Leonid Petrov. Publication List

Preprints (*), accepted, or published works

- [41] (*) Axel Saenz, Leonid Petrov. Rewriting History in Integrable Stochastic Particle Systems, arXiv:2212.????? [math.PR]. (PDF link)
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- [38] (*) Amol Aggarwal, Alexei Borodin, Leonid Petrov, Michael Wheeler. Free Fermion Six Vertex Model: Symmetric Functions and Random Domino Tilings, arXiv:2109.06718 [math.PR]. (PDF link)
- [37] Leonid Petrov. Refined Cauchy identity for spin Hall-Littlewood symmetric rational functions, Journal of Combinatorial Theory Ser. A, vol. 184 (2021), 105519. arXiv:2007.10886 [math.CO]. (PDF link)
- [36] Matteo Mucciconi, Leonid Petrov. Spin q-Whittaker polynomials and deformed quantum Toda, Communications in Mathematical Physics, 389, pages 1331-1416 (2022). arXiv:2003.14260 [math.PR]. (PDF link)
- [35] Leonid Petrov, Mikhail Tikhonov. *Parameter symmetry in perturbed GUE corners process and reflected drifted Brownian motions*, Journal of Statistical Physics, 181 (2020), 1996-2010. arXiv:1912.08671 [math.PR]. (PDF link)
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- [24] Alexei Borodin, Leonid Petrov. *Inhomogeneous exponential jump model*, Probability Theory and Related Fields 172 (2018), 323-385. arXiv:1703.03857 [math.PR]. (PDF link)
- [23] Daniel Orr, Leonid Petrov. *Stochastic higher spin six vertex model and q-TASEPs*, Advances in Mathematics 317 (2017), 473-525. arXiv:1610.10080 [math.PR]. (PDF link)
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Other 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*. Nature Communications, 11, Article number: 2066 (2020). https://www.nature.com/articles/s41467-020-15936-z.