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The impact of heterogeneous response on coupled spreading dynamics in multiplex networks

Xiaoyu Nie, Ming Tang, Yong Zou, Shuguang Guan, Jie Zhou

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1. We study the problem of epidemic spreading dynamics with the consideration that the alerting information of the disease may co-spread with the disease spreading process.
2. Heterogeneous responses are considered when people learn the information of the disease.
3. A heterogeneous mean-field theory is developed to described the behavior of coupled dynamics.

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