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Analysis of Caputo-Type Fractional Derivatives and Differential Equations

Guest Editors:

Prof. Dr. Wei Wei
Department of Mathematics, Guizhou University, Guiyang, Guizhou 550025, China

Prof. Dr. Jinrong Wang
Department of Mathematics, Guizhou University, Guiyang, Guizhou 550025, China

Prof. Dr. Michal Fečkan
Department of Mathematical Analysis and Numerical Mathematics, Comenius University in Bratislava, Bratislava, Slovakia

Deadline for manuscript submissions:
closed (15 July 2023)

Message from the Guest Editors

This Special Issue is devoted to the analysis of Caputo-type fractional derivatives and differential equations. Caputo-type fractional derivatives and differential equations are a class of important topics, which are used to characterize certain evolution processes in viscoelasticity control and physics.

For this SI, we are inviting the submission of papers concerning the theory of differential equations with both ordinary, delay, quaternion-valued, and impulsive, as well as their theoretical and practical applications.

- fractional Hermite–Hadamard inequalities
- existence an uniqueness
- exponential stability
- finite time stability
- Ulam's type stability
- asymptotically periodic solutions
- averaging principle
- controllability
- iterative learning controls
- fractional order
- delay
- impulsive
- multi-agent systems
- quaternion-valued
- evolution equations

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