

## References

- [1] N. ALON, R. YUSTER, AND U. ZWICK, Color-coding, *Journal of the ACM* 42, pp. 844-856, (1995).
- [2] P. BILLINGSLEY, *Probability and Measure*, John Wiley, New York, 1979.
- [3] J. CHEN, J. KNEIS, S. LU, D. MOLLE, S. RICHTER, P. ROSSMANITH, S.-H. SZE, AND F. ZHANG, Randomized divide-and-conquer: improved path, matching, and packing algorithms, *SIAM J. Comput.* 38-6, pp. 2526-2547, (2009).
- [4] J. CHEN AND S. LU, Improved parameterized set splitting algorithms: a probabilistic approach, *Algorithmica* 54, pp. 472-489, (2009).
- [5] W. FELLER, *An Introduction to Probability Theory and Its Applications*, Volume I, John Wiley, New York, 1968.
- [6] W. FELLER, *An Introduction to Probability Theory and Its Applications*, Volume II, John Wiley, New York, 1968.
- [7] J. GILL, Computational complexity of probabilistic Turing machines, *SIAM Journal on Computing* 6, pp. 675-694, (1977).
- [8] A. V. GOLDBERG AND R. E. TARJAN, A new approach to the maximum flow problem, *Journal of the ACM* 35, pp. 921-940, (1988).
- [9] R. L. GRAHAM, D. E. KNUTH, AND O. PATASCHNIK, *Concrete Mathematics - A Foundation for Computer Science*, Addison-Wesley, Reading, MA, 1992.
- [10] G. GRIMMETT AND D. R. STIRZAKER, *Probability and Random Processes*, Oxford University Press, Oxford, 1988.
- [11] D. R. KARGER, Global min-cuts in RNC, and other ramifications of a simple min-cut algorithm, *Proc. 4th Annual ACM-SIAM Symposium on Discrete Algorithms* (SODA 93), pp. 21-30, (1993).
- [12] D. R. KARGER AND C. STEIN, A new approach to the minimum cut problem, *Journal of the ACM* 43-4, pp. 601-640, (1996).
- [13] R. KARP AND R. LIPTON, Some connections between nonuniform and uniform complexity classes, in *Proc. 12th ACM Symposium on Theory of Computing*, pp. 302-309, (1980).
- [14] D. E. KNUTH, *The Art of Computer Programming*, Vol. 2: Seminumerical Algorithms (3rd ed.), Addison-Wesley Professional, (1997).
- [15] H. NAGAMOCHI AND T. IBARAKI, Computing edge connectivity in multigraphs and capacitated graphs, *SIAM Journal on Discrete Mathematics* 5, pp. 54-66, (1992).
- [16] C. PAPADIMITRIOU, *Computational Complexity*, Addison Wesley, Reading, Mass., (1994).
- [17] H. ROBBINS, A remark on Stirling's formula, *The American Mathematical Monthly* 62, pp. 26-29, (1955).
- [18] J. SCOTT, T. IDEKER, R. KARP, AND R. SHARAN, Efficient algorithms for detecting signaling pathways in protein interaction networks, *Journal of Computational Biology* 13, pp. 133-144, (2006).
- [19] R. WILLIAMS, Finding paths of length  $k$  in  $O^*(2^k)$  time, *Information Processing Letters* 109, pp. 315-318, (2009).