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Zero-determinant strategies in finitely repeated games

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Highlights

- We examined zero-determinant strategies in finitely repeated prisoner's dilemma game.
- We derived the forms of solutions generalizing those for infinitely repeated games.
- We derived a threshold discount factor above which zero-determinant strategies exist.
- We proved the conditions for a linear relationship between the two players' payoffs.
- All the results were derived mathematically.

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