

PUBLICATION LIST

Mei Yin

mei.yin@du.edu

<http://cs.du.edu/~meiyin>

Department of Mathematics, University of Denver

- [37] Harris, P.E., Ribeiro, R., and **Yin, M.** (2025). Probabilistic (m, n) -parking functions. *Submitted*. arXiv: 2502.00269
- [36] Rubey, M. and **Yin, M.** (2025). Fixed points and cycles of parking functions. *Enumer. Combin. Appl.* 5: 2 Article #S2R10
- [35] Buchanan, C., Clifton, A., Culver, E., Frankl, P., Nie, J., Ozeki, K., Rombach, P., and **Yin, M.** (2024). On odd covers of cliques and disjoint unions. *Submitted*. arXiv: 2408.08598
- [34] Grinberg, D., Roby, T., Wagner, S., and **Yin, M.** (2024). Monomial identities in the Weyl algebra. *Submitted*. arXiv: 2405.20492
- [33] Wagner, S. and **Yin, M.** (2024). Statistics of parking functions and labeled forests. Extended abstract in Proceedings of the 35th International Conference on Probabilistic, Combinatorial and Asymptotic Methods for the Analysis of Algorithms.
- [32] Egecioglu, O., Gaiser, C., and **Yin, M.** (2023). Enumerating pattern-avoiding permutations by leading terms. *To appear in J. Comb.* arXiv: 2309.15964
- [31] Mann, J.T., You, Z., and **Yin, M.** (advisor) (2023). Asymptotic behavior of random defective parking functions. *DUURJ.* 4: 10-18
- [30] Stanley, R.P. and **Yin, M.** (2023). Some enumerative properties of parking functions. *Submitted*. arXiv: 2306.08681
- [29] Black, A.E., Liu, K., McDonough, A., Nelson, G., Wigal, M.C., **Yin, M.**, and Yoo, Y. (2023). Sampling planar tanglegrams and pairs of disjoint triangulations. *Adv. Appl. Math.* 149: 102550
- [28] Kenyon, R. and **Yin, M.** (2023). Parking functions: From combinatorics to probability. *Methodol. Comput. Appl. Probab.* 25: 32
- [27] Campion Loth, J., Levet, M., Liu, K., Sundaram, S., and **Yin, M.** (2023). Moments of colored permutation statistics on conjugacy classes. Extended abstract in Proceedings of the 36th International Conference on Formal Power Series and Algebraic Combinatorics. Full-length version *to appear in Ann. Comb.* arXiv: 2305.11800
- [26] Durmić, I., Han, A., Harris, P.E., Ribeiro, R., and **Yin, M.** (2023). Probabilistic parking functions. *Electron. J. Combin.* 30: Research Paper 3.18, 25 pp.
- [25] Buchanan, C., Clifton, A., Culver, E., Nie, J., O'Neill, J., Rombach, P., and **Yin, M.** (2023). Odd covers of graphs. *J. Graph Theory* 104: 420-439
- [24] Hanely, D., Martin, J.L., McGinnis, D., Miyata, D., Nasr, G.D., Vindas-Meléndez, A.R., and **Yin, M.** (2023). Ehrhart theory of paving and panhandle matroids. *Adv. Geom.* 23: 501-526
- [23] **Yin, M.** (2022). Remarks on power-law random graphs. *Stochastic Process. Appl.* 153: 183-197

- [22] **Yin, M.** (2023). Parking functions, multi-shuffle, and asymptotic phenomena. Extended abstract in Proceedings of the 33rd International Conference on Probabilistic, Combinatorial and Asymptotic Methods for the Analysis of Algorithms. Full-length version in *La Mat.* 2: 258-282
- [21] **Yin, M.** (2023). Parking functions: Interdisciplinary connections. *Adv. in Appl. Probab.* 55: 768-792
- [20] Colaric, E., DeMuse, R., Martin, J.L., and **Yin, M.** (2021). Interval parking functions. *Adv. Appl. Math.* 123: 102129
- [19] DeMuse, R. and **Yin, M.** (2021). Dimension reduction in vertex-weighted exponential random graphs. *Phys. A.* 561: 125289
- [18] DeMuse, R. and **Yin, M.** (2020). Perspectives on exponential random graphs. *Invited by Contemp. Math.* 741: 59-81
- [17] DeMuse, R., Easlick, T., and **Yin, M.** (2019). Mixing time of vertex-weighted exponential random graphs. *J. Comput. Appl. Math.* 362: 443-459
- [16] DeMuse, R., Larcomb, D., and **Yin, M.** (2018). Phase transitions in edge-weighted exponential random graphs: near degeneracy and universality. *J. Stat. Phys.* 171: 127-144
- [15] Mavi, R. and **Yin, M.** (2018). Ground states for exponential random graphs. *J. Math. Phys.* 59: 013303
- [14] **Yin, M.** and Zhu, L. (2017). Asymptotics for sparse exponential random graph models. *Braz. J. Probab. Stat.* 31: 394-412
- [13] **Yin, M.** (2017). Statistical physics of exponential random graphs. *Oberwolfach Rep.* 8: 32-34
- [12] Kenyon, R. and **Yin, M.** (2017). On the asymptotics of constrained exponential random graphs. *J. Appl. Probab.* 54: 165-180
- [11] **Yin, M.**, Rinaldo, A., and Fadnavis, S. (2016). Asymptotic quantization of exponential random graphs. *Ann. Appl. Probab.* 26: 3251-3285
- [10] **Yin, M.** (2016). A detailed investigation into near degenerate exponential random graphs. *J. Stat. Phys.* 164: 241-253
- [9] **Yin, M.** and Zhu, L. (2016). Reciprocity in directed networks. *Phys. A.* 447: 71-84
- [8] **Yin, M.** (2015). Large deviations and exact asymptotics for constrained exponential random graphs. *Electron. Commun. Probab.* 20: 56, 1-14
- [7] **Yin, M.** (2013). Critical phenomena in exponential random graphs. *J. Stat. Phys.* 153: 1008-1021
- [6] Radin, C. and **Yin, M.** (2013). Phase transitions in exponential random graphs. *Ann. Appl. Probab.* 23: 2458-2471
- [5] **Yin, M.** (2013). A Markov chain approach to renormalization group transformations. *Phys. A.* 392: 1347-1354
- [4] **Yin, M.** (2012). A cluster expansion approach to exponential random graph models. *J. Stat. Mech. Theory Exp.* P05004
- [3] **Yin, M.** (2011). Renormalization group transformations near the critical point: some rigorous results. *J. Math. Phys.* 52: 113507

[2] **Yin, M.** (2011). A cluster expansion approach to renormalization group transformations. *J. Math. Phys.* 52: 033502

[1] **Yin, M.** (2011). Spectral properties of the renormalization group at infinite temperature. *Commun. Math. Phys.* 304: 175-186