Special Issue

Symmetries of Integrable Systems

Message from the Guest Editor

The symmetries of integrable systems are important in studies on integrable systems, including the Virasoro symmetries. In these symmetries, the additional symmetry is an interesting and important one. As we know, the Kadomtsev–Petviashvili (KP) hierarchy is an important integrable system that attracts more and more attention in mathematical physics. Additional symmetries of the KP hierarchy were introduced by Orlov and Shulman that contain Virasoro symmetries, which have Virasoro constraints on partition functions of matrix models of string theory under the additional non-isospectral symmetries. There are two important sub-hierarchies of the KP hierarchy, which are the BKP hierarchy and the CKP hierarchy. Similar cases can be used in the Toda hierarchy. We welcome authors to submit their papers to our Special Issue.

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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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