

## Vidas Regelskis

### Publikacijų sąrašas

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### WoS Mokslinės Publikacijos (Autoriai išvardinti alfabetine tvarka)

1. V.R., *Algebraic Bethe Ansatz for spinor R-matrices*, Accepted to SciPost Physics, 37pp.
2. V.R. and V. Vlaar, *Pseudo-symmetric pairs for Kac-Moody algebras*, Accepted to AMS Contemporary Mathematics: Hypergeometry, Integrability and Lie Theory, In honor of Jasper Stokman., 42pp.
3. A. Gerrard and V.R., *Nested algebraic Bethe ansatz for deformed orthogonal and symplectic spin chains*, Nucl. Phys. B 956 (2020), 115021, 30pp.
4. A. Gerrard and V.R., *Nested algebraic Bethe ansatz for orthogonal and symplectic open spin chains*, Nucl. Phys. B 952 (2020), 114909, 67pp.
5. V.R. and B. Vlaar, *Quasitriangular coideal subalgebras of  $U_q(\mathfrak{g})$  in terms of generalized Satake diagrams*, Bull. of the Lond. Math. Soc. 52 (2020), 693-715, 23pp.
6. N. Guay, V.R. and C. Wendlandt, *Vertex representations for Yangians of Kac-Moody algebras*, J. Éc. polytech. Math. 6 (2019), 665-706, 42pp.
7. A. Gerrard, N. MacKay and V.R., *Nested algebraic Bethe ansatz for open spin chains with even twisted Yangian symmetry*, Ann. Henri Poincaré 20 (2019), 339-392, 54pp.
8. N. Guay, V.R. and C. Wendlandt, *Representations of twisted Yangians of types B, C, D: II*, Trans. Groups 24 (2019), 1015-1066, 52pp.
9. N. Guay, V.R. and C. Wendlandt, *Equivalences between three presentations of orthogonal and symplectic Yangians*, Lett. Math. Phys., 109 (2019), 327-379, 53pp.
10. V.R. and B. Vlaar, *Solutions of the  $U_q(\mathfrak{sl}_N)$  reflection equations*, J. Phys. A 51 (2018), 345204, 41pp.
11. S. Belliard and V.R., *Drinfeld J presentation of twisted Yangians*, SIGMA 13 (2017), 011, 35pp.
12. A. De La Rosa Gomez, N. MacKay and V.R., *How to fold a spin chain: Integrable boundaries of the Heisenberg XXX and Inozemtsev hyperbolic models*, Phys. Lett. A 381 (2017), 1340-1348, 9pp.
13. N. Guay, V.R. and C. Wendlandt, *Representations of twisted Yangians of types B, C, D: I*, Sel. Math. New Ser. 23 (2017), 2071-2156, 86pp.
14. N. Guay, V.R. and C. Wendlandt, *Twisted Yangians of small rank*, J. Math. Phys. 57 (2016), 041703, 28pp.
15. M. de Leeuw and V.R., *An algebraic approach to the Hubbard model*, Phys. Lett. A. 380 (2016), 645-653, 9pp.
16. V.R., *Yangian of  $AdS_3/CFT_2$  and its deformation*, J. Phys. Geom. 106 (2016), 213-233, 21pp.
17. N. Guay and V.R., *Twisted Yangians for symmetric pairs of types B, C, D*, Math. Z. 284 (2016), 131-166, 36pp.
18. A. Prinsloo, V.R. and A. Torrielli, *Integrable open spin-chains in  $AdS_3/CFT_2$* , Phys. Rev. D 92 (2015), 106006, 41pp.
19. A. Babichenko and V.R., *On boundary fusion and functional relations in the Baxterized affine Hecke algebra*, J. Math. Phys. 55 (2014), 043503, 31pp.
20. M. de Leeuw and V.R., *Integrable boundaries in  $AdS/CFT$ : revisiting the  $Z=0$  giant graviton and  $D7$ -brane*, JHEP 03 (2013), 030, 36pp.
21. D. Jurčiukonis, S. Norvaišas and V.R., *The spectrum of the baryon masses in a selfconsistent  $SU(3)$  quantum Skyrme model*, Phys. Scr. 02 (2013), 025101, 7pp.

22. M. de Leeuw, T. Matsumoto, S. Moriyama, V.R. and A. Torrielli, *Secret symmetries in AdS/CFT*, Phys. Scr. 86 (2012) 028502, 10pp.
23. M. de Leeuw, V.R. and A. Torrielli, *The Quantum affine origin of the AdS/CFT secret symmetry*, J. Phys. A 45 (2012), 175202, 20pp.
24. M. de Leeuw, V.R. and T. Matsumoto, *Coideal quantum affine algebra and boundary scattering of the deformed Hubbard chain*, J. Phys. A 45 (2012), 065205, 19pp.
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26. V.R., *The Secret Symmetries of the AdS/CFT reflection matrices*, JHEP 1108 (2011), 006, 9pp.
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28. D. H. Correa, V.R. and C. A. S. Young, *Integrable achiral D5-brane reflections and asymptotic Bethe equations*, J. Phys. A 44 (2011), 325403, 22pp.
29. N. MacKay and V.R., *Reflection algebra, Yangian symmetry and bound-states in AdS/CFT*, JHEP 1201 (2012), 134, 31pp.
30. N. MacKay and V.R., *Yangian symmetry of the  $Y=0$  maximal giant graviton*, JHEP 1012 (2010), 076, 17pp.
31. N. MacKay and V.R., *On the reflection of magnon bound states*, JHEP 1008 (2010), 055, 35pp.
32. S. Norvaišas and V.R., *Canonically quantized soliton in the bound state approach to heavy baryons in the Skyrme model*, Lith. J. Phys. 49 (2009), 7–17, 11pp.