

Special Issue

Mathematical Modeling and Control for Engineering Applications

Message from the Guest Editors

Mathematical modeling and the control of processes, described using various boundary value problems and with various imposed restrictions, are used in many research problems with engineering applications. The description of these phenomena depends on the advances made in mathematics and in mathematical modeling with solutions in generalized function spaces capable of describing control methods for non-smooth dynamical systems and/or with non-differentiable terms. The mathematical theory of such processes and phenomena, including dynamic models, algorithms, controller design, and mathematical methods, are important for understanding and describing problems that arise in natural phenomena. This Special Issue welcomes contributions involving cross-border problems in mathematics, physics, and engineering.

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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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