Leonid Petrov. Publication List

Preprints (*), accepted, or published works

- [43] (*) Leonid Petrov, Svetlana Gavrilova. *Tilted biorthogonal ensembles, Grothendieck random partitions, and determinantal tests*, arXiv:2305.17747 [math.PR]. (PDF link). 47 pages.
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- [30] Ivan Corwin, Konstantin Matveev, Leonid Petrov. *The q-Hahn PushTASEP*, International Mathematics Research Notices (2019), rnz106. arXiv:1811.06475 [math.PR]. (PDF link). 40 pages.
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Errata

- [18] Ivan Corwin, Leonid Petrov. *Correction to "Stochastic higher spin vertex models on the line"*, Commun. Math. Phys. 371, 353–355 (2019). (PDF link). 3 pages.
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- [6] Asymptotic Representation Theory, graduate topics course at University of Virginia, Fall 2022. Course webpage with lecture notes. (PDF link).
- [5] Particle systems, graduate topics course at University of Virginia, Spring 2021. Lecture notes in Obsidian format on github. (PDF link).
- [4] Random matrices, graduate topics course at University of Virginia, Fall 2019. Course webpage with lecture notes. (PDF link).
- [3] Random matrices, graduate topics course at University of Virginia, Spring 2016. Lecture notes on github. (PDF link).

- [2] Topics in Probability, graduate topics course at Northeastern University, Fall 2012. Lecture notes at AMS Open Notes. (PDF link).
- [1] Course notes "Asymptotic representation theory", taught by G. Olshanski at the Independent University of Moscow, Fall 2009 and Spring 2010 (in Russian). Webpage with notes. (PDF link).

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). (PDF link). 15 pages.