Special Issue

Mathematical Physics and Integrable Systems

Message from the Guest Editors

This Special Issue, titled "Mathematical Physics and Integrable Systems", will be published in the journal *Axioms*. The study of mathematical physics and integrable systems, such as solitons, Hamiltonian structure, symmetries, gauge theory, neural networks, and applications on differential equations, is crucial in the field of integrable systems. Tau functions play a significant and intriguing role in these systems. Notably, the Kadomtsev–Petviashvili (KP) equation, a fundamental integrable system in mathematical physics, has attracted increasing attention in shallow water and internal waves. Toda equations also play an important role in the theory of integrable systems. We invite authors to submit their papers to our Special Issue.

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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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