Symmetries of Integrable Systems

Guest Editor:

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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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Special Issue

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Message from the Editor-in-Chief

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