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Modern Mathematical Physics



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Message from the Editor-in-Chief

Modern Mathematical Physics (MMP)

is a leading open access journal dedicated to the rapid publication of cutting-edge research in three key areas: mathematical methods in physics, the rigorous formulation of physical theories, and new mathematics inspired by physical problems (physical mathematics).

MMP covers a wide range of topics, including quantum theory, string theory, statistical thermodynamics, condensed matter physics, and even the fundamentals of engineering physics. While *MMP* primarily publishes theoretical papers, it also welcomes original research that advances our understanding of complex phenomena and thought experiments within rigorous mathematical frameworks. Each year, we organize Special Issues that focus on emerging areas and interdisciplinary applications within the field of mathematical physics.

Editor-in-Chief

Prof. Dr. Chang-Pu Sun

Aims

Modern Mathematical Physics (MMP) is an international, peer-reviewed, open access journal dedicated to advancing research at the intersection of mathematics and physics, encompassing a broad spectrum of theoretical and applied studies and published online by MDPI.

Our journal aims to provide a platform for cutting-edge discoveries and innovative insights in contemporary mathematical physics.

Scope

- Quantum Field Theory, String & Brane Theory, and Gravitation
- Condensed Matter Physics and Statistical Physics
- Quantum Information and Phenomena
- Atomic, Molecular, and Optical Physics
- Complex Fluids, Soft Matter, and Biological Physics
- Nonlinear Dynamics, Chaos, and Complex Systems
- Computational Physics and Mathematical Methods
- Interdisciplinary Research and Emerging Frontiers

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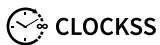
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