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Entropy in Dynamic Systems II

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Message from the Guest Editor

In order to measure and quantify the complex behavior of real-world systems, either novel mathematical approaches or modifications of classical ones are required to precisely predict, monitor and control complicated chaotic and stochastic processes governed by difference and differential (ordinary and partial) equations, algebraic-differential equations, integral-differential equations and equations with time delay. Though the roots of dynamical entropy are associated with the names of influential mathematicians, such as Kolmogorov, Sinai, Shannon, Krieger, Orstein, and Dinsburg, nowadays, it wandered to different branches of pure and applied sciences, and it possesses various meanings.



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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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