Special Issue

Entropy-based Methods in In and Out of Equilibrium Systems

Message from the Guest Editor

This Special Issue aims to present current state-of-the-art modeling efforts that advance the understanding of entropy-based methods in in and out of equilibrium systems, e.g., dynamical systems, fluids, and plasmas and other fields. These are areas of particular interest, since there is strong evidence from laboratory experiments, observations, and computational studies that coherent structures can cause intermittent transport, significantly changing the dynamics. The is open to considering any paper relevant to the subject matter of the Special Issue.

- turbulence
- anomalous diffusion
- Tsallis entropy
- nonlocal theory
- Lévy noise
- fractional Fokker–Plank equation
- fractional calculus/models
- generalized statistical mechanics
- q-Entropy/Tsallis entropy
- intermittency
- coherent structure
- multiscale analysis
- self-organization

Guest Editor

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

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.

Entropy is an online open access journal providing an advanced forum for the development and/or application of entropic and information-theoretic studies in a wide variety of applications. *Entropy* is inviting innovative and insightful contributions. Please consider *Entropy* as an exceptional home for your manuscript.

Editor-in-Chief

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