

Special Issue

Probability, Integrability, and Conformal Invariance

Message from the Guest Editors

In recent years, exciting progress has been made in several topics of mathematical physics aimed at giving exact results to simplified models in physics, showing that progress can be made even in topics with a long and venerable history, such as conformal field theory or the Bethe ansatz. This Special Issue is devoted to recent developments in the application of the theory of the Bethe ansatz, conformal field theory, field theory in general, the stochastic Loewner equation, and random matrix theory to study classical and quantum problems encountered in physics. The focus is on the application of recent advances in mathematical methods in analytical calculation in physics. Submission of contributions to this Special Issue is encouraged from all participants of the Probability, Integrability, and Conformal Invariance Program (<http://scgp.stonybrook.edu/archives/33651>) on 16 August–10 September 2021.

Guest Editors

Prof. Dr. Eldad Bettelheim

Racah Institute of Physics, Hebrew University of Jerusalem, Jerusalem 9190401, Israel

Prof. Dr. Ilya Gruzberg

Department of physics, Ohio State University, Columbus, OH 43210, USA

Deadline for manuscript submissions

closed (30 April 2022)



Entropy

an Open Access Journal
by MDPI

Impact Factor 2.1
CiteScore 5.2
Indexed in PubMed



mdpi.com/si/86855

Entropy
Editorial Office
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 5.2
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)