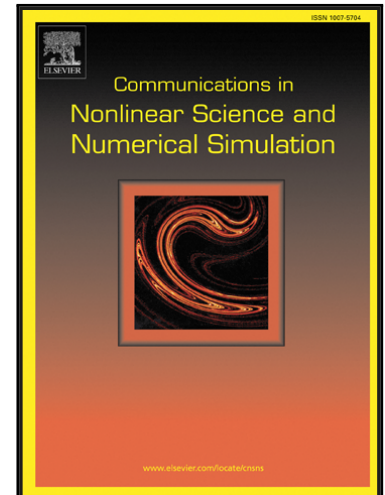


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Multi-scale entropy analysis and conditional sampling of the velocity increment in a transitional boundary layer

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Hihlights

- In this paper, the multi-scale entropy and the conditional sampling are used to study the velocity increment in the boundary layer transition process.
- Similarities in the distribution of velocity increment in each part (laminar/turbulent) of the intermittent flow are observed.
- It is also found that there is a process for both the laminar and turbulent part of the fluid motions to evolve into the mature state before the fully developed turbulence is reached.

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