

Coordination Games in Scale free Networks: Scale free Networks Enhance Cooperation

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Abstract

We show that cooperation always emerges in scale free networks. We study a coordination game in which who plays with whom is represented by network and a player decides the strategy by logit choice. While in regular networks cooperation emerges under certain condition, in scale free networks cooperation always emerges. We also study the welfare of the agents with the same degree between regular and scale free network. The expected utility is always greater in scale free than regular.

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