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Global cluster synchronization in nonlinearly coupled community networks with heterogeneous coupling delays

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Highlights:

- New theory on cluster synchronization of nonlinearly coupled networks with delays.
- The framework accommodates a large class of network systems.
- Our approach releases common constraints in previous synchronization theory.
- Delay-independent and delay-dependent criteria for cluster synchronization given.
- Networks exhibit new synchronization scenarios under the synchronization criteria.

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