Special Issue

Recent Advances in Representation Theory with Applications

Message from the Guest Editor

The representation theory presents a well-studied field that has, for many years, influenced several branches in mathematics, ranging from mathematical physics to the number theory. In recent years, significant progress has been achieved in understanding both complex and Banach space representations of classical groups and of Lie algebras. The main aim of this Special Issue is to provide an opportunity to present recent developments in the representation theory and its applications, and to show how the developed methods can be used and further upgraded in different situations. It covers all aspects of the representation theory, such as the structure of complex, *l*-adic and Banach representations, as well as those of related research areas, such as automorphic and modular forms, Lie groups, Lie algebras, and harmonic analysis on groups of the Lie type. We invite high-quality original research papers as well as comprehensive reviews related to the proposed topic.

Guest Editor

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Deadline for manuscript submissions

closed (30 June 2025)

Axioms

About the Journal

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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