

List of Publications

Guy Kindler

Note: *Papers are available at <http://dimacs.rutgers.edu/~gkindler/>*

Note: *All conferences listed below are peer reviewed*

1. **PCP characterizations of NP: towards a polynomially-small error-probability**
Irit Dinur, Eldar Fischer, Guy Kindler, Ran Raz, and Shmuel Safra.
Conference: *The 31st Annual ACM Symposium on Theory of Computing (STOC), 1999.*
Journal: Submitted. (Was invited to the FOCS 1998 special issue journal.)
2. **An Improved Lower Bound for Approximating CVP**
Irit Dinur, Guy Kindler, Ran Raz and Shmuel Safra.
Conference: An earlier version of the paper, without the third author (Ran Raz), appeared in *The 39th Annual Symposium on Foundations of Computer Science (FOCS), 1998.*
Journal: *Combinatorica*, 23(2), pp. 205-243, 2003.
3. **Testing Juntas**
Eldar Fischer, Guy Kindler, Dana Ron, Shmuel Safra, and Alex Samorodnitsky.
Conference: *The 43rd Annual Symposium on Foundations of Computer Science (FOCS), 2002.*
Journal: *Journal of Computer and System Sciences*, 68(4), pp. 753-787, 2004. (Invited paper).
4. **On distributions computable by random walks on graphs**
Guy Kindler and Dan Romik.
Conference: *The Fifteenth ACM-SIAM Symposium on Discrete Algorithms (SODA), 2004.*
Journal: *SIAM Journal on Discrete Mathematics*, vol. 17, pp. 624-633, 2004. (Was also invited to a special issue of ACM Transactions on Algorithms.)
5. **Optimal inapproximability results for MAX-CUT and other 2-variable CSPs?**
Subhash Khot, Guy Kindler, Elchanan Mossel, and Ryan O'Donnell.
Conference: *The 45th Annual Symposium on Foundations of Computer Science (FOCS), 2004.*
Journal: *SIAM Journal on Computing*, 37(1), pp. 319-357, 2007. (Invited paper.)
6. **Simulating independence: new constructions of condensers, Ramsey graphs, dispersers and extractors**
Boaz Barak, Guy Kindler, Ronen Shaltiel, Benny Sudakov, and Avi Wigderson.
Conference: *Proceedings of the 37th Annual ACM Symposium on Theory of Computing (STOC), 2005.*
7. **On the error parameter of dispersers**
Ronen Gradwohl, Guy Kindler, Omer Reingold, Amnon Ta-Shma.
Conference: *Proceedings of the 9th International Workshop on Randomization and Computation (RANDOM), 2005.*

8. **On Non-Approximability for Quadratic Programs**
Sanjeev Arora, Eli Berger, Elad Hazan, Guy Kindler and Muli Safra.
Conference: *The 46th Annual Symposium on Foundations of Computer Science (FOCS), 2005.*
9. **Hardness of approximating the closest vector problem with pre-processing**
Michael Alekhnovich, Subhash Khot, Guy Kindler, Nisheeth Vishnoi.
Conference: *The 46th Annual Symposium on Foundations of Computer Science (FOCS), 2005.*
10. **Lower Bounds for Noisy Broadcast**
Navin Goyal, Guy Kindler, and Michael Saks.
Conference: *The 46th Annual Symposium on Foundations of Computer Science (FOCS), 2005.*
Journal: Invited and accepted for publication in *SIAM Journal on Computing*.
11. **On the Fourier tails of bounded functions over the discrete cube**
Irit Dinur, Ehud Friedgut, Guy Kindler, and Ryan O'Donnell.
Conference: *ACM Symposium on Theory of Computing (STOC), 2006.*
Journal: To appear in the *Israel Journal of Mathematics*.
12. **Eliminating cycles in the discrete torus**
Be'la Bolloba's, Guy Kindler, Imre Leader and Ryan O'Donnell.
Conference: *LATIN 2006.*
Journal: Invited and accepted for publication in *Algorithmica*.
13. **Understanding parallel repetition requires understanding foams**
Uri Feige, Guy Kindler, and Ryan O'Donnell.
Conference: *Computational Complexity Conference (CCC), 2007.*
14. **The UGC hardness threshold of the L_p Grothendieck problem**
Guy Kindler, Assaf Naor, and Gideon Schechtman.
Conference: *ACM-SIAM symposium on Discrete Algorithms (SODA), 2008.*
Journal: Submitted.
15. **Noise-insensitive Boolean-Functions are Juntas**
Guy Kindler and Shmuel Safra.
Manuscript.