

Special Issue

Qualitative Theory for Ordinary Differential Equations

Message from the Guest Editor

Qualitative analysis has proved to be an important and useful tool to investigate the properties of solutions of differential equations, because it is able to analyze differential equations without solving analytically and numerically. Since the qualitative analysis of differential equations is related to both pure and applied mathematics, its applications to various fields such as science, engineering, ecology have been extensively developed, and it has been and will continue to be one of the main themes in mathematics theoretically and practically. The objective of this special issue is to report on the latest achievements in the qualitative theory of ordinary differential equations. It will reflect both the state-of-the-art theoretical research and important recent advances in applications. Topics of interest include, but are not limited to: Singularities and local behavior of solutions, Stability properties and asymptotic behavior of solutions, Existence, bifurcations and stability of periodic solutions, Existence and properties of almost periodic solutions, Nonlinear ordinary differential operators, Symmetries and integrability of ordinary differential equations.

Guest Editor

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Deadline for manuscript submissions

closed (31 January 2021)



Mathematics

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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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