

Special Issue

Modern Methods and Applications Related to Integrable Systems

Message from the Guest Editor

The study of integrable systems, such as solitons, Hamiltonian structures, symmetries, matrix models, neural networks, and applications on differential equations, is crucial in the field of mathematical physics. 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 for applications in the areas of in shallow water and internal waves. We invite authors to submit their papers to our Special Issue.

Guest Editor

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

The journal *Mathematics* publishes high-quality, refereed papers that treat both pure and applied mathematics. The journal highlights articles devoted to the mathematical treatment of questions arising in physics, chemistry, biology, statistics, finance, computer science, engineering and sociology, particularly those that stress analytical/algebraic aspects and novel problems and their solutions. One of the missions of the journal is to serve mathematicians and scientists through the prompt publication of significant advances in any branch of science and technology, and to provide a forum for the discussion of new scientific developments.

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