

Diagonalization of Infinite Transfer Matrix of Boundary $SU_{\{q,p\}}(\widehat{\mathfrak{sl}}_N)$ Face Model

Takeo Kojima

Yamagata University, Yamagata, Japan

We study infinitely many commuting operators $T_B(z)$, which we call infinite transfer matrix of boundary $SU_{\{q,p\}}(A_{N-1}^{\{1\}})$ face model. We diagonalize infinite transfer matrix $T_B(z)$ by using free field realizations of the vertex operators of the elliptic quantum group $SU_{\{q,p\}}(A_{N-1}^{\{1\}})$. This talk is based on arXiv.1007.3795.