

Counting solutions of Bethe's equations

Rafael Nepomechie

nepomechie@physics.miami.edu

Joint work with: A. Gainutdinov, W. Hao and A. Sommes

We consider the important question of completeness (whether the Bethe equations have too many, too few, or just the right number of solutions) for the closed XXX spin- s chain, and for the open quantum-group invariant XXZ spin- $1/2$ chain.