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Coherence in Open Quantum Systems

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Message from the Guest Editors

Dear Colleagues,

The aim of the present Special Issue is to discuss different theoretical, as well as experimental, results characteristic of open quantum systems. In order to underline their meaning, a few results that are characteristic of other systems (including classical systems and optics) will also be considered. Of special interest are, among others, the following topics: Singular points and their influence on the dynamics of open systems; eigenvalues and eigenfunctions of a non-Hermitian Hamilton operator describing an open quantum system; formation of aggregates in small systems; nonadiabatic processes in open quantum systems; transmission through quantum dots; and photosynthesis.

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Guest Editors



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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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