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To cite this version:

HAL Id: halshs-00870053
https://halshs.archives-ouvertes.fr/halshs-00870053
Submitted on 4 Oct 2013

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Tax Me If You Can!
Optimal Nonlinear Income Tax between Competing Governments

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September 24, 2013

Abstract

We investigate how potential tax-driven migrations modify the Mirrlees income tax schedule when two countries play Nash. The social objective is the maximin and preferences are quasilinear in income. Individuals differ both in skills and migration costs, which are continuously distributed. We derive the optimal marginal income tax rates at the equilibrium, extending the Diamond-Saez formula. The theory and numerical simulations on the US case show that the level and the slope of the semi-elasticity of migration on which we lack empirical evidence are crucial to derive the shape of optimal marginal income tax. Our simulations show that potential migrations result in a welfare drop between 0.4% and 5.3% for the worst-off and an average gain between 18.9% and 29.3% for the top 1%.

JEL Classification: D82, H21, H87

Keywords: Optimal Income Tax, Income Tax competition, Migration, Labor Mobility, Nash-Equilibrium Tax Schedules

*We are grateful to participants to seminars at CREST, Ecole Polytechnique, UCFS workshop, the University of Mannheim, the University of Rennes (CREM), the University of Panthéon Assas Paris 2, the ENS-Cachan/Paris-Sud Hotelling seminar, the University of Cergy (THEMA), the IIES (Stockholm), the University of Bayreuth and ESEM 2013. We in particular would like to thank Spencer Bastani, Craig Brett, Sören Blomquist, Tomer Blumkin, Pierre Boyer, Nathalie Ethchart-Vincent, John Hassler, Laurence Jacquet, Eckhart Janeba, Hubert Kempf, Jean-Baptiste Michau, Fabien Moizeau, Olle Folke, Sebastian Koehne, Per Krusell, Ali Sina Onder, Régis Renault, Emmanuel Saez, Håkan Selin, Emmanuelle Taugourdeau, Farid Touba, Bruno Van der Linden and John D. Wilson.
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