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Contribution inequality in the spatial public goods game: Should the rich contribute more?

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Highlights

- Individual contribution increases with his payoff in the last evolutionary step.
- Higher cooperation rate does not always lead to higher wealth on the network.
- High-degree nodes opt out of cooperation when the rich contribute more but the enhancement factor is low.
- Cooperation and wealth equality will be improved when the rich contribute more, as long as the enhancement factor is high enough.

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