Robust Sequential Implementation and Maskin Monotonicity

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Abstract

We study social choice functions robust-implementable as sequential equilibria of incomplete information extensive form games on all common prior type spaces. We show the combination of unanimity, strategy-proofness, and Maskin monotonicity is a sufficient condition for such implementation. Efficient social choice functions are 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

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