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Dynamics analysis of SIR epidemic model with correlation coefficients and clustering coefficient in networks

Juping Zhang, Chan Yang, Zhen Jin, Jia Li

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Highlights

- 1. The SIR epidemic dynamic models with correlation coefficients are proposed.
- 2. The correlation coefficients between individuals are used as dynamic variables.
- 3. More complex dynamics are generated.
- 4. Two equivalent epidemic thresholds are given in the dynamic networks.

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