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Event-triggered synchronization for reaction–diffusion complex networks via random sampling

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- (1) The model of complex network contain the diffusion term, so the system is a temporal-spatial system, which more general than the existing works.
- (2) An event-triggered controller based on the random sampling scheme is proposed. The proposed synchronization strategy can exclude Zeno behavior naturally.
- (3) Some sufficient condition is obtained to guarantee the synchronization of the diffusion complex network can be reached, which is dependent on the diffusion term.

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