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International Journal of Topology

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Message from the Editor-in-Chief

Since Poincaré's "Analysis Situs", topology has grown into a significant field, bridging pure and applied mathematics.

Its reach spans algebraic, geometric, differential, algebraic, and fuzzy topology, related to various areas such as category theory, dynamics, and quantum field theory.

The modern landscape of this field also includes topological quantum computing and character varieties pertaining to geometry and physics.

IJT aims to be an important platform for both foundational research and interdisciplinary applications, from the physics of the solid state to data science, robotics, neuroscience and economics.

We welcome contributions that explore the versatile role of topology in contemporary science and technology.

Editor-in-Chief

Dr. Michel Planat

Aims

International Journal of Topology (ISSN 2813-9542) is an international open access journal. It focuses on maintaining the same spatial attributes in constantly changing situations and is used to elucidate the set structure and functional relationships of spaces. Topics include differential topology, algebraic topology, manifold topology, homology theory, low-dimensional topology, fuzzy sets, as well as its relationship with physics/biology/engineering, and so on, which is widely applied in many disciplinary fields. Our aim is to quickly and conveniently publish the latest experimental and theoretical research results of topology in multiple other mathematical branches, such as function analysis, lie group theory, category theory, etc.

Scope

- Algebraic topology
- Differential topology
- Geometric topology
- Fuzzy topology
- Manifolds and geometry
- Diffeomorphism and Schönflies theorem
- Topological and metric spaces
- Knot theory
- Topological combinatorics
- Complexes
- Homotopy groups and homology
- Cohomology
- Measure theory
- Neighborhood and open set

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