

# Journal Axioms

Subjects: [Mathematics](#) | [Logic](#) | [Mathematics, Applied](#)

Contributor: Luna Shen

[Axioms](#) (ISSN 2075-1680) is an international, peer-reviewed, open access journal of mathematics, mathematical logic and mathematical physics, published quarterly online by MDPI. It's now indexed within SCIE (Web of Science), Scopus, dblp, and [other databases](#).

mathematical analysis

mathematical physics

mathematical logic

fuzzy logic

number theory

graph theory

differential equation

probability theory

information theory

quantum theory

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.

## **Subject Areas**

- Axiomatic theories in physics and in mathematics (for example, axiomatic theory of thermodynamics, and also either the axiomatic classical set theory or the axiomatic fuzzy set theory)
- Axiomatization, axiomatic methods, theorems, mathematical proofs
- Algebraic structures, field theory, group theory, topology, vector spaces
- Mathematical analysis
- Mathematical physics
- Mathematical logic, and non-classical logics, such as fuzzy logic, modal logic, non-monotonic logic. *etc.*
- Classical and fuzzy set theories
- Number theory
- Systems theory

- Classical measures, fuzzy measures, representation theory, and probability theory
- Graph theory
- Information theory
- Entropy
- Symmetry
- Differential equations and dynamical systems
- Relativity and quantum theories
- Mathematical chemistry
- Automata theory
- Mathematical problems of artificial intelligence
- Complex networks from a mathematical viewpoint
- Reasoning under uncertainty
- Interdisciplinary applications of mathematical theory

---

Retrieved from <https://encyclopedia.pub/entry/history/show/34252>