Special Issue

Dynamics of Many-Body Quantum Systems

Message from the Guest Editor

Thanks to continuous progress in the study of many-body quantum systems, it is now possible to study, both theoretically and experimentally, the dynamics of complex many-body quantum systems to unprecedented levels. Recent investigations have studied the thermalization properties of many-body systems and their relaxation dynamics. These issues have been investigated with or without the presence of dissipation, and in the latter case, the resulting steady state has attracted significant attention. An important focal point has been the ability to control many-body quantum systems, to generate target states, and to induce the emergence of correlations. The aim of this Special Issue is to collate important aspects of this body of knowledge with relevance both from a fundamental and an applied perspective.

Guest Editor

Dr. Dario Poletti

Science and Math Cluster, Singapore University of Technology and Design, 8 Somapah Road, Singapore 487372, Singapore

Deadline for manuscript submissions

closed (31 March 2021)

Entropy

an Open Access Journal by MDPI

Impact Factor 2.0
CiteScore 5.2
Indexed in PubMed

mdpi.com/si/37620

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

mdpi.com/journal/entropy

Entropy

an Open Access Journal by MDPI

Impact Factor 2.0
CiteScore 5.2
Indexed in PubMed

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)

MDPI