

1145-91-2388

Emmanuel M Estrada* (emmanuel.m.estrada@gmail.com), 4912 Summit Way, Modesto, CA 95357. *Adaptive Zero Determinant Strategies in the Iterated Prisoner's Dilemma Tournament*. Preliminary report.

We have created an adaptive zero determinant strategy that changes its parameters using the outcome of the last round as input. We then ran this adaptive zero determinant strategy against a tournament of other zero determinant strategies. We observed that the adaptive strategy had a higher average score than the other zero determinant strategies when we ran the tournament for a large amount of rounds. (Received September 25, 2018)