Special Issue

Geometry in Thermodynamics II

Message from the Guest Editor

We reopen the call for submissions of manuscripts to the volume "Geometry in Thermodynamics." Our updated call is intended to accommodate a somewhat-expanded span of topics, new researchers in the field, as well as anyone else who would like to contribute at this point. We welcome articles on symplectic geometry, contact geometry, inner product geometry, metric geometry, information geometry, and Legendre invariant geometry. Applications can include finite-time thermodynamics, fluctuation phenomena, black hole thermodynamics, and phase transitions. In addition, we invite articles related to model evaluations, quantum phase transitions, stochastic thermodynamics, machine learning, control theory, computer vision, optimal transport theory, and Wasserstein geometry. Geometry of thermodynamics is a growing area of research, with many new contributions in a number of areas.

Guest Editor

Prof. Dr. George Ruppeiner
Division of Natural Sciences, New College of Florida, 5800 Bay Shore Road, Sarasota, FL 34243, USA

Deadline for manuscript submissions

closed (28 February 2018)

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

mdpi.com/journal/entropy

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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.

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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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