Nested Bethe ansatz for RTT–algebra of sp(4) type

Č. Burdík [1], O. Navrátil [2]

[1] Faculty of Nuclear Sciences and Physical Engineering, CTU,
Trojanova 13, Prague, Czech Republic

[2] Faculty of Transportation Sciences, CTU,
Na Florenci 25, Prague, Czech Republic

Abstract

We show how it is possible to formulate algebraic nested Bethe ansatz for RTT-algebras with the R–matrix of sp(4) type. We give Bethe vectors and Bethe conditions for any hight weight representation of this RTT–algebra.

Keywords: RTT-algebras, nested Bethe ansatz