Interim Equilibrium Implementation∗

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Abstract

A social choice rule is said to be implementable if one can design a mechanism
(or institution) in which the set of outcomes prescribed by a given solution
concept coincides with that specified by the social choice rule. I adopt
interim equilibrium (i.e., Bayesian Nash equilibrium where each agent's interim
beliefs do not necessarily admit a prior) as the solution concept and
investigate the corresponding implementation problem in general incomplete
information environments. I identify arguably the weakest set of conditions
under which implementation in interim equilibrium is possible. By doing
so, I also unify the literature of the so-called Bayesian implementation and
Nash implementation.