

Special Issue

Advances in Mathematical Optimal Control and Applications

Message from the Guest Editors

Control theory is a mathematical discipline that deals with the modeling and regulation of dynamical systems, with the goal of guiding their behavior to meet specific objectives. It involves developing strategies to manipulate inputs to achieve desired outputs, ensuring system stability, performance, and efficiency. Control theory is essential in managing uncertainty, disturbances, and fluctuations in systems, making it a powerful tool in various domains. Among the topics that this Special Issue will address, we may consider the following non-exhaustive list: necessary conditions of optimality; sufficient conditions of optimality; maximum principle; control systems with time delays; control of PDE; consensus models; traffic models; adaptive control; impulsive problems; asymptotic controllability; design of feedback laws; control systems with uncertainty; applications of control theory. We hope that this initiative will be attractive to researchers specialized in the above-mentioned fields. After a peer-review process, submissions will be selected for publication based on their quality and relevance.

Guest Editors

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Message from the Editor-in-Chief

Axioms is dedicated to the foundations (structure and axiomatic basis, in particular) of mathematical theories, not only from a crisp or strictly classical sense, but also from a fuzzy and generalized sense. This includes the more innovative current scientific trends, devoted to discover and solve new challenging problems. The prime goal of *Axioms* is to publish first-class, original research articles under an open access policy with minimal fees for the authors. We would be pleased to welcome you as one of our authors.

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