

Refereed Publications

- [1] M. E. Cryan, M. E. Dyer and D. Randall, “Approximately counting integral flows and cell-bounded contingency tables”, *SIAM Journal on Computing* **39**, 2683-2703, 2010.
- [2] M. E. Dyer, L. A. Goldberg, M. Jalsenius and D. Richerby, “The complexity of approximating bounded-degree Boolean #CSP”, *Proc. 27th International Symposium on Theoretical Aspects of Computer Science*, pp. 323-334, 2010.
- [3] M. E. Dyer, L. A. Goldberg and M. R. Jerrum, “An approximation trichotomy for Boolean #CSP”, *Journal of Computer and System Sciences* **76**, 267-277, 2010.
- [4] M. E. Dyer and A. M. Frieze, “Randomly coloring random graphs”, *Random Structures and Algorithms* **36**, 36, 2010.
- [5] M. E. Dyer, L. A. Goldberg and M. R. Jerrum, “Matrix norms and rapid mixing of spin systems”, *The Annals of Applied Probability* **19**, 71-107, 2009.
- [6] C. D. Cooper, M. E. Dyer and A. J. Handley, “The flip Markov chain and a randomising P2P protocol”, *Proc. 28th Annual ACM Symposium on Principles of Distributed Computing*, pp. 141–150, 2009.
- [7] M. E. Dyer, L. A. Goldberg and M. R. Jerrum, “The complexity of weighted Boolean #CSP”, *SIAM Journal on Computing* **38**, 1970–1986, 2009.
- [8] A. A. Bulatov, M. E. Dyer, L. A. Goldberg, M. Jalsenius and D. Richerby, “The complexity of weighted Boolean #CSP with mixed signs”, *Theoretical Computer Science* **410**, 3949–3961, 2009.
- [9] M. E. Dyer, L. A. Goldberg and M. R. Jerrum, “Dobrushin conditions and systematic scan”, *Combinatorics, Probability and Computing* **17**, 761–779 2008.
- [10] M. Bordewich, M. E. Dyer and M. Karpinski, “Path coupling using stopping times and counting independent sets and colorings in hypergraphs”, *Random Structures and Algorithms* **32**, 375–399, 2008.
- [11] M. E. Cryan, M. E. Dyer, H. Müller and L. Stougie, “Random walks on the vertices of transportation polytopes with constant number of sources”, *Random Structures and Algorithms* **33**, 333–355, 2008.
- [12] C. D. Cooper, M. E. Dyer and C. S. Greenhill, “Sampling regular graphs and a peer-to-peer network”, *Combinatorics, Probability and Computing* **16**, 557–593, 2007.
- [13] M. E. Dyer, L. A. Goldberg and M. S. Paterson, “On counting homomorphisms to directed acyclic graphs”, *Journal of the ACM* **54**, Article No. 27, 2007.

- [14] M. Bordewich and M. E. Dyer, “Path coupling without contraction”, *Journal of Discrete Algorithms* **5**, 280–292, 2007.
- [15] M. E. Dyer, Leslie Ann Goldberg, Mark Jerrum, “Dobrushin conditions and systematic scan”, Proc. of APPROX-RANDOM 2006, pp. 327–338, 2006.
- [16] M. Bordewich, M. E. Dyer and M. Karpinski, “Stopping times, metrics and approximate counting”, *Proceedings of the 33rd International Colloquium on Automata, Languages and Programming*, Springer, pp. 108–119, 2006.
- [17] M. E. Dyer, L. A. Goldberg and M. S. Paterson, “On counting homomorphisms to directed acyclic graphs”, *Proceedings of the 33rd International Colloquium on Automata, Languages and Programming*, Springer, pp. 38–49, 2006.
- [18] M. E. Dyer and L. Stougie, “Computational complexity of stochastic programming problems”, *Mathematical Programming* **106**, 423–432, 2006.
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