

Accepted Manuscript

A novel weight neighborhood centrality algorithm for identifying influential spreaders in complex networks

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PII: S0378-4371(17)30121-8

DOI: <http://dx.doi.org/10.1016/j.physa.2017.02.007>

Reference: PHYSYA 17987

To appear in: *Physica A*

Received date: 19 September 2016

Revised date: 5 January 2017

Please cite this article as: J. Wang, X. Hou, K. Li, Y. Ding, A novel weight neighborhood centrality algorithm for identifying influential spreaders in complex networks, *Physica A* (2017), <http://dx.doi.org/10.1016/j.physa.2017.02.007>

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Highlights

- We find that the diffusion importance of links can affect node's spreading ability.
- We propose a weight neighborhood centrality method for identifying influential spreaders.
- The proposed method has a better performance of identifying influential spreaders than many previous methods.
- The result is verified on six real-world networks and four artificial networks very well.

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