Special Issue

Entropy and Dark Energy

Message from the Guest Editor

The aim of this Special Issue is to collect works which consider the role that information energy can play as a source of dark energy, and also any possible role of information energy in explaining features previously attributed to dark matter. Subjects of interest include but are not limited to:

- Landauer's Principle, information–energy equivalence;
- Information content of the universe, total information energy in the universe;
- Astrophysical and cosmological entropy;
- Information energy as dark energy;
- Holographic dark energy models;
- Comparison of information models with observational data;
- Information equation of state parameter and universe expansion;
- Information energy as a solution to tensions and problems of ΛCDM;
- Can the universe information energy distribution explain H0 directional anisotropies?
- Does the information energy distribution within galaxies coincide with dark matter attributed effects?
- Information energy predicted experimental observation signatures for model falsification.

Guest Editor

Prof. Dr. Michael Paul Gough

Department of Engineering and Design, University of Sussex, Brighton BN1 9QT, UK

Deadline for manuscript submissions

closed (20 November 2022)

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Entropy
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
entropy@mdpi.com

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About the Journal

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

Prof. Dr. Kevin H. Knuth
Department of Physics, University at Albany, 1400 Washington Avenue, Albany, NY 12222, USA

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