Special Issue

Quantum Correlations, Contextuality, and Quantum Nonlocality

Message from the Guest Editors

The quantum information age has started. It is no longer logical to insist on the weirdness of quantum theory rather than recognize its beauty, face its challenges, and discover how to benefit from its nonclassical resources. This is precisely the spirit of this Special Issue. Authors can contribute with papers from foundational to applied perspectives on the general theme of Quantum Correlations. Original research is favored, but strong perspective, historical, or review papers of reasonable size may also be considered. The main scope of this Special Issue includes bell nonlocality, contextuality, quantum games, generalized probability theories, quantum causality, or any informational task showing quantum advantage. Nonetheless, authors can and should address other topics under the umbrella of quantum correlations if they believe that their contribution can help us to uncover the potential of quantum mechanics. Keywords: bell nonlocality; contextuality; generalized probability theories; entanglement; quantum advantage; quantum state geometry; quantum channels; quantum measurements; weak values

Guest Editors

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Deadline for manuscript submissions

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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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