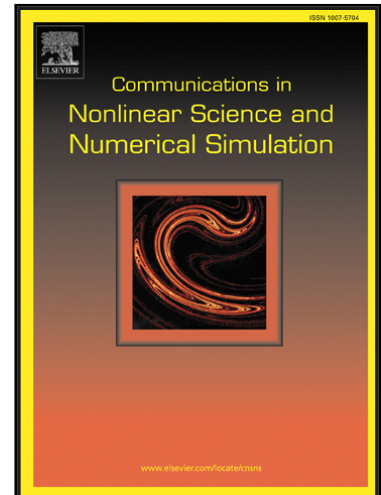


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Effect of uncertainty on cooperative behaviors during an emergency evacuation

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Highlight

- We propose a new computational model to study cooperation and evacuation efficiency.
- Higher emergency results in lower cooperative frequency.
- The most evacuation efficiency can be obtained when the emergency level is intermediate.
- For emergency evacuation, smaller or larger amount of uncertainty will promote cooperation and result in higher evacuation efficiency.

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