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Reliability Analysis of Complex Multi-State System with Common Cause Failure Based on Evidential Networks

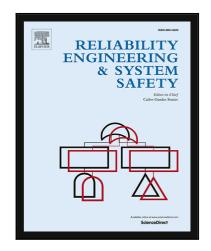
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Highlights

- Epistemic uncertainty and CCFs are synthesized in reliability analysis of MSSs
- D-S evidence theory is used to express the epistemic uncertainty in system
- A modified β factor parametric model is introduced to model the multiple CCF groups
- Developed method is shown to be efficient and practical.

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