

Accepted Manuscript

Diffusion processes of fragmentary information on scale-free networks

Xun Li, Lang Cao

PII: S0378-4371(16)00074-1

DOI: <http://dx.doi.org/10.1016/j.physa.2016.01.035>

Reference: PHYSA 16818

To appear in: *Physica A*

Received date: 7 November 2015

Revised date: 3 January 2016



Please cite this article as: X. Li, L. Cao, Diffusion processes of fragmentary information on scale-free networks, *Physica A* (2016), <http://dx.doi.org/10.1016/j.physa.2016.01.035>

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

- Fragmentary information is capable of transmission unnecessarily as a whole.
- We propose a continuous-state susceptible-infected-susceptible (SIS) model.
- We incorporate local information levels and/or node degrees into the partner choice.
- Partner choice provides effective and flexible measures for the networked diffusion.

Download English Version:

<https://daneshyari.com/en/article/7378311>

Download Persian Version:

<https://daneshyari.com/article/7378311>

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