Information Theory and Information Geometry in Dynamical Systems and Machine Learning

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Message from the Guest Editor

This Special Issue aims to serve as a timely locus for bringing together modern theoretical and application-oriented developments arising from the cross-fertilisation between information theory, information geometry, and dynamical systems theory. Contemporary applications to the quantification of predictability and dynamic uncertainty, as well as various aspects of learning theory, robustness, and approximation capacity of neural networks and other information processing systems, are of particular interest.

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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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