

Accepted Manuscript

Global stability of endemic equilibrium of an epidemic model with birth and death on complex networks

Xiaodan Wei, Gaochao Xu, Lijun Liu, Wenshu Zhou

PII: S0378-4371(17)30210-8

DOI: <http://dx.doi.org/10.1016/j.physa.2017.02.050>

Reference: PHYSA 18030

To appear in: *Physica A*

Received date: 11 December 2016

Revised date: 31 January 2017

Please cite this article as: X. Wei, G. Xu, L. Liu, W. Zhou, Global stability of endemic equilibrium of an epidemic model with birth and death on complex networks, *Physica A* (2017), <http://dx.doi.org/10.1016/j.physa.2017.02.050>

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.



Highlights

- Global stability of endemic equilibrium of an epidemic model with birth and death on both correlated and uncorrelated networks is proven.
- Numerical simulations are presented to illustrate the theoretical result.

Download English Version:

<https://daneshyari.com/en/article/5103187>

Download Persian Version:

<https://daneshyari.com/article/5103187>

[Daneshyari.com](https://daneshyari.com)