

Accepted Manuscript

A generalized game theoretic framework for mining communities in complex networks

Guangliang Gao, Jie Cao, Zhan Bu, Hui-jia Li, Zhiang Wu

PII: S0957-4174(17)30740-6
DOI: [10.1016/j.eswa.2017.10.058](https://doi.org/10.1016/j.eswa.2017.10.058)
Reference: ESWA 11641



To appear in: *Expert Systems With Applications*

Received date: 22 February 2017
Revised date: 30 October 2017
Accepted date: 30 October 2017

Please cite this article as: Guangliang Gao, Jie Cao, Zhan Bu, Hui-jia Li, Zhiang Wu, A generalized game theoretic framework for mining communities in complex networks, *Expert Systems With Applications* (2017), doi: [10.1016/j.eswa.2017.10.058](https://doi.org/10.1016/j.eswa.2017.10.058)

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Highlights

- We introduce a game theoretic framework to model community formation in networks.
- We deduce many commonly used objective functions as potential functions in the model.
- The proposed framework has been proved to exist fixed (equilibrium) point.
- A synchronous learning mechanism has be proposed to reach the local equilibrium.

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