

PAPERS

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Published/Accepted.

- (1) H. Watanabe, Crystal bases of modified q -quantum groups of certain quasi-split types, to appear in Alg. Repr.
- (2) H. Watanabe, Stability of q -canonical bases of irreducible finite type of real rank one, Represent. Theory 27 (2023), 1–29.
- (3) H. Watanabe, Based modules over the q -quantum group of type AI, Math. Z. 303 (2023), no. 2, Paper No. 43, 73 pp.
- (4) H. Watanabe and K. Yamamura, Alcove paths and Gelfand-Tsetlin patterns, Ann. Comb. 25 (2021), no. 3, 645–676.
- (5) H. Watanabe, Classical weight modules over q -quantum groups, J. Algebra 578 (2021), 241–302.
- (6) H. Watanabe, Global crystal bases for integrable modules over a quantum symmetric pair of type AIII, Represent. Theory 25 (2021), 27–66.
- (7) H. Bao, W. Wang, and H. Watanabe, Canonical bases for tensor products and super Kazhdan-Lusztig theory, J. Pure Appl. Algebra 224 (2020), no. 8, 106347, 9 pp.
- (8) Z. Fan, C. Lai, Y. Li, L. Luo, W. Wang, and H. Watanabe, Quantum Schur duality of affine type C with three parameters, Math. Res. Lett. 27 (2020), no. 1, 79–114.
- (9) H. Watanabe, Crystal basis theory for a quantum symmetric pair $(\mathbf{U}, \mathbf{U}^j)$, Int. Math. Res. Not. IMRN 2020, no. 22, 8292–8352.
- (10) H. Bao, W. Wang, and H. Watanabe, Multiparameter quantum Schur duality of type B, Proc. Amer. Math. Soc. 146 (2018), 3203–3216.
- (11) S. Naito and H. Watanabe, A combinatorial formula expressing periodic R -polynomials, J. Combin. Theory Ser. A 148 (2017), 197–243.

Preprints.

- (1) H. Kusano, M. Okado, and H. Watanabe, Kirillov-Reshetikhin modules and quantum K -matrices, arXiv:2209.10325.
- (2) H. Watanabe, A new tableau model for irreducible polynomial representations of the orthogonal group, arXiv:2107.00170.

Date: April 21, 2023.