Special Issue
Multicriteria Games

Message from the Guest Editor

Mathematical models that take into account the presence of several objective functions of participants in conflict-controlled processes are closer to reality. Players often seek to achieve several goals simultaneously, which can be incomparable. Thus, conflicting interests appear not only between decision-makers but also within each individual due to the different criteria. The multicriteria approach allows determining an optimal behavior in such game-theoretic models of real-life processes. In differential multicriteria games the ideas of Pontryagin and Krasovskii are adopted. The applications of games with vector payoffs are appeared in journals of engineering science, economics, optimization, finance, logistic, medicine, ecology and social science. Renewed interest in recent years has been caused by the realization that multicriteria game-theoretic models can explain a decision makers' real-life behavior. The purpose of this Special Issue is to gather a collection of the recent advances in the theory of multicriteria games, including static and dynamic, noncooperative and cooperative settings and numerous applications.

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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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