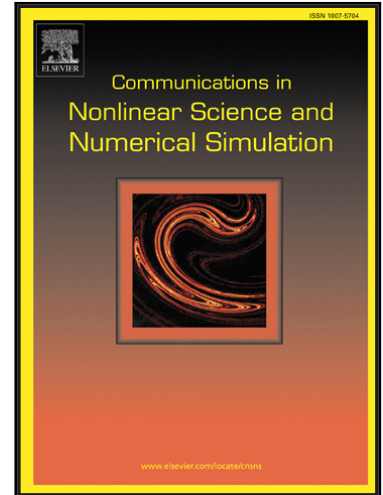


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Effects of Rewiring Strategies on Information Spreading in Complex Dynamic Networks

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**Highlights**

- This study explores and compares effects of two rewiring models (Fermi-Dirac distribution and linear functions) on information spreading in scale free and small world networks.
- Rewiring strategy based on Fermi-Dirac distribution function in one way or another impedes the spreading process, however, the structure of the networks mimic the spreading, even with a low spreading rate. The worst case can be when the spreading rate is extremely small.
- Rewiring model based on linear function generates the fastest spreading across the networks. Therefore, if we are interested in speeding up the spreading process in stochastic modeling, linear function may play a pivotal role.

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