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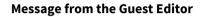
Chaos Theory and Its Applications to Economic Dynamics

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Chaos theory refers to the behaviour of certain deterministic nonlinear dynamical systems whose solutions, although globally stable, are locally unstable. These chaotic systems describe aperiodic, irregular, apparently random and erratic trajectories.

Most economic time series exhibit this type of erratic and irregular cyclical behaviour. Chaos theory provides a new possibility to explain the irregularity and aperiodicity of economic phenomena without the need to appeal to purely stochastic behaviour.

In this Special Issue, we aim to present the recent developments in two main areas. On the one hand, in the development of theoretical models that, based on a rigorous economic foundation, allow the emergence of chaotic solutions. The second main area of application is the empirical or statistical analysis of chaotic economic and financial time series.

This Special Issue will accept high-quality papers containing original research results and review articles of exceptional merit in the following fields:

Chaos models in economics; Chaos theory in financial markets; Detection of Chaos in economic and financial time series; Predictability and Chaos control in Economics.

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