



Completely Integrable Equations: Algebraic Aspects and Applications

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Message from the Guest Editors

The theory of completely integrable systems that has developed over the last half-century or so is extremely wide-ranging, taking in algebraic, geometric and analytic approaches. In addition to the inherent beauty of much of this theory, with its myriad connections to many other areas of mathematics, physics and other sciences, much of this interest is motivated by the many applications of well-known completely integrable equations.

It is this two-fold interest that we seek to reflect in this Special Issue. On the one hand, we seek to focus on algebraic aspects of integrable equations, in particular on Hamiltonian structures, recursion operators, and generalized symmetries and related properties of integrable PDEs and lattices. We would like to invite papers that explore new techniques and examples in relation to these algebraic aspects. In addition, we are interested in contributions that study the properties of integrable systems arising in applications, as well as such applications themselves.





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Message from the Editor-in-Chief

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