Special Issue

Fractional Calculus and Models in Finance and Economics

Message from the Guest Editors

This Special Issue of Mathematics aims to encourage researchers to submit high-quality papers delving into innovative applications of fractional calculus and related models for a deeper comprehension and prediction of economic and financial phenomena. Topics of interest include fractional and multifractional models, fractional stochastic volatility, scaling and self-similarity, and long memory. Keywords

- fractional calculus
- fractional differential equations
- fractional and multifractional stochastic processes
- long memory
- scaling
- self-similarity
- non-integer order dynamics
- memory effects
- non-local interactions
- time-varying regularity
- stochastic volatility
- anomalous diffusion
- power-law behavior
- complex systems modeling
- applications in finance and economics

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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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