

Workshop on Integrability



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Type: 40 Min Talk

Folded XXZ model and hard rod deformations

Wednesday, 30 March 2022 12:00 (1 hour)

Integrable models are special quantum many-body systems because they possess a large number of conserved charges, which enables one to treat these models with analytic tools. However, in usual integrable systems (e.g. XXZ model) certain computations - for example the calculation of correlation functions - are very difficult to tackle exactly. Therefore in recent years „simpler” integrable models were constructed and treated. In my talk I will consider one such system, the so called folded XXZ model. I will present some results regarding the dynamics of this system and its connection to hard rod deformations and other simple integrable systems.

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Track Classification: Participants Talks: Abstracts of Participants Talks