# References


[1] Richa Agarwala, Vineet Bafna, Martin Farach, Mike Paterson, and Mikkel Thorup. On the approximability of numerical taxonomy (fitting distances by tree metrics). *SIAM J. Comput.*, 28(3):1073–1085, 1998-1999.

[2] Marcos Kawazoe Aguilera and Sam Toueg. Failure detection and randomization: A hybrid approach to solve consensus. *SIAM J. Comput.*, 28(3):890–903, 1998-1999.

[3] D. Aingworth, C. Chekuri, P. Indyk, and R. Motwani. Fast estimation of diameter and shortest paths (without matrix multiplication). *SIAM J. Comput.*, 28(4):1167–1181, 1999.

[4] Stephen Alstrup, Dov Harel, Peter W. Lauridsen, and Mikkel Thorup. Dominators in linear time. *SIAM J. Comput.*, 28(6):2117–2132, 1999.

[5] Richard J. Anderson. Tree data structures for $n$-body simulation. *SIAM J. Comput.*, 28(6):1923–1940, 1999.

[6] Alexander E. Andreev, Andrea E.F. Clementi, José D.P. Rolim, and Luca Trevisan. Weak random sources, hitting sets, and bpp simulations. *SIAM J. Comput.*, 28(6):2103–2116, 1999.

[7] Sigal Ar, Richard J. Lipton, Ronitt Rubinfeld, and Madhu Sudan. Reconstructing algebraic functions from mixed data. *SIAM J. Comput.*, 28(2):487–510, 1998.

[8] Jonathan E. Atkins, Erik G. Boman, and Bruce Hendrickson. A spectral algorithm for seriation and the consecutive ones problem. *SIAM J. Comput.*, 28(1):297–310, 1998.

[9] Hagit Attiya, Hadas Shachnai, and Tami Tamir. Local labeling and resource allocation using preprocessing. *SIAM J. Comput.*, 28(4):1397–1413, 1999.

[10] David Avis, Bryan Beresford-Smith, Luc Devroye, Hossam Elgindy, Eric Guévremont, Ferran Hurtado, and Binhai Zhu. Unoriented $\theta$-maxima in the plane: Complexity and algorithms. *SIAM J. Comput.*, 28(1):278–296, 1998.

[11] Baruch Awerbuch, Yossi Azar, Avrim Blum, and Santosh Vempala. New approximation guarantees for minimum-weight $k$-trees and prize-collecting salesmen. *SIAM J. Comput.*, 28(1):254–262, 1998.

[12] Baruch Awerbuch, Bonnie Berger, Lenore Cowen, and David Peleg. Near-linear time construction of sparse neighborhood covers. *SIAM J. Comput.*, 28(1):263–277, 1998.

[13] Baruch Awerbuch, Israel Cidon, Shay Kutten, Yishay Mansour, and David Peleg. Optimal broadcast with partial knowledge. *SIAM J. Comput.*, 28(2):511–524, 1998.

[14] Amotz Bar-Noy, Ran Canetti, Shay Kutten, Yishay Mansour, and Baruch Schieber. Bandwidth allocation with preemption. *SIAM J. Comput.*, 28(5):1806–1828, 1999.

[15] Paul Beame, Allan Borodin, Prabhakar Raghavan, Walter L. Ruzzo, and Martin Tompa. A time-space tradeoff for undirected graph traversal by walking automata. *SIAM J. Comput.*, 28(3):1051–1072, 1998-1999.

[16] Yosi Ben-Asher, Eitan Farchi, and Ilan Newman. Optimal search in trees. *SIAM J. Comput.*, 28(6):2090–2102, 1999.

[17] Aart J.C. Bik and Harry A.G. Wijshoff. Automatic nonzero structure analysis. *SIAM J. Comput.*, 28(5):1576–1587, 1999.

[18] Andrei Z. Broder, Alan M. Frieze, Stephen Suen, and Eli Upfal. Optimal construction of edge-disjoint paths in random graphs. *SIAM J. Comput.*, 28(2):541–573, 1998.

[19] Andrej Brodnik and J. Ian Munro. Membership in constant time and almost-minimum space. *SIAM J. Comput.*, 28(5):1627–1640, 1999.

[20] Hervé Brönnimann, Bernard Chazelle, and Jiří Matoušek. Product range spaces, sensitive sampling, and derandomization. *SIAM J. Comput.*, 28(5):1552–1575, 1999.

[21] A.E. Brouwer. An associative block design abd(8,5). *SIAM J. Comput.*, 28(6):1970–1971, 1999.

[22] Nader H. Bshouty, Paul W. Goldberg, Sally A. Goldman, and H. David Mathias. Exact learning of discretized geometric concepts. *SIAM J. Comput.*, 28(2):674–699, 1998.

[23] Nader H. Bshouty and Jeffrey C. Jackson. Learning dnf over the uniform distribution using a quantum example oracle. *SIAM J. Comput.*, 28(3):1136–1153, 1998-1999.

[24] Harry Buhrman, Jaap-Henk Hoepman, and Paul Vitányi. Space-efficient routing tables for almost all networks and the incompressibility method. *SIAM J. Comput.*, 28(4):1414–1432, 1999.

[25] Jin-Yi Cai and Alan L. Selman. Fine separation of average-time complexity classes. *SIAM J. Comput.*, 28(4):1310–1325, 1999.

[26] John Case. The power of vacillation in language learning. *SIAM J. Comput.*, 28(6):1941–1969, 1999.

[27] Prasad Chalasani and Rajeev Motwani. Approximating capacitated routing and delivery problems. *SIAM J. Comput.*, 28(6):2133–2149, 1999.

[28] Barun Chandra, Howard Karloff, and Craig Tovey. New results on the old $k$-opt algorithm for the traveling salesman problem. *SIAM J. Comput.*, 28(6):1998–2029, 1999.

[29] Chi-Chang Chen and Jianer Chen. The maximum partition matching problem with applications. *SIAM J. Comput.*, 28(3):935–954, 1998-1999.

[30] Boris V. Cherkassky, Andrew V. Goldberg, and Craig Silverstein. Buckets, heaps, lists, and monotone priority queues. *SIAM J. Comput.*, 28(4):1326–1346, 1999.

[31] Francis Chin and Cao An Wang. Finding the constrained delaunay triangulation and constrained voronoi diagram of a simple polygon in linear time. *SIAM J. Comput.*, 28(2):471–486, 1998.

[32] Edith Cohen. Fast algorithms for constructing $t$-spanners and paths with stretch $t$. *SIAM J. Comput.*, 28(1):210–236, 1998.

[33] Thomas H. Cormen, Thomas Sundquist, and Leonard F. Wisniewski. Asymptotically tight bounds for performing bmmc permutations on parallel disk systems. *SIAM J. Comput.*, 28(1):105–136, 1998.

[34] Derek G. Corneil, Stephan Olariu, and Lorna Stewart. Linear time algorithms for dominating pairs in asteroidal triple-free graphs. *SIAM J. Comput.*, 28(4):1284–1297, 1999.

[35] Pierluigi Crescenzi, Viggo Kann, Riccardo Silvestri, and Luca Trevisan. Structure in approximation classes. *SIAM J. Comput.*, 28(5):1759–1782, 1999.

[36] Luc Devroye. Universal limit laws for depths in random trees. *SIAM J. Comput.*, 28(2):409–432, 1998.

[37] Luc Devroye. The height and size of random hash trees and random pebbled hash trees. *SIAM J. Comput.*, 28(4):1215–1224, 1999.

[38] Dorit Dor and Uri Zwick. Selecting the median. *SIAM J. Comput.*, 28(5):1722–1758, 1999.

[39] D.Z. Du, B. Gao, F.K. Hwang, and J.H. Kim. On multirate rearrangeable clos networks. *SIAM J. Comput.*, 28(2):463–470, 1998.

[40] Cynthia Dwork, Maurice Herlihy, Serge Plotkin, and Orli Waarts. Time-lapse snapshots. *SIAM J. Comput.*, 28(5):1848–1874, 1999.

[41] Jeff Edmonds, Chung Keung Poon, and Dimitris Achlioptas. Tight lower bounds for *st*-connectivity on the nnjag model. *SIAM J. Comput.*, 28(6):2257–2284, 1999.

[42] David Eppstein. Finding the $k$ shortest paths. *SIAM J. Comput.*, 28(2):652–673, 1998.

[43] David Eppstein, Zvi Galil, Giuseppe F. Italiano, and Thomas H. Spencer. Separator-based sparsification ii: Edge and vertex connectivity. *SIAM J. Comput.*, 28(1):341–381, 1998.

[44] Jeff Erickson. New lower bounds for convex hull problems in odd dimensions. *SIAM J. Comput.*, 28(4):1198–1214, 1999.

[45] William Evans and Nicholas Pippenger. Average-case lower bounds for noisy boolean decision trees. *SIAM J. Comput.*, 28(2):433–446, 1998.

[46] Guy Even, Joseph (Seffi) Naor, Satish Rao, and Baruch Schieber. Fast approximate graph partitioning algorithms. *SIAM J. Comput.*, 28(6):2187–2214, 1999.

[47] Tomás Feder and Moshe Y. Vardi. The computational structure of monotone monadic *snp* and constraint satisfaction: A study through datalog and group theory. *SIAM J. Comput.*, 28(1):57–104, 1998.

[48] Stefan Felsner and Lorenz Wernisch. Maximum $k$-chains in planar point sets: Combinatorial structure and algorithms. *SIAM J. Comput.*, 28(1):192–209, 1998.

[49] Amos Fiat, Dean P. Foster, Howard Karloff, Yuval Rabani, Yiftach Ravid, and Sundar Vishwanathan. Competitive algorithms for layered graph traversal. *SIAM J. Comput.*, 28(2):447–462, 1998.

[50] Lance Fortnow, Judy Goldsmith, Matthew A. Levy, and Stephen Mahaney. $l$-printable sets. *SIAM J. Comput.*, 28(1):137–151, 1998.

[51] Eli Gafni and Elias Koutsoupias. Three-processor tasks are undecidable. *SIAM J. Comput.*, 28(3):970–983, 1998-1999.

[52] Viliam Geffert, Carlo Mereghetti, and Giovanni Pighizzini. Sublogarithmic bounds on space and reversals. *SIAM J. Comput.*, 28(1):325–340, 1998.

[53] Phillip B. Gibbons, Yossi Matias, and Vijaya Ramachandran. The queue-read queue-write pram model: Accounting for contention in parallel algorithms. *SIAM J. Comput.*, 28(2):733–769, 1998.

[54] Leslie Ann Goldberg, Yossi Matias, and Satish Rao. An optical simulation of shared memory. *SIAM J. Comput.*, 28(5):1829–1847, 1999.

[55] Michael T. Goodrich and Roberto Tamassia. Dynamic trees and dynamic point location. *SIAM J. Comput.*, 28(2):612–636, 1998.

[56] Haripriyan Hampapuram and Michael L. Fredman. Optimal biweighted binary trees and the complexity of maintaining partial sums. *SIAM J. Comput.*, 28(1):1–9, 1998.

[57] Sariel Har-Peled. Constructing approximate shortest path maps in three dimensions. *SIAM J. Comput.*, 28(4):1182–1197, 1999.

[58] Warwick Harvey. Computing two-dimensional integer hulls. *SIAM J. Comput.*, 28(6):2285–2299, 1999.

[59] Johan Håstad, Russell Impagliazzo, Leonid A. Levin, and Michael Luby. A pseudorandom generator from any one-way function. *SIAM J. Comput.*, 28(4):1364–1396, 1999.

[60] Xin He. On floor-plan of plane graphs. *SIAM J. Comput.*, 28(6):2150–2167, 1999.

[61] Lenwood S. Heath and Sriram V. Pemmaraju. Stack and queue layouts of directed acyclic graphs: Part ii. *SIAM J. Comput.*, 28(5):1588–1626, 1999.

[62] Lenwood S. Heath, Sriram V. Pemmaraju, and Ann N. Trenk. Stack and queue layouts of directed acyclic graphs: Part i. *SIAM J. Comput.*, 28(4):1510–1539, 1999.

[63] Edith Hemaspaandra, Lane A. Hemaspaandra, and Harald Hempel. A downward collapse within the polynomial hierarchy. *SIAM J. Comput.*, 28(2):383–393, 1998.

[64] Lane A. Hemaspaandra, Harald Hempel, and Gerd Wechsung. Query order. *SIAM J. Comput.*, 28(2):637–651, 1998.

[65] John Hershberger and Subhash Suri. An optimal algorithm for euclidean shortest paths in the plane. *SIAM J. Comput.*, 28(6):2215–2256, 1999.

[66] Lisa Higham and Teresa Przytycka. Asymptotically optimal election on weighted rings. *SIAM J. Comput.*, 28(2):720–732, 1998.

[67] Hugh Hind, Michael Molloy, and Bruce Reed. Total coloring with $\delta + poly(\log \delta)$ colors. *SIAM J. Comput.*, 28(3):816–821, 1998-1999.

[68] Wen-Lian Hsu and Tze-Heng Ma. Fast and simple algorithms for recognizing chordal comparability graphs and interval graphs. *SIAM J. Comput.*, 28(3):1004–1020, 1998-1999.

[69] Zoran Ivković and Errol L. Lloyd. Fully dynamic algorithms for bin packing: Being (mostly) myopic helps. *SIAM J. Comput.*, 28(2):574–611, 1998.

[70] Prasad Jayanti. Solvability of consensus: Composition breaks down for nondeterministic types. *SIAM J. Comput.*, 28(3):782–797, 1998-1999.

[71] Ming-Yang Kao, Junfeng Qi, and Lei Tan. Optimal bidding algorithms against cheating in multiple-object auctions. *SIAM J. Comput.*, 28(3):955–969, 1998-1999.

[72] Haim Kaplan, Ron Shamir, and Robert E. Tarjan. Tractability of parameterized completion problems on chordal, strongly chordal, and proper interval graphs. *SIAM J. Comput.*, 28(5):1906–1922, 1999.

[73] David R. Karger, Noam Nisan, and Michal Parnas. Fast connected components algorithms for the erew pram. *SIAM J. Comput.*, 28(3):1021–1034, 1998-1999.

[74] Dimitris Kavvadias and Martha Sideri. The inverse satisfiability problem. *SIAM J. Comput.*, 28(1):152–163, 1998.

[75] Hans Kellerer, T. Tautenhahn, and G. Woeginger. Approximability and nonapproximability results for minimizing total flow time on a single machine. *SIAM J. Comput.*, 28(4):1155–1166, 1999.

[76] Sanjeev Khanna, Rajeev Motwani, Madhu Sudan, and Umesh Vazirani. On syntactic versus computational views of approximability. *SIAM J. Comput.*, 28(1):164–191, 1998.

[77] Johannes Köbler and Osamu Watanabe. New collapse consequences of *np* having small circuits. *SIAM J. Comput.*, 28(1):311–324, 1998.

[78] Johannes A. la Poutré and Jeffery Westbrook. Dynamic 2-connectivity with backtracking. *SIAM J. Comput.*, 28(1):10–26, 1998.

[79] Mauro Leoncini, Giovanni Manzini, and Luciano Margara. Parallel complexity of numerically accurate linear system solvers. *SIAM J. Comput.*, 28(6):2030–2058, 1999.

[80] Guo-Hui Lin, Ding-Zhu Du, Xiao-Dong Hu, and Guoliang Xue. On rearrangeability of multirate clos networks. *SIAM J. Comput.*, 28(4):1225–1231, 1999.

[81] Giuseppe Liotta, Franco P. Preparata, and Roberto Tamassia. Robust proximity queries: An illustration of degree-driven algorithm design. *SIAM J. Comput.*, 28(3):864–889, 1998-1999.

[82] Guy Louchard, Wojciech Szpankowski, and Jing Tang. Average profile of the generalized digital search tree and the generalized lempel-ziv algorithm. *SIAM J. Comput.*, 28(3):904–934, 1998-1999.

[83] Carsten Lund, Nick Reingold, Jeffery Westbrook, and Dicky Yan. Competitive on-line algorithms for distributed data management. *SIAM J. Comput.*, 28(3):1086–1111, 1998-1999.

[84] Bruce M. Maggs and Ramesh K. Sitaraman. Simple algorithms for routing on butterfly networks with bounded queues. *SIAM J. Comput.*, 28(3):984–1003, 1998-1999.

[85] Sanjeev Mahajan and H. Ramesh. Derandomizing approximation algorithms based on semidefinite programming. *SIAM J. Comput.*, 28(5):1641–1663, 1999.

[86] Kazuhisa Makino, Ken-ichi Hatanaka, and Toshihide Ibaraki. Horn extensions of a partially defined boolean function. *SIAM J. Comput.*, 28(6):2168–2186, 1999.

[87] Gregorio Malajovich and Klaus Meer. On the structure of $np_c$. *SIAM J. Comput.*, 28(1):27–35, 1998.

[88] Ueli M. Maurer and Stefan Wolf. The relationship between breaking the diffi-hellman protocol and computing discrete logarithms. *SIAM J. Comput.*, 28(5):1689–1721, 1999.

[89] Gary L. Miller and Shang-Hua Teng. The dynamic parallel complexity of computational circuits. *SIAM J. Comput.*, 28(5):1664–1688, 1999.

[90] Joseph S.B. Mitchell. Guillotine subdivisions approximate polygonal subdivisions: A simple polynomial-time approximation scheme for geometric tsp, $k$-mst, and related problems. *SIAM J. Comput.*, 28(4):1298–1309, 1999.

[91] Joseph S.B. Mitchell, Avrim Blum, Prasad Chalasani, and Santosh Vempala. A constant-factor approximation algorithm for the geometric $k$-mst problem in the plane. *SIAM J. Comput.*, 28(3):771–781, 1998-1999.

[92] Ketan Mulmuley. Lower bounds in a parallel model without bit operations. *SIAM J. Comput.*, 28(4):1460–1509, 1999.

[93] Noam Nisan, Steven Rudich, and Michael Saks. Products and help bits in decision trees. *SIAM J. Comput.*, 28(3):1035–1050, 1998-1999.

[94] D. Stott Parker and Prasad Ram. The construction of huffman codes is a submodular ("convex") optimization problem over a lattice of binary trees. *SIAM J. Comput.*, 28(5):1875–1905, 1999.

[95] Stephen Ponzio. A lower bound for integer multiplication with read-once branching programs. *SIAM J. Comput.*, 28(3):798–815, 1998-1999.

[96] Prabhakar Raghavan and Eli Upfal. Stochastic contention resolution with short delays. *SIAM J. Comput.*, 28(2):709–719, 1998.

[97] Sridhar Rajagopalan and Vijay V. Vazirani. Primal-dual *rnc* approximation algorithms for set cover and covering integer programs. *SIAM J. Comput.*, 28(2):525–540, 1998.

[98] John H. Reif. Approximate complex polynomial evaluation in near constant work per point. *SIAM J. Comput.*, 28(6):2059–2089, 1999.

[99] Ronitt Rubinfeld. On the robustness of functional equations. *SIAM J. Comput.*, 28(6):1972–1997, 1999.

[100] Alexander Schrijver. Bipartite edge coloring in $o(\delta m)$ time. *SIAM J. Comput.*, 28(3):841–846, 1998-1999.

[101] Uwe Schwiegelshohn, Walter Ludwig, Joel L. Wolf, John Turek, and Philip S. Yu. Smart smart bounds for weighted response time scheduling. *SIAM J. Comput.*, 28(1):237–253, 1998.

[102] Weiping Shi and Douglas B. West. Diagnosis of wiring networks: An optimal randomized algorithm for finding connected components of unknown graphs. *SIAM J. Comput.*, 28(5):1541–1551, 1999.

[103] Jop F. Sibeyn. Row-major sorting on meshes. *SIAM J. Comput.*, 28(3):847–863, 1998-1999.

[104] Aravind Srinivasan and David Zuckerman. Computing with very weak random sources. *SIAM J. Comput.*, 28(4):1433–1459, 1999.

[105] Ichiro Suzuki and Masafumi Yamashita. Distributed anonymous mobile robots: Formation of geometric patterns. *SIAM J. Comput.*, 28(4):1347–1363, 1999. see Erratum in SIAM J. Comput., Vol. 36, 2006, No. 1, 279-280.

[106] Maurizio Talamo and Paola Vocca. An efficient data structure for lattice operations. *SIAM J. Comput.*, 28(5):1783–1805, 1999.

[107] Prasad Tetali. Design of on-line algorithms using hitting times. *SIAM J. Comput.*, 28(4):1232–1246, 1999.

[108] Edward G. Thurber. Efficient generation of minimal length addition chains. *SIAM J. Comput.*, 28(4):1247–1263, 1999.

[109] Riccardo Torlone and Paolo Atzeni. Efficient database updates with independent schemes. *SIAM J. Comput.*, 28(3):1112–1135, 1998-1999.

[110] Joachim von zur Gathen and Igor Shparlinski. Computing components and projections of curves over finite fields. *SIAM J. Comput.*, 28(3):822–840, 1998-1999.

[111] P.G. Walsh. A polynomial time complexity bound for computations on curves. *SIAM J. Comput.*, 28(2):704–708, 1998.

[112] Jie Wang. Distributional word problem for groups. *SIAM J. Comput.*, 28(4):1264–1283, 1999.

[113] Yongge Wang. Genericity, randomness, and polynomial-time approximations. *SIAM J. Comput.*, 28(2):394–408, 1998.

[114] Yacov Yacobi. Fast exponentiation using data compression. *SIAM J. Comput.*, 28(2):700–703, 1998.

[115] Marius Zimand. Weighted *np* optimization problems: Logical definability and approximation properties. *SIAM J. Comput.*, 28(1):36–56, 1998.