

Publication List: Lionel Levine

- submitted 1. David Jerison, Lionel Levine and Scott Sheffield, *Logarithmic fluctuations for internal DLA*. [arXiv:1010.2483](#)
2. Tobias Friedrich and Lionel Levine, *Fast simulation of large-scale growth models*. [arXiv:1006.1003](#)
3. Christopher J. Hillar, Lionel Levine and Darren Rhea, *Equations solvable by radicals in a uniquely divisible group*. [arXiv:1004.5239](#)
- 2011 4. Lionel Levine, *Sandpile groups and spanning trees of directed line graphs*. *Journal of Combinatorial Theory A* **118** (2011) 350–364. [arXiv:0906.2809](#)
- 2010 5. Lionel Levine and James Propp, *What is a sandpile?* *Notices of the American Mathematical Society* **57** (2010), 976–979.
6. Wouter Kager and Lionel Levine, *Rotor-router aggregation on the layered square lattice*. *Electronic Journal of Combinatorics* (2010) 17: R152. [arXiv:1003.4017](#)
7. Wouter Kager and Lionel Levine, *Diamond aggregation*. *Mathematical Proceedings of the Cambridge Philosophical Society* **149** (2010), 351–372. [arXiv:0905.1361](#)
8. Lionel Levine, *Parallel chip-firing on the complete graph: devil’s staircase and Poincaré rotation number*. *Ergodic Theory and Dynamical Systems*, to appear. [arXiv:0811.2800](#)
9. Lionel Levine and Yuval Peres, *Scaling limits for internal aggregation models with multiple sources*. *Journal d’Analyse Mathématique*, **111** (2010), 151–219. [arXiv:0712.3378](#)
10. Anne Fey, Lionel Levine and David B. Wilson, *The approach to criticality in sandpiles*. *Physical Review E* **82** (2010), 031121. [arXiv:1001.3401](#)
11. Anne Fey, Lionel Levine and David B. Wilson, *Driving sandpiles to criticality and beyond*. *Physical Review Letters* **104** (2010), 145703. [arXiv:0912.3206](#)
12. Anne Fey, Lionel Levine and Yuval Peres, *Growth rates and explosions in sandpiles*. *Journal of Statistical Physics* **138** (2010), 143–159. [arXiv:0901.3805](#)
- 2009 13. Lionel Levine and Yuval Peres, *Strong spherical asymptotics for rotor-router aggregation and the divisible sandpile*. *Potential Analysis* **30** (2009), 1–27. [arXiv:0704.0688](#)
14. Itamar Landau and Lionel Levine, *The rotor-router model on regular trees*. *Journal of Combinatorial Theory A* **116** (2009), 421–433. [arXiv:0705.1562](#)
15. Lionel Levine, *The sandpile group of a tree*. *European Journal of Combinatorics* **30** (2009), 1026–1035. [arXiv:math/0703868](#)
- 2008 16. Alexander E. Holroyd, Lionel Levine, Karola Meszaros, Yuval Peres, James Propp and David B. Wilson, *Chip-firing and rotor-routing on directed graphs*, in “In and Out of Equilibrium 2,” *Progress in Probability*, vol. 60, 331–364. [arXiv:0801.3306](#)
17. Lionel Levine and Yuval Peres, *Spherical asymptotics for the rotor-router model in \mathbb{Z}^d* . *Indiana University Mathematics Journal* **57**, no. 1, 431–450. [arXiv:math/0503251](#)
- 2007 18. Christopher J. Hillar and Lionel Levine, *Polynomial recurrences and cyclic resultants*. *Proceedings of the American Mathematical Society* **135**, 1607–1618. [arXiv:math/0411414](#)
- 2006 19. Lionel Levine, *Fractal sequences and restricted Nim*. *Ars Combinatoria* **80**, 113–127. [arXiv:math/0409408](#)
- 2005 20. Lionel Levine and Yuval Peres, *The rotor-router shape is spherical*. *Mathematical Intelligencer* **27**, no. 3, 9–11.
- 1999 21. Lionel Levine, *Fermat’s little theorem: a proof by function iteration*. *Mathematics Magazine* **72**, no. 4, 308–309.