Leonid Petrov. Publication List

Preprints (*), accepted, or published works

- [36] (*) (with Matteo Mucciconi) Spin q-Whittaker polynomials and deformed quantum Toda, arXiv:2003.14260 [math.PR]. PDF link
- [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
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- [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
- [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
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Contributing works

[1] Sihan Li, Andrew Mecca, Jeewoo Kim, Giusy Caprara, Elizabeth Wagner, Ting-Ting Du, Leonid Petrov, Wenhao Xu, Runjia Cui, Ivan Rebustini, Bechara Kachar, Anthony Peng, and Jung-Bum Shin, Myosin-VIIa is expressed in multiple isoforms and essential for tensioning the hair cell mechanotransduction complex. To appear in Nature Communications.