## Leonid Petrov. Publication List

## Preprints (\*), accepted, or published works

- [42] (\*) Leonid Petrov, Mikhail Tikhonov. *Asymptotics of noncolliding q-exchangeable random walks*, arXiv:2303.02380 [math.PR]. (PDF link). 34 pages.
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- [39] (\*) Matthew Nicoletti, Leonid Petrov. *Irreversible Markov Dynamics and Hydrodynamics for KPZ States in the Stochastic Six Vertex Model*, arXiv:2201.12497 [math.PR]. (PDF link). 59 pages.
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- [29] Alisa Knizel, Leonid Petrov, Axel Saenz. *Generalizations of TASEP in discrete and continuous inhomogeneous space*, Communications in Mathematical Physics 372 (2019), no. 3, pp 797-864. arXiv:1808.09855 [math.PR]. (PDF link). 68 pages.
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- [27] Alexey Bufetov, Leonid Petrov. Yang-Baxter field for spin Hall-Littlewood symmetric functions, Forum of Mathematics Sigma 7 (2019), e39. arXiv:1712.04584 [math.PR]. (PDF link). 70 pages.
- [26] Michael Damron, Leonid Petrov, David Sivakoff. Coarsening model on Zd with biased zero-energy flips and an exponential large deviation bound for ASEP, Communications in Mathematical Physics 362 (2018), no. 1, 185-217. arXiv:1708.05806 [math.PR]. (PDF link). 33 pages.
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- [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). 53 pages.
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- [5] Leonid Petrov. Random Strict Partitions and Determinantal Point Processes, Electronic Communications in Probability 15 (2010), 162-175. arXiv:1002.2714 [math.PR]. (PDF link). 14 pages.
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- [2] Leonid Petrov. *A Two-parameter Family of Infinite-dimensional Diffusions in the Kingman Simplex*, Functional Analysis and Its Applications 43 (2009), no. 4, 279-296. arXiv:0708.1930 [math.PR]. (PDF link). 18 pages.
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## Other works

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