



entropy



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Multivariate Entropy Measures and Their Applications

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Message from the Guest Editor

Dear Colleagues,

Standard entropy measures have found applications in a large variety of fields. However, they are adapted to single-channel data and fail to account for dynamical relationships existing between variables. Real systems are very often multivariate in nature: They include several different kinds of variable. Multivariate extensions of entropy measures therefore become increasingly interesting to study real data.

The aim of this Special Issue is to encourage researchers to present original and recent developments on multivariate entropy. Papers presenting concepts or applications are welcome. Applications can include (but are not limited to) biomedical engineering, chemical engineering, hydrology, pharmaceutical sciences, financial analyses, neurosciences, industrial engineering, geosciences, information sciences, *etc.*

Prof. Anne Humeau-Heurtier

Guest Editor



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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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