THE RIGGED CONFIGURATIONS IN THE BETHE ANSATZ METHOD

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It is known that using the Bethe Ansatz method one can calculate the exact energies for the XXX model consisting of spins s=$\frac{1}{2}$. The rigged configurations are the combinatorial objects which parametrize the Bethe vectors. In this report the bijection between the solutions of Bethe Ansatz equations performed in terms of Takahashi numbers and the rigged configurations for the isotropic Heisenberg ferromagnet consisting of eight spins is presented.

9.7 cm

13.4 cm

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