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Robust outer synchronization between two nonlinear complex networks with parametric disturbances and mixed time-varying delays

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Highlights

We present a nonlinear complex network model with parametric disturbances and mixed time-varying delays;

Robust outer synchronization is realized by utilizing a linear matrix control method;

Sufficient conditions for synchronization are obtained based on the robust control strategy, linear matrix inequality and Lyapunov stability theory;

The results in this paper can be applied on the complex networks without parametric disturbances.

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