Special Issue

Editorial Board Members' Collection Series on Quantum Entanglement

Message from the Guest Editors

Quantum entanglement, as the main topic of the 2022 Nobel Prize, has played the central role in quantum information processing. This Special Issue, entitled "Quantum Entanglement", is a collection of articles regarding the fundamental properties, manipulation, and application of quantum entanglement. The issue covers, but is not limited to, the following topics:

- Entanglement-based quantum communication;
- Quantum teleportation;
- Device-independent quantum key distribution;
- Quantum repeaters;
- High-quality entanglement techniques;
- Entanglement generation and purification;
- Entanglement-assisted quantum computing;
- Boson sampling and Gaussian sampling;
- NISQ.

Guest Editors

Prof. Dr. Xiang-Bin Wang

Prof. Dr. Richard D. Gill

Prof. Dr. Francesco De Martini

Dr. Hendra Nurdin

Prof. Dr. Yujun Zheng

Dr. Agostino Migliore

et al.

Deadline for manuscript submissions

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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.

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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