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Consensus seeking in heterogeneous second-order multi-agent systems with switching topologies and random link failures

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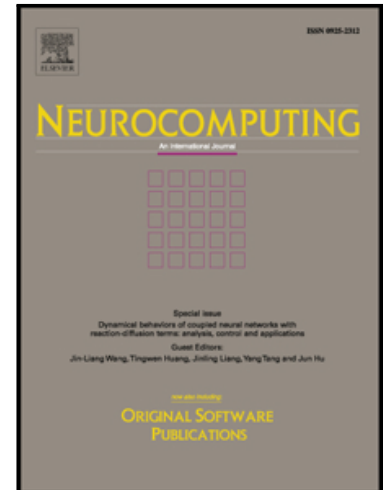
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**Highlights**

- This paper studies the consensus problem of discrete-time heterogeneous multi-agent systems with random link failures and switching topologies.
- The properties of the infinite products of time-varying random row-stochastic matrices and graph theory are explored to analyze this problem.
- A sufficient condition that only depends on the topology structures is obtained.

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