

Milgrom, Paul; Roberts, John**Rationalizability, learning, and equilibrium in games with strategic complementarities.** (English) [Zbl 0728.90098](#)

Econometrica 58, No. 6, 1255-1277 (1990).

Summary: We study a rich class of noncooperative games that includes models of oligopoly competition, macroeconomic coordination failures, arms races, bank runs, technology adoption and diffusion, R & D competition, pretrial bargaining, coordination in teams, and many others. For all these games, the sets of pure strategy Nash equilibria, correlated equilibria, and rationalizable strategies have identical bounds. Also, for a class of models of dynamic adaptive choice behavior that encompasses both best-response dynamics and Bayesian learning, the players' choices lie eventually within the same bounds. These bounds are shown to vary monotonically with certain exogenous parameters.

MSC:[91A10](#) Noncooperative games[91B62](#) Economic growth models[68T05](#) Learning and adaptive systems in artificial intelligenceCited in **3** Reviews
Cited in **249** Documents**Keywords:**

supermodular games; iterated dominance; noncooperative games; oligopoly; pure strategy Nash equilibria; correlated equilibria; rationalizable strategies; Bayesian learning; bounds

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