Special Issue

Information Theory in Complex Networks

Message from the Guest Editors

Many complex systems are described by a network of interactions between their often-large number of components. Information theory opens a promising roadmap to quantify the complexity of networks. This Special Issue aims to present the latest developments in information theory of complex networks. Contributions applying or extending key concepts from information theory to the analysis of complex networks are very welcome. Keywords

- Complex networks
- Information theory
- Statistical physics
- Evolution
- Criticality
- Robustness
- Natural, sociotechnical and artificial networks
- Dynamics on and dynamics of networks
- Information flow in and information processing by networks
- Information based data analysis and inference

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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.

Entropy is an online open access journal providing an advanced forum for the development and/or application of entropic and information-theoretic studies in a wide variety of applications. *Entropy* is inviting innovative and insightful contributions. Please consider *Entropy* as an exceptional home for your manuscript.

Editor-in-Chief

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