Special Issue

Probability, Integrability, and Conformal Invariance

Message from the Guest Editors

In recent years, exciting progress has been made in several topics of mathematical physics aimed at giving exact results to simplified models in physics, showing that progress can be made even in topics with a long and venerable history, such as conformal field theory or the Bethe ansatz. This Special Issue is devoted to recent developments in the application of the theory of the Bethe ansatz, conformal field theory, field theory in general, the stochastic Loewner equation, and random matrix theory to study classical and quantum problems encountered in physics. The focus is on the application of recent advances in mathematical methods in analytical calculation in physics. Submission of contributions to this Special Issue is encouraged from all participants of the Probability, Integrability, and Conformal Invariance Program (http://scgp.stonybrook.edu/archives/33651) on 16 August–10 September 2021.

Guest Editors

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