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Coordinate Bethe Ansatz for N=2 SCFTs

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The study of the spectral problem of planar N=2 SCFTs and their corresponding spin chains has been an inauspicious problem. In this talk I want to present a novel approach to the coordinate Bethe Ansatz which allowed the computation of the three-magnon wave function (paper to appear) for the spin chains that capture the spectral problem of the marginally deformed Z_2 orbifold of N=4 SYM in planar limit. The novel idea is the introduction of contact terms which incorporate the dynamical structure of the spin chains and it can be generalized to n-body problem and also to more general orbifolds.

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