Accepted Manuscript

Optimal resource allocation in interdependent networks

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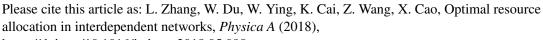
PII: \$0378-4371(18)30651-4

DOI: https://doi.org/10.1016/j.physa.2018.05.098

Reference: PHYSA 19638

To appear in: Physica A

Received date: 23 February 2018 Revised date: 18 April 2018



https://doi.org/10.1016/j.physa.2018.05.098

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- 1. Robustness of interdependent networks against cascading failure is studied from the perspective of resource allocation.
- 2. A novel particle swarm optimization variant algorithm with feedback mechanism is proposed to enhance the robustness of interdependent networks.
- 3. Different resource allocation patterns among interdependent networks with different couple probability and total tolerance are compared.
- 4. Types of nodes failure resulted by our algorithm are also studied.

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