



entropy

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The 20th Anniversary of *Entropy* - Approximate and Sample Entropy

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Message from the Guest Editor

Dear Colleagues,

We are celebrating the 20th anniversary of the journal *Entropy* in 2018. The growth of *Entropy* has only been possible because authors, reviewers, editors, and all people working in some way for the journal have joined their efforts for years.

To mark this important milestone, a Special Issue entitled “Approximate and Sample Entropy” is being launched. Based on information theory, a number of entropy measures have been proposed since the 1990s to assess systems’ irregularity. S.M. Pincus (1991) introduced Approximate Entropy as a measure of the regularity of a process that is related to Shannon’s entropy. J.S. Richman and J.R. Moorman (2000) modified this algorithm to create a more robust and less biased statistic: Sample Entropy. Both Approximate and Sample Entropy have received a great deal of attention in the last few years.

The aim of this Special Issue is to encourage researchers to present original and recent developments on time series analysis using Approximate and Sample 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. Dr. Roberto Hornero
Guest Editor



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Special Issue



Editor-in-Chief

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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 journal to disseminate your work.

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