1.42435	0.0747298	0.684295	0.0660261	0.737237	0.0358137
0.124387	1.4239	0.0723194	0.682904	0.047258	0.736862	0.0375312
0.113901	1.43056	0.0707082	0.68522	0.0495224	0.728491	0.0494707
0.106511	1.43785	0.0728798	0.681095	0.0590283	0.735471	0.0364231
0.100003	1.43852	0.0726106	0.691886	0.0540961	0.744929	0.0349661
0.113532	1.43773	0.0664133	0.689904	0.0525229	0.738242	0.0434046
0.115479	1.44136	0.0591987	0.688596	0.0486318	0.745958	0.0407946
0.0973816	1.43503	0.066186	0.688698	0.0573378	0.74937	0.0488894
0.116596	1.44782	0.0673478	0.693072	0.0527958	0.742546	0.0436018

0.12733	1.46201	0.064085	0.701945	0.0493321	0.752577	0.0503197
0.103567	1.45823	0.073576	0.70256	0.0553229	0.759288	0.0411441
0.114731	1.46066	0.0518151	0.699135	0.0527816	0.76338	0.0416992
0.0864103	1.46554	0.0577179	0.706642	0.0553796	0.755107	0.0366157
0.102652	1.47524	0.0619933	0.70869	0.0532072	0.771793	0.0483243
0.110633	1.49206	0.0765503	0.710195	0.0557015	0.777158	0.0490705
0.108219	1.50115	0.0740523	0.724573	0.0514681	0.790668	0.0249848
0.0929882	1.49985	0.0736347	0.721568	0.0577958	0.789826	0.0467696
0.107978	1.50052	0.0613065	0.709895	0.0503488	0.795873	0.042744
0.0921147	1.5048	0.0565175	0.725835	0.059349	0.797704	0.0501656
0.109468	1.5107	0.0673994	0.728825	0.0576603	0.793442	0.0486732
0.0997048	1.5126	0.0724425	0.728089	0.0557355	0.815747	0.0361851
0.101014	1.51108	0.0677963	0.72819	0.0564205	0.810566	0.0509148
0.0949478	1.52205	0.0771082	0.724842	0.0529003	0.807529	0.0470599
0.124819	1.52687	0.081972	0.734444	0.056922	0.814768	0.0392135
0.114417	1.52307	0.0782438	0.729813	0.0568382	0.813457	0.042182
0.105116	1.53602	0.0827066	0.747336	0.0519527	0.814479	0.0383847
0.13312	1.53975	0.0826963	0.748136	0.0631964	0.810587	0.0491775
0.105803	1.54167	0.0769634	0.739059	0.0575539	0.812804	0.0396101
0.141253	1.54945	0.081095	0.746509	0.0661577	0.812312	0.0389265
0.119535	1.54151	0.0802948	0.744183	0.0691603	0.804545	0.0519286
0.126789	1.5529	0.0767267	0.739053	0.0626825	0.801772	0.042699
0.127347	1.55556	0.0695443	0.755672	0.0631265	0.812699	0.047273
0.133267	1.55205	0.0736161	0.743988	0.0629309	0.81481	0.0440766
0.118152	1.54619	0.07579	0.754696	0.0581053	0.803433	0.0438268
0.138595	1.55032	0.0696044	0.754305	0.0597397	0.801877	0.0475628
0.133465	1.55694	0.0637263	0.750389	0.0640989	0.797165	0.0493592
0.128714	1.55885	0.0688473	0.752321	0.063207	0.793631	0.045193
0.126074	1.55541	0.0702426	0.749311	0.0587598	0.801961	0.0436202
0.125741	1.55698	0.0640503	0.754446	0.0554944	0.799126	0.055086
0.140655	1.55154	0.0623909	0.752119	0.0655757	0.801564	0.0424261
0.127346	1.56089	0.0733978	0.749856	0.0666222	0.800035	0.0363693
0.129572	1.56661	0.0684013	0.759447	0.0644025	0.801081	0.0442136
0.119106	1.56384	0.0745823	0.759052	0.0639786	0.791772	0.0613219
0.124878	1.56047	0.0789593	0.76074	0.0654077	0.796291	0.0487655
0.120441	1.56229	0.0577207	0.756411	0.0605393	0.790899	0.0492933
0.120574	1.56481	0.0613023	0.75915	0.0538275	0.800428	0.0615938
0.110327	1.57068	0.0702538	0.761205	0.0597949	0.800733	0.0340748
0.125751	1.57142	0.0695562	0.763558	0.0704736	0.806813	0.0513196
0.116677	1.57608	0.0592985	0.757293	0.0562213	0.805177	0.0534771
0.0997382	1.58083	0.0669258	0.763829	0.0583867	0.802575	0.057773
0.112855	1.5721	0.0707836	0.766819	0.062463	0.797343	0.0462066
0.0964331	1.57163	0.0705061	0.768036	0.0559786	0.807705	0.0461591
0.120216	1.57596	0.0726533	0.75997	0.0598332	0.798517	0.0474374
0.0954949	1.57909	0.0770238	0.781376	0.0550849	0.803479	0.0445884
0.11373	1.57918	0.0786322	0.778394	0.0620065	0.808577	0.0468623
0.0996956	1.56716	0.0721334	0.769866	0.0529928	0.798053	0.043234

0.104135	1.56763	0.064515	0.779272	0.0519322	0.801878	0.0461123
0.122797	1.56109	0.0689022	0.780185	0.0637278	0.807569	0.0451369
0.130519	1.57561	0.0771475	0.788644	0.0664932	0.806562	0.0490311
0.12435	1.57767	0.0680973	0.777092	0.0500322	0.803807	0.0412602
0.110387	1.57506	0.0582271	0.786307	0.048273	0.7974	0.0400097
0.107734	1.57339	0.0658025	0.794014	0.0580038	0.794778	0.0465919
0.120612	1.57794	0.0636144	0.79036	0.0565468	0.802918	0.0450892
0.136106	1.57751	0.0662865	0.79721	0.0677277	0.806416	0.0410566
0.11363	1.58694	0.0732274	0.801145	0.053955	0.802711	0.0465478
0.123941	1.57748	0.0717567	0.809603	0.0646253	0.807226	0.0501288
0.142552	1.58299	0.0706363	0.805598	0.0612991	0.806218	0.0409289
0.118101	1.58174	0.0585242	0.818462	0.0719463	0.805016	0.0496787
0.15518	1.58502	0.0587863	0.818702	0.0603227	0.807084	0.0386712
0.160735	1.58493	0.071372	0.830341	0.0655625	0.808609	0.038869
0.147355	1.59009	0.0717941	0.824689	0.069106	0.80424	0.0401795
0.136205	1.58796	0.0698703	0.830984	0.070482	0.808446	0.0491096
0.127383	1.57521	0.0783181	0.824256	0.071608	0.80423	0.039639
0.140695	1.56836	0.0732019	0.822285	0.0707647	0.799663	0.0424809
0.154621	1.56857	0.0690545	0.828928	0.0536488	0.81345	0.0494668
0.145037	1.56341	0.068504	0.831632	0.075699	0.800727	0.0432205
0.139299	1.5549	0.0649954	0.821443	0.065727	0.803284	0.0463589
0.156506	1.57361	0.076402	0.829545	0.0597551	0.802543	0.0419754
0.118228	1.56426	0.0695018	0.814159	0.0749875	0.805624	0.0472321
0.166047	1.56258	0.0655978	0.807905	0.0682965	0.790529	0.0390317
0.129375	1.55306	0.0681627	0.805571	0.0529738	0.794593	0.0492651
0.128036	1.55747	0.0533595	0.802881	0.0661912	0.798747	0.0382495
0.153714	1.55044	0.0567079	0.78638	0.0572224	0.803587	0.0590674
0.136165	1.55177	0.0594334	0.788948	0.0588802	0.792952	0.0479382
0.130034	1.5511	0.0594069	0.799351	0.0520464	0.803411	0.0463048
0.120909	1.54476	0.0647086	0.780732	0.0497616	0.797103	0.0429976
0.121381	1.54006	0.0723961	0.796192	0.0523929	0.805882	0.0503047
0.122273	1.54432	0.0712991	0.781112	0.0511034	0.800564	0.0374798
0.116813	1.53103	0.0677252	0.781111	0.0421346	0.795236	0.0468855
0.121112	1.53726	0.0651253	0.767379	0.0506091	0.790283	0.0436326
0.107763	1.53675	0.0654749	0.767135	0.0460797	0.791099	0.0462539
0.0930421	1.53696	0.0667607	0.763834	0.0415229	0.79101	0.037477
0.128549	1.53587	0.0634537	0.779912	0.0491864	0.78892	0.0345875
0.108321	1.53982	0.0550708	0.781744	0.0422293	0.776443	0.0395642
0.115789	1.53355	0.0654397	0.764008	0.0463258	0.799896	0.0520658
0.133302	1.52896	0.0613919	0.777059	0.0389091	0.797168	0.045362
0.109531	1.5335	0.0576506	0.768997	0.0425294	0.789252	0.0458159
0.101351	1.53498	0.0557406	0.777057	0.0447304	0.779545	0.0417192
0.12186	1.53502	0.0617743	0.770315	0.0480907	0.798378	0.0417272
0.127702	1.53488	0.0604936	0.771572	0.0489533	0.791945	0.0410373
0.12629	1.53853	0.0555329	0.765965	0.0484983	0.780523	0.0374345
0.121473	1.53337	0.0666688	0.766403	0.0452696	0.793591	0.0415964
0.117611	1.53945	0.0588993	0.771906	0.0488304	0.783305	0.0399279

0.134219	1.53108	0.0667765	0.763935	0.0523155	0.785684	0.0445043
0.134347	1.52848	0.0701449	0.769154	0.0435145	0.80099	0.0461264
0.125737	1.54123	0.0624605	0.772706	0.0464552	0.793613	0.0459674
0.0937242	1.5386	0.0581081	0.778956	0.0550613	0.811638	0.0466851
0.107025	1.53422	0.0558564	0.778468	0.0635104	0.802683	0.0372577
0.102598	1.53267	0.0518984	0.777767	0.0522141	0.811126	0.0515974
0.124164	1.532	0.0609812	0.775592	0.0492324	0.813369	0.0538791
0.113545	1.53864	0.0635382	0.792342	0.0571504	0.822516	0.050985
0.0962854	1.52811	0.0605505	0.780608	0.0580237	0.823679	0.0382978
0.0916729	1.5312	0.0654952	0.782932	0.0491395	0.820683	0.0472139
0.122175	1.52481	0.0703936	0.782882	0.0525794	0.834329	0.0486966
0.119316	1.53179	0.0608043	0.787682	0.0552238	0.838448	0.0552162
0.108993	1.53094	0.0643771	0.791934	0.0524261	0.836264	0.0475845
0.122923	1.53292	0.0561144	0.793335	0.0630411	0.83189	0.0424029
0.126043	1.53059	0.0593528	0.791985	0.0656933	0.840648	0.0534698
0.117316	1.52673	0.0678479	0.797435	0.0629854	0.841905	0.0488257
0.0966087	1.5197	0.0673275	0.798116	0.0680535	0.846002	0.0545543
0.111149	1.51803	0.0700699	0.790168	0.0661879	0.824411	0.0635993
0.117772	1.50372	0.0607611	0.793897	0.060715	0.849549	0.0600047
0.117138	1.50433	0.0510343	0.796367	0.0632465	0.836271	0.0531544
0.102703	1.50482	0.0547119	0.782362	0.0533161	0.829873	0.0651703
0.119977	1.5075	0.061281	0.777732	0.0595509	0.824838	0.0545876
0.105531	1.50015	0.0587242	0.776193	0.0529735	0.824902	0.0551116
0.126841	1.49402	0.0558405	0.773407	0.0636627	0.805467	0.056041
0.116562	1.49149	0.0517557	0.770556	0.0578345	0.797621	0.0499634
0.111971	1.49072	0.0596235	0.767164	0.0475061	0.801479	0.0592235
0.109037	1.48207	0.0596705	0.758278	0.0498877	0.794264	0.0599751
0.104749	1.49471	0.0559577	0.763949	0.0481993	0.779729	0.0542444
0.109255	1.48922	0.0521746	0.757874	0.0414251	0.77721	0.0485145
0.11438	1.48055	0.047977	0.753478	0.0453979	0.781762	0.0607356
0.0945218	1.47757	0.0621726	0.748391	0.0484535	0.771867	0.0477799
0.10174	1.4862	0.062023	0.75371	0.0499029	0.761806	0.0504145
0.107972	1.47955	0.0602048	0.744635	0.0568326	0.764948	0.0422283
0.123813	1.46933	0.0607988	0.752556	0.0496103	0.756094	0.0409968
0.0952014	1.46772	0.0541214	0.756894	0.0556572	0.763287	0.0471034
0.135145	1.46862	0.0547373	0.74769	0.0519924	0.753339	0.0411459
0.103407	1.46153	0.0588223	0.746542	0.054731	0.753225	0.0422874
0.107641	1.47377	0.0507262	0.739047	0.0503094	0.760197	0.0576463
0.118156	1.48108	0.0490915	0.736207	0.051418	0.760412	0.0445954
0.0897647	1.46726	0.0548435	0.744451	0.0524598	0.760693	0.0371283
0.109571	1.44943	0.0502261	0.741	0.0580138	0.741443	0.0387979
0.117554	1.45583	0.0599534	0.740248	0.0566227	0.755355	0.0435005
0.104986	1.46923	0.059348	0.734245	0.0505046	0.745192	0.0413415
0.119706	1.46739	0.0600514	0.738171	0.0551344	0.747067	0.0438906
0.100902	1.46567	0.0590657	0.739293	0.0547999	0.746533	0.0405718
0.116636	1.45815	0.0585188	0.742295	0.0559217	0.746096	0.0447626
0.116317	1.44938	0.0560432	0.738646	0.0473141	0.752568	0.0391208

0.114914	1.45371	0.0545629	0.732818	0.0504899	0.745195	0.0398837
0.130613	1.45288	0.0580172	0.737833	0.0430191	0.745103	0.042018
0.120375	1.4571	0.0584201	0.731133	0.0615085	0.740647	0.037223
0.117448	1.45596	0.0553873	0.737333	0.0544944	0.736876	0.0447853
0.120181	1.4581	0.0629995	0.73952	0.0488411	0.741673	0.0396074
0.13542	1.4483	0.0562951	0.733849	0.0502776	0.741609	0.0463985
0.123395	1.4526	0.0526361	0.723043	0.0559598	0.741791	0.0439341
0.109578	1.45505	0.0588559	0.722679	0.0531836	0.754304	0.0444128
0.116429	1.45333	0.0628687	0.732335	0.0530789	0.738958	0.0388653
0.127539	1.45306	0.0606069	0.726365	0.0531308	0.745253	0.0372756
0.141349	1.44904	0.0611978	0.735287	0.0441106	0.748884	0.0383395
0.110686	1.45304	0.0702767	0.726486	0.0423018	0.727948	0.0312685
0.119289	1.44245	0.0610482	0.716734	0.0449344	0.738494	0.0375602
0.12643	1.43848	0.0584353	0.731278	0.0486147	0.731843	0.0337077
0.133294	1.44612	0.0598928	0.72637	0.0554235	0.735571	0.038458
0.120555	1.44431	0.0626223	0.722173	0.051607	0.726496	0.0358794
0.116849	1.44583	0.0622106	0.733304	0.048825	0.727046	0.0330033
0.127674	1.45108	0.0608255	0.727789	0.0406132	0.722478	0.0422693
0.1346	1.44883	0.0625487	0.725192	0.0427397	0.726108	0.0300383
0.118696	1.44524	0.0556799	0.727931	0.0503624	0.715039	0.0359449
0.119205	1.44488	0.0528755	0.722378	0.0402644	0.715462	0.0388813
0.127663	1.44211	0.0530483	0.725321	0.0457366	0.730783	0.0328245
0.113933	1.43794	0.0603954	0.71587	0.0477017	0.722759	0.0314694
0.133134	1.44337	0.0675583	0.72142	0.0503917	0.722292	0.032909
0.123874	1.44552	0.0547399	0.717727	0.0502287	0.727508	0.0411293
0.117315	1.44608	0.0547304	0.724234	0.0438371	0.726391	0.0338682
0.114393	1.44548	0.054883	0.715634	0.0552907	0.715543	0.0355487
0.112568	1.44961	0.0563291	0.719113	0.0427315	0.718196	0.0401164
0.109852	1.45263	0.0577055	0.716042	0.0480262	0.722044	0.0371636
0.10579	1.44504	0.055743	0.714085	0.0525491	0.719988	0.027324
0.106494	1.44864	0.057704	0.724451	0.0407932	0.723548	0.0384499
0.106722	1.44982	0.0552133	0.720981	0.0472071	0.712051	0.0356444
0.112546	1.44288	0.0518074	0.715406	0.0451563	0.718495	0.0349925
0.101032	1.44106	0.0511899	0.725979	0.0548072	0.716048	0.0369409
0.100331	1.44964	0.0512486	0.713557	0.0386812	0.729548	0.0321596
0.108138	1.44274	0.0471421	0.715368	0.0395173	0.722097	0.0320038
0.112448	1.43545	0.0531765	0.716685	0.0491949	0.726867	0.0388908
0.10246	1.44043	0.0523568	0.708658	0.0399995	0.725204	0.0323259
0.090305	1.44907	0.0527732	0.711863	0.0516793	0.716204	0.0326056
0.106735	1.4467	0.0535375	0.712235	0.0487612	0.717183	0.0333776
0.118077	1.44343	0.0608723	0.717225	0.0433395	0.72088	0.041923
0.096478	1.45058	0.0523891	0.713871	0.0460109	0.712876	0.042581
0.0832042	1.44363	0.0508161	0.711503	0.0473238	0.722856	0.0366014
0.117023	1.43842	0.0532124	0.701758	0.0463577	0.711417	0.0455133
0.0926013	1.44248	0.0579004	0.714115	0.0435705	0.717366	0.0452398
0.100939	1.44724	0.0596303	0.713043	0.0452317	0.72077	0.0391757
0.120275	1.44093	0.0566159	0.711543	0.0464278	0.708272	0.0392626

0.0939606	1.44359	0.0616014	0.708812	0.0369639	0.721427	0.0378637
0.0842214	1.45007	0.062405	0.70272	0.0426486	0.708915	0.0300002
0.0999885	1.43869	0.0611387	0.715645	0.0480288	0.703048	0.0322299
0.110293	1.4322	0.0607602	0.707316	0.0478565	0.70996	0.0336835
0.0776421	1.43642	0.056165	0.712483	0.0442152	0.712322	0.0482027
0.0915889	1.44318	0.0667222	0.712262	0.0404747	0.706357	0.0360474
0.086063	1.4446	0.0705593	0.713571	0.0413902	0.709612	0.0293688
0.101992	1.43383	0.0660199	0.703638	0.0456606	0.714095	0.0390504
0.0746534	1.43732	0.0646394	0.70297	0.0426774	0.713744	0.04198
0.0855542	1.44026	0.0710845	0.712357	0.0462822	0.720351	0.0346563
0.108161	1.44099	0.0664617	0.706174	0.0451315	0.707926	0.0366404
0.101956	1.44192	0.0636711	0.70777	0.0499448	0.708499	0.0393154
0.0910303	1.43313	0.0686477	0.711913	0.0403623	0.708991	0.0369952
0.0939386	1.43238	0.0681786	0.706604	0.039825	0.704686	0.0365297
0.0945612	1.43492	0.0659388	0.709312	0.0498011	0.704779	0.0271222
0.0961785	1.43405	0.0602211	0.704673	0.0329015	0.711034	0.047597
0.0952835	1.43015	0.0538639	0.709054	0.0407793	0.715312	0.0391871
0.0975665	1.42829	0.0679791	0.699821	0.034378	0.707416	0.0311132
0.0833344	1.42968	0.0701344	0.706547	0.0406763	0.704723	0.0428949
0.0986814	1.43243	0.0627319	0.700816	0.0352045	0.704986	0.0397759
0.102459	1.42978	0.063488	0.701931	0.042045	0.709106	0.0370273
0.102086	1.43046	0.0650735	0.698764	0.0430619	0.708581	0.0397009
0.0907508	1.42747	0.0607949	0.70484	0.0438915	0.705243	0.0355643
0.084617	1.42464	0.0593368	0.694686	0.0365648	0.701459	0.0341421
0.0800393	1.42835	0.0558812	0.71293	0.0318291	0.702776	0.0411242
0.0893979	1.43225	0.0626138	0.701373	0.0441493	0.715643	0.0378789
0.0848255	1.43469	0.0676252	0.708654	0.034705	0.705705	0.0321479
0.10123	1.42808	0.0608416	0.713249	0.0427223	0.70646	0.0341822
0.0834103	1.43078	0.0573655	0.70319	0.0415474	0.713435	0.0447263
0.08442	1.43152	0.0618994	0.707951	0.0414091	0.706478	0.0435314
0.092184	1.43013	0.0700764	0.698384	0.0468413	0.711652	0.0388516
0.0847422	1.42726	0.0681325	0.703888	0.0408153	0.706329	0.0365042
0.10528	1.42626	0.0660946	0.716766	0.045921	0.710823	0.0448864
0.088319	1.43071	0.066968	0.698231	0.0444724	0.697274	0.040783
0.0879489	1.42432	0.0626167	0.70237	0.040989	0.719305	0.0316244
0.0747808	1.42808	0.0545267	0.708323	0.044114	0.703831	0.0297215
0.107153	1.43291	0.0533226	0.701672	0.0456043	0.710519	0.0349561
0.0922435	1.43258	0.0547848	0.706459	0.0466093	0.70611	0.0350053
0.0946685	1.43331	0.0627637	0.70808	0.0395232	0.709816	0.0433641
0.0831862	1.42854	0.0692448	0.694842	0.0477242	0.717435	0.0387902
0.0808928	1.42404	0.067044	0.708871	0.0436945	0.706019	0.0503785
0.0936033	1.42579	0.0651897	0.710633	0.0454222	0.714552	0.0438861
0.0909978	1.4285	0.0662643	0.701262	0.0507984	0.702076	0.0301835
0.0899109	1.4258	0.0579193	0.710524	0.0468911	0.70807	0.0410478
0.0869359	1.4187	0.0516015	0.704519	0.0323442	0.705759	0.0343498
0.102791	1.41786	0.0571067	0.704325	0.038557	0.69322	0.0435681
0.103897	1.4193	0.0615703	0.6882	0.039008	0.70776	0.0305519

0.111141	1.41779	0.0572319	0.702602	0.0407582	0.707954	0.0361382
0.0930845	1.42381	0.0564567	0.710208	0.0353545	0.69587	0.0412692
0.100337	1.42428	0.058445	0.711408	0.0352387	0.696859	0.041147
0.0970268	1.42523	0.0537068	0.708877	0.0526105	0.697988	0.0345394
0.0934533	1.42188	0.05259	0.688264	0.0354081	0.690446	0.0323362
0.102269	1.41116	0.0492129	0.700696	0.0445768	0.691817	0.0348633
0.103097	1.41164	0.0474799	0.704712	0.0420848	0.698726	0.0396029
0.0917362	1.41244	0.0506337	0.704338	0.0347312	0.698793	0.0304982
0.0870884	1.41048	0.047564	0.710483	0.0362231	0.694688	0.0396707
0.0914956	1.40736	0.0410239	0.701478	0.0327707	0.701924	0.0396269
0.0828858	1.40345	0.0459529	0.705594	0.0414773	0.689736	0.0389484
0.0814288	1.40104	0.0569702	0.698025	0.0385372	0.68755	0.0389658
0.0839852	1.40193	0.0569253	0.696273	0.0389343	0.677546	0.0379909
0.0635735	1.40638	0.0517255	0.699004	0.0446172	0.68621	0.0382456
0.0941396	1.40429	0.0524744	0.697212	0.0332009	0.689365	0.0387463
0.0809527	1.39767	0.0545313	0.686953	0.0435552	0.683576	0.0422947
0.066298	1.39922	0.0539372	0.68505	0.0411085	0.6898	0.0387223
0.085098	1.40097	0.0496372	0.689762	0.0285716	0.683834	0.0367775
0.0920013	1.39478	0.0478433	0.690435	0.0374579	0.681249	0.0302107
0.0750664	1.39054	0.0516981	0.682171	0.0425431	0.688506	0.0430949
0.075285	1.38561	0.0553938	0.676238	0.0315671	0.67548	0.036499
0.0833774	1.37985	0.0547451	0.689547	0.0415949	0.680883	0.0356976
0.101601	1.37685	0.0480913	0.686722	0.0427786	0.672187	0.0353369
0.0944045	1.377	0.0458378	0.683823	0.036541	0.676625	0.0382414
0.0918071	1.3787	0.047658	0.684354	0.0384494	0.682983	0.0410309
0.0989941	1.3807	0.0481636	0.69172	0.0399527	0.667443	0.0365098
0.0720013	1.3806	0.0509647	0.686749	0.0380663	0.678116	0.0380251
0.0953796	1.37743	0.0477988	0.674093	0.0368449	0.666854	0.0437418
0.0773762	1.3812	0.0433423	0.684769	0.0424707	0.669187	0.033523
0.0856515	1.37822	0.049098	0.693087	0.041588	0.672567	0.0362368
0.0839852	1.36886	0.0499625	0.674342	0.0376929	0.669445	0.0304569
0.102915	1.36196	0.048627	0.687362	0.038992	0.670334	0.0345338
0.0890668	1.3511	0.0485462	0.678928	0.0396002	0.671008	0.0357837
0.100101	1.35325	0.0461845	0.683736	0.0288632	0.675785	0.0338475
0.100848	1.35538	0.0447136	0.680473	0.0370245	0.676351	0.0387953
0.0958809	1.34795	0.0417582	0.679801	0.0389532	0.663388	0.0336504
0.0869473	1.34859	0.0397262	0.674091	0.0345715	0.668891	0.03388
0.0900176	1.35188	0.0453627	0.683908	0.0347493	0.665998	0.0431302
0.0965016	1.34831	0.0438496	0.677492	0.0345978	0.667345	0.0403247
0.111044	1.34279	0.0431634	0.678682	0.0417489	0.659188	0.0260266
0.102288	1.34259	0.0501032	0.668356	0.0322185	0.649725	0.0395195
0.115255	1.34077	0.0511664	0.667002	0.0371394	0.664454	0.0306287
0.111153	1.33221	0.0490672	0.676557	0.0310664	0.654895	0.0343323
0.115234	1.32616	0.0439368	0.670007	0.043694	0.658756	0.0397719
0.116095	1.3326	0.0443122	0.675206	0.0325685	0.648842	0.0350391
0.117553	1.32808	0.0458225	0.666336	0.0370152	0.660341	0.0389992
0.110593	1.32214	0.0471637	0.662234	0.0393488	0.655538	0.0336554

0.121764	1.32455	0.0474255	0.662765	0.0386788	0.651129	0.0395824
0.13066	1.31344	0.0465202	0.662807	0.0352626	0.658852	0.0350145
0.124806	1.31236	0.0548358	0.660699	0.0387252	0.648503	0.0451047
0.116169	1.31701	0.0440938	0.664908	0.0303001	0.645317	0.0342461
0.132494	1.30741	0.0370866	0.657695	0.034679	0.646222	0.0332672
0.12832	1.29996	0.0426088	0.659454	0.0404995	0.65101	0.0331829
0.100938	1.29832	0.0400102	0.64918	0.0397684	0.655495	0.0382063
0.114661	1.29391	0.0422849	0.650616	0.0367764	0.640721	0.0362784
0.142009	1.29404	0.0455336	0.657215	0.0303267	0.639142	0.0329983
0.102742	1.29112	0.0514845	0.656295	0.0369011	0.640073	0.0234456
0.102448	1.28606	0.0429055	0.648343	0.0374234	0.640201	0.0316082
0.112877	1.2886	0.0368601	0.645493	0.0417361	0.628811	0.0371566
0.120204	1.29091	0.0439749	0.649132	0.0356741	0.637475	0.0361977
0.0937429	1.29	0.0448191	0.653296	0.0358702	0.639892	0.0324678
0.132092	1.28949	0.0463644	0.645241	0.0392723	0.632864	0.0388697
0.105841	1.28256	0.0475854	0.645778	0.0430778	0.633163	0.0311302
0.109382	1.27832	0.0485041	0.643876	0.0305927	0.623358	0.0297944
0.0986863	1.27303	0.0477047	0.649457	0.0434509	0.641232	0.0300353
0.0848537	1.26334	0.0446719	0.630073	0.0262246	0.623468	0.0278704
0.107542	1.26619	0.0495323	0.634629	0.0387835	0.620549	0.0265695
0.10933	1.27555	0.0463816	0.632629	0.0366656	0.628093	0.034993
0.0767579	1.27203	0.0474896	0.636568	0.0336887	0.623285	0.0316096
0.123485	1.26655	0.0452769	0.634687	0.0343284	0.630536	0.0317789
0.101539	1.26389	0.0453247	0.638589	0.0289661	0.621599	0.0355444
0.120757	1.26292	0.0494345	0.641129	0.0300482	0.626974	0.0276797
0.121374	1.26179	0.0491146	0.634949	0.0406403	0.628314	0.0285436
0.139132	1.26725	0.0462614	0.63457	0.0361106	0.621101	0.0290496
0.14786	1.26181	0.0423614	0.632954	0.0388922	0.632231	0.0355163
0.171164	1.25182	0.0397695	0.63022	0.038676	0.631681	0.0373888
0.193526	1.2578	0.0410193	0.627513	0.0356612	0.646315	0.0312616
0.247582	1.25569	0.0404354	0.637804	0.0337322	0.63748	0.0302564
0.263696	1.2572	0.0432561	0.635656	0.0329598	0.634947	0.0400308
0.301069	1.26035	0.0485941	0.632457	0.0323479	0.636765	0.0330026
0.367921	1.25187	0.0477282	0.620578	0.0443002	0.642379	0.0297983
0.457773	1.24381	0.0462035	0.62931	0.036889	0.644444	0.0301814
0.544134	1.23931	0.0447766	0.626925	0.0383305	0.645415	0.0239017
0.61111	1.23966	0.0479479	0.637331	0.0379938	0.643675	0.0293549
0.775703	1.23323	0.0394006	0.633383	0.037907	0.647648	0.0247844
0.905482	1.22799	0.0444086	0.631661	0.0344462	0.649411	0.0333066
1.03042	1.22743	0.0482201	0.623174	0.0399218	0.642735	0.0403567
1.25979	1.22959	0.043825	0.630183	0.0394075	0.644019	0.0336604
1.45157	1.22922	0.049796	0.621751	0.0327154	0.654031	0.0309568
1.64597	1.22865	0.042481	0.623846	0.0332633	0.648715	0.0330369
1.8613	1.22818	0.0372315	0.623411	0.0290942	0.64805	0.0314094
2.05954	1.22641	0.0446238	0.622175	0.0322717	0.650809	0.0302424
2.30303	1.22634	0.0430132	0.61582	0.0371494	0.647098	0.0301503
2.52664	1.22403	0.0382491	0.618534	0.0414334	0.646057	0.037371

2.64708	1.21732	0.0387648	0.619539	0.0381463	0.647917	0.0427563
2.85552	1.21144	0.0426931	0.615855	0.0314918	0.648256	0.0295209
2.9436	1.21871	0.0484709	0.615472	0.0280206	0.65567	0.0374932
3.13415	1.21172	0.0442949	0.618943	0.0351935	0.652338	0.0358214
3.18473	1.20188	0.038266	0.615694	0.0382387	0.645687	0.0320862
3.27805	1.20438	0.0406414	0.621583	0.0295541	0.645814	0.0329423
3.1794	1.1977	0.0452878	0.621093	0.0400778	0.63877	0.0351166
3.2049	1.19896	0.0412365	0.612823	0.031728	0.638136	0.0407829
3.15581	1.2016	0.0433144	0.614414	0.0375489	0.649966	0.0302774
2.92544	1.19239	0.0420737	0.606068	0.0338892	0.640013	0.0346894
2.81208	1.18456	0.0387743	0.615071	0.0338894	0.62722	0.0347962
2.62761	1.18989	0.0387616	0.60626	0.0335584	0.636043	0.0233067
2.42302	1.18603	0.0414131	0.605911	0.0358204	0.635739	0.0424043
2.20952	1.18289	0.0399852	0.608238	0.0375094	0.627804	0.0275227
2.06231	1.18746	0.0394933	0.604042	0.0369318	0.608782	0.0269517
1.70888	1.18411	0.0347292	0.600434	0.0302122	0.613611	0.0269963
1.55105	1.18499	0.0350125	0.600592	0.0424811	0.610043	0.0363631
1.32821	1.18179	0.0376538	0.598649	0.0296819	0.60587	0.0358204
1.13807	1.18205	0.0403792	0.586968	0.0266326	0.596864	0.0221463
0.983309	1.17823	0.0416415	0.6007	0.0302499	0.596658	0.0335061
0.815623	1.17295	0.0428417	0.601306	0.0373753	0.588801	0.0290933
0.737745	1.16431	0.0408649	0.585992	0.0377624	0.591407	0.0354479
0.568641	1.15245	0.0398811	0.597308	0.0292843	0.589551	0.0369605
0.458828	1.14778	0.0367321	0.59298	0.0343232	0.589792	0.0229101
0.3762	1.14771	0.0402464	0.59546	0.0287628	0.594297	0.0333934
0.295295	1.14143	0.0390267	0.586606	0.0308155	0.577949	0.026002
0.251799	1.14904	0.0454263	0.588334	0.0332392	0.584366	0.037819
0.218094	1.14721	0.047414	0.58236	0.0276027	0.573505	0.0282392
0.169754	1.13532	0.0437373	0.575531	0.0245452	0.573374	0.0279674
0.130181	1.13318	0.0474821	0.579485	0.0274258	0.567476	0.0300739
0.144582	1.13011	0.0371114	0.584674	0.037816	0.568268	0.03263
0.109767	1.12587	0.0425994	0.57808	0.0386217	0.569458	0.0260791
0.0917397	1.12134	0.041478	0.57527	0.0334841	0.567356	0.0242645
0.0849886	1.12323	0.0388567	0.569083	0.0271563	0.567197	0.0278374
0.0962389	1.11955	0.0342347	0.568567	0.0321331	0.568997	0.0255178
0.0976248	1.10813	0.0374481	0.571145	0.0418494	0.560981	0.0322487
0.0667772	1.10662	0.0398175	0.568055	0.0306499	0.564754	0.0271755
0.0793177	1.10932	0.0379554	0.565448	0.0302939	0.564424	0.0267492
0.0932561	1.11169	0.0327562	0.562594	0.0307871	0.551263	0.0351726
0.0847462	1.11206	0.0368962	0.562348	0.0268158	0.562397	0.0304819
0.0808763	1.10958	0.0355342	0.560285	0.027625	0.562745	0.0268183
0.0972219	1.10407	0.033239	0.561679	0.0358705	0.567264	0.0272288
0.0730407	1.10054	0.0385399	0.560585	0.0209071	0.561813	0.0243766
0.0943243	1.09297	0.0427998	0.561157	0.0311355	0.561021	0.0254645
0.0894272	1.09562	0.0425609	0.554678	0.035197	0.554965	0.0245457
0.0748405	1.09804	0.0437915	0.563027	0.0318454	0.56858	0.0321969
0.0810419	1.09429	0.0409617	0.555545	0.0252018	0.56722	0.0212145

0.0886521	1.09041	0.035411	0.561254	0.0273942	0.581944	0.0278186
0.1251	1.09362	0.0340454	0.559634	0.0290692	0.59107	0.0289373
0.119815	1.09859	0.0456682	0.565122	0.0245927	0.593245	0.0372034
0.142889	1.0939	0.0464831	0.575789	0.0344069	0.608365	0.0313305
0.189147	1.08507	0.0384128	0.57068	0.0285438	0.618517	0.0361685
0.18405	1.08552	0.0321804	0.566301	0.0375976	0.619547	0.0320458
0.17315	1.09018	0.0410703	0.57592	0.0319609	0.650298	0.0309435
0.254773	1.09175	0.0460985	0.57747	0.0296528	0.66052	0.0365374
0.254246	1.09243	0.0424833	0.568147	0.023575	0.663748	0.0330116
0.301366	1.09582	0.0425474	0.578589	0.0310268	0.682468	0.0331501
0.354547	1.09666	0.0413641	0.583165	0.032244	0.690537	0.0363073
0.40947	1.09994	0.0409002	0.589926	0.029986	0.703173	0.0393528
0.425118	1.0998	0.0472461	0.591497	0.0315321	0.71835	0.0286891
0.497074	1.09428	0.0410081	0.595081	0.0376407	0.728671	0.0283762
0.508554	1.0834	0.0400868	0.599664	0.0279214	0.727396	0.0305934
0.589033	1.08354	0.0466132	0.592441	0.0291183	0.738715	0.0352586
0.6463	1.08885	0.047766	0.601189	0.0317899	0.73387	0.027196
0.679752	1.08136	0.0445354	0.603122	0.0302052	0.748683	0.0306015
0.739567	1.0754	0.0397121	0.60104	0.0291126	0.738722	0.0426365
0.784587	1.06367	0.0407103	0.603086	0.033343	0.741363	0.0389861
0.822	1.07028	0.0426148	0.601036	0.0321403	0.72634	0.0395776
0.859581	1.06924	0.0398985	0.585429	0.0313096	0.713327	0.036719
0.856775	1.06153	0.0385777	0.58271	0.0328563	0.698326	0.0322881
0.891109	1.05494	0.0348802	0.5849	0.0283292	0.689774	0.0380274
0.896958	1.04964	0.0384269	0.576596	0.0333576	0.67875	0.0413512
0.884145	1.04544	0.0346073	0.572757	0.0335762	0.669127	0.0297553
0.828954	1.04268	0.0327783	0.568982	0.0310892	0.656739	0.023745
0.827294	1.0379	0.033478	0.563003	0.0281782	0.632083	0.0335872
0.785922	1.03699	0.0308571	0.563215	0.0261628	0.622463	0.0260879
0.775906	1.03101	0.0275941	0.552125	0.0273525	0.612715	0.0342167
0.691692	1.02365	0.0334749	0.545786	0.0328932	0.602831	0.0282029
0.630661	1.02108	0.0382108	0.541412	0.0260563	0.58583	0.024058
0.565208	1.02505	0.0424249	0.542036	0.0267737	0.574448	0.0330356
0.546689	1.021	0.0369895	0.539039	0.0306272	0.572475	0.0365318
0.4416	1.01809	0.0320007	0.540047	0.0322354	0.553166	0.0274394
0.425172	1.02446	0.0334486	0.533162	0.0270018	0.545719	0.0341688
0.368043	1.02003	0.0371281	0.519094	0.0285073	0.534192	0.0309347
0.324495	1.01101	0.032105	0.529307	0.0320441	0.531175	0.0273708
0.262367	1.00743	0.0314257	0.528213	0.0305746	0.532945	0.0237351
0.204157	1.00376	0.0343616	0.523665	0.0287829	0.519223	0.0287663
0.192404	1.00383	0.0391575	0.522634	0.029289	0.521777	0.0276957
0.198821	1.00416	0.0410451	0.517844	0.0293813	0.518049	0.0297293
0.146839	0.999259	0.0382439	0.519167	0.0285114	0.525199	0.029378
0.129758	1.00184	0.0307479	0.524983	0.0261598	0.521158	0.0336887
0.119906	1.00225	0.0322748	0.522673	0.0248386	0.512147	0.0333258
0.0950385	1.00283	0.0331524	0.513186	0.0331692	0.522159	0.0293272
0.0936402	0.997656	0.030806	0.511912	0.0275873	0.50957	0.0336619

0.0777605	0.995641	0.0248131	0.507538	0.0314702	0.510631	0.0306905
0.0868432	1.00018	0.0274932	0.506082	0.0331467	0.517521	0.0280041
0.0673065	1.00103	0.0285663	0.513611	0.0284657	0.518715	0.0227337
0.0839607	0.994646	0.0337611	0.508998	0.0303382	0.513087	0.0225682
0.0576869	0.989575	0.0268119	0.510376	0.0254544	0.500917	0.0311938
0.0557535	0.994026	0.0292375	0.508439	0.0308078	0.511113	0.0306995
0.0669254	0.986697	0.0312665	0.511828	0.0257597	0.509965	0.0238229
0.0534328	0.985704	0.0378245	0.502898	0.0306536	0.500635	0.0256
0.0574546	0.986157	0.0369664	0.498732	0.0275059	0.507395	0.0352704
0.06157	0.985242	0.0355686	0.511228	0.0283829	0.499903	0.0237093
0.0618464	0.986021	0.0314934	0.500227	0.0240717	0.498078	0.0220636
0.0669563	0.984	0.0292699	0.502894	0.0269589	0.50103	0.0341259
0.0550048	0.983025	0.0302248	0.504987	0.0344568	0.492419	0.0321105
0.0623739	0.97959	0.0342939	0.49372	0.0258949	0.498776	0.020413
0.0594516	0.989415	0.0348635	0.501125	0.0299033	0.500619	0.0264417
0.0656972	0.985847	0.0339773	0.504234	0.026278	0.501326	0.0238557
0.0807908	0.97992	0.0308538	0.507019	0.0251673	0.49496	0.0247089
0.0745334	0.985873	0.0341175	0.495599	0.0321173	0.498029	0.0255838
0.0605111	0.985581	0.0282959	0.49852	0.0267587	0.502293	0.0262693
0.0736016	0.985735	0.0296775	0.500766	0.0283596	0.502263	0.0273452
0.0610092	0.995959	0.0314054	0.498589	0.0316555	0.509547	0.0288777
0.0596503	1.00212	0.0293362	0.506157	0.0241281	0.49874	0.0289097
0.0690135	1.01507	0.0357827	0.506052	0.0277745	0.496133	0.0292669
0.0754769	1.03533	0.0288714	0.51268	0.0285148	0.499395	0.0275495
0.0585721	1.03935	0.0350804	0.509427	0.0247627	0.510475	0.0297807
0.0789442	1.05267	0.036399	0.517518	0.0266684	0.508793	0.0252758
0.0791659	1.0735	0.0386439	0.513086	0.0252351	0.513902	0.0204485
0.0659972	1.09941	0.0370176	0.523538	0.0265218	0.521085	0.0347628
0.0815162	1.11994	0.040708	0.537775	0.0251959	0.528297	0.0227271
0.0758593	1.15043	0.0463005	0.548344	0.025859	0.526328	0.0237673
0.0755625	1.177	0.0367798	0.560166	0.0243233	0.547126	0.0307846
0.0812186	1.21044	0.0388332	0.574344	0.029582	0.547777	0.0300401
0.0747864	1.2479	0.0394834	0.587802	0.0308331	0.569014	0.0342412
0.108779	1.27617	0.0433167	0.602877	0.0322254	0.580434	0.0305591
0.100156	1.30305	0.0483299	0.619771	0.0355966	0.59682	0.0337179
0.112132	1.33558	0.0497461	0.64098	0.0359484	0.601878	0.0323842
0.117632	1.35695	0.0557929	0.665854	0.0340825	0.624447	0.0399849
0.132728	1.38296	0.0552849	0.693647	0.0444446	0.635083	0.0280732
0.12888	1.40543	0.0590002	0.714338	0.0350941	0.660092	0.036398
0.153683	1.42928	0.0590506	0.746032	0.0444739	0.668935	0.038271
0.12878	1.43847	0.062565	0.756033	0.04026	0.678959	0.0380035
0.131847	1.44415	0.0612564	0.786891	0.0496505	0.702156	0.0384283
0.132497	1.4448	0.0663833	0.805832	0.0480736	0.710537	0.0456257
0.161418	1.43298	0.0709873	0.817973	0.0330012	0.726272	0.0357718
0.13577	1.42346	0.0647483	0.823334	0.0420481	0.731921	0.0483982
0.149659	1.40159	0.0575754	0.844574	0.0444265	0.734734	0.0389093
0.141784	1.38089	0.0555056	0.849158	0.0538167	0.727876	0.0345122

0.131101	1.35566	0.0553103	0.84465	0.0457149	0.730547	0.0462722
0.122191	1.31954	0.053833	0.847461	0.0470761	0.726661	0.0342682
0.137941	1.28145	0.0551468	0.839858	0.0438848	0.709411	0.0393938
0.134816	1.2427	0.0524113	0.823188	0.0488769	0.705479	0.0375913
0.154089	1.2091	0.0463008	0.814578	0.0520033	0.69312	0.0385905
0.129251	1.17891	0.0434291	0.792843	0.040854	0.686248	0.0389527
0.105734	1.14885	0.0347058	0.765612	0.0420046	0.657828	0.0355056
0.114535	1.09424	0.0401009	0.747202	0.0418846	0.642468	0.0334102
0.110393	1.05661	0.0381485	0.71959	0.0422306	0.616448	0.035555
0.0856758	1.03515	0.0331474	0.699745	0.0351849	0.613105	0.0355483
0.0961957	1.01895	0.0269604	0.666268	0.0278828	0.583526	0.0373329
0.0945416	0.989303	0.0314493	0.64715	0.0343187	0.567516	0.0276147
0.0664684	0.956434	0.0331016	0.620265	0.0390466	0.551923	0.0357574
0.0845601	0.946384	0.0300704	0.590936	0.0301783	0.539808	0.0241573
0.0646871	0.925975	0.0281772	0.564204	0.0355494	0.517163	0.0287582
0.0654316	0.917137	0.0311034	0.549923	0.0262974	0.512381	0.0291403
0.0630177	0.902863	0.0322811	0.534135	0.0263536	0.502427	0.0242057
0.0629234	0.890641	0.0286527	0.524515	0.0213768	0.492158	0.028645
0.0609184	0.878122	0.0287167	0.507819	0.0274654	0.472716	0.0226257
0.0532949	0.876492	0.0272135	0.495379	0.0233792	0.470441	0.0268364
0.0556345	0.877079	0.0250134	0.483165	0.027791	0.46301	0.0244757
0.0487454	0.870332	0.0280173	0.476948	0.0272756	0.45858	0.0216473
0.0627396	0.86488	0.0306825	0.469131	0.0289171	0.45979	0.0249595
0.0479176	0.860683	0.0325882	0.466403	0.0233735	0.450767	0.0273768
0.0588351	0.864316	0.031565	0.455597	0.0166257	0.447924	0.0308231
0.056295	0.855877	0.0265924	0.455665	0.0277762	0.445027	0.0213628
0.0500858	0.840883	0.0266218	0.449565	0.0263953	0.440817	0.0241374
0.0563991	0.846881	0.0298911	0.452392	0.019406	0.441068	0.0250988
0.047789	0.844805	0.0302588	0.447492	0.0231088	0.429166	0.0272465
0.0508902	0.839044	0.0318025	0.452697	0.0291124	0.442328	0.021821
0.0492149	0.835386	0.0287696	0.433888	0.0250138	0.438667	0.0266548
0.0560203	0.835678	0.0243192	0.442506	0.0224293	0.438416	0.0188464
0.0681233	0.827435	0.0244899	0.437472	0.0200283	0.438193	0.0257513
0.0635961	0.824146	0.02689	0.436375	0.0278457	0.429288	0.0218017
0.0624461	0.825567	0.0238017	0.440658	0.0259922	0.431649	0.0283204
0.0521204	0.826646	0.0273617	0.434044	0.0240818	0.429854	0.0227922
0.0637521	0.824646	0.0277782	0.431192	0.0224394	0.426282	0.0257832
0.054732	0.816918	0.0281824	0.427055	0.0208279	0.420004	0.0249756
0.060663	0.811372	0.0306241	0.434	0.0171725	0.419686	0.0278194
0.0543202	0.812777	0.026341	0.429447	0.0190491	0.422033	0.0250487
0.0481495	0.812797	0.0286626	0.426129	0.0193778	0.42269	0.0242191
0.0475975	0.81037	0.03043	0.428854	0.0244361	0.419975	0.0230774
0.0571003	0.807278	0.0250027	0.429965	0.0326343	0.417403	0.0208025
0.0519781	0.807162	0.0301895	0.429104	0.022067	0.42036	0.0229904
0.045744	0.805998	0.0297676	0.425639	0.0192912	0.427794	0.0191488
0.0381278	0.800611	0.0291384	0.41818	0.0231802	0.418376	0.0252245
0.0472112	0.798446	0.0272907	0.425943	0.0228411	0.411109	0.0188679

0.0585236	0.799559	0.0252802	0.416174	0.0276892	0.420487	0.0289776
0.0525688	0.79406	0.0223841	0.425549	0.020934	0.40255	0.0242846
0.0520464	0.793785	0.0223561	0.420998	0.0209242	0.412752	0.0213645
0.0466211	0.793083	0.0242945	0.414535	0.0235736	0.401182	0.0186313
0.051882	0.790297	0.0271956	0.418547	0.0229766	0.4127	0.0246903
0.0426328	0.784639	0.0286496	0.414075	0.0255316	0.406895	0.025058
0.0501727	0.781718	0.0250923	0.417973	0.0197513	0.406731	0.0220611
0.0460051	0.782267	0.0252504	0.408558	0.0266879	0.411543	0.0211635
0.0479068	0.778265	0.0304413	0.415969	0.0227603	0.41771	0.0268133
0.0478654	0.773204	0.0204881	0.404638	0.0195327	0.412348	0.0216291
0.0497992	0.775517	0.0212796	0.409613	0.0256083	0.41648	0.0264609
0.0444827	0.774037	0.0271788	0.412966	0.0229141	0.411026	0.0217219
0.0466107	0.771369	0.0311748	0.41488	0.0218931	0.410093	0.0203103
0.0517436	0.769335	0.0242462	0.403637	0.0194502	0.408929	0.0266093
0.0426326	0.766253	0.0288659	0.409942	0.027525	0.417264	0.0234312
0.0481029	0.765391	0.0350609	0.412239	0.0270171	0.422269	0.0251257
0.0551079	0.763987	0.0276808	0.406511	0.0274668	0.416145	0.021439
0.0546802	0.767928	0.0229508	0.409568	0.0197776	0.419414	0.0270722
0.0496825	0.766906	0.0255323	0.405215	0.0255399	0.421315	0.0207054
0.0495973	0.763863	0.0249923	0.414932	0.0203115	0.425453	0.0247
0.0380337	0.767488	0.0214457	0.409172	0.0205701	0.425839	0.022281
0.0493943	0.759622	0.0214398	0.405054	0.0235398	0.427853	0.0237939
0.0500854	0.761974	0.0172957	0.40667	0.0225893	0.428895	0.0289793
0.0501358	0.754699	0.0208951	0.414075	0.0214057	0.438935	0.0268533
0.0429537	0.759601	0.0225604	0.413302	0.0261318	0.436167	0.0294979
0.0396657	0.760155	0.024064	0.410504	0.0204087	0.446774	0.0231608
0.0425759	0.751605	0.0280242	0.414179	0.0160888	0.453986	0.0263629
0.0558062	0.755217	0.0308293	0.408594	0.0222962	0.450267	0.0269307
0.0440352	0.754813	0.0269256	0.410436	0.0238468	0.461518	0.0274097
0.0434042	0.747365	0.0299256	0.410557	0.0256391	0.451931	0.0244708
0.049587	0.745734	0.0243574	0.415566	0.0243846	0.464478	0.0248163
0.0508302	0.736656	0.0246841	0.416518	0.0245228	0.456758	0.0298259
0.0526076	0.737246	0.0307926	0.415878	0.0244511	0.456323	0.0236086
0.0447252	0.739708	0.0289651	0.413791	0.0252899	0.451664	0.0313497
0.0468624	0.740267	0.0280587	0.401214	0.026158	0.458756	0.0275176
0.0477446	0.732437	0.02851	0.409297	0.0145159	0.447736	0.0221352
0.0396583	0.724488	0.0290959	0.407344	0.0223179	0.443875	0.0281479
0.0321133	0.730549	0.0267629	0.400575	0.020534	0.442666	0.0247246
0.0497316	0.730013	0.0244461	0.400748	0.0292758	0.43308	0.0321437
0.0510215	0.732742	0.0278276	0.399314	0.0166532	0.427346	0.0309577
0.0465795	0.722781	0.0267416	0.401081	0.0253415	0.422558	0.0242924
0.0423502	0.719619	0.0229066	0.394278	0.0220089	0.425	0.0285972
0.0539785	0.715668	0.0262214	0.395829	0.0262688	0.417226	0.0255041
0.0423958	0.715107	0.0293698	0.385969	0.0224635	0.406818	0.0257446
0.0670519	0.712548	0.0249735	0.389074	0.0249674	0.399683	0.0215209
0.0432747	0.710616	0.0169691	0.382327	0.0206576	0.397186	0.0237525
0.0572399	0.704753	0.0292499	0.385885	0.0192884	0.386924	0.0256159

0.0600781	0.695981	0.0271685	0.373345	0.0162088	0.380427	0.019958
0.037758	0.692845	0.0232895	0.373387	0.0203095	0.380548	0.0292195
0.0530108	0.692121	0.0213035	0.38155	0.0269735	0.378579	0.0252618
0.0467394	0.689781	0.0283921	0.380379	0.0170963	0.377401	0.0236705
0.0448662	0.686648	0.0281109	0.369529	0.0189686	0.373727	0.0264051
0.0473737	0.685629	0.0263065	0.366321	0.0247872	0.372295	0.0235615
0.0586769	0.68352	0.0256219	0.362965	0.0190437	0.358029	0.0195621
0.0486992	0.683685	0.0257512	0.3662	0.0210297	0.363197	0.0240371
0.038133	0.67838	0.0250555	0.364216	0.0172361	0.366463	0.0209879
0.0452548	0.681411	0.0227036	0.35796	0.0130407	0.357891	0.0218827
0.0451016	0.673937	0.0215311	0.358705	0.0144574	0.355772	0.0238566
0.0474529	0.672542	0.0217196	0.368693	0.0185423	0.35376	0.0225251
0.0407141	0.671245	0.0196844	0.361625	0.0158067	0.347441	0.0205858
0.0428905	0.676854	0.0226516	0.353863	0.0207267	0.356192	0.0189762
0.0455852	0.667599	0.0264728	0.355378	0.0213734	0.354444	0.0202569
0.0376696	0.67301	0.0273741	0.354422	0.0216122	0.348959	0.0257788
0.039481	0.670157	0.0237428	0.353786	0.0177418	0.355766	0.0197548
0.0439456	0.661641	0.0238591	0.354316	0.0183332	0.346011	0.0207166
0.0411927	0.658701	0.0188929	0.350008	0.0159219	0.350062	0.022082
0.0462417	0.659992	0.0261251	0.350929	0.0148095	0.34856	0.0193733
0.056527	0.660849	0.0198343	0.346138	0.0190564	0.342703	0.0240187
0.0340806	0.661062	0.0222908	0.35145	0.019411	0.345008	0.0205929
0.0497663	0.654721	0.0212547	0.343284	0.0154633	0.340916	0.0220572
0.0391072	0.659094	0.0197492	0.344713	0.0206748	0.340908	0.0219941
0.043448	0.656345	0.0222248	0.346898	0.019487	0.344208	0.0264802
0.0349256	0.653124	0.0212379	0.339777	0.0200909	0.331576	0.0190112
0.0381083	0.644772	0.0285652	0.342723	0.0209833	0.332668	0.0184463
0.0444462	0.644196	0.0209477	0.337164	0.0187544	0.340051	0.0232909
0.0375173	0.646986	0.0236757	0.342121	0.017516	0.334679	0.0175857
0.0353466	0.65278	0.0252559	0.340733	0.014122	0.336133	0.0234568
0.0513267	0.641094	0.0217831	0.337174	0.0232763	0.337137	0.026862
0.0379722	0.638855	0.022666	0.340955	0.0275116	0.337196	0.0195013
0.0502899	0.640201	0.0218142	0.335805	0.0219982	0.331789	0.019015
0.0441164	0.640256	0.0227464	0.340434	0.0214446	0.336536	0.0207594
0.0445084	0.647253	0.0237528	0.336574	0.0231635	0.334589	0.023015
0.0513135	0.642715	0.0270494	0.340623	0.0174381	0.329531	0.0229888
0.0394538	0.648174	0.0197681	0.340641	0.0197299	0.339213	0.0219334
0.0494087	0.64538	0.0219327	0.340812	0.0171191	0.342088	0.0203416
0.0422088	0.645536	0.0253367	0.341921	0.0182839	0.338069	0.0176739
0.052899	0.644112	0.0232682	0.340677	0.0230709	0.345479	0.0214831
0.0404605	0.645435	0.0190802	0.338562	0.019938	0.346402	0.0247856
0.0424381	0.650987	0.0256138	0.336275	0.0186467	0.353182	0.0245818
0.0431262	0.660208	0.0284975	0.338627	0.0171146	0.364503	0.0247813
0.0418752	0.6576	0.0265624	0.343672	0.0197344	0.369209	0.0322257
0.0469988	0.660765	0.0217493	0.347242	0.0193345	0.38537	0.030603
0.0366562	0.663251	0.0188219	0.346609	0.0232601	0.391893	0.0348606
0.0437251	0.676303	0.02516	0.348854	0.0214186	0.397409	0.0281381

0.0449088	0.677483	0.0243285	0.356654	0.0156115	0.415237	0.0356679
0.0499905	0.688757	0.0197285	0.365711	0.0181508	0.43848	0.0448374
0.0349152	0.699272	0.0170322	0.368957	0.0216061	0.457067	0.0418102
0.0564789	0.712325	0.0270482	0.370526	0.0196264	0.483391	0.0599672
0.0486349	0.727796	0.0296314	0.376651	0.0206413	0.49885	0.0571215
0.0485971	0.722466	0.0254026	0.395938	0.0251583	0.524004	0.0601528
0.0472588	0.73706	0.0231146	0.404614	0.0207165	0.557225	0.0687583
0.0524757	0.747916	0.0205102	0.411753	0.0239632	0.579563	0.0807572
0.0559703	0.762385	0.0256252	0.420148	0.0240425	0.606909	0.0877522
0.042621	0.77201	0.0260746	0.431654	0.0195671	0.635732	0.0952725
0.0549267	0.780269	0.0215486	0.44473	0.0211101	0.667017	0.0998635
0.0469485	0.791484	0.0318056	0.456858	0.0216308	0.705199	0.0944304
0.0442162	0.797776	0.0327868	0.480029	0.0221039	0.727811	0.127768
0.0508555	0.809909	0.027085	0.482453	0.0316144	0.749183	0.127622
0.0626759	0.813176	0.0290726	0.502075	0.0257446	0.769638	0.124448
0.0550165	0.811581	0.0308201	0.508342	0.0248248	0.795617	0.135094
0.0532766	0.812008	0.029293	0.509957	0.0285781	0.814163	0.141253
0.0613202	0.815067	0.0228122	0.511584	0.0254675	0.830501	0.134367
0.0508464	0.818117	0.0259702	0.53078	0.0321322	0.823038	0.146021
0.0707803	0.798804	0.026084	0.531086	0.0311215	0.833574	0.14123
0.0537283	0.794804	0.02633	0.538802	0.0394089	0.834374	0.135727
0.0651188	0.792224	0.0228581	0.540488	0.0325965	0.810286	0.135173
0.057123	0.775008	0.0303802	0.538413	0.028645	0.807028	0.135549
0.0607703	0.767637	0.0223655	0.532334	0.0369477	0.771113	0.126266
0.071286	0.755825	0.0180923	0.526797	0.0240686	0.769833	0.113973
0.0576698	0.747913	0.0217213	0.525714	0.0295341	0.737492	0.123207
0.0606999	0.727245	0.02121	0.51483	0.0302727	0.71335	0.113353
0.0642087	0.705739	0.02423	0.503305	0.0284523	0.679338	0.0974304
0.0527581	0.692136	0.0253577	0.503775	0.0293333	0.642653	0.085624
0.0557089	0.687588	0.0264523	0.481711	0.0285453	0.612507	0.0894132
0.0589636	0.673245	0.0193362	0.468009	0.0268178	0.583644	0.0741484
0.0530875	0.658519	0.0220925	0.451696	0.0294765	0.542476	0.0673739
0.0583146	0.647089	0.0217116	0.43574	0.0230254	0.513141	0.0635922
0.0620079	0.637638	0.014804	0.421981	0.0232822	0.48993	0.0476258
0.0533696	0.624485	0.0217441	0.413334	0.0178441	0.462913	0.0519121
0.0540233	0.616813	0.0214898	0.397397	0.0243879	0.435431	0.0379729
0.04195	0.602195	0.0186244	0.389743	0.0181314	0.405328	0.0302479
0.0392748	0.593813	0.0187413	0.36742	0.0169124	0.388454	0.0347714
0.0410138	0.588403	0.0214799	0.357884	0.0222937	0.37357	0.0356044
0.0402857	0.590264	0.0232297	0.353341	0.0178316	0.365094	0.0264946
0.0382588	0.587836	0.0290248	0.340797	0.0173109	0.351892	0.024761
0.0411116	0.574135	0.0223212	0.338911	0.0167027	0.333162	0.0200853
0.046213	0.570394	0.0179717	0.331315	0.0208092	0.323021	0.0213067
0.040953	0.571483	0.0293355	0.326713	0.0211033	0.320284	0.0267759
0.0341542	0.572715	0.0252861	0.319795	0.0187405	0.320408	0.0260058
0.036261	0.561584	0.0204817	0.32	0.022593	0.305116	0.0220761
0.0418148	0.557058	0.0253809	0.309518	0.0194989	0.304268	0.0227584

0.0448648	0.557769	0.02605	0.310902	0.0141982	0.300295	0.0147141
0.0419151	0.555902	0.0165157	0.312904	0.0156141	0.302312	0.019235
0.0404016	0.558905	0.0244151	0.304847	0.0182399	0.299267	0.0240413
0.0399947	0.547085	0.0223886	0.30958	0.0160625	0.300842	0.0214179
0.0352383	0.556616	0.0167739	0.297802	0.0157153	0.298879	0.0151275
0.0444747	0.549672	0.02116	0.304247	0.019214	0.294814	0.0203473
0.0384344	0.543581	0.0204405	0.308084	0.0161646	0.290172	0.0241629
0.0355205	0.538018	0.0247455	0.299853	0.021649	0.295095	0.0187486
0.0395421	0.536289	0.0218367	0.291377	0.015218	0.29595	0.0178175
0.0357673	0.544097	0.0216103	0.297038	0.0173939	0.29236	0.0204468
0.0469588	0.534984	0.0180879	0.298412	0.0198015	0.293354	0.0185378
0.0432845	0.536754	0.0230375	0.296714	0.0172905	0.28703	0.0205477
0.0486171	0.53656	0.021383	0.288338	0.0196591	0.289979	0.0186529
0.0386798	0.528944	0.0218459	0.288332	0.0134976	0.285249	0.0205026
0.0431221	0.528747	0.029477	0.293629	0.0176751	0.288418	0.020304
0.0459433	0.531676	0.0214465	0.287515	0.0185891	0.282906	0.0230515
0.0368743	0.520433	0.0183491	0.285997	0.0187387	0.286876	0.0192381
0.0380321	0.532344	0.0212389	0.290984	0.0180403	0.279697	0.016542
0.0365383	0.520787	0.0217893	0.287692	0.0182862	0.2831	0.0163838
0.0383428	0.525189	0.0202209	0.283285	0.0140184	0.274744	0.0178223
0.0294809	0.515541	0.022715	0.286854	0.0208952	0.278566	0.022182
0.0419079	0.521614	0.020392	0.2843	0.012345	0.283437	0.0209458
0.039431	0.511983	0.0204906	0.282969	0.0131457	0.273953	0.0168841
0.0420719	0.504531	0.0225559	0.284537	0.0233943	0.276833	0.0155869
0.039911	0.507283	0.0259529	0.278227	0.0144627	0.276987	0.0205825
0.0354551	0.514708	0.0198623	0.277837	0.0131031	0.273524	0.0190459
0.0381465	0.50871	0.0225048	0.276856	0.0177332	0.275546	0.0209097
0.0341122	0.50433	0.0229726	0.273921	0.015517	0.275223	0.0201422
0.0440397	0.503455	0.0233934	0.272743	0.0180769	0.270936	0.0189398
0.0350447	0.511267	0.0219668	0.276356	0.0168305	0.275417	0.0206982
0.0404944	0.51034	0.0213928	0.26727	0.0154132	0.274247	0.0178481
0.0443656	0.508658	0.0222969	0.268205	0.0164777	0.269555	0.0213876
0.0359424	0.49691	0.0216432	0.27318	0.0144613	0.271647	0.0146854
0.0281955	0.497804	0.0224531	0.276225	0.017228	0.274439	0.0190167
0.0338622	0.498626	0.0215172	0.271548	0.0144541	0.270423	0.0207952
0.0365744	0.49779	0.0249147	0.269326	0.0147475	0.269207	0.0177413
0.0206119	0.500024	0.0242046	0.268599	0.0166966	0.268105	0.0179647
0.0312019	0.496932	0.0169653	0.268487	0.0147575	0.270618	0.0163692
0.0438715	0.49261	0.0198098	0.270028	0.0181813	0.26529	0.0201737
0.0394494	0.489863	0.0222472	0.268349	0.0157069	0.277597	0.016808
0.0377763	0.48683	0.0270252	0.264748	0.0176709	0.268625	0.0183295
0.0346687	0.490114	0.0227698	0.271276	0.0163439	0.273049	0.0209648
0.0391935	0.49612	0.0183822	0.26672	0.0144621	0.269919	0.0184228
0.0496102	0.489784	0.020022	0.272499	0.016983	0.272763	0.0192906
0.0356873	0.485948	0.0243208	0.272982	0.0196362	0.269692	0.0173109
0.0415323	0.492964	0.0245783	0.26959	0.017414	0.280325	0.0263023
0.0360291	0.477085	0.0221343	0.258469	0.0194164	0.286673	0.0207159

0.0399994	0.482793	0.0179749	0.257018	0.0145516	0.271959	0.0167625
0.0382244	0.477815	0.0207709	0.267558	0.0194075	0.271413	0.0231129
0.0318982	0.476233	0.0261687	0.261895	0.0116931	0.278919	0.017669
0.0372994	0.481425	0.020569	0.266175	0.0131232	0.276942	0.01909
0.0379482	0.480211	0.0203949	0.261854	0.0174585	0.281627	0.0171868
0.0403691	0.481538	0.0190014	0.270081	0.0163304	0.279327	0.0200482
0.0336139	0.479563	0.019813	0.263765	0.0168103	0.277725	0.018891
0.034002	0.472193	0.0174757	0.270792	0.0182967	0.281172	0.0182884
0.0325003	0.475423	0.0262877	0.258205	0.0173405	0.278743	0.018992
0.0324401	0.474708	0.0201931	0.263103	0.0163969	0.278186	0.0176481
0.0349006	0.473325	0.0231739	0.264415	0.0136093	0.279324	0.0183133
0.0392216	0.474827	0.0157827	0.257946	0.0139462	0.278761	0.0227503
0.0318716	0.468484	0.0219865	0.260655	0.0176079	0.277522	0.0221045
0.0453572	0.473354	0.0239037	0.265357	0.0122671	0.276146	0.0186435
0.0344242	0.470872	0.0170311	0.261012	0.0150994	0.280223	0.0189235
0.0345738	0.467145	0.0240564	0.258438	0.0153863	0.283218	0.0155841
0.0366106	0.471403	0.0227685	0.265287	0.0173219	0.268833	0.0186138
0.0290035	0.465356	0.0167021	0.262326	0.0155179	0.270531	0.0218325
0.0355494	0.454191	0.0190121	0.255187	0.0137097	0.262899	0.0183797
0.0434815	0.461317	0.0176881	0.257661	0.0183184	0.265688	0.0177869
0.0363845	0.459885	0.0181255	0.265961	0.0156811	0.260898	0.0145303
0.0347338	0.45815	0.020304	0.260703	0.0187557	0.270649	0.0192393
0.0389378	0.462774	0.0240838	0.257313	0.0132644	0.270725	0.0220085
0.0327146	0.46286	0.0170108	0.258223	0.0161087	0.259827	0.0187211
0.0360397	0.459155	0.0191234	0.256421	0.018986	0.261021	0.016711
0.0408513	0.454208	0.0150299	0.253605	0.015782	0.261881	0.0169508
0.0491888	0.447552	0.0199944	0.255981	0.0154621	0.260825	0.0207438
0.0349903	0.452745	0.0218852	0.25401	0.0158756	0.259459	0.0245501
0.0390549	0.450426	0.0218848	0.254488	0.0101616	0.256774	0.0175321
0.0346003	0.447074	0.0151857	0.258077	0.0120771	0.262632	0.018387
0.0436333	0.451604	0.0154663	0.249205	0.016532	0.254295	0.01697
0.0324173	0.447869	0.0221176	0.25264	0.0147766	0.249357	0.0153469
0.036047	0.445657	0.0168379	0.248768	0.0157841	0.253934	0.019646
0.0439519	0.443887	0.0197189	0.248142	0.0175681	0.249508	0.0138252
0.0363799	0.449644	0.0183612	0.254785	0.0149886	0.247946	0.0158805
0.0338196	0.445566	0.0208859	0.247596	0.017711	0.251211	0.0206203
0.0314052	0.439542	0.0166092	0.246462	0.00994866	0.242652	0.0182082
0.0438828	0.446119	0.0208477	0.246378	0.0129158	0.245739	0.0169437
0.0342599	0.436403	0.0172917	0.246179	0.0164997	0.243385	0.0167754
0.0342557	0.442726	0.0220037	0.251691	0.0192403	0.245278	0.0159876
0.0425152	0.439183	0.0200439	0.245721	0.0145341	0.246308	0.0155484
0.0285654	0.440211	0.0135956	0.245767	0.0146846	0.243722	0.0182558
0.0355198	0.435953	0.0146302	0.248512	0.0177029	0.251354	0.017443
0.0351915	0.441405	0.0158365	0.250501	0.0149875	0.245208	0.0198635
0.0270796	0.436094	0.0189741	0.248537	0.0143796	0.241318	0.0195417
0.0455328	0.435273	0.0168509	0.24368	0.014441	0.246712	0.0164668
0.0389961	0.432771	0.0174915	0.248786	0.0129048	0.239188	0.0220268

0.0416297	0.433166	0.0179146	0.240254	0.0131614	0.243194	0.0157493
0.0373225	0.430728	0.0175184	0.245782	0.0152361	0.246277	0.0167773
0.0274715	0.429069	0.0195657	0.245068	0.0135705	0.252021	0.019115
0.0326819	0.437419	0.0193088	0.243448	0.0146671	0.242717	0.0201787
0.038475	0.428302	0.0200783	0.239429	0.0156483	0.240162	0.0170537
0.033838	0.427432	0.0179746	0.241428	0.0140709	0.239273	0.0124491
0.0386222	0.433987	0.0115112	0.236101	0.0137512	0.238551	0.0168564
0.0472658	0.429551	0.0174449	0.24119	0.0128769	0.240909	0.0177575
0.0298682	0.427399	0.0179721	0.244653	0.0193901	0.240026	0.0162068
0.0369498	0.424716	0.0166305	0.23566	0.017091	0.237969	0.0179128
0.0423897	0.423655	0.0172403	0.241492	0.0142742	0.241434	0.0184477
0.0346627	0.422788	0.0260153	0.24092	0.0160347	0.24213	0.0186156
0.0434039	0.426262	0.0194732	0.240367	0.0172558	0.2373	0.0147779
0.0316453	0.422864	0.0206504	0.235397	0.0145531	0.243111	0.020314
0.0313298	0.416766	0.013355	0.244711	0.0148191	0.241291	0.0168781
0.0397436	0.418768	0.0179042	0.233287	0.0140818	0.236018	0.0164308
0.0348478	0.424208	0.0124565	0.238637	0.0213324	0.235243	0.0178082
0.0322181	0.42154	0.0181256	0.241361	0.0224114	0.24453	0.0157426
0.0336155	0.419797	0.0171931	0.240081	0.0185817	0.236114	0.0245502
0.0338597	0.414411	0.0122228	0.236947	0.0177449	0.235501	0.0179089
0.0427373	0.416822	0.0142669	0.241412	0.0149486	0.234452	0.0194229
0.033264	0.422664	0.0174152	0.240442	0.0155749	0.237748	0.0190739
0.0344603	0.416331	0.0194614	0.238081	0.0168544	0.235255	0.0169395
0.0394936	0.419402	0.0189437	0.236341	0.0160139	0.23881	0.0175817
0.0385123	0.417415	0.0191749	0.239817	0.014286	0.237645	0.0179959
0.0359626	0.412125	0.0152211	0.233679	0.0115277	0.235661	0.0160781
0.0313752	0.419755	0.0160282	0.235001	0.0131759	0.243434	0.0232771
0.0297175	0.421599	0.0189616	0.237909	0.0197348	0.231824	0.0174158
0.0315153	0.42267	0.0223296	0.243036	0.0159872	0.236164	0.0181435
0.0352495	0.416733	0.0175163	0.235882	0.0165001	0.240946	0.0187893
0.0433127	0.416327	0.0177315	0.235454	0.0114623	0.239167	0.017945
0.0354092	0.417398	0.0193892	0.236777	0.0132609	0.241086	0.0180503
0.0270859	0.423137	0.0140097	0.238967	0.0107688	0.244887	0.0196256
0.0367421	0.416384	0.0139708	0.24475	0.0156334	0.241105	0.0188978
0.0346756	0.416706	0.0203707	0.244787	0.0149402	0.237215	0.0142422
0.0387486	0.416952	0.0187537	0.246291	0.0174945	0.234962	0.0170258
0.0411288	0.41525	0.0159114	0.246176	0.015149	0.249713	0.0182447
0.0344498	0.417493	0.019311	0.242911	0.0125316	0.243127	0.017051
0.0362179	0.419527	0.0166981	0.239863	0.0157595	0.246516	0.0171495
0.0295133	0.419275	0.0196602	0.245013	0.014245	0.244413	0.0193676
0.0287029	0.424448	0.0123149	0.246666	0.0175636	0.244709	0.0172198
0.0397375	0.42318	0.0136604	0.245794	0.0205397	0.245031	0.0147768
0.0376683	0.419833	0.0158042	0.249554	0.0115385	0.246643	0.0212603
0.0296935	0.421532	0.0172049	0.24718	0.0139153	0.248771	0.0168964
0.0346275	0.419851	0.0146768	0.246465	0.0177814	0.256126	0.0207353
0.0389252	0.415456	0.0159521	0.249726	0.0147597	0.2492	0.0189501
0.0345616	0.412278	0.0170378	0.245706	0.0142602	0.250508	0.0201534

0.0366429	0.41553	0.0165187	0.254095	0.0149798	0.25509	0.0203739
0.0414786	0.417036	0.0159911	0.259145	0.0165377	0.255337	0.0160383
0.0346457	0.416898	0.0154961	0.255001	0.0188547	0.259704	0.0186095
0.0461404	0.41838	0.0175184	0.251447	0.0159876	0.263762	0.0222539
0.0321862	0.418841	0.0143975	0.251598	0.0133169	0.262454	0.018963
0.0300424	0.420267	0.0155532	0.25341	0.0153976	0.263948	0.0195644
0.041793	0.415252	0.018078	0.256249	0.0140649	0.273994	0.0187149
0.0370777	0.419197	0.013021	0.252839	0.0173876	0.272726	0.0216376
0.0330266	0.420535	0.0144428	0.251188	0.0146294	0.269874	0.021699
0.0262478	0.420393	0.0162391	0.259402	0.0156704	0.27934	0.0248237
0.0424888	0.416072	0.0163563	0.256676	0.0153439	0.280738	0.0217083
0.0354099	0.412331	0.0147233	0.256174	0.0138372	0.292204	0.0247353
0.0389657	0.417238	0.0179344	0.255878	0.0155225	0.292495	0.0252661
0.0341831	0.414896	0.0164641	0.256793	0.0134732	0.29322	0.0294909
0.0330551	0.423781	0.0186681	0.259334	0.0166146	0.297913	0.0235727
0.0357706	0.421632	0.0180672	0.259344	0.0144451	0.302368	0.0240532
0.0361021	0.416106	0.0152429	0.270644	0.0177375	0.310848	0.0282386
0.0381735	0.416957	0.0185382	0.25617	0.0151141	0.314342	0.0188869
0.0334017	0.415034	0.0144833	0.260327	0.0156107	0.312889	0.0300223
0.0283496	0.412605	0.0129988	0.263001	0.0174547	0.313103	0.0337054
0.0457688	0.412453	0.0175376	0.260936	0.0129992	0.310941	0.0307936
0.0398106	0.415599	0.0154347	0.266526	0.0199095	0.313964	0.0307738
0.0449681	0.413886	0.012134	0.262811	0.0178237	0.314604	0.0288104
0.0428704	0.408409	0.0125936	0.263617	0.0167188	0.317571	0.0326987
0.0393857	0.408273	0.0145721	0.264979	0.015477	0.310722	0.0256027
0.037476	0.407172	0.0151952	0.262813	0.0173756	0.312554	0.0355438
0.0358508	0.407262	0.0197233	0.260321	0.0167814	0.303266	0.0256318
0.0364007	0.403747	0.013149	0.261773	0.0141852	0.300111	0.0252843
0.035492	0.401483	0.0151225	0.256079	0.0163401	0.299576	0.0242542
0.0369888	0.402863	0.0170897	0.260762	0.0170128	0.296168	0.0252723
0.0307645	0.402401	0.0194179	0.262478	0.0172493	0.292766	0.0199751
0.0395873	0.401665	0.016253	0.257007	0.016432	0.290819	0.0316359
0.0420003	0.398453	0.0154712	0.254034	0.0123125	0.282391	0.0223119
0.0277698	0.390333	0.0138211	0.249715	0.0152955	0.276785	0.0249936
0.0307725	0.393466	0.0128197	0.247372	0.0185381	0.267664	0.0220174
0.0319938	0.394308	0.0151051	0.246247	0.0150065	0.268985	0.024277
0.0330772	0.392272	0.013335	0.25404	0.0174201	0.271682	0.0189224
0.0359896	0.391373	0.0133689	0.252699	0.0171021	0.265604	0.0164757
0.0361928	0.39216	0.0103582	0.252019	0.0145797	0.262246	0.0178199
0.0377474	0.390431	0.0130987	0.252723	0.0146483	0.258747	0.0162847
0.0381546	0.391202	0.0163059	0.253397	0.0161954	0.24736	0.0168355
0.0341811	0.389374	0.0160497	0.247749	0.0125935	0.254858	0.0187629
0.0287212	0.391476	0.0175517	0.246892	0.017383	0.260245	0.0245282
0.0346388	0.399185	0.0107967	0.242999	0.0155415	0.260838	0.0206307
0.035162	0.3874	0.012002	0.242197	0.0150966	0.261973	0.0176447
0.0261867	0.388429	0.0134618	0.247891	0.0140523	0.257529	0.0181638
0.0361893	0.388309	0.0121326	0.249143	0.014907	0.256182	0.0230698

0.0347512	0.389598	0.015028	0.252357	0.0164369	0.260373	0.0218091
0.041671	0.390695	0.0147185	0.247623	0.011059	0.26149	0.0169612
0.0371317	0.3924	0.0135137	0.251607	0.0173483	0.259441	0.0190671
0.0292654	0.390996	0.0123391	0.248925	0.017209	0.261915	0.0213596
0.0324212	0.389741	0.010756	0.24903	0.0162515	0.258016	0.0179402
0.0485707	0.393148	0.017555	0.253955	0.0161479	0.256512	0.0181962
0.0329451	0.389643	0.0181227	0.256247	0.0165983	0.26519	0.0220422
0.0340001	0.387549	0.0150368	0.250628	0.0143536	0.264771	0.0193533
0.0406995	0.390098	0.0165614	0.250244	0.0182757	0.263623	0.0168542
0.0419439	0.391317	0.018234	0.248506	0.0141684	0.261164	0.0173376
0.0356507	0.391253	0.0114351	0.253695	0.0113784	0.269301	0.0195349
0.0348849	0.395612	0.0155457	0.260104	0.0125173	0.265301	0.0161759
0.0323531	0.395965	0.0148675	0.25632	0.017904	0.268364	0.0194802
0.0367166	0.393924	0.0142721	0.255489	0.0125374	0.264683	0.0251788
0.0286205	0.393323	0.0117365	0.255014	0.0192305	0.263516	0.0165632
0.0337605	0.392257	0.0158998	0.259916	0.0133176	0.272508	0.0221598
0.0411414	0.39805	0.0184206	0.258963	0.0139807	0.263056	0.0160776
0.0319093	0.399477	0.0138977	0.260356	0.0131017	0.258639	0.0179728
0.033852	0.393985	0.0136109	0.265124	0.0124227	0.272878	0.0164964
0.0327059	0.396113	0.015441	0.261164	0.0117176	0.267759	0.0212574
0.0329393	0.401479	0.0173921	0.269363	0.0171357	0.268982	0.0200847
0.028204	0.40246	0.0141212	0.265059	0.0157131	0.271692	0.0193944
0.0355349	0.396777	0.015397	0.263926	0.0154669	0.265845	0.0194711
0.0235923	0.402671	0.0185724	0.270886	0.0173917	0.279744	0.0202696
0.0388001	0.403811	0.0143848	0.266135	0.0136081	0.272299	0.0193847
0.0342074	0.406873	0.0140398	0.265204	0.0160464	0.277598	0.0168999
0.0308666	0.404387	0.020345	0.270961	0.0178563	0.277412	0.0195002
0.0312072	0.408715	0.014211	0.272486	0.0138924	0.281272	0.0180937
0.0445887	0.413484	0.0173323	0.276873	0.019943	0.2747	0.0175223
0.0389423	0.416411	0.0137442	0.279181	0.0159222	0.281921	0.0177627
0.0444246	0.416918	0.0143402	0.275219	0.0161122	0.285841	0.0196293
0.0240386	0.417583	0.0146087	0.275876	0.0181036	0.293176	0.0176219
0.0439062	0.417305	0.0178338	0.276442	0.0188613	0.285674	0.0202713
0.0346897	0.421159	0.0193026	0.285536	0.0172213	0.2912	0.0205852
0.0382366	0.425309	0.0146197	0.287387	0.0118997	0.287358	0.0178015
0.0326898	0.423145	0.0145366	0.2891	0.0118113	0.297056	0.0214003
0.040071	0.425518	0.0136378	0.283936	0.0146948	0.297397	0.0222132
0.0345933	0.426004	0.0164048	0.29168	0.0185203	0.304643	0.0208435
0.0363562	0.430601	0.0176897	0.292157	0.0160708	0.305203	0.0239154
0.0369077	0.437366	0.0141739	0.298291	0.01646	0.309319	0.0194727
0.0381477	0.440396	0.0167175	0.294288	0.017727	0.312765	0.0201476
0.0364585	0.444573	0.0189691	0.311851	0.0152371	0.307971	0.020459
0.0425807	0.448332	0.0176173	0.308453	0.0153966	0.319724	0.0196662
0.0344847	0.454416	0.0155608	0.31468	0.0188084	0.323874	0.0245532
0.0385776	0.460929	0.0153041	0.312455	0.0243675	0.334231	0.0262079
0.0369052	0.465225	0.0143314	0.314506	0.0172435	0.345327	0.0255198
0.0352727	0.470955	0.0174713	0.322637	0.0153639	0.335443	0.0224756

0.0396855	0.471109	0.0161128	0.324539	0.017481	0.341925	0.0202469
0.0459344	0.479158	0.014111	0.331857	0.0193889	0.35012	0.0193457
0.0383598	0.484454	0.0179686	0.337397	0.0167927	0.353456	0.0228626
0.0421719	0.489257	0.0167941	0.339259	0.0190265	0.358608	0.0180711
0.03751	0.498705	0.0172208	0.34538	0.0253614	0.365806	0.0195915
0.044368	0.508893	0.013581	0.344521	0.0163891	0.365603	0.0242904
0.048557	0.518629	0.0157543	0.350572	0.0179242	0.381997	0.0281026
0.0374921	0.523263	0.0166316	0.36561	0.019196	0.387923	0.0301186
0.0505527	0.530342	0.02019	0.36597	0.0196331	0.392311	0.0193866
0.0388099	0.53919	0.0176756	0.37659	0.0179669	0.404557	0.0203034
0.0390637	0.547247	0.015956	0.381241	0.0181212	0.418569	0.0282249
0.0397629	0.55789	0.0186256	0.390789	0.0169445	0.426584	0.0230505
0.047739	0.572542	0.0191619	0.403404	0.0227726	0.427528	0.0238725
0.0408826	0.577282	0.0178193	0.410035	0.0180107	0.440122	0.0221292
0.0419429	0.593078	0.0190404	0.41881	0.0208276	0.448514	0.0267911
0.0407602	0.610323	0.0187357	0.425859	0.0187285	0.452033	0.0267201
0.0445503	0.615465	0.0210464	0.432829	0.0187172	0.467269	0.0266842
0.0446157	0.625962	0.0230385	0.45063	0.0255211	0.478266	0.0250656
0.0531105	0.638834	0.0229899	0.457055	0.0219198	0.493231	0.0324251
0.0435292	0.651341	0.0167815	0.47026	0.0188701	0.508898	0.0240535
0.0518816	0.666004	0.0187523	0.480667	0.0224866	0.51834	0.0264792
0.0616761	0.687543	0.0208961	0.499417	0.0229456	0.524782	0.0245185
0.0486968	0.700541	0.0212243	0.507863	0.0233678	0.54801	0.0339522
0.0501058	0.712904	0.0269648	0.513147	0.0274151	0.555662	0.027912
0.0517564	0.728546	0.0193262	0.524424	0.0281981	0.580081	0.0313744
0.0407645	0.746362	0.0202056	0.554655	0.0266867	0.572858	0.0269076
0.0551209	0.755085	0.0203742	0.565292	0.0229142	0.59868	0.031674
0.0560542	0.766122	0.0234326	0.578651	0.0280626	0.626534	0.0304952
0.0490676	0.782113	0.0263525	0.586925	0.0252837	0.633774	0.0308626
0.0548789	0.797862	0.0269638	0.602506	0.0206081	0.646446	0.0422688
0.0492161	0.809389	0.0256855	0.625527	0.0259288	0.662398	0.0279641
0.036757	0.824901	0.0195607	0.641372	0.0267596	0.677676	0.0308556
0.0535237	0.843292	0.0231534	0.657285	0.0266259	0.70034	0.0338806
0.0514744	0.854862	0.0192724	0.685383	0.0271961	0.71128	0.0281962
0.0613098	0.867851	0.0202639	0.686731	0.0233361	0.736713	0.0351319
0.0630335	0.876502	0.0221038	0.722028	0.0242996	0.74652	0.03479
0.0620185	0.886373	0.0230033	0.719338	0.0326287	0.753571	0.0376029
0.0631364	0.904726	0.0207525	0.730561	0.0274392	0.773043	0.0377463
0.0530376	0.913157	0.0227166	0.759976	0.0297125	0.792554	0.0333439
0.046779	0.923297	0.0223315	0.773144	0.0290197	0.805731	0.0382373
0.0524637	0.925443	0.0226282	0.792968	0.0268663	0.815342	0.0325052
0.0609754	0.938672	0.0213403	0.802554	0.0301176	0.835288	0.032294
0.0679108	0.951694	0.0267806	0.812878	0.0196902	0.850343	0.0390061
0.0567089	0.956644	0.0216653	0.831944	0.026491	0.85567	0.0381103
0.0742667	0.95806	0.0169288	0.848887	0.0353537	0.866599	0.0321775
0.0638075	0.968851	0.0198667	0.855637	0.0295533	0.876796	0.0401276
0.0689664	0.974993	0.015953	0.869656	0.0272496	0.892621	0.0447493

0.0628893	0.975755	0.0169561	0.884752	0.0265174	0.914257	0.0451445
0.0597283	0.972147	0.0200548	0.89988	0.0259811	0.902435	0.0364524
0.0629695	0.971667	0.0202804	0.907697	0.0243486	0.929067	0.032946
0.0496599	0.968315	0.0199656	0.910855	0.0286247	0.92174	0.0400309
0.0580825	0.971818	0.0207719	0.926247	0.025498	0.917314	0.0327214
0.05814	0.968725	0.0246105	0.936096	0.0296694	0.943165	0.0464089
0.0648555	0.966367	0.0266052	0.94382	0.031541	0.949431	0.0353945
0.0588387	0.967878	0.0218142	0.938864	0.0305535	0.943408	0.035188
0.0548317	0.957383	0.020135	0.949195	0.0301632	0.939789	0.0363271
0.0802022	0.948779	0.0239552	0.94917	0.0289116	0.947006	0.0325766
0.0472783	0.940516	0.021491	0.956894	0.0325299	0.944213	0.0316117
0.0576431	0.933683	0.021626	0.953866	0.0338575	0.947977	0.0411948
0.083169	0.933143	0.0235243	0.953535	0.0304989	0.939525	0.0333223
0.0585421	0.924452	0.0234001	0.949436	0.0261882	0.932703	0.040192
0.0601066	0.912761	0.0270636	0.934665	0.0348068	0.933639	0.0412737
0.0680318	0.900055	0.0240331	0.943739	0.0320082	0.925112	0.0404035
0.0599696	0.890455	0.0195784	0.946967	0.0333088	0.921067	0.0401594
0.0536944	0.873049	0.0199216	0.939268	0.032976	0.902638	0.0387432
0.055433	0.860341	0.017567	0.931257	0.0282739	0.901192	0.0456721
0.0571688	0.848362	0.0239047	0.923999	0.0286709	0.894608	0.0461311
0.0595534	0.83491	0.0209001	0.907968	0.0263509	0.887993	0.0435281
0.0662731	0.824779	0.0237178	0.898171	0.0342898	0.869831	0.0342749
0.0639529	0.810684	0.0238247	0.893278	0.0308382	0.859483	0.0418677
0.0431788	0.791541	0.0258565	0.881777	0.0358725	0.841776	0.0264098
0.0567606	0.776719	0.0272842	0.863987	0.0299888	0.832202	0.024421
0.0502742	0.766121	0.0198046	0.85004	0.0250093	0.819982	0.0293084
0.0721674	0.751121	0.0158127	0.835149	0.0321872	0.805622	0.0327737
0.0606053	0.735851	0.0195358	0.819828	0.0202368	0.793141	0.0303243
0.063327	0.71986	0.0222635	0.810727	0.026333	0.764662	0.0284328
0.0693294	0.702482	0.0182763	0.790815	0.0353506	0.757591	0.0373221
0.0673099	0.684332	0.0178206	0.782704	0.0292132	0.736426	0.0277104
0.0724869	0.667626	0.0212963	0.758544	0.0269977	0.724528	0.0324112
0.0678885	0.653423	0.0233952	0.752536	0.0285852	0.712149	0.0401421
0.0582169	0.638065	0.0227133	0.731379	0.0268082	0.698303	0.0306327
0.0553115	0.618278	0.0201146	0.71607	0.0259126	0.679432	0.0295201
0.0765005	0.604878	0.0166912	0.696106	0.0215413	0.656409	0.0327598
0.0658757	0.592379	0.0188488	0.688606	0.0261793	0.63387	0.0232882
0.0723515	0.580488	0.0229229	0.663628	0.0308037	0.619202	0.0290145
0.0521904	0.566796	0.0231919	0.646129	0.0264734	0.611352	0.0320327
0.0681785	0.554433	0.0219174	0.626391	0.0254521	0.587574	0.030118
0.0587321	0.539603	0.018659	0.620975	0.0296443	0.577475	0.0331435
0.0546033	0.529373	0.0166572	0.592926	0.0175485	0.569084	0.0233754
0.0653275	0.523387	0.0156105	0.573961	0.0204951	0.542699	0.0236894
0.0458256	0.505531	0.0170759	0.557676	0.0238973	0.530406	0.0288133
0.0483486	0.490913	0.0175536	0.547483	0.0229567	0.51951	0.0267812
0.055513	0.484832	0.0169598	0.5286	0.0216894	0.499925	0.0232159
0.0463638	0.475742	0.018815	0.515107	0.024656	0.488914	0.0221391

0.0546257	0.464394	0.0184341	0.502353	0.0195272	0.469276	0.0287758
0.0592901	0.453569	0.0160815	0.482675	0.0256678	0.468766	0.0280096
0.0387106	0.444288	0.0126846	0.477908	0.0195175	0.448609	0.0252795
0.0533253	0.432365	0.0145221	0.464131	0.0231387	0.436	0.02719
0.0458121	0.41953	0.0148983	0.449414	0.0209002	0.428887	0.0215529
0.0583217	0.414076	0.0124657	0.438765	0.0293498	0.413865	0.0225472
0.0542186	0.405982	0.0133523	0.420779	0.0210994	0.402422	0.0333723
0.0453495	0.396132	0.0159635	0.411186	0.0164323	0.402276	0.0246522
0.041335	0.39163	0.0134076	0.404861	0.0179353	0.38989	0.0240087
0.0517301	0.386767	0.0115846	0.398061	0.0188258	0.380071	0.0179707
0.0539654	0.378732	0.0101309	0.382772	0.0190948	0.365584	0.0237639
0.0370652	0.375071	0.0103774	0.374549	0.0231174	0.349952	0.0198644
0.0388154	0.370044	0.0106426	0.355247	0.0193805	0.345211	0.0192353
0.0407964	0.360159	0.0105497	0.357702	0.0163879	0.33516	0.0214502
0.0365464	0.35249	0.0149426	0.341413	0.0154753	0.33309	0.0175944
0.0333821	0.348444	0.0117632	0.337006	0.0130727	0.323752	0.0155544
0.0411668	0.344128	0.0109243	0.330269	0.0148596	0.315594	0.0276043
0.0395034	0.338532	0.0115371	0.319989	0.0161723	0.316969	0.0231928
0.0411823	0.33315	0.015158	0.311344	0.0134432	0.311631	0.0185106
0.0335574	0.330677	0.0102832	0.313477	0.0184671	0.28999	0.0176235
0.0460177	0.324907	0.0112658	0.294548	0.018357	0.292934	0.022905
0.036022	0.315355	0.0162722	0.293995	0.0158417	0.283657	0.0180452
0.03925	0.309706	0.0137571	0.286219	0.0162968	0.276215	0.0140843
0.0322716	0.308114	0.0107267	0.288027	0.0104409	0.276982	0.0229223
0.0346414	0.305957	0.0101654	0.272664	0.0132386	0.268775	0.0200901
0.0411858	0.301387	0.0131925	0.270745	0.0129937	0.263251	0.0215282
0.0306591	0.295343	0.0142065	0.260436	0.0178948	0.260384	0.0204678
0.0268385	0.294584	0.0101172	0.259895	0.012901	0.258867	0.019892
0.0381088	0.290623	0.00818192	0.260199	0.0172787	0.246676	0.0210143
0.0348602	0.284869	0.0114583	0.249085	0.0171978	0.24311	0.0172687
0.0361705	0.283231	0.0116043	0.245906	0.0167303	0.239289	0.0185594
0.0378473	0.276476	0.0127805	0.239952	0.0140873	0.237602	0.0154251
0.0347298	0.272525	0.0139374	0.232611	0.0140705	0.227968	0.0157703
0.0306058	0.269772	0.0107791	0.231221	0.0105265	0.229418	0.0125239
0.0382161	0.267669	0.0107551	0.225468	0.0136278	0.221845	0.0180972
0.0271581	0.265296	0.0109784	0.223545	0.0145706	0.221429	0.0155388
0.0356827	0.261597	0.010477	0.216211	0.0155012	0.216135	0.0153627
0.0326509	0.261201	0.0132117	0.213982	0.014128	0.212964	0.0146097
0.0322201	0.259833	0.010473	0.210096	0.010217	0.207638	0.0196462
0.0311154	0.255473	0.00976098	0.210227	0.0112513	0.209606	0.0124068
0.0378099	0.25492	0.0101239	0.204755	0.015626	0.200679	0.0162127
0.0338507	0.251372	0.010012	0.199423	0.0131597	0.197333	0.0179001
0.0339479	0.247581	0.0109653	0.199042	0.012334	0.192417	0.0152791
0.0354896	0.248974	0.0116044	0.193134	0.0126111	0.188635	0.0184498
0.0383387	0.249254	0.0119215	0.190233	0.0131945	0.196382	0.0132816
0.0396512	0.250715	0.00938004	0.189643	0.0131971	0.18804	0.0118942
0.0381752	0.250464	0.00967716	0.190023	0.0123089	0.187883	0.0167628

0.0316589	0.25298	0.010526	0.189343	0.0148985	0.183809	0.0128855
0.0339491	0.256699	0.0100508	0.184591	0.0102186	0.188164	0.0149639
0.0327655	0.261576	0.00850483	0.184643	0.0106205	0.188796	0.0164008
0.0320728	0.26698	0.00916157	0.183584	0.0124738	0.182353	0.01404
0.0301792	0.273797	0.0110121	0.182528	0.0145553	0.19107	0.015013
0.0384695	0.280203	0.0120425	0.183721	0.0160807	0.189401	0.017355
0.0415115	0.284996	0.0124784	0.186081	0.0148133	0.192529	0.0148511
0.0368676	0.295719	0.012366	0.195317	0.0119537	0.198702	0.0194626
0.0339903	0.310272	0.0116014	0.196748	0.013842	0.204635	0.0133582
0.0411568	0.323902	0.0114976	0.197633	0.0142698	0.210276	0.0168589
0.0458891	0.336717	0.0109787	0.207135	0.0141042	0.215411	0.0121909
0.0326953	0.350819	0.0111387	0.212722	0.0132352	0.230429	0.0143525
0.0401049	0.366509	0.0119812	0.226473	0.013906	0.233228	0.0184979
0.0515572	0.387037	0.0144152	0.234862	0.013526	0.245426	0.0221248
0.0394696	0.405807	0.0137833	0.246761	0.0155626	0.259552	0.0165705
0.0523867	0.425861	0.0134653	0.256068	0.0172037	0.272059	0.0208442
0.0336263	0.446545	0.0101592	0.27182	0.0144898	0.285752	0.0233213
0.0560612	0.465416	0.010617	0.292741	0.0162033	0.30561	0.0156332
0.0490591	0.48622	0.0121822	0.301932	0.0193628	0.318542	0.0235122
0.0603253	0.505935	0.0140123	0.322045	0.0118688	0.343841	0.0185248
0.0574051	0.529698	0.0151862	0.339704	0.0171032	0.349795	0.0172956
0.0539122	0.54759	0.0168355	0.369546	0.0176415	0.380675	0.0176811
0.0656639	0.564156	0.0168158	0.388838	0.0201768	0.395477	0.0228594
0.0732415	0.586118	0.0158174	0.410568	0.0207992	0.411866	0.0273884
0.0602273	0.604491	0.014134	0.436697	0.0234429	0.437621	0.0261478
0.0542664	0.622502	0.0176964	0.455886	0.0234878	0.458697	0.0260232
0.0782791	0.635551	0.023812	0.472058	0.0259701	0.491165	0.028345
0.0755266	0.64784	0.0172335	0.501802	0.0267867	0.494893	0.0238509
0.067301	0.665585	0.0212245	0.519384	0.0192007	0.518857	0.025514
0.0741438	0.677589	0.0197984	0.541693	0.0197367	0.537361	0.0279279
0.0749942	0.680898	0.0201059	0.558471	0.0253307	0.557485	0.0241026
0.0879594	0.683094	0.0202966	0.581921	0.0234809	0.571465	0.0235049
0.0925311	0.687328	0.0189221	0.601203	0.0246205	0.589893	0.0349122
0.0967296	0.692113	0.020981	0.609388	0.0256675	0.592655	0.030601
0.079853	0.686562	0.0251264	0.634672	0.0303463	0.608836	0.0273712
0.0849879	0.672171	0.021696	0.639239	0.0322624	0.616039	0.0262889
0.102612	0.659537	0.0173055	0.652833	0.0354838	0.610406	0.026554
0.0854993	0.646843	0.0139434	0.659701	0.0274104	0.616983	0.0347793
0.101276	0.633347	0.015193	0.65317	0.0321107	0.619344	0.0287841
0.0929962	0.61498	0.0195891	0.662145	0.0325084	0.616628	0.0272638
0.073405	0.592149	0.0170789	0.664338	0.0288474	0.604736	0.0268609
0.106723	0.568012	0.015572	0.664166	0.0253508	0.594829	0.0286354
0.120978	0.542192	0.0141073	0.644667	0.0324011	0.58672	0.0336446
0.0922195	0.513	0.0153968	0.64113	0.0249493	0.57005	0.0281693
0.099384	0.482993	0.0120556	0.609956	0.0319298	0.556207	0.0306544
0.0939418	0.45482	0.0122267	0.598443	0.0240237	0.541707	0.0280303
0.0997095	0.427684	0.0144778	0.579055	0.0200652	0.517206	0.028462

0.0885118	0.4036	0.0131102	0.550964	0.030309	0.491369	0.0325071
0.0784901	0.377438	0.0136907	0.525346	0.0272267	0.453994	0.0262647
0.0737988	0.349235	0.0144286	0.502879	0.0218817	0.429826	0.0278824
0.0786694	0.327918	0.0130222	0.47282	0.020437	0.405457	0.0268368
0.0832691	0.303406	0.0102286	0.440703	0.0251306	0.373194	0.0203622
0.0612264	0.281539	0.0117688	0.408029	0.0162226	0.345709	0.0169579
0.0578752	0.269357	0.012716	0.378165	0.0183529	0.320792	0.0185395
0.0674407	0.25369	0.0113593	0.349063	0.0138694	0.294327	0.0192807
0.051268	0.235403	0.010396	0.323796	0.0187361	0.266897	0.0131805
0.0470863	0.224187	0.0100283	0.296916	0.0151954	0.25239	0.01772
0.0540734	0.213877	0.00893492	0.272312	0.0159684	0.22935	0.0150071
0.0415996	0.205153	0.0107251	0.254477	0.0193958	0.215886	0.0176982
0.047576	0.200263	0.00783811	0.229368	0.0126385	0.192531	0.0182062
0.0477401	0.194241	0.00692413	0.205016	0.0136874	0.179318	0.015408
0.0300142	0.188731	0.00861725	0.193949	0.0137532	0.167808	0.0148396
0.0365469	0.184174	0.00867567	0.178955	0.0138361	0.1548	0.0159584
0.028323	0.182258	0.00820797	0.169769	0.0140171	0.153115	0.0160662
0.035907	0.179604	0.00773793	0.155363	0.0104546	0.140002	0.0151528
0.0323528	0.176644	0.00764366	0.152262	0.0106037	0.136013	0.0152473
0.0299665	0.175718	0.00876643	0.140681	0.0130642	0.129518	0.0141955
0.0270815	0.17281	0.00836613	0.137292	0.0136263	0.126734	0.0115328
0.031839	0.170646	0.00737785	0.129839	0.00975833	0.123173	0.0099359
0.023076	0.172019	0.00778423	0.124343	0.0100539	0.123188	0.0125388
0.0252878	0.170635	0.00790476	0.12606	0.0121374	0.120441	0.0132091
0.0364125	0.168426	0.00921928	0.11696	0.00789095	0.115536	0.0120762
0.0260675	0.168203	0.0104183	0.117971	0.0100183	0.114628	0.0125982
0.0322828	0.168011	0.00751165	0.118163	0.0104184	0.116286	0.0124621
0.0224529	0.169347	0.00895898	0.118144	0.0114755	0.112013	0.0111058
0.0256496	0.170642	0.0095648	0.116209	0.00815836	0.112089	0.0118751
0.0286439	0.169194	0.0103954	0.113818	0.010363	0.115911	0.012722
0.0210231	0.167986	0.00741552	0.112355	0.0107474	0.112942	0.0133818
0.0259321	0.16953	0.00855666	0.116629	0.0101421	0.1117	0.010972
0.0207879	0.172645	0.00872184	0.112854	0.0108656	0.117062	0.0110926
0.0220968	0.171524	0.00807526	0.114237	0.00634563	0.119274	0.0122442
0.0207714	0.168712	0.00744397	0.115609	0.0107075	0.118575	0.0144215
0.0251081	0.169957	0.00732525	0.117696	0.0122816	0.117445	0.0119207
0.0198871	0.171598	0.0108847	0.117639	0.00963507	0.1132	0.0147284
0.0304519	0.173181	0.0113088	0.116846	0.0108413	0.112352	0.00919493
0.0254495	0.173956	0.00972527	0.114391	0.0111164	0.115713	0.01146
0.0226373	0.174948	0.00819171	0.11273	0.0119975	0.11606	0.0115266
0.0216702	0.176199	0.00781007	0.118237	0.011209	0.116497	0.0108618
0.0261412	0.175196	0.00759933	0.120065	0.0122582	0.118386	0.0103616
0.0235591	0.177419	0.0072629	0.119782	0.0105779	0.117551	0.0112159
0.0252912	0.179955	0.00914775	0.118832	0.0106206	0.118355	0.0104166
0.0252539	0.178117	0.0101948	0.120608	0.0122131	0.119774	0.0106866
0.0286642	0.174614	0.00852516	0.120549	0.0124759	0.11982	0.0125921
0.0198433	0.173785	0.00748054	0.122196	0.0106185	0.125282	0.0118697

0.0267957	0.176744	0.00869528	0.121443	0.0094337	0.126649	0.0143971
0.0205817	0.180199	0.0102275	0.119844	0.0101525	0.123433	0.0138334
0.0237775	0.179986	0.0126081	0.124366	0.0126281	0.12195	0.0120719
0.0275517	0.180411	0.00982481	0.123528	0.0089807	0.128604	0.0139932
0.0238738	0.182535	0.0102076	0.126564	0.0126246	0.129054	0.0117067
0.0248718	0.185136	0.00951424	0.12547	0.00966249	0.130736	0.0132092
0.0230128	0.187087	0.00862778	0.130993	0.00813954	0.126265	0.00929173
0.0272171	0.18818	0.010425	0.128428	0.00887737	0.133585	0.0131707
0.0195466	0.189007	0.0108048	0.127718	0.0109008	0.132981	0.015578
0.023979	0.18987	0.00858879	0.130624	0.00973808	0.136269	0.0120752
0.0260836	0.190732	0.00810961	0.132461	0.0118196	0.136967	0.0143256
0.0305166	0.189754	0.0110841	0.132284	0.0112092	0.136613	0.0116072
0.0246101	0.193048	0.0104957	0.133125	0.011096	0.138814	0.0158401
0.0211813	0.196322	0.0114637	0.139623	0.0115045	0.137149	0.013881
0.0290172	0.195233	0.0102278	0.140044	0.0108475	0.133634	0.0120355
0.0222481	0.193596	0.00885864	0.143092	0.0131492	0.140449	0.0143364
0.02394	0.197949	0.00890883	0.139486	0.00843923	0.143957	0.00897351
0.0311431	0.197629	0.00898524	0.143378	0.0100056	0.142836	0.0169299
0.0232894	0.194099	0.00905429	0.144162	0.0110193	0.147553	0.0125955
0.0252591	0.197444	0.0107786	0.145446	0.0118549	0.150248	0.0106334
0.0261131	0.199907	0.00967535	0.146529	0.014243	0.154051	0.0135478
0.0288547	0.20141	0.00861808	0.152456	0.0106938	0.150096	0.0140619
0.0235059	0.201863	0.00996916	0.149859	0.0151307	0.151975	0.0146699
0.0255689	0.20092	0.00988273	0.153107	0.010649	0.156639	0.0171358
0.0271253	0.204356	0.00790213	0.153167	0.00707604	0.157039	0.0139374
0.026893	0.201933	0.00898684	0.153682	0.0104289	0.156597	0.0107228
0.0321093	0.203049	0.00975137	0.159159	0.0151188	0.156721	0.0151804
0.0241523	0.208082	0.0093383	0.158896	0.0106804	0.161528	0.0131388

SB Gy

mean	std
0.372716	0.0213241
0.380266	0.0261759
0.381494	0.0303519
0.383343	0.029217
0.372164	0.0223948
0.380273	0.0258454
0.37502	0.0201682
0.384129	0.0277388
0.376635	0.0294942
0.383255	0.033965
0.372901	0.0254062
0.371613	0.0267283
0.375027	0.0257698
0.376517	0.0267551
0.372764	0.023906
0.373007	0.0307179
0.371699	0.0209773
0.380479	0.031546
0.384404	0.0293727
0.389884	0.0297627
0.391656	0.0274233
0.399688	0.0238505
0.410974	0.0250151
0.408896	0.0235667
0.421748	0.0236502
0.4241	0.0249547
0.416492	0.0285785
0.415808	0.0241955
0.416166	0.0305974
0.407442	0.023805
0.398192	0.0233872
0.394454	0.0223466
0.387544	0.0273999
0.383359	0.0315601
0.370008	0.0225174
0.370649	0.0260253
0.371458	0.0252193
0.374266	0.0231795
0.378974	0.0269045
0.380536	0.0242832
0.390441	0.0236091
0.399948	0.0243715
0.412937	0.0172393
0.43221	0.0303715
0.450375	0.025193

0.472457	0.0277405
0.498	0.0292648
0.512533	0.0328701
0.515413	0.0293187
0.530284	0.0355724
0.520182	0.03097
0.511319	0.0291712
0.495357	0.0286304
0.476559	0.0297605
0.455196	0.0236857
0.431886	0.0298639
0.425728	0.0258066
0.405181	0.0233254
0.393977	0.0290388
0.395433	0.0249935
0.397644	0.0212563
0.396738	0.0225985
0.41182	0.0234825
0.426622	0.023352
0.473306	0.0280582
0.546224	0.0327075
0.632605	0.0390847
0.751081	0.0510928
0.903525	0.0600441
1.10555	0.0808396
1.30088	0.105435
1.51293	0.128142
1.69474	0.124461
1.82472	0.14738
1.89005	0.139062
1.89167	0.147937
1.82637	0.1431
1.68839	0.129044
1.54518	0.101766
1.34241	0.0978442
1.17637	0.0739933
1.048	0.0608868
0.929764	0.0550786
0.844002	0.0460938
0.798807	0.042529
0.759484	0.0497701
0.739432	0.0408895
0.722478	0.0376147
0.711702	0.036852
0.713068	0.0344655
0.715768	0.0485585
0.707745	0.0404225

0.70294	0.0483059
0.69537	0.0524448
0.658041	0.0426863
0.619547	0.054873
0.596756	0.0603676
0.571603	0.0478929
0.554683	0.0407247
0.560185	0.0433066
0.56399	0.0399822
0.570893	0.0320076
0.593637	0.0300065
0.617765	0.0384793
0.638362	0.0392277
0.654538	0.0403441
0.663806	0.0299902
0.672772	0.0273933
0.673502	0.0333002
0.682997	0.0307671
0.700228	0.0397011
0.705575	0.0356558
0.735114	0.0378579
0.767705	0.0382508
0.84213	0.0382054
0.963136	0.0428276
1.15721	0.054753
1.49855	0.068892
2.05752	0.0840323
2.92723	0.119234
4.27618	0.156162
6.28791	0.231019
9.13014	0.310094
12.9534	0.451718
17.8921	0.650147
23.8371	0.826144
30.6409	1.0168
37.7573	1.32311
44.5817	1.5909
50.4373	1.81811
54.5841	1.91153
56.4233	1.97923
55.7988	1.94306
52.7842	1.81533
47.7514	1.65581
41.3805	1.43442
34.315	1.16852
27.3487	0.939717
21.0934	0.739198

15.7949	0.558569
11.6894	0.411496
8.75696	0.310487
6.78892	0.229867
5.58353	0.192327
4.90036	0.176586
4.54975	0.171108
4.34428	0.160519
4.16705	0.143103
3.91412	0.138431
3.59086	0.140698
3.1958	0.111948
2.75212	0.0897652
2.2936	0.0769859
1.88007	0.071502
1.49248	0.0614355
1.1772	0.0450162
0.941556	0.0349625
0.769069	0.0357297
0.655884	0.0295008
0.601404	0.0281233
0.595001	0.0322782
0.621957	0.0407109
0.687865	0.0452526
0.786704	0.0632332
0.910689	0.0808785
1.05246	0.0953228
1.19908	0.124151
1.33325	0.14497
1.44697	0.15292
1.53845	0.17251
1.58605	0.187399
1.57439	0.183575
1.51674	0.181831
1.43153	0.152791
1.32344	0.140409
1.1962	0.131814
1.0775	0.110467
0.976032	0.0815855
0.886271	0.0589615
0.834327	0.053636
0.804654	0.0393803
0.783499	0.0354921
0.778389	0.0426232
0.779036	0.0401601
0.780779	0.0297967
0.776833	0.0336248

0.77079	0.0328023
0.755934	0.0271153
0.738013	0.0314278
0.718921	0.0326773
0.703013	0.0336959
0.697636	0.0343313
0.69787	0.0314584
0.688885	0.030187
0.679076	0.0364028
0.678533	0.0334932
0.678414	0.030876
0.670694	0.0337615
0.661744	0.0384873
0.650916	0.0377832
0.638708	0.0352241
0.626833	0.0333965
0.602146	0.0349021
0.577522	0.0303192
0.559569	0.0285785
0.536042	0.0271029
0.51879	0.0226814
0.505612	0.0245369
0.498301	0.0284991
0.495228	0.0276086
0.490933	0.0229089
0.489591	0.0224953
0.487884	0.0231697
0.487348	0.0263137
0.493624	0.0259613
0.505962	0.0293031
0.524971	0.0298974
0.526903	0.0262914
0.533581	0.0270116
0.546232	0.0264137
0.564335	0.0262866
0.579431	0.0323719
0.593735	0.0338645
0.607313	0.0266893
0.636288	0.029684
0.665248	0.0321439
0.694318	0.0242754
0.72288	0.0294067
0.766697	0.0365183
0.801274	0.0439138
0.818638	0.049581
0.831094	0.0442562
0.832441	0.0470938

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0.821808	0.0501677
0.799577	0.0422057
0.768415	0.0347857
0.747946	0.0336694
0.726036	0.0316346
0.70718	0.0323375
0.694931	0.0337009
0.684584	0.0325681
0.690149	0.0376781
0.702845	0.0354651
0.723058	0.0328066
0.762223	0.0336426
0.807597	0.0337152
0.865142	0.0291717
0.950853	0.0315156
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1.20483	0.0552122
1.43591	0.0651619
1.77145	0.0719451
2.27874	0.0847984
3.07655	0.114858
4.30867	0.167359
6.18951	0.225492
8.98532	0.318582
13.0242	0.468534
18.686	0.651179
26.2776	0.945931
36.0684	1.27473
48.0681	1.66116
62.1404	2.1598
77.8349	2.68989
94.196	3.26809
110.173	3.79421
124.549	4.37613
135.845	4.77371
143.108	5.02775
145.455	5.11556
142.602	5.03641
134.904	4.82674
123.152	4.30528
108.47	3.72035
92.1945	3.15397
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34.0088	1.18261

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3.40804	0.112464
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5.63177	0.195426
7.19252	0.251477
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13.2466	0.471928
15.3667	0.538853
17.3661	0.619849
19.0481	0.674242
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19.8924	0.670902
18.5386	0.62738
16.723	0.583533
14.5656	0.501739
12.2713	0.412997
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7.93488	0.266115
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3.27056	0.126859
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0.703673	0.0314026
0.476854	0.0253823
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0.231128	0.0146133
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0.10546	0.012742
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0.0898673	0.00722141
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0.0897843	0.00506456
0.0898014	0.0074409
0.0892425	0.00756517
0.0902533	0.00888054
0.0947633	0.00872779
0.100709	0.0110056
0.108737	0.0141541
0.11304	0.0171639
0.121754	0.020825
0.137492	0.0262649
0.150986	0.0340488
0.163956	0.0409616
0.181431	0.0517584
0.199876	0.0584596
0.213217	0.0687115
0.225729	0.0734272
0.237254	0.0788782
0.245219	0.089259
0.251795	0.0957245
0.255958	0.0866469
0.247662	0.0827964
0.23464	0.0813667
0.229318	0.0808938
0.220743	0.0665006
0.207048	0.0522694
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0.170625	0.0297795
0.160793	0.026302
0.153482	0.0204461
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0.139231	0.0132671
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0.150637	0.0123972
0.151626	0.0160471
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0.15881	0.0130098
0.161974	0.015563
0.167055	0.0147217
0.171432	0.0124857
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0.201462	0.0122642
0.209317	0.0193193
0.213598	0.0175184
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0.228703	0.0170431
0.230293	0.0188532
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0.219507	0.0195085
0.228013	0.0179282
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0.221653	0.0144172
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0.212056	0.0163734
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0.213214	0.0156818
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0.221949	0.0150355
0.22571	0.0182687
0.224718	0.0205449
0.227831	0.0202068
0.239124	0.017129
0.238537	0.0217245
0.251113	0.0176954
0.256171	0.0214945
0.271015	0.0184257
0.275798	0.0222717
0.295402	0.0223111
0.315952	0.0268241
0.327325	0.0238547
0.342119	0.0193821
0.369209	0.028592
0.373247	0.0239276
0.392341	0.0215759
0.410861	0.0253978
0.42209	0.0323473
0.438091	0.0238554
0.449086	0.0348606
0.457838	0.0342788
0.464444	0.0262884
0.473033	0.0295967
0.469797	0.026727
0.464054	0.0281947
0.46515	0.0270696
0.4688	0.02286
0.456843	0.0251147
0.442797	0.0195384
0.422219	0.0277837
0.416284	0.0312156
0.397437	0.0305841
0.385937	0.0216929
0.356066	0.0284117
0.345045	0.0246834
0.326019	0.0180854
0.31662	0.0246355
0.299395	0.0223628
0.289159	0.0217964
0.283025	0.0236775
0.275868	0.019359

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0.269378	0.0227351
0.272195	0.0167459
0.274476	0.0157399
0.272904	0.0190724
0.271792	0.0181558
0.284012	0.018211
0.291995	0.0205171
0.302678	0.0243775
0.335683	0.0260234
0.355731	0.0235856
0.405823	0.0274803
0.451694	0.0346639
0.536835	0.0434415
0.629114	0.0379553
0.765389	0.0469514
0.925909	0.07662
1.1057	0.0844052
1.33524	0.09238
1.57232	0.127661
1.85819	0.132348
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2.42904	0.183177
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2.9117	0.225226
3.08435	0.213983
3.19734	0.231403
3.26731	0.233598
3.24591	0.232052
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2.5149	0.190806
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1.68283	0.126273
1.44562	0.106121
1.20703	0.0797906
1.02663	0.0812693
0.846431	0.04934
0.729146	0.0418396
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0.560745	0.0394308
0.498128	0.0401024
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0.42886	0.0288671
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0.402413	0.0265483
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0.406229	0.0267422
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0.692209	0.0379365
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0.851537	0.0530327
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0.60161	0.028748
0.588488	0.0331903
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0.916155	0.0409685
0.914801	0.0343062
0.927805	0.0376201
0.933855	0.0371549
0.944003	0.0326804
0.940753	0.0308843
0.946405	0.0362133
0.95059	0.0333961
0.946407	0.0356351
0.951156	0.0344957
0.949571	0.0386788
0.96223	0.0307557
0.934966	0.0353849
0.938129	0.0375357
0.929999	0.0445537
0.93228	0.0345616
0.922845	0.0465651
0.904975	0.0380633
0.910688	0.0389107
0.883186	0.0409587
0.867318	0.0472885
0.877362	0.0377859
0.849909	0.0402789
0.840253	0.0356852
0.841596	0.0378234
0.816361	0.0312058
0.795635	0.0394129
0.787729	0.0297737
0.761763	0.035504
0.740243	0.0424939
0.727485	0.0338681
0.714827	0.0376142
0.692815	0.0308686
0.679532	0.0350642
0.665615	0.0308921
0.652341	0.0393036
0.623003	0.0272862
0.606887	0.0294067
0.595097	0.0231564
0.584111	0.0269978
0.55871	0.0229015
0.552983	0.026084
0.527301	0.03269
0.511796	0.0218702
0.499199	0.024619

0.483743	0.025518
0.4725	0.027152
0.45968	0.0233471
0.440072	0.0213094
0.429148	0.0217406
0.424296	0.0284059
0.41029	0.025059
0.398369	0.0234502
0.38978	0.025594
0.382655	0.021233
0.365665	0.0218366
0.352491	0.0212516
0.349241	0.0195367
0.343536	0.0227338
0.331035	0.0167502
0.324078	0.0231953
0.317946	0.017791
0.310056	0.0192998
0.301954	0.0207472
0.303676	0.0238232
0.294041	0.0178128
0.286996	0.019739
0.279818	0.0207907
0.281401	0.0227153
0.270529	0.0246204
0.256943	0.0173768
0.258185	0.0232346
0.256905	0.0208102
0.25036	0.021373
0.248073	0.018938
0.239229	0.0160789
0.238353	0.0185316
0.231503	0.0213584
0.22582	0.0197257
0.226466	0.0180866
0.21989	0.0179634
0.214064	0.013042
0.216541	0.0221379
0.211227	0.0181608
0.204811	0.0179078
0.201039	0.0151144
0.202518	0.0159277
0.194279	0.0164434
0.197835	0.0154831
0.195647	0.0125549
0.185034	0.0187747
0.182264	0.0164126

0.184546	0.0162756
0.176161	0.0133583
0.178668	0.0176569
0.178399	0.0156962
0.175592	0.0150016
0.171834	0.0170267
0.172957	0.0152562
0.16968	0.0177297
0.170593	0.0152035
0.176077	0.0158216
0.168323	0.0166852
0.172568	0.0117677
0.173641	0.0113944
0.18346	0.0130802
0.185565	0.0207585
0.185791	0.014251
0.193425	0.0125441
0.201144	0.0149717
0.207621	0.016598
0.22018	0.0165287
0.232894	0.0163789
0.252947	0.0216025
0.260909	0.0170744
0.283519	0.0149221
0.296743	0.0211051
0.318113	0.0213555
0.339535	0.0215182
0.364699	0.0174984
0.385029	0.0224131
0.413086	0.02279
0.430027	0.0232263
0.459782	0.0274964
0.487285	0.0283681
0.51823	0.0222783
0.524127	0.021622
0.549737	0.0294006
0.58469	0.0302703
0.601346	0.034337
0.614706	0.0314508
0.638468	0.035929
0.655274	0.0293698
0.675482	0.0419135
0.688909	0.0401016
0.682992	0.0326616
0.69623	0.0283086
0.697505	0.0363935
0.696156	0.033383

0.705591	0.0330066
0.684975	0.0376951
0.679611	0.0293509
0.666364	0.0345181
0.649087	0.030015
0.622488	0.038419
0.597601	0.0355082
0.570857	0.0287481
0.543768	0.0275989
0.517087	0.0298766
0.485464	0.0242198
0.453349	0.0260756
0.410406	0.0244614
0.38467	0.0239561
0.352581	0.0220554
0.324813	0.026543
0.297898	0.0189259
0.274267	0.0207864
0.248251	0.0183081
0.227485	0.0153563
0.208268	0.0166217
0.193768	0.016054
0.176482	0.01787
0.16936	0.015722
0.1562	0.0153729
0.143865	0.0142472
0.141479	0.0129628
0.136995	0.0128425
0.128589	0.010756
0.127038	0.0154334
0.121689	0.0136291
0.11865	0.0121283
0.117497	0.0121142
0.119976	0.0131515
0.116757	0.0103795
0.11976	0.0133118
0.116324	0.012109
0.11407	0.0134326
0.118929	0.013987
0.112528	0.0142674
0.115467	0.0116095
0.115997	0.0127482
0.117921	0.0142658
0.116065	0.0112226
0.11707	0.0112436
0.121072	0.0121146
0.116314	0.0135722

0.119483	0.0134712
0.127106	0.0139928
0.119163	0.0141353
0.125174	0.0118564
0.124137	0.0147327
0.126827	0.0142199
0.126994	0.0133714
0.129578	0.0153655
0.131812	0.0117325
0.132591	0.0149199
0.128748	0.0141268
0.133345	0.0133648
0.136582	0.0133202
0.138386	0.0169455
0.140049	0.0116715
0.138681	0.0105405
0.138787	0.0148804
0.145747	0.0142234
0.147458	0.014226
0.144941	0.0126385
0.145555	0.0158219
0.151266	0.0173448
0.15358	0.0149336
0.155817	0.0162382
0.155209	0.0138266
0.157689	0.0142665
0.155235	0.0143532
0.158778	0.0152725