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Evolutionary algorithm and modularity for detecting communities in networks

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Highlights

Title: Evolutionary Algorithm and modularity for Detecting Communities in Networks

Physica A

- In this paper, we introduce our method for community detection.
- Our method designed to detect community structure for unweighted and undirected networks.
- We used an evolutionary algorithm to find the first community structure.
- We used the modularity in the merging process to find the final community structure.
- Finally we test our method on both artificial and real networks.

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