

Special Issue

Advances in the Research on Solutions of Impulsive Differential Equations

Message from the Guest Editors

(Random) Impulsive differential equations have received considerable attention because they fully consider the impact of instantaneous sudden phenomena on a system state and accurately reflect the changing laws of things; however, the presence of impulses makes the study of dynamic theory more complex. In the past few decades, the development of nonlinear analysis (fixed-point theory, variational analysis) has provided certain theoretical methods for impulsive differential equations, but there are still many problems that have not been solved. On the other hand, impulses also have great value in application fields, such as control.

Impulsive control has the advantages of low cost and precise control, and is widely used. We created this Special Issue to address these issues. This Special Issue aims to encourage high-quality manuscript submissions, highlighting innovative methods and applications for studying the qualitative theories of impulsive differential equations.

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About the Journal

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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