Special Issue

Intermittency in Transitional Shear Flows

Message from the Guest Editor

The transition to turbulence in fluid flows remains one of the unsolved problems of classical physics. An especially challenging configuration occurs when laminar and turbulent flows coexist in both space and time, as revealed by an ever-increasing number of experimental and computational investigations. This concerns most flows in simple geometries such as pipes, ducts, channels, and also boundary layer flows. This Special Issue will be an ideal opportunity to review and gather the latest progress on this fascinating interdisciplinary topic at the crossroad among hydrodynamics, complexity theory, and statistical physics.

Guest Editor

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The concept of entropy is traditionally a quantity in physics that has to do with temperature. However, it is now clear that entropy is deeply related to information theory and the process of inference. As such, entropic techniques have found broad application in the sciences.
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