List of publications by Gideon Amir

Publications

1. G. Amir and B. Virag: *Positive speed for high-degree automaton groups* Groups, Geometry, and Dynamics Volume 8, Issue 1, 2014, pp. 2338 (arxiv:1102.4979).

2. G. Amir, O. Angel and B. Virag: *Amenability of linear-activity automaton groups.* Journal of the European Mathematical Society, Volume 15, Issue 3, 2013, pp. 705-730 (arxiv:0905.2007)

3. G. Amir, I. Corwin and J. Quastel: *Probability Distribution of the Free Energy of the Continuum Directed Random Polymer in 1+1 dimensions.* Communications in Pure and Applied Math , Vol 64: 466-537, 2011. (arxiv:1003.0443)

4. G. Amir, O. Angel and B. Valko: *The TASEP speed process.* Annals of Probability 2011, Vol. 39, No. 4, 1205-1242. (arxiv:0811.3706) ().

5. G. Amir, O. Gurel-Gurevich, E. Lubetzky and A. Singer: *Giant components in biased graph processes.* Indiana University Mathematics Journal 12/2010; 59(6):1893-1930. (arxiv:0511526)

6. G. Amir and O. Gurel Gurevich: *On Fixation of Activated Random Walks* Electronic Communications in Probability, Vol. 15 (2010) 119-123. (arxiv:0910.3730)

7. G. Amir and O. Gurel-Gurevich: *The diameter of random cayley graphs on Z_q.* "Groups – Complexity – Cryptology", Vol. 2 (2010) no. 1, 59-66. (arxiv:0609620).

8. G. Amir and C. Hoffmann: *A special set of exceptional times for dynamical random walk on $\mathbb{Z}^2$.* Electronic Journal of Probability; Vol. 13 (2008) paper 63, pages 1927-1951. (arxiv:0609267).

9. G. Amir, I. Benjamini and G. Kozma: *Excited random walk against a wall.* Probability Theory and Related Fields, Volume 140 1-2, January 2008, p83-102. (arxiv:0509464).

To appear

10. G. Amir, N. Berger and T. Orenshtein: *Zero-One Law for Directional Transience of One Dimensional Excited Random Walks.* To appear in Annales de lInstitut Henri Poincar (arXiv:1304.7287)

Accepted under revision

11. G. Amir, O. Angel, N. Matte Bon and B. Virag: *The Liouville property for groups acting on rooted trees* Accepted under revision to the Annales de lInstitut Henri Poincar. (arXiv:1307.5652)

12. G. Amir, O. Angel, I. Benjamini and G. Kozma: *One-dimensional long-range diffusion-limited aggregation I.* Accepted under revision to the Annals of Probability (arxiv:0910.4416).

Preprints

13. G. Amir and T. Orenshtein: *Excited Mob* (1307.6052)

14. G. Amir, O. Angel and G. Kozma: *One-dimensional long-range diffusion-limited aggregation II: the transient case.* (arxiv:1306.4654).

15. G. Amir and B. Virag: *Speed exponents of random walks on groups* Submitted to Journal of the American Mathematical Society (1203.6226)

16. G. Amir: *One-dimensional long-range diffusion-limited aggregation III - The limit aggregate .* (arxiv:0911.0122).

17. G. Amir and E. Lubetzky: *On two biased graph processes.* (arxiv:0608097).

Non - mathematical paper:

18. G. Amir and R. Axelrod: *Architecture and Techniques for an MMORTS.*
    Massively Multiplayer Game Development 2 (Charles River Media, 2005)