References

[1] Micah Adler, John W. Byers, and Richard M. Karp. Parallel sorting with limited bandwidth. *SIAM J. Comput.*, 29(6):1997–2015, 2000.

[2] Pankaj K. Agarwal, Alon Efrat, and Micha Sharir. Vertical decomposition of shallow levels in 3-dimensional arrangements and its applications. *SIAM J. Comput.*, 29(3):912–953, 1999-2000.

[3] Pankaj K. Agarwal, Edward F. Grove, T.M. Murali, and Jeffrey Scott Vitter. Binary space partitions for fat rectangles. *SIAM J. Comput.*, 29(5):1422–1448, 2000.

[4] Alok Aggarwal, Don Coppersmith, Sanjeev Khanna, Rajeev Motwani, and Baruch Schieber. The angular-metric traveling salesman problem. *SIAM J. Comput.*, 29(3):697–711, 1999-2000.

[5] Alok Aggarwal, Jon Kleinberg, and David P. Williamson. Node-disjoint paths on the mesh and a new trade-off in vlsi layout. *SIAM J. Comput.*, 29(4):1321–1333, 2000.

[6] Manindra Agrawal and Thomas Thierauf. The formula isomorphism problem. *SIAM J. Comput.*, 30(3):990–1009, 2000.

[7] Marcos Kawazoe Aguilera, Wei Chen, and Sam Toueg. On quiescent reliable communication. *SIAM J. Comput.*, 29(6):2040–2073, 2000.

[8] Susanne Albers and Monika R. Henzinger. Exploring unknown environments. *SIAM J. Comput.*, 29(4):1164–1188, 2000.

[9] Arne Andersson, Torben Hagerup, Johan Håstad, and Ola Petersson. Tight bounds for searching a sorted array of strings. *SIAM J. Comput.*, 30(5):1552–1578, 2000.

[10] Matthew Andrews, Antonio Fernández, Mor Harchol-Balter, Tom Leighton, and Lisa Zhang. General dynamic routing with per-packet delay guarantees of $o(distance + 1/sessionrate)$. *SIAM J. Comput.*, 30(5):1594–1623, 2000.

[11] Dana Angluin, Jeffery Westbrook, and Wenhong Zhu. Robot navigation with distance queries. *SIAM J. Comput.*, 30(1):110–144, 2000.

[12] V. Arvind, R. Beigel, and A. Lozano. The complexity of modular graph automorphism. *SIAM J. Comput.*, 30(4):1299–1320, 2000.

[13] Amotz Bar-Noy, Sudipto Guha, Joseph (Seffi) Naor, and Baruch Schieber. Message multicasting in heterogeneous networks. *SIAM J. Comput.*, 30(2):347–358, 2000.

[14] Chris Barrett, Riko Jacob, and Madhav Marathe. Formal-language-constrained path problems. *SIAM J. Comput.*, 30(3):809–837, 2000.

[15] Rakesh D. Barve, Edward F. Grove, and Jeffrey Scott Vitter. Application-controlled paging for a shared cache. *SIAM J. Comput.*, 29(4):1290–1303, 2000.

[16] Frédérique Bassino, Marie-Pierre Béal, and Dominique Perrin. A finite state version of the kraft-mcmillan theorem. *SIAM J. Comput.*, 30(4):1211–1230, 2000.

[17] Michael Benedikt and Leonid Libkin. Safe constraint queries. *SIAM J. Comput.*, 29(5):1652–1682, 2000.

[18] Clifford Bergman and Giora Slutzki. Complexity of some problems concerning varieties and quasi-varieties of algebras. *SIAM J. Comput.*, 30(2):359–382, 2000.

[19] Claudia Bertram-Kretzberg, Thomas Hofmeister, and Hanno Lefmann. An algorithm for heilbronn's problem. *SIAM J. Comput.*, 30(2):383–390, 2000.

[20] Avrim Blum and Prasad Chalasani. An online algorithm for improving performance in navigation. *SIAM J. Comput.*, 29(6):1907–1938, 2000.

[21] Avrim Blum, Howard Karloff, Yuval Rabani, and Michael Saks. A decomposition theorem for task systems and bounds for randomized server problems. *SIAM J. Comput.*, 30(5):1624–1661, 2000.

[22] Jean-Daniel Boissonnat, Olivier Devillers, and Sylvain Lazard. Motion planning of legged robots. *SIAM J. Comput.*, 30(1):218–246, 2000.

[23] Jean-Daniel Boissonnat and Franco P. Preparata. Robust plane sweep for intersecting segments. *SIAM J. Comput.*, 29(5):1401–1421, 2000.

[24] Paolo Boldi and Sebastiano Vigna. Complexity of deciding sense of direction. *SIAM J. Comput.*, 29(3):779–789, 1999-2000.

[25] Maria Luisa Bonet, Juan Luis Esteban, Nicola Galesi, and Jan Johannsen. On the relative complexity of resolution refinements and cutting planes proof systems. *SIAM J. Comput.*, 30(5):1462–1484, 2000.

[26] Maria Luisa Bonet, Toniann Pitassi, and Ran Raz. On interpolation and automatization for frege systems. *SIAM J. Comput.*, 29(6):1939–1967, 2000.

[27] Ravi B. Boppana and Babu O. Narayanan. Perfect-information leader election with optimal resilience. *SIAM J. Comput.*, 29(4):1304–1320, 2000.

[28] Andreas Brandstädt, Feodor F. Dragan, and Ekkehard Köhler. Linear time algorithms for hamiltonian problems on (claw,net)-free graphs. *SIAM J. Comput.*, 30(5):1662–1677, 2000.

[29] M. Brazil, D.A. Thomas, and J.F. Weng. Minimum networks in uniform orientation metrics. *SIAM J. Comput.*, 30(5):1579–1593, 2000.

[30] Adam L. Buchsbaum, Raffaele Giancarlo, and Jeffery R. Westbrook. On the determinization of weighted finite automata. *SIAM J. Comput.*, 30(5):1502–1531, 2000.

[31] Harry Buhrman, Lance Fortnow, Dieter van Melkebeek, and Leen Torenvliet. Separating complexity classes using autoreducibility. *SIAM J. Comput.*, 29(5):1497–1520, 2000.

[32] Harry Buhrman and Leen Torenvliet. Randomness is hard. *SIAM J. Comput.*, 30(5):1485–1501, 2000.

[33] Harry Buhrman, Dieter van Melkebeek, Kenneth W. Regan, D. Sivakumar, and Martin Strauss. A generalization of resource-bounded measure, with application to the bpp vs. exp problem. *SIAM J. Comput.*, 30(2):576–601, 2000.

[34] Peter Bürgisser. The computational complexity of immanants. *SIAM J. Comput.*, 30(3):1023–1040, 2000.

[35] Peter Bürgisser. The computational complexity to evaluate representations of general linear groups. *SIAM J. Comput.*, 30(3):1010–1022, 2000.

[36] Jin-Yi Cai, Richard J. Lipton, and Yechezkel Zalcstein. The complexity of the a b c problem. *SIAM J. Comput.*, 29(6):1878–1888, 2000.

[37] Edward P.F. Chan and Ron van der Meyden. Containment and optimization of object-preserving conjunctive queries. *SIAM J. Comput.*, 29(4):1371–1400, 2000.

[38] Timothy M. Chan. Random sampling, halfspace range reporting, and construction of ($\leq k$)-levels in three dimensions. *SIAM J. Comput.*, 30(2):561–575, 2000.

[39] Danny Z. Chen, Kevin S. Klenk, and Hung-Yi T. Tu. Shortest path queries among weighted obstacles in the rectilinear plane. *SIAM J. Comput.*, 29(4):1223–1246, 2000.

[40] Zhi-Zhong Chen and Ming-Yang Kao. Reducing randomness via irrational numbers. *SIAM J. Comput.*, 29(4):1247–1256, 2000.

[41] Joseph Cheriyan and Ramakrishna Thurimella. Approximating minimum-size k-connected spanning subgraphs via matching. *SIAM J. Comput.*, 30(2):528–560, 2000.

[42] Richard Cole. On the dynamic finger conjecture for splay trees. part ii: The proof. *SIAM J. Comput.*, 30(1):44–85, 2000.

[43] Richard Cole, Martin Farach-Colton, Ramesh Hariharan, Teresa Przytycka, and Mikkel Thorup. An $o(n \log n)$ algorithm for the maximum agreement subtree problem for binary trees. *SIAM J. Comput.*, 30(5):1385–1404, 2000.

[44] Richard Cole, Bud Mishra, Jeanette Schmidt, and Alan Siegel. On the dynamic finger conjecture for splay trees. part i: Splay sorting log n-block sequences. *SIAM J. Comput.*, 30(1):1–43, 2000.

[45] Artur Czumaj, Friedhelm Meyer auf der Heide, and Volker Stemann. Contention resolution in hashing based shared memory simulations. *SIAM J. Comput.*, 29(5):1703–1739, 2000.

[46] Andrzej Czygrinow and Vojtech Rödl. An algorithmic regularity lemma for hypergraphs. *SIAM J. Comput.*, 30(4):1041–1066, 2000.

[47] Paul Dagum, Richard Karp, Michael Luby, and Sheldon Ross. An optimal algorithm for monte carlo estimation. *SIAM J. Comput.*, 29(5):1484–1496, 2000.

[48] Scott E. Decatur, Oded Goldreich, and Dana Ron. Computational sample complexity. *SIAM J. Comput.*, 29(3):854–879, 1999-2000.

[49] Xiaotie Deng, Nian Gu, Tim Brecht, and Kaicheng Lu. Preemptive scheduling of parallel jobs on multiprocessors. *SIAM J. Comput.*, 30(1):145–160, 2000.

[50] Luc Devroye, Jean Jabbour, and Carlos Zamora-Cura. Squarish $k-d$ trees. *SIAM J. Comput.*, 30(5):1678–1700, 2000.

[51] Yefim Dinitz and Alek Vainshtein. The general structure of edge-connectivity of a vertex subset in a graph and its incremental maintenance. odd case. *SIAM J. Comput.*, 30(3):753–808, 2000.

[52] Danny Dolev, Cynthia Dwork, and Moni Naor. Nonmalleable cryptography. *SIAM J. Comput.*, 30(2):391–437, 2000.

[53] Shlomi Dolev, Evangelos Kranakis, Danny Krizanc, and David Peleg. Bubbles: Adaptive routing scheme for high-speed dynamic networks. *SIAM J. Comput.*, 29(3):804–833, 1999-2000.

[54] Dorit Dor, Shay Halperin, and Uri Zwick. All-pairs almost shortest paths. *SIAM J. Comput.*, 29(5):1740–1759, 2000.

[55] Martin E. Dyer and Sandeep Sen. Fast and optimal parallel multi-dimensional search in prams with applications to linear programming and related problems. *SIAM J. Comput.*, 30(5):1443–1461, 2000.

[56] Funda Ergün, S. Ravi Kumar, and D. Sivakumar. Self-testing without the generator bottleneck. *SIAM J. Comput.*, 29(5):1630–1651, 2000.

[57] Jeff Erickson. Space-time tradeoffs for emptiness queries. *SIAM J. Comput.*, 29(6):1968–1996, 2000.

[58] Oren Etzioni, Steve Hanks, Tao Jiang, and Omid Madani. Optimal information gathering on the internet with time and cost constraints. *SIAM J. Comput.*, 29(5):1596–1620, 2000.

[59] Guy Even, Joseph (Seffi) Naor, and Leonid Zosin. An 8-approximation algorithm for the subset feedback vertex set problem. *SIAM J. Comput.*, 30(4):1231–1252, 2000.

[60] Uriel Feige and Joe Kilian. Two-prover protocols — low error at affordable rates. *SIAM J. Comput.*, 30(1):324–346, 2000.

[61] Amos Fiat and Moni Naor. Rigorous time/space trade-offs for inverting functions. *SIAM J. Comput.*, 29(3):790–803, 1999-2000.

[62] Harold N. Gabow and Tibor Jordán. How to make a square grid framework with cables rigid. *SIAM J. Comput.*, 30(2):649–680, 2000.

[63] Giorgio Gambosi, Alberto Postiglione, and Maurizio Talamo. Algorithms for the relaxed online bin-packing model. *SIAM J. Comput.*, 30(5):1532–1551, 2000.

[64] Bruno Gaujal, Alain Jean-Marie, and Jean Mairesse. Computations of uniform recurrence equations using minimal memory size. *SIAM J. Comput.*, 30(5):1701–1738, 2000.

[65] Leslie Ann Goldberg and Mark Jerrum. Randomly sampling molecules. *SIAM J. Comput.*, 29(3):834–853, 1999-2000.

[66] Oded Goldreich and Shmuel Safra. A combinatorial consistency lemma with application to proving the *pcp* theorem. *SIAM J. Comput.*, 29(4):1132–1154, 2000.

[67] David Greenhalgh and Stephen Marshall. Convergence criteria for genetic algorithms. *SIAM J. Comput.*, 30(1):269–282, 2000.

[68] Michelangelo Grigni, Vincent Mirelli, and Christos H. Papadimitriou. On the difficulty of designing good classifiers. *SIAM J. Comput.*, 30(1):318–323, 2000.

[69] Vince Grolmusz and Gábor Tardos. Lower bounds for $(mod_p - mod_m)$ circuits. *SIAM J. Comput.*, 29(4):1209–1222, 2000.

[70] Xiaoxu Han, Suely Oliveira, and David Stewart. Finding sets covering a point with application to mesh-free galerkin methods. *SIAM J. Comput.*, 30(4):1368–1383, 2000.

[71] Sariel Har-Peled. Constructing planar cuttings in theory and practice. *SIAM J. Comput.*, 29(6):2016–2039, 2000.

[72] Xin He, Ming-Yang Kao, and Hsueh-I Lu. A fast general methodology for information-theoretically optimal encodings of graphs. *SIAM J. Comput.*, 30(3):838–846, 2000.

[73] Monika R. Henzinger. Improved data structures for fully dynamic biconnectivity. *SIAM J. Comput.*, 29(6):1761–1815, 2000.

[74] Amir Herzberg and Shay Kutten. Early detection of message forwarding faults. *SIAM J. Comput.*, 30(4):1169–1196, 2000.

[75] Prasad Jayanti, King Tan, and Sam Toueg. Time and space lower bounds for nonblocking implementations. *SIAM J. Comput.*, 30(2):438–456, 2000.

[76] Ming-Yang Kao, Tak-Wah Lam, Wing-Kin Sung, and Hing-Fung Ting. Cavity matchings, label compressions, and unrooted evolutionary trees. *SIAM J. Comput.*, 30(2):602–624, 2000.

[77] Ming-Yang Kao and Jie Wang. Linear-time approximation algorithms for computing numerical summation with provably small errors. *SIAM J. Comput.*, 29(5):1568–1576, 2000.

[78] Haim Kaplan, Chris Okasaki, and Robert E. Tarjan. Simple confluently persistent catenable lists. *SIAM J. Comput.*, 30(3):965–977, 2000.

[79] Haim Kaplan, Ron Shamir, and Robert E. Tarjan. A faster and simpler algorithm for sorting signed permutations by reversals. *SIAM J. Comput.*, 29(3):880–892, 1999-2000.

[80] Sanjiv Kapoor. Dynamic maintenance of maxima of 2-d point sets. *SIAM J. Comput.*, 29(6):1858–1877, 2000.

[81] Sanjiv Kapoor and S.N. Maheshwari. Efficiently constructing the visibility graph of a simple polygon with obstacles. *SIAM J. Comput.*, 30(3):847–871, 2000.

[82] Anna R. Karlin, Steven J. Phillips, and Prabhakar Raghavan. Markov paging. *SIAM J. Comput.*, 30(3):906–922, 2000.

[83] Sanjeev Khanna and Vincenzo Liberatore. On broadcast disk paging. *SIAM J. Comput.*, 29(5):1683–1702, 2000.

[84] Joe Kilian, Eyal Kushilevitz, Silvio Micali, and Rafail Ostrovsky. Reducibility and completeness in private computations. *SIAM J. Comput.*, 29(4):1189–1208, 2000.

[85] Tracy Kimbrel and Anna R. Karlin. Near-optimal parallel prefetching and caching. *SIAM J. Comput.*, 29(4):1051–1082, 2000.

[86] Jon Kleinberg, Yuval Rabani, and Éva Tardos. Allocating bandwidth for bursty connections. *SIAM J. Comput.*, 30(1):191–217, 2000.

[87] Charles Knessl and Wojciech Szpankowski. Asymptotic behavior of the height in a digital search tree and the longest phrase of the lempel-ziv scheme. *SIAM J. Comput.*, 30(3):923–964, 2000.

[88] Gilad Koren, Emanuel Dar, and Amihood Amir. The power of migration in multiprocessor scheduling of real-time systems. *SIAM J. Comput.*, 30(2):511–527, 2000.

[89] S. Rao Kosaraju and Giovanni Manzini. Compression of low entropy strings with lempel-ziv algorithms. *SIAM J. Comput.*, 29(3):893–911, 1999-2000.

[90] Elias Koutsoupias and Christos H. Papadimitriou. Beyond competitive analysis. *SIAM J. Comput.*, 30(1):300–317, 2000.

[91] Eyal Kushilevitz, Rafail Ostrovsky, and Yuval Rabani. Efficient search for approximate nearest neighbor in high dimensional spaces. *SIAM J. Comput.*, 30(2):457–474, 2000.

[92] Shay Kutten and David Peleg. Tight fault locality. *SIAM J. Comput.*, 30(1):247–268, 2000.

[93] Han la Poutré. Maintenance of 2- and 3-edge-connected components of graphs ii. *SIAM J. Comput.*, 29(5):1521–1549, 2000.

[94] Håkan Lennerstad and Lars Lundberg. Optimal combinatorial functions comparing multiprocess allocation performance in multiprocessor systems. *SIAM J. Comput.*, 29(6):1816–1838, 2000.

[95] Håkan Lennerstad and Lars Lundberg. Optimal worst case formulas comparing cache memory associativity. *SIAM J. Comput.*, 30(3):872–905, 2000.

[96] Mark Levene and George Loizou. Navigation in hypertext is easy only sometimes. *SIAM J. Comput.*, 29(3):728–760, 1999-2000.

[97] Wei-Liang Lin, Amir H. Farrahi, and M. Sarrafzadeh. On the power of logic resynthesis. *SIAM J. Comput.*, 29(4):1257–1289, 2000.

[98] Wai-Kau Lo and Vassos Hadzilacos. All of us are smarter than any of us: Nondeterministic wait-free hierarchies are not robust. *SIAM J. Comput.*, 30(3):689–728, 2000.

[99] Jack H. Lutz and Yong Zhao. The density of weakly complete problems under adaptive reductions. *SIAM J. Comput.*, 30(4):1197–1210, 2000.

[100] Bin Ma, Ming Li, and Louxin Zhang. From gene trees to species trees. *SIAM J. Comput.*, 30(3):729–752, 2000.

[101] Ioan I. Macarie. On the structure of logspace probabilistic complexity classes. *SIAM J. Comput.*, 29(3):987–1007, 1999-2000.

[102] Dahlia Malkhi, Michael K. Reiter, and Avishai Wool. The load and availability of byzantine quorum systems. *SIAM J. Comput.*, 29(6):1889–1906, 2000.

[103] Silvio Micali. Computationally sound proofs. *SIAM J. Comput.*, 30(4):1253–1298, 2000.

[104] Ruy Luiz Milidiú and Eduardo Sany Laber. The warm-up algorithm: A lagrangian construction of length restricted huffman codes. *SIAM J. Comput.*, 30(5):1405–1426, 2000.

[105] Scott A. Mitchell and Stephen A. Vavasis. Quality mesh generation in higher dimensions. *SIAM J. Comput.*, 29(4):1334–1370, 2000.

[106] F.K. Miyazawa and Y. Wakabayashi. Approximation algorithms for the orthogonal z-oriented three-dimensional packing problem. *SIAM J. Comput.*, 29(3):1008–1029, 1999-2000.

[107] Giri Narasimhan and Michiel Smid. Approximating the stretch factor of euclidean graphs. *SIAM J. Comput.*, 30(3):978–989, 2000.

[108] Assaf Natanzon, Ron Shamir, and Roded Sharan. A polynomial approximation algorithm for the minimum fill-in problem. *SIAM J. Comput.*, 30(4):1067–1079, 2000.

[109] B. Natarajan. On learning functions from noise-free and noisy samples via occam's razor. *SIAM J. Comput.*, 29(3):712–727, 1999-2000.

[110] Leszek Pacholski, Wiesław Szwast, and Lidia Tendera. Complexity results for first-order two-variable logic with counting. *SIAM J. Comput.*, 29(4):1083–1117, 2000.

[111] Victor Y. Pan. Parallel complexity of computations with general and toeplitz-like matrices filled with integers and extensions. *SIAM J. Comput.*, 30(4):1080–1125, 2000.

[112] David Peleg and Vitaly Rubinovich. A near-tight lower bound on the time complexity of distributed minimum-weight spanning tree construction. *SIAM J. Comput.*, 30(5):1427–1442, 2000.

[113] Andrea Pietracaprina, Geppino Pucci, and Jop F. Sibeyn. Constructive, deterministic implementation of shared memory on meshes. *SIAM J. Comput.*, 30(2):625–648, 2000.

[114] Sridhar Rajagopalan and Leonard J. Schulman. Verification of identities. *SIAM J. Comput.*, 29(4):1155–1163, 2000.

[115] John H. Reif and Hongyan Wang. Nonuniform discretization for kinodynamic motion planning and its applications. *SIAM J. Comput.*, 30(1):161–190, 2000.

[116] Klaus Reinhardt and Eric Allender. Making nondeterminism unambiguous. *SIAM J. Comput.*, 29(4):1118–1131, 2000.

[117] Eric Ruppert. Determining consensus numbers. *SIAM J. Comput.*, 30(4):1156–1168, 2000.

[118] Michael Saks and Fotios Zaharoglou. Wait-free k-set agreement is impossible: The topology of public knowledge. *SIAM J. Comput.*, 29(5):1449–1483, 2000.

[119] Christian Scheideler and Berthold Vöcking. From static to dynamic routing: Efficient transformations of store-and-forward protocols. *SIAM J. Comput.*, 30(4):1126–1155, 2000.

[120] Jürgen Sellen, Joonsoo Choi, and Chee-Keng Yap. Precision-sensitive euclidean shortest path in 3-space. *SIAM J. Comput.*, 29(5):1577–1595, 2000.

[121] Nah-Oak Song and Demosthenis Teneketzis. On a conjecture by coffman, flatto, and wright on stochastic machine minimization. *SIAM J. Comput.*, 30(2):681–687, 2000.

[122] Ladislav Stacho and Imrich Vrťo. Virtual path layouts in atm networks. *SIAM J. Comput.*, 29(5):1621–1629, 2000.

[123] Z. Sweedyk. A $2\frac{1}{2}$-approximation algorithm for shortest superstring. *SIAM J. Comput.*, 29(3):954–986, 1999-2000.

[124] Mikkel Thorup. On ram priority queues. *SIAM J. Comput.*, 30(1):86–109, 2000.

[125] Luca Trevisan. When hamming meets euclid: The approximability of geometric tsp and steiner tree. *SIAM J. Comput.*, 30(2):475–485, 2000.

[126] Luca Trevisan, Gregory B. Sorkin, Madhu Sudan, and David P. Williamson. Gadgets, approximation, and linear programming. *SIAM J. Comput.*, 29(6):2074–2097, 2000.

[127] Kasturi R. Varadarajan and Pankaj K. Agarwal. Approximating shortest paths on a nonconvex polyhedron. *SIAM J. Comput.*, 30(4):1321–1340, 2000.

[128] George Varghese. Self-stabilization by counter flushing. *SIAM J. Comput.*, 30(2):486–510, 2000.

[129] Millist W. Vincent and Mark Levene. Restructuring partitioned normal form relations without information loss. *SIAM J. Comput.*, 29(5):1550–1567, 2000.

[130] Joachim von zur Gathen and Igor E. Shparlinski. The crew pram complexity of modular inversion. *SIAM J. Comput.*, 29(6):1839–1857, 2000.

[131] Lusheng Wang, Tao Jiang, and Dan Gusfield. A more efficient approximation scheme for tree alignment. *SIAM J. Comput.*, 30(1):283–299, 2000.

[132] Dan E. Willard. Examining computational geometry, van emde boas trees, and hashing from the perspective of the fusion tree. *SIAM J. Comput.*, 29(3):1030–1049, 1999-2000.

[133] Bang Ye Wu, Giuseppe Lancia, Vineet Bafna, Kun-Mao Chao, R. Ravi, and Chuan Yi Tang. A polynomial-time approximation scheme for minimum routing cost spanning trees. *SIAM J. Comput.*, 29(3):761–778, 1999-2000.