

Robust Sequential Implementation and Maskin Monotonicity

Tsuyoshi ADACHI[†]

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Abstract

We study social choice functions robustly implementable as sequential equilibria of incomplete information extensive form games on all common prior type spaces. We show that the combination of unanimity, strategy-proofness, and Maskin monotonicity is a sufficient condition for such implementation. Efficient social choice functions can be robustly implemented even in single-peaked voting or quasi-linear preferences environments.

JEL Classification Numbers: C72, C79, D78, D82

Keywords: Implementation; Extensive form games; Robustness; Extensive form implementation; Maskin monotonicity

[†]Graduate School of Economics, Waseda University E-mail: adachi39@gmail.com