Special Issue

Dynamical Systems, Differential Equations and Applications

Message from the Guest Editors

This Special Issue is dedicated to the International Conference on Mathematical Analysis and Applications in Science and Engineering (ICMA2SC'20, https://www.isep.ipp.pt/Page/ViewPage/ICMASC). ICMA2SC'20 is a refereed conference emphasizing different topics of mathematical analysis and applications in science and engineering. This Special Issue will focus on dynamical systems taken in the broad sense; these include, in particular, iterative dynamics, ordinary differential equations, and (evolutionary) partial differential equations. We welcome papers dealing with these topics, either at a theoretical level or at a level of their multiple applications to physics (e.g., cosmology, quantum physics and matter theory, and thermodynamics), or yet as standard applications to control theory, artificial intelligence, diagnosis algorithms, and so on.

Guest Editors

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Deadline for manuscript submissions

closed (27 September 2022)

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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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