

Special Issue

Information Theory Application in Visualization

Message from the Guest Editors

Information theory is “the science of quantification, coding and communication of information” (Usher, 1984). Since the pioneering work by Shannon and Wiener in the late 1940s, information theory has played an underpinning role in the field of tele- and data communication. It has also been applied to disciplines such as physics, biology, neurology, and psychology. In computer science, its applications include computer graphics, medical imaging, computer vision, data mining, and machine learning. *Visualization* is concerned with visually coding and communicating information. Many aspects of a visualization pipeline feature events of a probabilistic nature, bearing a striking resemblance to a communication pipeline. This Special Issue of *Entropy* focuses on the applications of information theory in visualization.

Guest Editors

Prof. Dr. Mateu Sbert

Department of Informàtica i Matemàtica Aplicada, University of Girona, 17071 Girona, Spain

Prof. Dr. Min Chen

Pembroke College, University of Oxford, Oxford OX1 1DW, UK

Prof. Dr. Han-Wei Shen

Computer Science and Engineering, The Ohio State University, Columbus, OH 43210, USA

Deadline for manuscript submissions

closed (30 April 2019)



Entropy

an Open Access Journal
by MDPI

Impact Factor 2.1
CiteScore 4.9
Indexed in PubMed



mdpi.com/si/9927

Entropy

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

[mdpi.com/journal/
entropy](https://mdpi.com/journal/entropy)





Entropy

an Open Access Journal
by MDPI

Impact Factor 2.1
CiteScore 4.9
Indexed in PubMed



[mdpi.com/journal/
entropy](https://mdpi.com/journal/entropy)



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

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)