Optimization Theory and Applications

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Message from the Guest Editors

The theoretical analysis of optimization algorithms is important not only because it confirms the appropriateness of an algorithm. It also provides insight into the algorithm's limitations and hints for future research. In this sense, not only are positive results significant but counterexamples that point out the algorithm's weaknesses are also important.

You are cordially invited to submit papers related to all aspects of optimization, both theoretical and applicational. This involves (but is not limited to) linear, quadratic, convex, nonconvex, nonlinear, and integer programming; combinatorial optimization; robust optimization; stochastic programming; quasi-Newton methods; interior point methods; successive quadratic programming; derivative-free methods; approximation algorithms; and evolutionary algorithms.

Keyword:

- Optimization
- Optimization applications
- Mathematical programming
- Stochastic programming
- Integer programming
- Approximation algorithms
- Derivative-free optimization
- Robust optimization
- Combinatorial optimization
- Optimality conditions
- Optimal control

Special Issue

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Message from the Editor-in-Chief

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