Dynamical Systems and Optimal Control

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

The vast majority of papers in this Issue will be devoted to local and nonlocal condition and transference differential equations of heat and mass transference mathematical processes in continuous media with memory and in media with fractal structure. These papers shall investigate modified initial and mixed boundary value problems for generalized transfer differential equations of integral and fractional orders.

Additionally, some papers will be devoted to numerical schemes and an alternating direction implicit (ADI) scheme for one-dimensional and two-dimensional time-space fractional vibration equations (FVEs), respectively. Here, the considered time-space FVEs are equivalently transformed into their partial integrodifferential forms with the classical first order integrals and the Riemann–Liouville derivative.

Prof. Dr. Temirkhan Aleroev
Guest Editor

Special Issue

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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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