

# Off-diagonal Bethe Ansatz and its applications

Wang Yupeng

Institute of Physics, Chinese Academy of Sciences, Beijing  
P.O.Box 603, Beijing  
China  
yupeng@iphy.ac.cn

Joint work with: Junpeng Cao, Wen-Li Yang, Kangjie Shi

The off-diagonal Bethe Ansatz method, including constructions of the operator identities, the inhomogeneous T–Q relation, the thermodynamic limit and the Bethe states, will be talked with the XXZ spin chain with generic boundary fields as an example.