Special Issue

Fuzzy Numbers, Fuzzy Difference Equations, Fuzzy Differential Equations and Their Applications

Message from the Guest Editors

With the rapid development of new technologies such as artificial intelligence and big data, fuzzy set theory—as the mathematical basis of artificial intelligence—has continued to attract scholarly attention. Fuzzy analysis theory serves as a crucial component. As core concepts of fuzzy analysis, fuzzy numbers, fuzzy differences, fuzzy differentials, etc., are closely linked to many important theories, such as fuzzy difference equations, fuzzy differential equations, fuzzy optimization, fuzzy games, fuzzy decision making, fuzzy control, etc. Therefore, it is essential to study fuzzy numbers, fuzzy differences, fuzzy differentials, and their related theories and applications. This Special Issue invites papers on both theoretical and applied topics, including, but not limited to, the following: Techniques and algorithms for fuzzy optimization. Strategies in fuzzy games. Methods and analyses in fuzzy decision making. Techniques and methods of fuzzy control. This Special Issue will present the results of research describing recent advances in fuzzy numbers, fuzzy differences, and fuzzy differentials.

Guest Editors

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Prof. Dr. Dong Qiu

Dr. Yonghong Shen

Deadline for manuscript submissions

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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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