Accepted Manuscript

Research on how the difference of personal propagation ability influences the epidemic spreading in activity-driven network

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PII: S0378-4371(18)31209-3
DOI: https://doi.org/10.1016/j.physa.2018.09.077
Reference: PHYSA 20138

To appear in: *Physica A*

Received date : 12 May 2018
Revised date : 20 July 2018

Please cite this article as: H. Dun, et al., Research on how the difference of personal propagation ability influences the epidemic spreading in activity-driven network, *Physica A* (2018), https://doi.org/10.1016/j.physa.2018.09.077

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Highlights

1. We establish an epidemic propagation model in activity-driven network by considering the personal propagation ability.
2. The epidemic threshold is calculated theoretically using the mean field methods.
3. Our research provide a feasible method to explore how the differences of individual activities and personal propagation ability affect the epidemic spreading.

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