

## References

- [1] Serge Abiteboul and Victor Vianu. Equivalence and optimization of relational transactions. *J. ACM*, 35(1):70–120, 1988.
- [2] Helmut Alt. Comparing the combinational complexities of arithmetic functions. *J. ACM*, 35(2):447–460, 1988.
- [3] Hagit Attiya, Marc Snir, and Manfred K. Warmuth. Computing on an anonymous ring. *J. ACM*, 35(4):845–875, 1988.
- [4] Avikam Baltsan and Micha Sharir. On the shortest paths between two convex polyhedra. *J. ACM*, 35(2):267–287, 1988.
- [5] David A. Mix Barrington and Denis Thérien. Finite monoids and the fine structure of  $nc^1$ . *J. ACM*, 35(4):941–952, 1988.
- [6] A.R. Calderbank, Jr. Coffman, E.G., and Leopold Flatto. Optimal directory placement on disk storage devices. *J. ACM*, 35(2):433–446, 1988.
- [7] Jik H. Chang, Oscar H. Ibarra, and Anastasios Vergis. On the power of one-way communication. *J. ACM*, 35(3):697–726, 1988.
- [8] Vašek Chvátal and Endre Szemerédi. Many hard examples for resolution. *J. ACM*, 35(4):759–768, 1988.
- [9] Richard Cole and Alan Siegel. Optimal vlsi circuits for sorting. *J. ACM*, 35(4):777–809, 1988.
- [10] Bruce Jay Collings and G. Barry Hembree. Addendum to “initializing generalized feedback shift register pseudorandom number generators”. *J. ACM*, 35(4):1001, 1988.
- [11] Hans Daduna. Busy periods for subnetworks in stochastic networks: Mean value analysis. *J. ACM*, 35(3):668–674, 1988.
- [12] Cynthia Dwork, Nancy Lynch, and Larry Stockmeyer. Consensus in the presence of partial synchrony. *J. ACM*, 35(2):288–323, 1988.
- [13] Michael R. Fellows and Michael A. Langston. Nonconstructive tools for proving polynomial-time decidability. *J. ACM*, 35(3):727–739, 1988.

- [14] Faith E. Fich and Martin Tompa. The parallel complexity of exponentiating polynomials over finite fields. *J. ACM*, 35(3):651–667, 1988.
- [15] Merrick L. Furst, Jonathan L. Gross, and Lyle A. McGeoch. Finding a maximum-genus graph embedding. *J. ACM*, 35(3):523–534, 1988.
- [16] Zvi Galil and éva Tardos. An  $o(n^2(m + n \log n) \log n)$  min-cost flow algorithm. *J. ACM*, 35(2):374–386, 1988.
- [17] Andrew V. Goldberg and Robert E. Tarjan. A new approach to the maximum-flow problem. *J. ACM*, 35(4):921–940, 1988.
- [18] Gaston H. Gonnet and Per-Åke Larson. External hashing with limited internal storage. *J. ACM*, 35(1):161–184, 1988.
- [19] Teofilo F. Gonzalez and Sing-Ling Lee. A linear time algorithm for optimal routing around a rectangle. *J. ACM*, 35(4):810–831, 1988.
- [20] Jonathan Goodman, Albert G. Greenberg, Neal Madras, and Peter March. Stability of binary exponential backoff. *J. ACM*, 35(3):579–602, 1988.
- [21] M.D. Grigoriadis and B. Kalantari. A new class of heuristic algorithms for weighted perfect matching. *J. ACM*, 35(4):769–776, 1988.
- [22] Vassos Hadzilacos. A theory of reliability in database systems. *J. ACM*, 35(1):121–145, 1988.
- [23] Lenwood S. Heath, Arnold L. Rosenberg, and Bruce T. Smith. The physical mapping problem for parallel architectures. *J. ACM*, 35(3):603–634, 1988.
- [24] Timothy Hickey and Jacques Cohen. Automating program analysis. *J. ACM*, 35(1):185–220, 1988.
- [25] Wen-Lian Hsu. The coloring and maximum independent set problems on planar perfect graphs. *J. ACM*, 35(3):535–563, 1988.
- [26] Erich Kaltofen. Greatest common divisors of polynomials given by straight-line programs. *J. ACM*, 35(1):231–264, 1988.

- [27] Anna R. Karlin and Eli Upfal. Parallel hashing: An efficient implementation of shared memory. *J. ACM*, 35(4):876–892, 1988.
- [28] Anthony Klug. On conjunctive queries containing inequalities. *J. ACM*, 35(1):146–160, 1988.
- [29] S. Rao Kosaraju and Mikhail J. Atallah. Optimal simulations between mesh-connected arrays of processors. *J. ACM*, 35(3):635–650, 1988.
- [30] Yann-Hang Lee and Kang G. Shin. Optimal design and use of retry in fault-tolerant computer systems. *J. ACM*, 35(1):45–69, 1988.
- [31] Daniel Leivant and Tim Fernando. Meager and replete failures of relative completeness. *J. ACM*, 35(4):953–964, 1988.
- [32] Robert McNaughton, Paliath Narendran, and Friedrich Otto. Church-rosser thue systems and formal languages. *J. ACM*, 35(2):324–344, 1988.
- [33] N. Megiddo, S.L. Hakimi, M.R. Garey, D.S. Johnson, and C.H. Papadimitriou. The complexity of searching a graph. *J. ACM*, 35(1):18–44, 1988.
- [34] Friedhelm Meyer auf der Heide. Fast algorithms for  $n$ -dimensional restrictions of hard problems. *J. ACM*, 35(3):740–747, 1988.
- [35] Shivendra S. Panwar, Don Towsley, and Jack K. Wolf. Optimal scheduling policies for a class of queues with customer deadlines to the beginning of service. *J. ACM*, 35(4):832–844, 1988.
- [36] Leonard Pitt and Leslie G. Valiant. Computational limitations on learning from examples. *J. ACM*, 35(4):965–984, 1988.
- [37] Lyle Ramshaw. Eliminating go to's while preserving program structure. *J. ACM*, 35(4):893–920, 1988.
- [38] Wansoo T. Rhee and Michel Talagrand. Some distributions that allow perfect packing. *J. ACM*, 35(3):564–578, 1988.
- [39] Jan Robin Rohlicek and Alan S. Willsky. The reduction of perturbed markov generators: An algorithm exposing the role of transient states. *J. ACM*, 35(3):675–696, 1988.

- [40] Ravinderpal Singh Sandhu. The schematic protection model: Its definition and analysis for acyclic attenuating schemes. *J. ACM*, 35(2):404–432, 1988.
- [41] Galen H. Sasaki and Bruce Hajek. The time complexity of maximum matching by simulated annealing. *J. ACM*, 35(2):387–403, 1988.
- [42] Arnold Schönhage. A nonlinear lower bound for random-access machines under logarithmic cost. *J. ACM*, 35(3):748–754, 1988.
- [43] Joel I. Seiferas and Paul M.B. Vitányi. Counting is easy. *J. ACM*, 35(4):985–1000, 1988.
- [44] N. Shanker. A mechanical proof of the church-rosser theorem. *J. ACM*, 35(3):475–522, 1988.
- [45] Satish K. Tripathi and C. Murray Woodside. A vertex-allocation theorem for resources in queuing networks. *J. ACM*, 35(1):221–230, 1988.
- [46] Jeffrey D. Ullman and Allen van Gelder. Efficient tests for top-down termination of logical rules. *J. ACM*, 35(2):345–373, 1988.
- [47] Christoph Walther. Many-sorted unification. *J. ACM*, 35(1):1–17, 1988.
- [48] Ingo Wegener. On the complexity of branching programs and decision trees for clique functions. *J. ACM*, 35(2):461–471, 1988.