



Functional Analysis and Mathematical Optimization

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Message from the Guest Editors

Dear Colleagues,

The theory of mathematical optimization or mathematical programming is at the crossroads of many subjects. Optimization problems arise in all quantitative disciplines, from computer science and engineering to operations research and economics, and the development of solution methods has been of interest in mathematics for centuries.

Functional analysis is a branch of mathematical analysis dealing with functionals, and is a subject that is seen as the study of vector spaces endowed with a topology. Optimization and functional analysis are interrelated. Regarding function space methods for optimization problems, much discussion has taken place.

This special issue welcomes submissions from outstanding scholars, including but not limited to related research fields.





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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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