References

[1] Amir Averbuch, Eran Gabber, Boaz Gordissky, and Yoav Medan. A parallel fft on an mimd machine. *Parallel Computing*, 15(1-3):61–74, 1990.

[2] M.A. Baker, K.C. Bowler, and R.D. Kenway. Mimd implementations of linear solvers for oil reservoir simulation. *Parallel Computing*, 16(2-3):313–334, 1990.

[3] Abdelhamid Benaini and Yves Robert. Spacetime-minimal systolic arrays for gaussian elimination and the algebraic path problem. *Parallel Computing*, 15(1-3):211–225, 1990.

[4] Christian H. Bischof and Henry Strauss. 1st european workshop on hypercube and distributed computers. *Parallel Computing*, 13(1):127–129, 1990.

[5] U. Block, A. Frommer, and G. Mayer. Block colouring schemes for the sor method on local memory parallel computers. *Parallel Computing*, 14(1):61–75, 1990.

[6] L. Bomans, D. Roose, and R. Hempel. The argonne/gmd macros in fortran for portable parallel programming and their implementation on the intel ipsc/2. *Parallel Computing*, 15(1-3):119–132, 1990.

[7] J. Boreddy and A. Paulraj. On the performance of transputer arrays for dense linear systems. *Parallel Computing*, 15(1-3):107–117, 1990.

[8] L. Brugnano and M. Marrone. Vectorization of some block preconditioned conjugate gradient methods. *Parallel Computing*, 14(2):191–198, 1990.

[9] Kevin Burrage. An adaptive numerical integration code for a chain of transputers. *Parallel Computing*, 16(2-3):305–312, 1990.

[10] P. Carnevali and M. Kindelan. A simplified model to predict the performance of fortran vector loops on the ibm 3090/vf. *Parallel Computing*, 13(1):35–46, 1990.

[11] Gen-Huey Chen, Maw-Sheng Chern, and Jin-Hwang Jang. Pipeline architectures for dynamic programming algorithms. *Parallel Computing*, 13(1):111–117, 1990.

[12] Gen-Huey Chen, Hong-Fa Ho, Shieu-Hong Lin, and Jang-Ping Sheu. Data mapping of linear programming on fixed-size hypercubes. *Parallel Computing*, 13(2):235–243, 1990.

[13] John M. Conroy. Parallel nested dissection. *Parallel Computing*, 16(2-3):139–156, 1990.

[14] Michel Cosnard and Pierre Fraigniaud. Finding the roots of a polynomial on an mimd multicomputer. *Parallel Computing*, 15(1-3):75–85, 1990.

[15] M.C. Counilh and J. Roman. Expression for massively parallel algorithms — description and illustrative example. *Parallel Computing*, 16(2-3):239–251, 1990.

[16] Manoel Fernando da Mota Tenorio. Topology synthesis networks: Self oraganization of structure and weight adjustment as a learning paradigm. *Parallel Computing*, 14(3):363–380, 1990.

[17] J. Dantas De Melo, J.L. Calvet, and J.M. Garcia. Vectorization and multitasking of dynamic programming in control: Experiments on a cray-2. *Parallel Computing*, 13(3):261–269, 1990.

[18] Sajal K. Das, Narsingh Deo, and Sushil Prasad. Parallel graph algorithms for hypercube computers. *Parallel Computing*, 13(2):143–158, 1990.

[19] Sajal K. Das, Narsingh Deo, and Sushil Prasad. Two minimum spanning forest algorithms on fixed-size hypercube computers. *Parallel Computing*, 15(1-3):179–187, 1990.

[20] S.R. Das, N.H. Vaidya, L.M. Patnaik, and P.C. Mathias. A systolic algorithm for hidden surface removal. *Parallel Computing*, 15(1-3):277–289, 1990.

[21] A. De Matteis and S. Pagnutti. A class of parallel random number generators. *Parallel Computing*, 13(2):193–198, 1990.

[22] A. De Matteis and S. Pagnutti. Long-range correlations in linear and non-linear random number generators. *Parallel Computing*, 14(2):207–210, 1990.

[23] István Deák. Uniform random number generators for parallel computers. *Parallel Computing*, 15(1-3):155–164, 1990.

[24] Frank Dehne, Afonso G. Ferreira, and Andrew Rau-Chaplin. Parallel branch and bound on fine-grained hypercube multiprocessors. *Parallel Computing*, 15(1-3):201–209, 1990.

[25] Frank Dehne and Michel Gastaldo. A note on the load balancing problem for coarse grained hypercube dictionary machines. *Parallel Computing*, 16(1):75–79, 1990.

[26] R. Doallo and E.L. Zapata. A vlsi systolic architecture for solving dbt-transformed fuzzy clustering problems of arbitrary size. *Parallel Computing*, 13(3):321–335, 1990.

[27] Nigel Dodd. Slow annealing versus multiple fast annealing runs — an empirical investigation. *Parallel Computing*, 16(2-3):269–272, 1990.

[28] Craig C. Douglas and Willard L. Miranker. Beyond massive parallelism: Numerical computation using associative tables. *Parallel Computing*, 16(1):1–25, 1990.

[29] Michael L. Dowling. Optimal code parallelization using unimodular transformations. *Parallel Computing*, 16(2-3):157–171, 1990.

[30] H. Eckardt. System performance and execution of scientific algorithms on the parallel computer parawell. *Parallel Computing*, 13(2):159–173, 1990.

[31] D.J. Evans. A parallel sorting-merging algorithm for tightly coupled multiprocessors. *Parallel Computing*, 14(1):111–121, 1990.

[32] D.J. Evans, M. Adamopoulos, S. Kortesis, and K. Tsouros. Searching sets of properties with neural networks. *Parallel Computing*, 16(2-3):279–285, 1990.

[33] D.J. Evans and C. Li. Successive underrelaxation (sur) and generalised conjugate gradient (gcg) methods for hyperbolic difference equations on a parallel computer. *Parallel Computing*, 16(2-3):207–220, 1990.

[34] D.J. Evans and K. Margaritis. Systolic designs for eigenvalue-eigenvector computations using matrix powers. *Parallel Computing*, 14(1):77–87, 1990.

[35] D.J. Evans and W.S. Yousif. The implementation of the explicit block iterative methods on the balance 8000 parallel computer. *Parallel Computing*, 16(1):81–97, 1990.

[36] M.R. Exum and J.L. Gaudiot. Network design and allocation considerations in the hughes data-flow machine. *Parallel Computing*, 13(1):17–34, 1990.

[37] Herbert Fischer. Automatic differentiation: Parallel computation of function, gradient, and hessian matrix. *Parallel Computing*, 13(1):101–110, 1990.

[38] Pierre Fraigniaud, Serge Miguet, and Yves Robert. Scattering on a ring of processors. *Parallel Computing*, 13(3):377–383, 1990.

[39] Feng Gao and Beresford N. Parlett. A note on communication analysis of parallel sparse cholesky factorization on a hypercube. *Parallel Computing*, 16(1):59–60, 1990.

[40] Guang R. Gao. Exploiting fine-grain parallelism on dataflow architectures. *Parallel Computing*, 13(3):309–320, 1990.

[41] Marc Garbey and David Levine. Massively parallel computation of conservation laws. *Parallel Computing*, 16(2-3):293–304, 1990.

[42] I. García, J.J. Merelo, J.D. Bruguera, and E.L. Zapata. Parallel quadrant interlocking factorization on hypercube computers. *Parallel Computing*, 15(1-3):87–100, 1990.

[43] G.A. Geist and G.J. Davis. Finding eigenvalues and eigenvectors of unsymmetric matrices using a distributed-memory multiprocessor. *Parallel Computing*, 13(2):199–209, 1990.

[44] John R. Gilbert and Hjálmtýr Hafsteinsson. Parallel symbolic factorization of sparse linear systems. *Parallel Computing*, 14(2):151–162, 1990.

[45] Qian Ping Gu and Tadao Takaoka. A sharper analysis of a parallel algorithm for the all pairs shortest path problem. *Parallel Computing*, 16(1):61–67, 1990.

[46] Ibrahim N. Hajj and Stig Skelboe. A multilevel parallel solver for block tridiagonal and banded linear systems. *Parallel Computing*, 15(1-3):21–45, 1990.

[47] J.-Fr. Hake. Supercomputing '89. *Parallel Computing*, 14(1):123–124, 1990.

[48] Wilhelm Hasselbring. Celip: A cellular language for image processing. *Parallel Computing*, 14(1):99–109, 1990.

[49] Dieter W. Heermann and Anthony N. Burkitt. Parallelization of the ising model and its performanace evaluation. *Parallel Computing*, 13(3):345–357, 1990.

[50] Jau-Hsiung Huang and Leonard Kleinrock. Distributed selectsort sorting algorithms on broadcast communication networks. *Parallel Computing*, 16(2-3):183–190, 1990.

[51] Jau-Hsiung Huang and Leonard Kleinrock. Optimal parallel merging and sorting algorithms using $\sqrt{N}$ processors without memory contention. *Parallel Computing*, 14(1):89–97, 1990.

[52] T.Z. Kalamboukis. The symmetric tridiagonal eigenvalue problem on a transputer network. *Parallel Computing*, 15(1-3):101–106, 1990.

[53] C. Kamath and S. Weeratunga. Implementation of two projection methods on a shared memory multiprocessor: Dec vax 6240. *Parallel Computing*, 16(2-3):@page@, 1990.

[54] R.W. Kentridge. Neural networks for learning in the real world: Representation, reinforcement and dynamics. *Parallel Computing*, 14(3):405–414, 1990.

[55] Hyoung Joong Kim and Jang Gyu Lee. A parallel algorithm solving a tridiagonal toeplitz linear system. *Parallel Computing*, 13(3):289–294, 1990.

[56] Sung Kwon Kim. Parallel algorithms for planar dominance counting. *Parallel Computing*, 15(1-3):241–246, 1990.

[57] J. Kindermann and A. Linden. Inversion of neural networks by gradient descent. *Parallel Computing*, 14(3):277–286, 1990.

[58] Siegfried Knecht, Edwin Laermann, and Wolfgang E. Nagel. Parallelizing qcd with dynamical fermions on a cray multiprocessor system. *Parallel Computing*, 15(1-3):3–20, 1990.

[59] Arno Krechel, Hans-Joachim Plum, and Klaus Stüben. Parallelization and vectorization aspects of the solution of tridiagonal linear systems. *Parallel Computing*, 14(1):31–49, 1990.

[60] E.V. Krishnamurthy, M. Kunde, M. Schimmler, and H. Schröder. Systolic algorithm for tensor products of matrices: Implementation and applications. *Parallel Computing*, 13(3):301–308, 1990.

[61] Trent E. Lange. Simulation of heterogeneous neural networks on serial and parallel machines. *Parallel Computing*, 14(3):287–303, 1990.

[62] Ronald J. Leach, O. Michael Atogi, and Razeyah R. Stephen. The actual complexity of parallel evaluation of low degree polynomials. *Parallel Computing*, 13(1):73–83, 1990.

[63] P. Lenders and H. Schröder. A programmable systolic device for image processing based on mathematical morphology. *Parallel Computing*, 13(3):337–344, 1990.

[64] Stewart A. Levin. A fully vectorized quicksort. *Parallel Computing*, 16(2-3):369–373, 1990.

[65] J. Li, A. Brass, D.J. Ward, and B. Robson. A study of parallel molecular dynamics algorithms for n-body simulations on a transputer system. *Parallel Computing*, 14(2):211–222, 1990.

[66] Liwu Li. Systolic computation with fault diagnosis. *Parallel Computing*, 14(2):235–243, 1990.

[67] Chau-Jy Lin. Parallel generation of permutations on systolic arrays. *Parallel Computing*, 15(1-3):267–276, 1990.

[68] Ferng-Ching Lin and Kuo-Liang Chung. A cost-optimal parallel tridiagonal system solver. *Parallel Computing*, 15(1-3):189–199, 1990.

[69] Yen-Chun Lin and Ferng-Ching Lin. Parallel sorting with cooperating heaps in a linear array of processors. *Parallel Computing*, 16(2-3):273–278, 1990.

[70] Basile Louka and Maurice Tchuente. Triangular matrix inversion on systolic arrays. *Parallel Computing*, 14(2):223–228, 1990.

[71] Sathiamoorthy Manoharan and Nigel P. Topham. A general bound on schedule lenght for independent tasks. *Parallel Computing*, 16(1):69–73, 1990.

[72] K. Margaritis and D.J. Evans. Systolic designs for bernoulli's method. *Parallel Computing*, 15(1-3):227–240, 1990.

[73] G.M. Megson. Rank annihilation on a ring of processors. *Parallel Computing*, 13(1):85–94, 1990.

[74] G.M. Megson. A systolic helix for matrix triangularisation with partial pivoting. *Parallel Computing*, 14(2):199–206, 1990.

[75] G.M. Megson and D.J. Evans. An orthogonal systolic design for the assignment problem. *Parallel Computing*, 16(2-3):253–267, 1990.

[76] G.M. Megson and D.J. Evans. Systolic arrays for group explicit methods for solving first order hyperbolic equations. *Parallel Computing*, 16(2-3):191–205, 1990.

[77] Peter Michielse. Parallel adaptive reservoir simulation. *Parallel Computing*, 13(3):359–368, 1990.

[78] Igor Ž. Milovanović, Emina I. Milovanović, and Mile K. Stojčev. An optimal algorithm fur gaussian elimination of band matrices on an mimd computer. *Parallel Computing*, 15(1-3):133–145, 1990.

[79] R. Morandi and F. Sgallari. Parallel algorithms for the iterative solution of sparse least-squares problems. *Parallel Computing*, 13(3):271–280, 1990.

[80] D. Morris, C.J. Theaker, R. Phillips, and D.G. Evans. An experimental parallel system (eps). *Parallel Computing*, 15(1-3):247–259, 1990.

[81] H. Mühlenbein. Limitations of multi-layer perceptron networks — steps towards genetic neural networks. *Parallel Computing*, 14(3):249–260, 1990.

[82] W.E. Nagel. Exploiting autotasking on a cray y-mp: An improved software interface to multitasking. *Parallel Computing*, 13(2):225–233, 1990.

[83] Ramesh Natarajan. A parallel algorithm for the generalized symmetric eigenvalue problem on a hybrid multiprocessor. *Parallel Computing*, 14(2):129–150, 1990.

[84] K. Obermayer, H. Ritter, and K. Schulten. Large-scale simulations of self-organizing neural networks on parallel computers: Application to biological modelling. *Parallel Computing*, 14(3):381–404, 1990.

[85] R.R. Oldehoeft and J.R. McGraw. Mixed applicative and imperative programs. *Parallel Computing*, 13(2):175–191, 1990.

[86] Dianne P. O'Leary and Peter Whitman. Parallel *qr* factorization by householder and modified gram-schmidt algorithms. *Parallel Computing*, 16(1):99–112, 1990.

[87] Pelle Olsson and S. Lennart Johnsson. A dataparallel implementation of an explicit method for the three-dimensional compressible navier-stokes equations. *Parallel Computing*, 14(1):1–30, 1990.

[88] R.M.R. Page and S.F. Reddaway. The dap as a filestore search engine. *Parallel Computing*, 13(3):369–376, 1990.

[89] Sanjay V. Rajopadhye and Richard M. Fujimoto. Synthesizing systolic arrays from recurrence equations. *Parallel Computing*, 14(2):163–189, 1990.

[90] Fabio Reale. A tridiagonal solver for massively parallel computer systems. *Parallel Computing*, 16(2-3):361–368, 1990.

[91] Tanguy Risset. Implementing gaussian elimination on a matrix-matrix multiplication systolic array. *Parallel Computing*, 16(2-3):351–359, 1990.

[92] F.F. Rivera, R. Doallo, J.D. Bruguera, E.L. Zapata, and R. Peskin. Gaussian eliminiation with pivoting on hypercubes. *Parallel Computing*, 14(1):51–60, 1990.

[93] P. Sadayappan, F. Ercal, and J. Ramanujam. Cluster partitioning approaches to mapping parallel programs onto a hypercube. *Parallel Computing*, 13(1):1–16, 1990.

[94] Tariq Samad and Paul Harper. High-order hopfield and tank optimization networks. *Parallel Computing*, 16(2-3):287–292, 1990.

[95] Jang-Ping Sheu, Nan-Ling Kuo, and Gen-Huey Chen. Graph search algorithms and maximum bipartite matching algorithm on the hypercube network model. *Parallel Computing*, 13(2):245–251, 1990.

[96] Z.C. Shih, R.C.T. Lee, and S.N. Yang. A parallel algorithm for finding congruent regions. *Parallel Computing*, 13(2):135–142, 1990.

[97] Chii-Huah Shyu. A parallel algorithm for finding a maximum weight clique of an interval graph. *Parallel Computing*, 13(2):253–256, 1990.

[98] S.J. Shyu and R.C.T. Lee. Solving the set cover problem on a supercomputer. *Parallel Computing*, 13(3):295–300, 1990.

[99] S.J. Shyu and R.C.T. Lee. The vectorization of the partition problem. *Parallel Computing*, 16(2-3):343–350, 1990.

[100] Alexander Singer. Implementations of artificial neural networks on the connection machine. *Parallel Computing*, 14(3):305–315, 1990.

[101] F.J. Śmieja and H. Mühlenbein. The geometry of multi-layer perceptron solutions. *Parallel Computing*, 14(3):261–275, 1990.

[102] A. Stewart and G.J. Shaw. A parallel multigrid fas scheme for transputer networks. *Parallel Computing*, 16(2-3):335–342, 1990.

[103] G.W. Stewart. Communication and matrix computations on large message passing systems. *Parallel Computing*, 16(1):27–40, 1990.

[104] M.K. Stojčev, E.I. Milovanović, and I.Ž. Milovanović. An algorithm for multiplication of concatenated matrices. *Parallel Computing*, 13(2):211–223, 1990.

[105] T. Theoharis and J.J. Modi. Implementation of matrix multiplication on the t-rack. *Parallel Computing*, 14(2):229–233, 1990.

[106] Michael Thuné. A partitioning strategy for explicit difference methods. *Parallel Computing*, 15(1-3):147–154, 1990.

[107] J.C. Tsay and C.J. Lin. A systolic design for generating combinations in lexicographic order. *Parallel Computing*, 13(1):119–125, 1990.

[108] Evgenij E. Tyrtyshnikov. New approaches to deriving parallel algorithms. *Parallel Computing*, 15(1-3):261–265, 1990.

[109] Eric F. van de Velde. Data redistribution and concurrency. *Parallel Computing*, 16(2-3):125–138, 1990.

[110] F.F. van der Vlugt, D.A. van Delft, A.F. Bakker, and Th.H. van der Meer. The implementation of a 3d navier-stockes algorithm on an algorithm oriented processor. *Parallel Computing*, 15(1-3):47–60, 1990.

[111] Michaël F.X.B. van Swaaij, Francky V.M. Catthoor, and Hugo J. de Man. Deriving asic architectures for the hough transfrom. *Parallel Computing*, 16(1):113–121, 1990.

[112] Peter J. Varman, Balakrishna R. Iyer, Donald J. Haderle, and Stephen M. Dunn. Parallel merging: Algorithm and implementation results. *Parallel Computing*, 15(1-3):165–177, 1990.

[113] B. Veltman, B.J. Lageweg, and J.K. Lenstra. Multiprocessor scheduling with communication delays. *Parallel Computing*, 16(2-3):173–182, 1990.

[114] Chien-Min Wang and Sheng-De Wang. Structured partitioning of concurrent programs for execution on multiprocessors. *Parallel Computing*, 16(1):41–57, 1990.

[115] Helmut Weberpals. Architectural approach to the ibm 3090e vector performance. *Parallel Computing*, 13(1):47–59, 1990.

[116] J.S. Weston and M. Clint. Two algorithms for the parallel computation of eigenvalues and eigenvectors of large symmetric matrices using the icl dap. *Parallel Computing*, 13(3):281–288, 1990.

[117] D. Whitley, T. Starkweather, and C. Bogart. Genetic algorithms and neural networks: Optimizing connections and connectivity. *Parallel Computing*, 14(3):347–361, 1990.

[118] Michael Witbrock and Marco Zagha. An implementatin of backpropagation learning on gf11, a large simd parallel computer. *Parallel Computing*, 14(3):329–346, 1990.

[119] Stephen J. Wright. Solution of discrete-time optimal control problems on parallel computers. *Parallel Computing*, 16(2-3):221–237, 1990.

[120] Janez Žerovnik. A parallel variant of a heuristical algorithm for graph colouring. *Parallel Computing*, 13(1):95–100, 1990.

[121] Xiru Zhang, Michael Mckenna, Jill P. Mesirov, and David L. Waltz. The backpropagation algorithm on grid and hypercube architectures. *Parallel Computing*, 14(3):317–327, 1990.

[122] M. Zubair. An optimal speedup algorithm for the measure problem. *Parallel Computing*, 13(1):61–71, 1990.