

Special Issue

Mathematical Methods on Economic Dynamics

Message from the Guest Editor

In recent decades, there has been substantial development in the application of mathematics in natural and social sciences. On one hand, there are a large number of models that require knowledge of new mathematical techniques to be analyzed. On the other hand, developing new mathematical techniques has become necessary to handle models that exhibit complex behavior. Economics is a branch of knowledge for which mathematical methods play a very important role. From purely deterministic models, for example, oligopoly models, to real-time analysis of financial time series, mathematics provides tools for a better understanding of the economic phenomena. This Special Issue is devoted to papers on economic models for which mathematics plays an important role. New mathematical techniques for analyzing economic processes, as well as the analysis of economic models requiring deep mathematical tools are especially welcome. A non-exhaustive list of topics includes economic growth, oligopoly dynamics, evolutionary game theory, and time series analysis, etcetera.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

The journal *Mathematics* publishes high-quality, refereed papers that treat both pure and applied mathematics. The journal highlights articles devoted to the mathematical treatment of questions arising in physics, chemistry, biology, statistics, finance, computer science, engineering and sociology, particularly those that stress analytical/algebraic aspects and novel problems and their solutions. One of the missions of the journal is to serve mathematicians and scientists through the prompt publication of significant advances in any branch of science and technology, and to provide a forum for the discussion of new scientific developments.

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