

Special Issue

Quantum Computation and Information: Multi-Particle Aspects

Message from the Guest Editors

This Special Issue mainly focuses on state-of-the-art advancements concerning multi-particles. These advancements are emerging in various research directions within the field of Quantum Computation and Information. In particular, the Issue will target works on research topics that blend multi-particle physical and mathematical modelling with techniques and concepts from quantum statistical mechanics. Within this framework, the problems addressed specifically concern various kinds of quantum computational and informational multi-particle algorithms and related matters, such as performance and design, as well as quantum walks, topological quantum computing, and multi-particle entanglement.

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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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