Special Issue

Quantum Information Revolution: Impact to Foundations

Message from the Guest Editors

The recent quantum information revolution has, not only technological, but also foundational outputs. It completely changes our image of quantum theory, which becomes quantum information theory. In this Special Issue we would like to update the foundational novelty of modern quantum theory. We invite all kinds of contributions devoted not only to coupling of foundations with the quantum information revolution, but also general development of quantum theory and its mathematical formalism, as well as its novel applications, e.g., applications to modeling cognition, biological, social, and political processes. Any contribution directed to development of quantum foundations and the corresponding mathematical apparatus are welcome.

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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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