

Accepted Manuscript

Community detection in complex networks using structural similarity

Fataneh Dabaghi Zarandi, Marjan Kuchaki Rafsanjani

PII: S0378-4371(18)30306-6
DOI: <https://doi.org/10.1016/j.physa.2018.02.212>
Reference: PHYSA 19332

To appear in: *Physica A*

Received date: 12 September 2017

Revised date: 16 January 2018

Please cite this article as: F.D. Zarandi, M.K. Rafsanjani, Community detection in complex networks using structural similarity, *Physica A* (2018), <https://doi.org/10.1016/j.physa.2018.02.212>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



***Highlights (for review)**

- We proposed a novel community detection algorithm based on structural similarity.
- It is executed in two phases, community detection and best communities selection.
- It detects communities with high accuracy, is applicable in large & small networks.
- Simulation results show that the proposed algorithm outperforms other algorithms.

Download English Version:

<https://daneshyari.com/en/article/7375538>

Download Persian Version:

<https://daneshyari.com/article/7375538>

[Daneshyari.com](https://daneshyari.com)