The Boundary States of the q-Deformed Supersymmetric t-J Model with a Boundary

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Abstract: The q-deformed supersymmetric t-J model on a semi-infinite lattice is diagonalized by using the level-one vertex operators of the quantum affine superalgebra $U_q[\widehat{sl(2|1)}]$. We give the bosonization of the boundary states.

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