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A new uncertainty propagation method for problems with parameterized probability-boxes

H.B. Liu , C. Jiang , X.Y. Jia , X.Y. Long , Z. Zhang , F.J. Guan

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Highlights

- A new uncertainty propagation method for problems with parameterized probability-boxes is proposed.
- The proposed method can significantly improve the computational efficiency of calculating the probability bounds of output response.
- The proposed method can provide sufficient accuracy for reliability analysis or risk assessment of a structure or system.

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