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System Reliability Assessment with Multilevel Information Using the Bayesian Melding Method

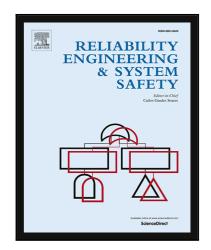
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Highlights

- Investigate methods for integrating multilevel prior information and data through Bayesian melding method
- Update subsystem prior and posterior using system level reliability prior and data
- Posterior reliability inferences using an adaptive sampling importance re-sampling method under multilevel priors and data
- Evaluate system reliability assessment outcomes with varying sample sizes

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