

Bethe Ansatz for Supersymmetric Model Constructed from $U_q[\text{osp}(2|2)^{(2)}]$ R-Matrix

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Abstract: Using the algebraic Bethe ansatz method, we obtain the eigenvalues of transfer matrix of the supersymmetric model constructed from the R-matrix of the twisted affine superalgebra $U_q[\text{osp}(2|2)^{(2)}]$ in periodic boundary condition and twisted boundary condition.

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Key words: Yang-Baxter equation, super algebra, algebraic Bethe ansatz

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