

Special Issue

Advances in Computational Methods for Finance and Insurance

Message from the Guest Editors

The complexity of modern financial contracts makes computational techniques mandatory for their evaluation. Risk and value estimates must be accurate in order to meet regulation requirements, and must be computed in a suitable turnaround time. It is then a challenging matter to focus on numerical simulation, with the aim of obtaining adaptive solution processes, that are capable of being properly scaled to balance accuracy and computational efficiency on demand, depending on the evaluation context. In addition, the availability of a huge amount of data has driven research towards new methodologies based on artificial intelligence. This Special Issue covers the rapidly growing field of computational methods used to solve problems arising in finance and insurance. We invite authors to submit research papers which present original contributions that focus on numerical methods, also based on artificial intelligence techniques. Topics of interest include, but are not limited to, risk management, derivative pricing, asset allocation, forecasting, and life and non-life insurance, among the others.

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Deadline for manuscript submissions

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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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