Leonid Petrov. Publication List

Preprints (*), accepted, or published works

- [32] (*) (with Axel Saenz) Mapping TASEP back in time, arXiv:1907.09155 [math.PR]. PDF link
- [31] (*) (with Alexey Bufetov and Matteo Mucciconi) *Yang-Baxter random fields and stochastic vertex models*, arXiv:1905.06815 [math.PR]. Submitted. PDF link
- [30] (with Ivan Corwin and Konstantin Matveev) *The q-Hahn PushTASEP*, arXiv:1811.06475 [math.PR]. **Intern. Math. Research Notices**, to appear. PDF link
- [29] (with Alisa Knizel and Axel Saenz-Rodriguez) Generalizations of TASEP in discrete and continuous inhomogeneous space, Commun. Math. Phys. (2019), online, https://link.springer.com/article/10.1007%2Fs00220-019-03495-4. arXiv:1808.09855 [math.PR]. PDF link
- [28] (with Christian Gromoll, Mark Meckes) *Quenched Central Limit Theorem in a Corner Growth Setting*, **Electron. Comm. Probab.** 23 (2018) paper no. 101, 12pp, arXiv:1804.04222 [math.PR]. PDF link
- [27] (*) (with Alexey Bufetov) Yang-Baxter field for spin Hall-Littlewood symmetric functions, arXiv:1712.04584 [math.PR]. Submitted. PDF link
- [26] (with Michael Damron and David Sivakoff) Coarsening model on Z^d with biased zero-energy flips and an exponential large deviation bound for ASEP, Comm. Math. Phys. 362 (2018) no. 1, 185–217, arXiv:1708.05806 [math.PR].
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- [25] (with Sevak Mkrtchyan) *GUE corners limit of q-distributed lozenge tilings,* **Electron. J. Probab.** 22 (2017), paper no. 101, 24 pp, arXiv:1703.07503 [math.PR]. PDF link
- [24] (with Alexei Borodin) *Inhomogeneous exponential jump model*, **Probab. Th. Rel. Fields.** 172 (2018), 323-385, arXiv:1703.03857 [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

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- [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
- [18] (with Ivan Corwin) *Stochastic higher spin vertex models on the line*, **Comm. Math. Phys.** 343 (2016), no. 2, 651–700, DOI: 10.1007/s00220-015-2479-5, arXiv:1502.07374 [math.PR]. PDF link
- [17] (with Alexei Borodin, Ivan Corwin, and Tomohiro Sasamoto) *Spectral theory for interacting particle systems solvable by coordinate Bethe ansatz*, **Comm. Math. Phys.** 339 (2015), no. 3, 1167–1245, DOI: 10.1007/s00220-015-2424-7, arXiv:1407.8534 [math-ph]. PDF link
- [16] (with Alexey Bufetov) Law of Large Numbers for Infinite Random Matrices over a Finite Field, Selecta Math. 21 (2015), no. 4, 1271–1338, arXiv:1402.1772 [math.PR]. PDF link
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