Special Issue

Entropy and Information in Quantum Many-Body Systems

Message from the Guest Editors

This Special Issue aims to be a forum for the presentation of new results from the study of entropy and information in quantum many-body systems, with example topics listed above. Both theoretical (including computational) and experimental studies fall within the scope of this Special Issue.

- entanglement entropy
- thermodynamic entropy
- area laws for entropy
- information scrambling
- channel capacity
- quantum speed limit for information propagation
- random number generation
- engineered reservoirs
- quantum thermometry of many body systems
- thermalization of many body systems
- quantum thermodynamics of many body systems

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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

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