



Recent Advances in Fractional Differential Equations and Their Applications

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Message from the Guest Editors

Fractional differential equations can describe the dynamic systems of complex and non-local systems with memory. They can be developed from stochastic dynamical systems that are driven by non-Gaussian Levy noise that has long tails and bursting sample routes. They appear in a wide variety of scientific and engineering sectors, including physics, biology, economics, and chemical engineering. In general, because of memory and nonlocality, it is frequently challenging to find analytical solutions. Finding effective strategies for numerically solving fractional differential equations thus becomes a pressing issue.

In light of the aforementioned regarding the significance of numerical methods and analysis.

