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Entropy and Complexity in Quantum Dynamics

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Message from the Guest Editor

The goal of this Special Issue is to present the latest advances at the intersection of quantum physics and quantum information, with a focus on the dynamic behavior of quantum systems. Theoretical and experimental developments probing thermalization and chaos in quantum systems, many-body localization, quantum error correction, information propagation through unitary quantum networks, as well as information-theoretic implications of blackhole dynamics, are within the scope of this issue.



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Special Issue



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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.

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