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APPROXIMATE NASH EQUILIBRIA FOR STRATEGIC GAMES.

ABSTRACT :

Nash equilibria (NE) play an important role in applications of game theory. For the class of finite games John Nash established the existence of NE (in mixed strategies) with the aid of a fixed point theorem. For more general strategic games NE and approximate NE not necessarily exist. In this lecture we discuss some techniques to establish the existence of approximate NE for some subclasses of games.