



ID de Contribution: 51

Type: Non spécifié

Spin chains with generic boundaries, separation of variables and determinant representations

In this talk I'll consider the XXZ spin chain with the most general boundary terms. This integrable model, being interesting as a toy example of quantum out of equilibrium systems, contains also the most general open ASEP as a special case. The main goal of this work is to express observable quantities such as correlation functions, overlaps and the form factors in a simple and manageable form which means as determinants. First it will be shown that the separation of variables method permits to construct the complete set of eigenstates and to describe the spectrum in terms of the solutions of the inhomogeneous version of the Baxter T-Q equation. In the some particular cases (including ASEP) this equation reduces to the usual homogeneous T-Q equation. I'll show finally that the separation of variables leads to single determinant representation for the scalar products and hence for more complicated observable quantities.

Auteur principal: KITANINE, Nikolai (Université de Bourgogne)

Orateur: KITANINE, Nikolai (Université de Bourgogne)