

On the recurrence relations for the Bethe vectors.

Different type recurrence relations for the off-shell Bethe vectors in the rational quantum integrable models are discussed. The off-shell Bethe vectors in the $\mathfrak{gl}(N)$ - and $\mathfrak{o}(2n+1)$ -invariant integrable models are considered. It is demonstrated that the recurrence relations for these Bethe vectors are based on the different hierarchical embedding of the smaller monodromy matrices into the bigger one.

Orateur: PAKULIAK, Stanislav