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Social contagions on correlated multiplex networks

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Highlights

1. We propose a non-Markovian social contagion model in correlated multiplex networks.
2. An edge-based compartmental (EBC) theory is developed to describe the model, and agree well with numerical simulations.
3. The growth pattern of the final behavior adoption size is changed by the behavior adoption threshold.
4. The inter-layer degree correlations affect the final behavior adoption size, but have no influences on the growth pattern.

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