

Zeitschrift: L'Enseignement Mathématique
Herausgeber: Commission Internationale de l'Enseignement Mathématique
Band: 36 (1990)
Heft: 1-2: L'ENSEIGNEMENT MATHÉMATIQUE

Artikel: YANGIANS AND R-MATRICES
Autor: Chari, Vyjayanthi / Pressley, Andrew

Bibliographie

DOI: <https://doi.org/10.5169/seals-57909>

Nutzungsbedingungen

Die ETH-Bibliothek ist die Anbieterin der digitalisierten Zeitschriften. Sie besitzt keine Urheberrechte an den Zeitschriften und ist nicht verantwortlich für deren Inhalte. Die Rechte liegen in der Regel bei den Herausgebern beziehungsweise den externen Rechteinhabern. Siehe Rechtliche Hinweise.

Conditions d'utilisation

L'ETH Library est le fournisseur des revues numérisées. Elle ne détient aucun droit d'auteur sur les revues et n'est pas responsable de leur contenu. En règle générale, les droits sont détenus par les éditeurs ou les détenteurs de droits externes. Voir Informations légales.

Terms of use

The ETH Library is the provider of the digitised journals. It does not own any copyrights to the journals and is not responsible for their content. The rights usually lie with the publishers or the external rights holders. See Legal notice.

Download PDF: 31.03.2025

ETH-Bibliothek Zürich, E-Periodica, <https://www.e-periodica.ch>

REFERENCES

- [1] CHARI, V. and A. N. PRESSLEY. New unitary representations of loop groups. *Math. Ann.* 275 (1986), 87-104.
- [2] CHARI, V. and A. N. PRESSLEY. A new family of irreducible, integrable representations of loop groups, *Math. Ann.* 277 (1987), 543-562.
- [3] CHARI, V. and A. N. PRESSLEY. Fundamental representations of Yangians and rational R -matrices. To appear in *Journal für reine und angewandte Mathematik*.
- [4] DRINFEL'D, V. G. Hopf algebras and the quantum Yang-Baxter equation. *Dokl. Akad. Nauk. SSSR* 283 (1985) (Russian) = *Soviet Math. Dokl.* 32 (1985), 254-258.
- [5] —— A new realization of Yangians and quantized affine algebras. *Dokl. Akad. Nauk. SSSR* 296 (1987) (Russian) = *Soviet Math. Dokl.* 36 (1988), 212-216.
- [6] FADDEEV, L. D. Quantum completely integrable models in field theory. Soviet Scientific Reviews, Section C 1 (1980), 107-155, Harwood Academic Publishers, Chur/New York.
- [7] KIRILLOV, A. N. and N. YU RESHETIKHIN. Yangians and Bethe ansatz. *Lett. Math. Phys.* 12 (1986), 199-208.
- [8] KOREPIN, V. E. The analysis of the bilinear relation of the six-vertex model. *Dokl. Akad. Nauk. SSSR* 265 (1982), 1361-1364 (Russian) = *Soviet Phys. Dokl.* 27 (1982), 612-613.
- [9] KULISH, P. P. YU RESHETIKHIN and E. K. SKLYANIN. Yang-Baxter equation and representation theory I. *Lett. Math. Phys.* 5 (1981), 393-403.
- [10] OGIEVETSKY, E. and P. WIEGMANN. Factorized S-matrix and the Bethe ansatz for simple Lie groups. *Phys. Lett.* 168B (1986), 360-36.
- [11] OGIEVETSKY, N. YU. RESHETIKHIN and P. WIEGMANN. The principal chiral field in two dimensions on classical Lie algebras: The Bethe-ansatz solution and factorized theory of scattering. *Nucl. Phys.* B280 (1987), 45-96.
- [12] TARASOV, V. O. On the structure of quantum L -operators for the R-matrix of the XXZ-model, *Theoret. Mat. Fiz.* 61 (1984), 163-173 (Russian) = *Theoret. Math. Phys.* 61 (1984).
- [13] —— Irreducible monodromy matrices for the R-matrix of the XXZ-model and lattice local quantum Hamiltonians. *Theoret. Mat. Fiz.* 63 (1985), 175-196 (Russian) = *Theoret. Math. Phys.* 63 (1985).

(Reçu le 9 novembre 1989)

Vyjayanthi Chari

School of Mathematics
Tata Institute of Fundamental Research
Homi Bhabha Road
Bombay 400 005, India

Andrew Pressley

Department of Mathematics
King's College, Strand
London WC2R 2LS
England U.K.