



symmetry

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Asymmetry and Stochastics Applied to Reliability Theory and Engineering

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Message from the Guest Editor

Dear Colleagues,

Symmetry is a common feature in many branches of applied mathematics, such as reliability theory and engineering. For redundancy allocations, researchers usually seek allocation policies for reliability systems with symmetrical structures such as k-out-of-n systems.

However, phenomena of asymmetry and stochastics have occurred increasingly and played an increasingly important role in reliability theory and engineering. Therefore, modeling asymmetry and stochastics and analyzing and comparing effects induced by them become especially important in solving interested problems.

This Special Issue is addressed to scientific researchers working in the fields of reliability theory and engineering. The main aim is providing a platform for the discussion of the major research challenges and achievements related to asymmetry and stochastics applied in these two research areas. Research articles as well as review articles are welcome....



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Special Issue



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Message from the Editor-in-Chief

Symmetry is ultimately the most important concept in natural sciences. It is not surprising then that very basic and fundamental research achievements are related to symmetry. For instance, the Nobel Prize in Physics 1979 (Glashow, Salam, Weinberg) was received for a unified symmetry description of electromagnetic and weak interactions, while the Nobel Prize in Physics 2008 (Nambu, Kobayashi, Maskawa) was received for the discovery of the mechanism of spontaneous breaking of symmetry, including CP symmetry. Our journal is named *Symmetry* and it manifests its fundamental role in nature.

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