Special Issue

Entropy Measures and Applications in Astrophysics

Message from the Guest Editor

Astrophysical structures are generally subject to spatial or temporal nonlocal interactions and correlations evolving in a non-Euclidean and multifractal spacetime that makes their behavior nonextensive. Inspired by the Renyi entropy measure, during the last three decades, a variety of nonextensive entropy concepts were developed, suitably extending the standard additivity of the classical Boltzmann–Gibbs extensive thermostatistics. This Special Issue aims to illuminate the power of nonextensive entropy paths for theoretical investigations and applications in view of nonlocal interactions in astrophysical structures with the goal of highlighting recent interdisciplinary developments, applications, and the universality of entropy measures.

Guest Editor

Prof. Dr. Manfred P. Leubner
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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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