Accepted Manuscript

Robustness analysis of interdependent networks under multiple-attacking strategies

Yan-Li Gao, Shi-Ming Chen, Sen Nie, Fei Ma, Jun-Jie Guan

PII: S0378-4371(17)31336-5
DOI: https://doi.org/10.1016/j.physa.2017.12.085
Reference: PHYSA 19015

To appear in: *Physica A*

Received date : 11 August 2017
Revised date : 21 November 2017

Please cite this article as: Y. Gao, S.-M. Chen, S. Nie, F. Ma, J. Guan, Robustness analysis of interdependent networks under multiple-attacking strategies, *Physica A* (2017), https://doi.org/10.1016/j.physa.2017.12.085

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.

ACCEPTED MANUSCRIPT

Highlights

- A general deliberate attack function was proposed, from which different strategies can be derived.
- We found the most efficient attacking strategy for different coupled interdependent networks.
- The negative coupling mode has obvious advantage to avoid failures propagation.
- Positively coupled network has the worst resistance to cascading failures.

ACCEPTED MANUSCRIPT

Download English Version:

https://daneshyari.com/en/article/7376139

Download Persian Version:

https://daneshyari.com/article/7376139

Daneshyari.com