



entropy



an Open Access Journal by MDPI

Arrow of Time

Guest Editor:

Prof. Craig Callender
Professor of Philosophy,
University of California, San
Diego, 9500 Gilman Drive, La
Jolla, CA 92093, USA

Deadline for manuscript
submissions:

closed (15 January 2012)

Message from the Guest Editor

Dear Colleagues,

Problems connected to the arrow of time remain some of science's largest mysteries. Perhaps because the direction of time plays such a large role in our own lives we maintain a persistent interest in any science that distinguishes the past from future in a robust manner. Whatever the reason, there are many open and fascinating questions associated with the arrow of time in and across many sciences. In statistical mechanics, Boltzmann and many other greats of physics tackled the origins of thermodynamic entropy increase. This puzzle remains, but so do many comparable ones concerning the radiation arrow, cosmological arrow, psychological arrow, and more. What are the origins of these arrows? How are they affected when (e.g.) gravity is taken into account? How do they relate to one another? We hope for progress on these and other questions in this issue.

Prof. Craig Callender
Guest Editor



mdpi.com/si/1354

Special Issue



entropy



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Kevin H. Knuth

Department of Physics, University
at Albany, 1400 Washington
Avenue, Albany, NY 12222, USA

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.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [Inspec](#), [PubMed](#), [PMC](#), [Astrophysics Data System](#), and [other databases](#).

Journal Rank: JCR - Q2 (*Physics, Multidisciplinary*) / CiteScore - Q1 (Mathematical Physics)

Contact Us

Entropy Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/entropy
entropy@mdpi.com
[X@Entropy_MDPI](https://twitter.com/Entropy_MDPI)