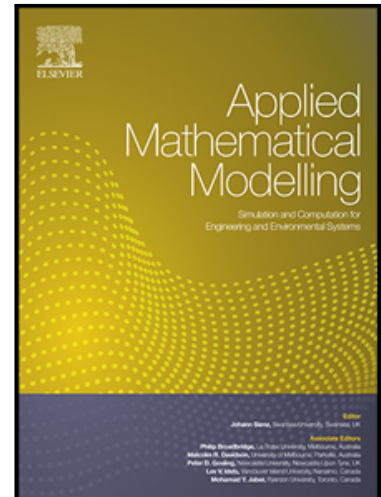


## Accepted Manuscript

New maximum entropy-based algorithm for structural design optimization

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**Highlights:**

- A new algorithm based on nonlinear transformation is proposed to solve practical problems of reliability analysis.
- Finite boundaries are obtained for numerical integration of the maximum entropy method through the transformation.
- Typical examples are studied to confirm the efficiency of the proposed method.

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