

## References

- [1] K. Abrahamson. Generalized string matching. *SIAM J. Comput.*, 16(6):1039–1051, 1987, December.
- [2] H. Alt, T. Hagerup, K. Mehlhorn, and F.P. Preparata. Deterministic simulation of idealized parallel computers on more realistic ones. *SIAM J. Comput.*, 16(5):808–835, 1987, October.
- [3] T. Asano. An application of duality of edge-deletion problems. *SIAM J. Comput.*, 16(2):312–331, 1987, April.
- [4] F. Aurenhammer. Power diagrams: properties, algorithms and applications. *SIAM J. Comput.*, 16(1):78–96, 1987, February.
- [5] Y. Azar and U. Vishkin. Tight comparison bounds on the complexity of parallel sorting. *SIAM J. Comput.*, 16(3):458–464, 1987, June.
- [6] B. Becker and G. Hotz. On the optimal layout of planar graphs with fixed boundary. *SIAM J. Comput.*, 16(5):946–972, 1987, October. The optimal planar layout of planar graphs with respect to the  $L_1$  or  $L_2$  metric leads to NP-hard problems, if one assumes the nodes of the graph to be fixed in the plane. The authors consider the (optimal) layout of graphs with fixed boundary (i.e. graphs, where only the nodes of a given cycle of the graph have fixed positions in the plane). The investigated layouts are straight line embeddings in a continuous part of the plane; the cost of a layout is calculated with help of very general cost functions including the  $p$ th power of the usual Euclidean distance metric for  $p = 2, 3, \dots$  (for short,  $L_p$ .
- [7] D. Bini and M. Capovani. Tensor rank and border rank of band toeplitz matrices. *SIAM J. Comput.*, 16(2):252–258, 1987, April.
- [8] A. Borodin, F. Fich, F. Meyer auf der Heide, E. Upfal, and A. Wigderson. A time-space tradeoff for element distinctness. *SIAM J. Comput.*, 16(1):97–99, 1987, February.
- [9] Jin-yi Cai and G.E. Meyer. Graph minimal uncolorability is  $d^p$ -complete. *SIAM J. Comput.*, 16(2):259–277, 1987, April.

- [10] E.P.F. Chan and A.O. Mendelzon. Independent and separable database schemes. *SIAM J. Comput.*, 16(5):841–851, 1987, October.
- [11] Hyeong-Ah Choi and S.L. Hakimi. Scheduling file transfers for trees and odd cycles. *SIAM J. Comput.*, 16(1):162–168, 1987, February.
- [12] R. Cole, M. Sharir, and C.K. Yap. On  $k$ -hulls and related problems. *SIAM J. Comput.*, 16(1):61–77, 1987, February.
- [13] C.A. Courcoubetis, M.I. Reiman, and B. Simon. Stability of queueing system with concurrent service and locking. *SIAM J. Comput.*, 16(1):169–178, 1987, February.
- [14] K. Culik II and J. Karhumäki. The equivalence problem for single-valued two-way transducers (on npdtol languages) is decidable. *SIAM J. Comput.*, 16(2):221–230, 1987, April.
- [15] F. Fogelman-Soullé and G. Weisbuch. Random iterations of threshold networks and associative memory. *SIAM J. Comput.*, 16(1):203–220, 1987, February.
- [16] G.N. Frederickson. Fast algorithms for shortest paths in planar graphs, with applications. *SIAM J. Comput.*, 16(6):1004–1022, 1987, December.
- [17] D.K. Friesen. Tighter bounds for lpt scheduling on uniform processors. *SIAM J. Comput.*, 16(3):554–560, 1987, June.
- [18] A.M. Frieze. On the exact solution of random travelling salesman problems with medium size integer coefficients. *SIAM J. Comput.*, 16(6):1052–1072, 1987, December.
- [19] W. Gasarch. Oracles for deterministic versus alternating classes. *SIAM J. Comput.*, 16(4):613–627, 1987, August.
- [20] T.F. Gonzalez and Sing-Ling Lee. A 1.6 approximation algorithm for routing multiterminal nets. *SIAM J. Comput.*, 16(4):669–704, 1987, August.
- [21] I. Guessarian and J. Meseguer. On the axiomatization of ‘if-then-else’\*. *SIAM J. Comput.*, 16(2):332–357, 1987, April.

- [22] Y. Gurevich and S. Shelah. Expected computation time for hamiltonian path problem. *SIAM J. Comput.*, 16(3):486–502, 1987, June.
- [23] D. Gusfield. Optimal mixed graph augmentation. *SIAM J. Comput.*, 16(4):599–612, 1987, August.
- [24] D. Gusfield. Three fast algorithms for four problems in stable marriage. *SIAM J. Comput.*, 16(1):111–128, 1987, February.
- [25] D. Gusfield, C. Martel, and D. Fernandez-Baca. Fast algorithms for bipartite network flow. *SIAM J. Comput.*, 16(2):237–251, 1987, April.
- [26] David Helmbold and Ernst W. Mayr. Two processor scheduling is in  $nc$ . *SIAM J. Comput.*, 16(4):747–759, 1987, August.
- [27] D.S. Hirschberg and L.L. Larmore. The least weight subsequence problem. *SIAM J. Comput.*, 16(4):628–638, 1987, August.
- [28] M. Hofri and A.G. Konheim. Padded lists revisited. *SIAM J. Comput.*, 16(6):1073–1114, 1987, December.
- [29] M. Hofri and K.W. Ross. On the optimal control of two queues with server setup times and its analysis. *SIAM J. Comput.*, 16(2):399–420, 1987, April.
- [30] J.D. Horton. A polynomial-time algorithm to find the shortest cycle basis of a graph. *SIAM J. Comput.*, 16(2):358–366, 1987, April.
- [31] T.C. Hu and M.L. Wachs. Binary search on a tape. *SIAM J. Comput.*, 16(3):573–590, 1987, June.
- [32] Wenqi Huang and Xiangdong Yu. A dnf without regular shortest consensus path. *SIAM J. Comput.*, 16(5):836–840, 1987, October.
- [33] H.B. Hunt III, D.J. Rosenkrantz, and P.A. Bloniarz. On the computational complexity of algebra on lattices. *SIAM J. Comput.*, 16(1):129–148, 1987, February.
- [34] H.B. Hunt III and R.E. Stearns. Nonlinear algebra and optimization on rings are 'hard'. *SIAM J. Comput.*, 16(5):910–929, 1987, October.

- [35] O.H. Ibarra and Tao Jiang. On one-way cellular arrays. *SIAM J. Comput.*, 16(6):1135–1154, 1987, December.
- [36] O.H. Ibarra and M.A. Palis. On efficient simulations of systolic arrays by random-access machines. *SIAM J. Comput.*, 16(2):367–377, 1987, April.
- [37] N. Immerman. Languages that capture complexity classes. *SIAM J. Comput.*, 16(4):760–778, 1987, August.
- [38] D.W. Jones. A note on bottom-up skew heaps. *SIAM J. Comput.*, 16(1):108–110, 1987, February.
- [39] R. Kannan, G. Miller, and L. Rudolph. Sublinear parallel algorithm for computing the greatest common divisor of two integers. *SIAM J. Comput.*, 16(1):7–16, 1987, February.
- [40] C. Knässl, B.J. Matkowsky, Z. Schuss, and C. Tier. Asymptotic expansions for a closed multiple access system. *SIAM J. Comput.*, 16(2):378–398, 1987, April.
- [41] E. Korach, S. Moran, and S. Zaks. The optimality of distributive constructions of minimum weight and degree restricted spanning trees in a complete network of processors. *SIAM J. Comput.*, 16(2):231–236, 1987, April.
- [42] S.A. Kurtz. A note on randomized polynomial time. *SIAM J. Comput.*, 16(5):852–853, 1987, October.
- [43] L.L. Larmore. Height restricted optimal binary trees. *SIAM J. Comput.*, 16(6):1115–1123, 1987, December.
- [44] A.K. Lenstra. Factoring multivariate polynomials over algebraic number fields. *SIAM J. Comput.*, 16(3):591–598, 1987, June.
- [45] T. Lickteig. The computational complexity of division in quadratic extension fields. *SIAM J. Comput.*, 16(2):278–311, 1987, April.
- [46] A. Lubiw. Doubly lexical orderings of matrices. *SIAM J. Comput.*, 16(5):854–879, 1987, October.

- [47] W. Maass and A. Schorr. Speed-up of turing machines with one work tape and a two-way input tape. *SIAM J. Comput.*, 16(1):195–202, 1987, February.
- [48] P. McKenzie and S.A. Cook. The parallel complexity of abelian permutation group problems. *SIAM J. Comput.*, 16(5):880–909, 1987, October.
- [49] A.H. Mekler and E.M. Nelson. Equational bases for if-then-else. *SIAM J. Comput.*, 16(3):465–485, 1987, June.
- [50] F. Meyer auf der Heide and A. Wigderson. The complexity of parallel sorting. *SIAM J. Comput.*, 16(1):100–107, 1987, February.
- [51] R. Miller and Q.F. Stout. Data movement techniques for the pyramid computer. *SIAM J. Comput.*, 16(1):38–60, 1987, February.
- [52] J.S.B. Mitchell, D.M. Mount, and C.H. Papadimitriou. The discrete geodesic problem. *SIAM J. Comput.*, 16(4):647–668, 1987, August.
- [53] A. Moffat and T. Takaoka. An all pairs shortest path algorithm with expected time  $o(n^2 \log n)$ . *SIAM J. Comput.*, 16(6):1023–1031, 1987, December.
- [54] J.A. Morrison, L.A. Shepp, and C.J. van Wyk. A queueing analysis of hashing with lazy deletion. *SIAM J. Comput.*, 16(6):1155–1164, 1987, December.
- [55] P.D. Mosses and G.D. Plotkin. On proving limiting completeness. *SIAM J. Comput.*, 16(1):179–194, 1987, February.
- [56] F.D. Murgolo. An efficient approximation scheme for variable-sized bin packing. *SIAM J. Comput.*, 16(1):149–161, 1987, February.
- [57] B.J. Oommen and E.R. Hansen. List organizing strategies using stochastic move-to-front and stochastic move-to-rear operations. *SIAM J. Comput.*, 16(4):705–716, 1987, August.
- [58] R. Paige and R.E. Tarjan. Three partition refinement algorithms. *SIAM J. Comput.*, 16(6):973–989, 1987, December.

- [59] C.H. Papadimitriou and J.N. Tsitsiklis. On stochastic scheduling with in-tree precedence constraints. *SIAM J. Comput.*, 16(1):1–6, 1987, February.
- [60] C.H. Papadimitriou and J.D. Ullman. A communication-time tradeoff. *SIAM J. Comput.*, 16(4):639–646, 1987, August.
- [61] C.H. Papadimitriou and M. Yannakakis. The complexity of reliable concurrency control. *SIAM J. Comput.*, 16(3):538–553, 1987, June.
- [62] N. Pippenger. Sorting and selecting in rounds. *SIAM J. Comput.*, 16(6):1032–1038, 1987, December.
- [63] L.E. Rosier and Hsu-Chun Yen. Logspace hierarchies, polynomial time and the complexity of fairness problems concerning  $\omega$ -machines. *SIAM J. Comput.*, 16(5):779–807, 1987, October.
- [64] E.R. Scheinerman. Almost sure fault tolerance in random graphs. *SIAM J. Comput.*, 16(6):1124–1134, 1987, December.
- [65] M. Sharir. On shortest paths amidst convex polyhedra. *SIAM J. Comput.*, 16(3):561–572, 1987, June.
- [66] O. Shmueli and A. Itai. Complexity of views: tree and cyclic schemas. *SIAM J. Comput.*, 16(1):17–37, 1987, February.
- [67] R. Tamassia. On embedding a graph in the grid with the minimum number of bends. *SIAM J. Comput.*, 16(3):421–444, 1987, June.
- [68] S. Toueg, K.J. Perry, and T.K. Srikanth. Fast distributed agreement. *SIAM J. Comput.*, 16(3):445–457, 1987, June.
- [69] V.K. Vaishnavi. Weighted leaf avl-trees. *SIAM J. Comput.*, 16(3):503–537, 1987, June. see Erratum in SIAM J. Comput., Vol. 19, 591.
- [70] J. von zur Gathen. Computing powers in parallel. *SIAM J. Comput.*, 16(5):930–945, 1987, October.
- [71] P. Widmayer, Y.F. Wu, and C.K. Wong. On some distance problems in fixed orientations. *SIAM J. Comput.*, 16(4):728–746, 1987, August.

- [72] N.C. Wormald. Generating random unlabelled graphs. *SIAM J. Comput.*, 16(4):717–727, 1987, August.
- [73] M.C.K. Yang, Jun S. Huang, and Yuan-Chieh Chow. Optimal parallel sorting scheme by order statistics. *SIAM J. Comput.*, 16(6):990–1003, 1987, December.