

Special Issue

Stochastic Control and Optimal Stopping with Applications in Economics and Finance

Message from the Guest Editor

Economics and finance can be defined as a subject that aims to understand how scarce resources, including capital, are allocated most efficiently. In essence, most problems that arise from the subject are mathematical ones. In particular, many of them reduce to a stochastic control and optimal stopping problem. In this issue, we plan to publish papers that are closely related to financial mathematics. All the papers studying economics and finance that use stochastic control and optimal stopping theory are welcome to submit to the issue. Special preferences are given to papers that address optimal investment and financing for small businesses or high-tech startups, real options, capital structure, venture capital, private equity, loan guarantees, financial contracting, asset securitization, and structured finance. In short, we welcome all papers that use stochastic control or optimal stopping theory to solve an economic or financial problem to be submitted for this issue.

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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