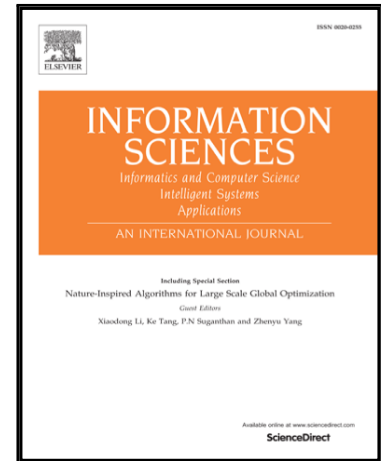


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A comparison between aggregation before and after propagation based on a reliability model

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HIGHLIGHTS

- Study case is based on fatigue reliability model developed to assess hydroelectric turbine blades.
- Difference between aggregation before and after propagation can be significant in some conditions. For the fatigue reliability model, the difference is significant when the operating point is in the safe region closer to the limit state and when divergence between experts is important.
- A Divergence Metric δ based on the *Area Metric* was used to assess expert opinions.
- Aggregation rule based on the Cumulative Distribution Averaging was proposed.

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