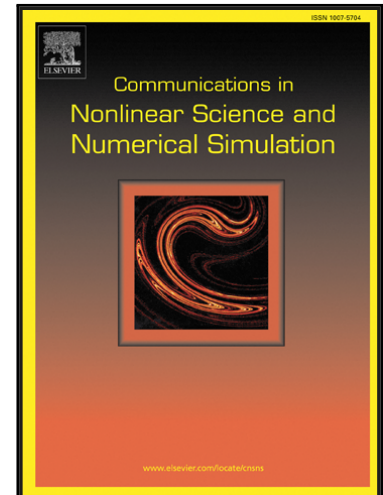


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Distinguishing chaotic time series from noise: A random matrix approach

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**Highlights**

- A RMT approach to identify the underlying dynamics of time series is proposed.
- Spectral statistics for continuous chaos don't agree with the predictions of RMT.
- Spectral distributions for the standard map are similar to that of noisy signals.

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