

NEW PERSPECTIVES IN CONFORMAL FIELD THEORY AND GRAVITY

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Coordinate Bethe Ansatz for N=2 SCFTs

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The study of spin chains which capture the spectral problem of N=2 SCFTs in the planar limit can shed light on the integrability of 4d gauge theories with less supersymmetry. I investigate the SU(2) subsector of an orbifold daughter of N=4 SYM by using coordinate Bethe Ansatz method. Exact results of the coordinate Bethe ansatz hints an underlying structure such that S-matrix coefficients factorizes and this factorization is closely related to N=4 SYM spin chains in planar limit.

Summary

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