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An integrated approach for system functional reliability assessment using Dynamic Bayesian Network and Hidden Markov Model

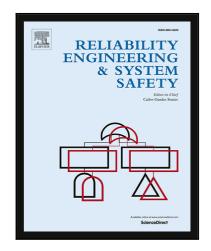
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Highlights

- System functional reliability analysis in spite of sparse historical failure data
- Monitored system process variables used for real-time system reliability evaluation
- The measurement process uncertainties are incorporated using virtual evidence
- The system DBN model enables fault identification at component level



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