Leonid Petrov. Publication List

Preprints (*), accepted, or published works

- [35] (*) (with Mikhail Tikhonov) Parameter symmetry in perturbed GUE corners process and reflected drifted Brownian motions, arXiv:1912.08671 [math.PR]. PDF link
- [34] (*) Parameter permutation symmetry in particle systems and random polymers, arXiv:1912.06067 [math.PR]. PDF link
- [33] (*) PushTASEP in inhomogeneous space, arXiv:1910.08994 [math.PR]. Submitted. PDF link
- [32] (*) (with Axel Saenz) Mapping TASEP back in time, arXiv:1907.09155 [math.PR]. Submitted. PDF link
- [31] (with Alexey Bufetov and Matteo Mucciconi) *Yang-Baxter random fields and stochastic vertex models*, arXiv:1905.06815 [math.PR]. **Adv. Math.**, to appear. PDF link
- [30] (with Ivan Corwin and Konstantin Matveev) *The q-Hahn PushTASEP*, arXiv:1811.06475 [math.PR]. **Intern. Math. Research Notices** (2019), rnz106. PDF link
- [29] (with Alisa Knizel and Axel Saenz) Generalizations of TASEP in discrete and continuous inhomogeneous space, Commun. Math. Phys. Commun. Math. Phys. 372 (2019), no. 3, pp 797–864. https://link.springer.com/article/10.1007%2Fs00220-019-03495-4. arXiv:1808.09855 [math.PR]. PDF link
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- [27] (with Alexey Bufetov) Yang-Baxter field for spin Hall-Littlewood symmetric functions, arXiv:1712.04584 [math.PR]. Forum of Mathematics Sigma, 7 (2019), e39. PDF link
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- [23] (with Daniel Orr) *Stochastic higher spin six vertex model and q-TASEPs*, **Adv. Math.** 317 (2017), 473-525, arXiv:1610.10080 [math.PR]. PDF link

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- [21] (with Alexei Borodin) *Lectures on Integrable probability: Stochastic vertex models and symmetric functions* (2016), arXiv:1605.01349 [math.PR]. **Lecture Notes of the Les Houches Summer School**, Volume 104, July 2015. PDF link
- [20] (with Alexei Borodin) *Higher spin six vertex model and symmetric rational functions* (2016), **Selecta Math.** 24 (2018), no. 2, 751–874, arXiv:1601.05770 [math.PR]. PDF link
- [19] (with Konstantin Matveev) *q-randomized Robinson—Schensted—Knuth correspondences and random polymers* (2015), **Annales de l'Institut Henri Poincaré D: Combinatorics, Physics and their Interactions** 4 (2017), no. 1, 1-123, arXiv:1504.00666 [math.PR]. PDF link
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