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A non-equilibrium analysis of the finitely-repeated prisoner's dilemma. (English)

Zbl 0654.90108

Math. Soc. Sci. 16, No. 3, 281-287 (1988).

We follow a non-equilibrium approach to the finitely repeated prisoner's dilemma with trigger strategies. Each player has a probability distribution which gives the probability with which he thinks the other player first plans to cheat in any given period. We show that, provided that this probability distribution assigns some minimum weight to all periods, the players will cooperate for most of the game if it is repeated enough times.

MSC:

91A20 Multistage and repeated games

Cited in 3 Documents

Keywords:

bounded rationality; non-equilibrium approach; finitely repeated prisoner's dilemma; trigger strategies

Full Text: [DOI](#)

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