



MAFIA - the seminar you can't refuse

Algebraic Bethe Ansatz for low-dimensional orthogonal and sympletic groups

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Abstract: We propose a new approach for calculation of spinor-spinor R-matrix for orthogonal and symplectic symmetry groups and consider few simplest examples. Based on this approach and the fusion method we relate the spinor-vector and vector-vector Monodromy matrices for the chains with the orthogonal and symplectic symmetries. We consider the Algebraic Bethe Ansatz method for few simplest cases taking in mind to develop the Nested Bethe Ansatz for orthogonal groups reducing the eigenproblem for vector-vector transfer matrix for higher orthogonal groups to lower ones.