References

[1] Naim Abdullah and Jie-Yong Juang. Concurrent query processing for logic inference using the connection graph. *J. Parallel Distrib. Comput.*, 17(4):282–297, 1993.

[2] Marc Abrams, Vasant Sanjeevan, and Debra S. Richardson. Termination and output measure generation in parallel simulations. *J. Parallel Distrib. Comput.*, 18(4):454–472, 1993.

[3] Farid Ahmed and Abdul Ahad S. Awwal. An adaptive opto-electronic neural network for associative pattern retrieval. *J. Parallel Distrib. Comput.*, 17(3):245–250, 1993.

[4] Ian F. Akyildiz, Liang Chen, Samir Ranjan Das, Richard M. Fujimoto, and Richard F. Serfozo. The effect of memory capacity on time warp performance. *J. Parallel Distrib. Comput.*, 18(4):411–422, 1993.

[5] M.S. Alam and M.A. Karim. Real-time optical arithmetic/logical processing. *J. Parallel Distrib. Comput.*, 17(3):251–258, 1993.

[6] John K. Antonio and Richard C. Metzger. Hypersphere mapper: A nonlinear programming approach to the hypercube embedding problem. *J. Parallel Distrib. Comput.*, 19(3):262–270, 1993.

[7] Rassul Ayani and Boris Berkman. Parallel discrete event simulation on simd computers. *J. Parallel Distrib. Comput.*, 18(4):501–508, 1993.

[8] Amnon Barak and Ron Ben-Natan. Bounded contractions of full trees. *J. Parallel Distrib. Comput.*, 17(4):363–369, 1993.

[9] Thomas Bemmerl and Peter Braun. Visualization of message passing parallel programs with the topsys parallel programming environment. *J. Parallel Distrib. Comput.*, 18(2):118–128, 1993.

[10] Lubomir Bic and Mayez Al-Mouhamed. The em-4 under implicit parallelism. *J. Parallel Distrib. Comput.*, 19(3):255–261, 1993.

[11] A.P. Willem Böhm and Robert E. Hiromoto. The dataflow time and space complexity of ffts. *J. Parallel Distrib. Comput.*, 18(3):301–313, 1993.

[12] Theodore Brown and Renbing Xiong. A parallel quicksort algorithm. *J. Parallel Distrib. Comput.*, 19(2):83–89, 1993.

[13] Wentong Cai, Wendy J. Milne, and Stephen J. Turner. Graphical views of the behavior of parallel programs. *J. Parallel Distrib. Comput.*, 18(2):223–230, 1993.

[14] Thomas L. Casavant. Tools and methods for visualization of parallel systems and computations. *J. Parallel Distrib. Comput.*, 18(2):103–104, 1993.

[15] Mee Yee Chan and Shiang-Jen Lee. Fault-tolerant permutation routing in hypercubes. *J. Parallel Distrib. Comput.*, 17(4):277–281, 1993.

[16] Yi-Chieh Chang and Kang G. Shin. Optimal load sharing in distributed real-time systems. *J. Parallel Distrib. Comput.*, 19(1):38–50, 1993.

[17] Kam Hoi Cheng and Qingzhou Wang. A simultaneous access design for idle processor reactivation and the detection of the termination of a parallel activity. *J. Parallel Distrib. Comput.*, 17(4):370–373, 1993.

[18] Hyeong-Ah Choi and B. Narahari. Efficient algorithms for mapping and partitioning a class of parallel computations. *J. Parallel Distrib. Comput.*, 19(4):349–363, 1993.

[19] Sang Bang Choi and Arun K. Somani. Rearrangeable circuit-switched hypercube architectures for routing permutations. *J. Parallel Distrib. Comput.*, 19(2):125–130, 1993.

[20] Alva L. Couch. Categories and context in scalable execution visualization. *J. Parallel Distrib. Comput.*, 18(2):195–204, 1993.

[21] David E. Culler, Seth Copen Goldstein, Klaus Erik Schauser, and Thorsten von Eicken. Tam—a compiler controlled threaded abstract machine. *J. Parallel Distrib. Comput.*, 18(3):347–370, 1993.

[22] Adair Dingle and I. Hal Sudborough. Simulation of binary trees and x-trees on pyramid networks. *J. Parallel Distrib. Comput.*, 19(2):119–124, 1993.

[23] Marco Ferretti. The generalized hough transform on mesh-connected computers. *J. Parallel Distrib. Comput.*, 19(1):51–57, 1993.

[24] Joan M. Francioni and Jay Alan Jackson. Breaking the silence: Auralization of parallel program behavior. *J. Parallel Distrib. Comput.*, 18(2):181–194, 1993.

[25] G.R. Gao. An efficient hybrid dataflow architecture model. *J. Parallel Distrib. Comput.*, 19(4):293–307, 1993.

[26] Bruno Gaujal, Albert G. Greenberg, and David M. Nicol. A sweep algorithm for massively parallel simulation of circuit-switched networks. *J. Parallel Distrib. Comput.*, 18(4):484–500, 1993.

[27] Cécile Germain, Jean-Luc Béchennec, Daniel Etiemble, and Jean-Paul Sansonnet. A communication architecture for a massively parallel message-passing multicomputer. *J. Parallel Distrib. Comput.*, 19(4):338–348, 1993.

[28] D.H. Gill, T.J. Smith, T.E. Gerasch, J.V. Warren, C.L. McCreary, and R.E.K. Stirewalt. Spatial-temporal analysis of program dependence graphs for useful parallelism. *J. Parallel Distrib. Comput.*, 19(2):103–118, 1993.

[29] Dechang Gu, D.J. Rosenkrantz, and S.S. Ravi. Determining performance measures of algorithm-based fault tolerant systems. *J. Parallel Distrib. Comput.*, 18(1):56–70, 1993.

[30] Aloke Guha and Julian Bristow. Designing optical networks from simple switching elements. *J. Parallel Distrib. Comput.*, 17(3):212–221, 1993.

[31] Ajay Gupta, Steven C. Bruell, and Sukumar Ghosh. Mutual exclusion on a hypercube. *J. Parallel Distrib. Comput.*, 17(4):327–336, 1993.

[32] Ajay K. Gupta and Susanne E. Hambrusch. Multiple network embeddings into hypercubes. *J. Parallel Distrib. Comput.*, 19(2):73–82, 1993.

[33] Anshul Gupta and Vipin Kumar. Performance properties of large scale parallel systems. *J. Parallel Distrib. Comput.*, 19(3):234–244, 1993.

[34] James Hicks, Derek Chiou, Boon Seong Ang, and Arvind. Performance studies of id on the monsoon dataflow system. *J. Parallel Distrib. Comput.*, 18(3):273–300, 1993.

[35] X. Hu, S.C. Bass, and R.G. Harber. An efficient implementation of singular value decomposition rotation transformations with cordic processors. *J. Parallel Distrib. Comput.*, 17(4):360–362, 1993.

[36] C.-H. Huang and P. Sadayappan. Communication-free hyperplane partitioning of nested loops. *J. Parallel Distrib. Comput.*, 19(2):90–102, 1993.

[37] Oscar H. Ibarra and Myung Hee Kim. Quadtree building algorithms on an simd hypercube. *J. Parallel Distrib. Comput.*, 18(1):71–76, 1993.

[38] Darin Johnson and Francine Berman. Performance of the efficient data-driven evaluation scheme. *J. Parallel Distrib. Comput.*, 18(3):340–346, 1993.

[39] Adam Kapralski. New methods for the generation of permutations, combinations, and other combinatorial objects in parallel. *J. Parallel Distrib. Comput.*, 17(4):315–326, 1993.

[40] A. Kavianpour. A new measure in system-level diagnosis of hypercubes. *J. Parallel Distrib. Comput.*, 19(4):372–378, 1993.

[41] James Kohn and Winifred Williams. Atexpert. *J. Parallel Distrib. Comput.*, 18(2):205–222, 1993.

[42] Eileen Kraemer and John T. Stasko. The visualization of parallel systems: An overview. *J. Parallel Distrib. Comput.*, 18(2):105–117, 1993.

[43] Mark Vincent LaPolla, Joseph L. Sharnowski, Betty H.C. Cheng, and Kevin Anderson. Data parallel program visualizations from formal specifications. *J. Parallel Distrib. Comput.*, 18(2):252–257, 1993.

[44] C. Lee, H. Lam, and S.Y.W. Su. An object flow computer for database applications: Design and performance evaluation. *J. Parallel Distrib. Comput.*, 17(4):298–314, 1993.

[45] Kyungsook Y. Lee, Hyunsoo Yoon, and Ming T. Liu. Performance evaluation of a class of multipath packet switching interconnection networks. *J. Parallel Distrib. Comput.*, 17(4):353–359, 1993.

[46] W.B. Ligon III and U. Ramachandran. An empirical methodology for exploring reconfigurable architectures. *J. Parallel Distrib. Comput.*, 19(4):323–337, 1993.

[47] Jiajen M. Lin and Santosh G. Abraham. Utilizing global simulation information in conservative parallel simulation on shared memory multiprocessors. *J. Parallel Distrib. Comput.*, 18(4):516–523, 1993.

[48] Mengjou Lin, Rose P. Tsang, David H.C. Du, Alan E. Klietz, and Stephen Saroff. Performance characteristics of the connenction machine hypertree network. *J. Parallel Distrib. Comput.*, 19(3):245–254, 1993.

[49] Yen-Chun Lin. Perfectly overlapped generation of long runs for sorting large files. *J. Parallel Distrib. Comput.*, 19(2):136–142, 1993.

[50] Yi-Bing Lin. On terminating a distributed discrete event simulation. *J. Parallel Distrib. Comput.*, 19(4):364–371, 1993.

[51] Eva Ma and Lixin Tao. Embedding among meshes and tori. *J. Parallel Distrib. Comput.*, 18(1):44–55, 1993.

[52] Vijay K. Madisetti, David A. Hardaker, and Richard M. Fujimoto. The mimdix environment for parallel simulation. *J. Parallel Distrib. Comput.*, 18(4):473–483, 1993.

[53] Serge M. Manning and David G. Meyer. Analysis of asynchronous execution streams with i-caching in massively parallel systems. *J. Parallel Distrib. Comput.*, 19(3):279–291, 1993.

[54] Friedemann Mattern. Efficient algorithms for distributed snapshots and global virtual time approximation. *J. Parallel Distrib. Comput.*, 18(4):423–434, 1993.

[55] Ernst W. Mayr and C. Greg Plaxton. Pipelined parallel prefix computations, and sorting on a pipelined hypercube. *J. Parallel Distrib. Comput.*, 17(4):374–380, 1993.

[56] Rami Melhem and Donald Chiarulli. Optical computing and interconnection systems. *J. Parallel Distrib. Comput.*, 17(3):185–187, 1993.

[57] Barton P. Miller. What to draw? when to draw? an essay on parallel program visualization. *J. Parallel Distrib. Comput.*, 18(2):265–269, 1993.

[58] Pericles A. Mitkas and P. Bruce Berra. Phoebus: An optoelectronic database machine based on parallel optical disks. *J. Parallel Distrib. Comput.*, 17(3):230–244, 1993.

[59] Miles Murdocca and Vipul Gupta. Architectural implications of reconfigurable optical interconnects. *J. Parallel Distrib. Comput.*, 17(3):200–211, 1993.

[60] Walid A. Najjar, A.P. Wim Böhm, and W. Marcus Miller. A quantitative analysis of dataflow program execution—preliminaries to a hybrid design. *J. Parallel Distrib. Comput.*, 18(3):314–326, 1993.

[61] Ashwini K. Nanda and Laxmi N. Bhuyan. Efficient mapping of applications on cache based multiprocessors. *J. Parallel Distrib. Comput.*, 19(3):179–191, 1993.

[62] David Nassimi and Yuh-Dong Tsai. An efficient implementation of batcher's odd-even merge on a simd hypercube. *J. Parallel Distrib. Comput.*, 19(1):58–63, 1993.

[63] Venkat Natarajan, Derekt Chiou, and Boon Seong Ang. Performance visualization on monsoon. *J. Parallel Distrib. Comput.*, 18(2):169–180, 1993.

[64] Wayne G. Nation, Anthony A. Maciejewski, and Howard Jay Siegel. A methodology for exploiting concurrency among independent tasks in partitionable parallel processing systems. *J. Parallel Distrib. Comput.*, 19(3):271–278, 1993.

[65] David M. Nicol and Philip Heidelberger. Optimistic parallel simulation of continuous time markov chains using uniformization. *J. Parallel Distrib. Comput.*, 18(4):395–410, 1993.

[66] Yoram Ofek and Moshe Sidi. Design and analysis of a hybrid access control to an optical star using wdm. *J. Parallel Distrib. Comput.*, 17(3):259–265, 1993.

[67] Krishnan Padmanabhan. A shuffle-based alternative to the adm interconnection architecture. *J. Parallel Distrib. Comput.*, 18(1):14–24, 1993.

[68] Haesun Park and L. Magnus Ewerbring. An algorithm for the generalized singular value decomposition on massively parallel computers. *J. Parallel Distrib. Comput.*, 17(4):267–276, 1993.

[69] Jih-Kwon Peir and Yann-Hang Lee. Look-ahead routing switches for multistage interconnection networks. *J. Parallel Distrib. Comput.*, 19(1):1–10, 1993.

[70] Dar-Tzen Peng and Kang G. Shin. A new performance measure for scheduling independent real-time tasks. *J. Parallel Distrib. Comput.*, 19(1):11–26, 1993.

[71] Ravi Ponnusamy, Rajeev Thakur, Alok Choudhary, Kishore Velamakanni, Zeki Bozkus, and Geoffrey Fox. Experimental performance evaluation of the cm-5. *J. Parallel Distrib. Comput.*, 19(3):192–202, 1993.

[72] Sushil Prasad. Efficient and scalable pram algorithms for discrete-event simulation of bounded degree networks. *J. Parallel Distrib. Comput.*, 18(4):524–530, 1993.

[73] Sanjay Ranka, Jhy-Chun Wang, and Nangkang Yeh. Embedding meshes on the star graph. *J. Parallel Distrib. Comput.*, 19(2):131–135, 1993.

[74] Jr. Reynolds, Paul F., Carmen M. Pancerella, and Sudhir Srinivasan. Design and performance analysis of hardware support for parallel simulations. *J. Parallel Distrib. Comput.*, 18(4):435–453, 1993.

[75] Diane T. Rover and Jr. Wright, Charles T. Visualizing the performance of spmd and data-parallel programs. *J. Parallel Distrib. Comput.*, 18(2):129–146, 1993.

[76] Gene Saghi, Howard Jay Siegel, and Jeffery L. Gray. Predicting performance and selecting modes of parallelism: A case study using cyclic reduction on three parallel machines. *J. Parallel Distrib. Comput.*, 19(3):219–233, 1993.

[77] Sekhar R. Sarukkai and Dennis Gannon. Sieve: A performance debugging environment for parallel programs. *J. Parallel Distrib. Comput.*, 18(2):147–168, 1993.

[78] Sekhar R. Sarukkai, Doug Kimelman, and Larry Rudolph. A methodology for visualizing performance of loosely synchronous programs. *J. Parallel Distrib. Comput.*, 18(2):242–251, 1993.

[79] Mukesh Singhal. A taxonomy of distributed mutual exclusion. *J. Parallel Distrib. Comput.*, 18(1):94–101, 1993.

[80] D.B. Skillicorn and D.T. Barnard. Compiling in parallel. *J. Parallel Distrib. Comput.*, 17(4):337–352, 1993.

[81] Tapas K. Som and Robert G. Sargent. A new process to processor assignment criterion for reducing rollbacks in optimistic simulation. *J. Parallel Distrib. Comput.*, 18(4):509–515, 1993.

[82] Q. Wang Song, Salim Hariri, and Alok Choudhary. Design and analysis of an optical communications processor. *J. Parallel Distrib. Comput.*, 17(3):222–229, 1993.

[83] John T. Stasko and Eileen Kraemer. A methodology for building application-specific visualizations of parallel programs. *J. Parallel Distrib. Comput.*, 18(2):258–264, 1993.

[84] James Edward Steck, Bruce McMillin, K. Krishnamurthy, and Gary G. Leininger. Parallel implementation of a recursive least-squares neural network training method on the intel ipsc/2. *J. Parallel Distrib. Comput.*, 18(1):89–93, 1993.

[85] Thomas Lawrence Sterling and Jeffrey M. Arnold. Fine grain dataflow computation without tokens for balanced execution. *J. Parallel Distrib. Comput.*, 18(3):327–339, 1993.

[86] Xian-He Sun and Lionel M. Ni. Scalable problems and memory-bounded speedup. *J. Parallel Distrib. Comput.*, 19(1):27–37, 1993.

[87] S.K. Tewksbury, L.A. Hornak, H.E. Nariman, S.M. Langsjoen, N.J. Hall, J.J. Hall, and S.P. McGinnis. Toward cointegration of optical interconnections within silicon microelectronic systems. *J. Parallel Distrib. Comput.*, 17(3):188–199, 1993.

[88] Nian-Feng Tzeng. A reliable cube-connected cycles structure. *J. Parallel Distrib. Comput.*, 19(1):64–71, 1993.

[89] Sriram Vajapeyam and Wei-Chung Hsu. Toward effective scalar hardware for highly vectorizable applications. *J. Parallel Distrib. Comput.*, 19(3):147–162, 1993.

[90] A.S. Wagner. Embedding all binary trees in the hypercube. *J. Parallel Distrib. Comput.*, 18(1):33–43, 1993.

[91] Shlomit Weiss, Ilan Y. Spillinger, and Gabriel M. Silberman. Architectural improvements for a data-driven vlsi processing array. *J. Parallel Distrib. Comput.*, 19(4):308–322, 1993.

[92] Richard M. Wolski and John T. Feo. Program partitioning for numa multiprocessor computer systems. *J. Parallel Distrib. Comput.*, 19(3):203–218, 1993.

[93] Peter B. Worland. Parallel methods for odes with improved absolute stability boundaries. *J. Parallel Distrib. Comput.*, 18(1):25–32, 1993.

[94] Jian Xu and Kai Hwang. Heuristic methods for dynamic load balancing in a message-passing multicomputer. *J. Parallel Distrib. Comput.*, 18(1):1–13, 1993.

[95] Qing Yang. Performance of cache memories for vector computers. *J. Parallel Distrib. Comput.*, 19(3):163–178, 1993.

[96] Helene Young-Myers and Louiqa Raschid. An experimental study of three dataflow paradigms in multithreaded database transitive closure algorithms on shared memory multiprocessors. *J. Parallel Distrib. Comput.*, 18(3):371–389, 1993.

[97] Bernard P. Zeigler and Ahmed Louri. A simulation environment for intelligent machine architectures. *J. Parallel Distrib. Comput.*, 18(1):77–88, 1993.

[98] Xiaodong Zhang, Naga S. Nalluri, and Xiaohan Qin. Min-graph: A tool for monitoring and visualizing min-based multiprocessor performance. *J. Parallel Distrib. Comput.*, 18(2):231–241, 1993.