



Dynamics of Many-Body Quantum Systems

Guest Editor:

Dr. Dario Poletti

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

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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.





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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

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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Entropy Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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