References

[1] Tetsuo Asano and Hiroshi Umeo. Systolic algorithms for computing the visibility polygon and triangulation of a polygonal region. *Parallel Computing*, 6(2):209–216, 1988.

[2] Mike Ashworth and Andrew G. Lyne. A segmented fft algorithm for vector computers. *Parallel Computing*, 6(2):217–224, 1988.

[3] C.R. Askew, D.B. Carpenter, J.T. Chalker, A.J.G. Hey, M. Moore, D.A. Nicole, and D.J. Pritchard. Monte carlo simulation on transputer arrays. *Parallel Computing*, 6(2):247–258, 1988.

[4] Robert G. Babb II, Lise Storc, and Peter G. Eltgroth. Parallelization schemes for 2-d hydrodynamics codes using the independent time step method. *Parallel Computing*, 8(1-3):85–89, 1988.

[5] Robert G. Babb II, Lise Storc, and Robert Hiromoto. Developing a parallel monte carlo transport algorithm using large-grain data flow. *Parallel Computing*, 7(2):187–198, 1988.

[6] Clive F. Baillie. Comparing shared and distributed memory computers. *Parallel Computing*, 8(1-3):101–110, 1988.

[7] Jarle Berntsen and Terje O. Espelid. A parallel global adaptive quadrature algorithm for hypercubes. *Parallel Computing*, 8(1-3):313–323, 1988.

[8] Thomas Brandes. Determination of dependencies in a knowledge-based parallelization tool. *Parallel Computing*, 8(1-3):111–119, 1988.

[9] William L. Briggs and Thomas Turnbull. Fast poisson solvers for mimd computers. *Parallel Computing*, 6(3):265–274, 1988.

[10] Andrew T. Brint, Valerie J. Gillet, Michael F. Lynch, Peter Willett, Gordon A. Manson, and George A. Wilson. Chemical graph matching using transputer networks. *Parallel Computing*, 8(1-3):295–300, 1988.

[11] Eugene D. Brooks III. The indirect k-ary n-cube for a vector processing environment. *Parallel Computing*, 6(3):339–348, 1988.

[12] Eugene D. Brooks III. The shared memory hypercube. *Parallel Computing*, 6(2):235–245, 1988.

[13] H. Capdevila. Solution of 2-d euler equations with a parallel code. *Parallel Computing*, 7(3):451–460, 1988.

[14] P. Carnevali. Timing results of some internal sorting algorithms on the ibm 3090. *Parallel Computing*, 6(1):115–117, 1988.

[15] Glenn Carver. A spectral meteorological model on the icl dap. *Parallel Computing*, 8(1-3):121–126, 1988.

[16] R.M. Chamberlain. Gray codes, fast fourier transforms and hypercubes. *Parallel Computing*, 6(2):225–233, 1988.

[17] H.Y. Chang, S. Utku, M. Salama, and D. Rapp. A parallel householder tridiagonalization stratagem using scattered square decomposition. *Parallel Computing*, 6(3):297–311, 1988.

[18] M. Clint, D. Roantree, and A. Stewart. Towards the construction of an eigenvalue engine. *Parallel Computing*, 8(1-3):127–132, 1988.

[19] David L. Cochrane and Donald G. Truhlar. Strategies and performance norms for efficient utilization of vector pipeline computers as illustrated by the classical mechanical simulation of rotationally inelastic collisions. *Parallel Computing*, 6(1):63–85, 1988.

[20] A. Corana, C. Martini, M. Morando, S. Ridella, and C. Rolando. Solving linear equation systems on vector computers with maximum efficiency. *Parallel Computing*, 8(1-3):133–139, 1988.

[21] M. Cosnard, M. Marrakchi, Y. Robert, and D. Trystram. Parallel gaussian elimination on an mimd computer. *Parallel Computing*, 6(3):275–296, 1988.

[22] D. Crookes, P.J. Morrow, P. Milligan, P.L. Kilpatrick, and N.S. Scott. An array processing language for transputer networks. *Parallel Computing*, 8(1-3):141–148, 1988.

[23] F. Darema, D.A. George, V.A. Norton, and G.F. Pfister. A single-program-multiple-data computational model for epex/fortran. *Parallel Computing*, 7(1):11–24, 1988.

[24] Alan J. Davies. The boundary element method on the icl dap. *Parallel Computing*, 8(1-3):335–343, 1988.

[25] D. Dent and M. O'Neill. Microtasking as a complement to macrotasking. *Parallel Computing*, 8(1-3):149–154, 1988.

[26] Jack J. Dongarra, Danny C. Sorensen, Kathryn Connolly, and Jim Patterson. Programming methodology and performance issues for advanced computer architectures. *Parallel Computing*, 8(1-3):41–58, 1988.

[27] J.J. Du Croz, P.J.D. Mayes, J. Wasniewski, and S. Wilson. Applications of level 2 blas in the nag library. *Parallel Computing*, 8(1-3):345–350, 1988.

[28] Peter G. Eltgroth and Mark K. Seager. The sub-implicit method: New multiprocessor algorithms for old implicit codes. *Parallel Computing*, 8(1-3):155–163, 1988.

[29] Miloš D. Ercegovac. Heterogeneity in supercomputer architectures. *Parallel Computing*, 7(3):367–372, 1988.

[30] D.J. Evans and M.P. Bekakos. The solution of linear systems by the qif algorithm on a wavefront array processor. *Parallel Computing*, 7(1):111–130, 1988.

[31] D.J. Evans and K. Margaritis. Optical processing of banded matrix algorithms using outer product concepts. *Parallel Computing*, 6(1):119–125, 1988.

[32] D.J. Evans, Jianping Shao, and Lishan Kang. The convergence factor of the parallel schwarz overrelaxation method for linear systems. *Parallel Computing*, 6(3):313–324, 1988.

[33] John T. Feo. An analysis of the computational and parallel complexity of the livermore loops. *Parallel Computing*, 7(2):163–185, 1988.

[34] H. Finnemann, J. Brehm, E. Michel, and J. Volkert. Solution of the neutron diffusion equation through multigrid methods implemented on a memory-coupled 25-processor system. *Parallel Computing*, 8(1-3):391–398, 1988.

[35] B.M. Forrerst, D. Roweth, N. Stroud, D.J. Wallace, and G.V. Wilson. Neural network models. *Parallel Computing*, 8(1-3):71–83, 1988.

[36] Rhys Francis and Ian Mathieson. Synchronised execution on shared memory multiprocessors. *Parallel Computing*, 8(1-3):165–175, 1988.

[37] Bernd Franke, Ralf Harneit, Axel Kern, and Hans Christoph Zeidler. The pipeline bus: An interconnection network for multiprocessor systems. *Parallel Computing*, 7(3):403–412, 1988.

[38] C. Froese Fischer, N.S. Scott, and J. Yoo. Multitasking the calculation of angular integrals on the cray-2 and cray x-mp. *Parallel Computing*, 8(1-3):385–390, 1988.

[39] J.L. Gaudiot, J.I. Pi, and M.L. Campbell. Program graph allocation in distributed multicomputers. *Parallel Computing*, 7(2):227–247, 1988.

[40] Wolfgang K. Giloi. Suprenum: A trendsetter in modern supercomputer development. *Parallel Computing*, 7(3):283–296, 1988.

[41] B.W. Glickfeld and R.A. Overbeek. Geometric specification of scheduling constraints: A simplified approach to multiprocessing. *Parallel Computing*, 6(3):325–337, 1988.

[42] Mark Goldmann. Vectorisation of the multiple shooting method for the nonlinear boundary value problem in ordinary differential equations. *Parallel Computing*, 7(1):97–110, 1988.

[43] Renate Gurke. The approximate solution of the euclidean traveling salesman problem on a cray x-mp. *Parallel Computing*, 8(1-3):177–183, 1988.

[44] Inge Gutheil. Suprenum software for the symmetric eigenvalue problem. *Parallel Computing*, 7(3):419–424, 1988.

[45] Uwe Harms and Hermann Luttermann. Experiences in benchmarking the three supercomputers cray-1m, cray -x/mp, fujitsu vp-200 compared with the cyber 76. *Parallel Computing*, 6(3):373–382, 1988.

[46] M. Hatzopoulos and D.J. Evans. Comments on the paper "a short proof for the existence of the wz-factorization". *Parallel Computing*, 6(2):259–259, 1988.

[47] Ulrich Herzog. Performance evaluation principles for vector- and multiprocessor systems. *Parallel Computing*, 7(3):425–438, 1988.

[48] F. Hossfeld. Vector-supercomputers. *Parallel Computing*, 7(3):373–385, 1988.

[49] Atsushi Inoue and Akira Maeda. The architecture of a multi-vector processor system, vpp. *Parallel Computing*, 8(1-3):185–193, 1988.

[50] Chris Jesshope. Transputers and switches as objects in occam. *Parallel Computing*, 8(1-3):19–30, 1988.

[51] Harry F. Jordan. Programming language concepts for multiprocessors. *Parallel Computing*, 8(1-3):31–40, 1988.

[52] Subhash C. Kak. A two-layered mesh array for matrix multiplication. *Parallel Computing*, 6(3):383–385, 1988.

[53] Hubert Kammer. The suprenum vector floating-point unit. *Parallel Computing*, 7(3):315–323, 1988.

[54] Frank C. Kampe and Tung M. Nguyen. Performance comparison of the cray-2 and cray x-mp on a class of seismic data processing algorithms. *Parallel Computing*, 7(1):41–53, 1988.

[55] John A. Kapenga and Elise de Doncker. A parallelization of adaptive task partitioning algorithms. *Parallel Computing*, 7(2):211–225, 1988.

[56] A. Kashko, H. Buxton, B.F. Buxton, and D.A. Castelow. Parallel matching and reconstruction algorithms in computer vision. *Parallel Computing*, 8(1-3):3–17, 1988.

[57] Shlomo Katz, Wayne A. Ray, and Gabriel Walder. Multiprocessor software for the cyberplus high performance system. *Parallel Computing*, 8(1-3):231–244, 1988.

[58] O. Kolp and H. Mierendorff. Performance estimations for suprenum systems. *Parallel Computing*, 7(3):357–366, 1988.

[59] Ulrich Kremer, Heinz-J. Bast, Michael Gerndt, and Hans P. Zima. Advanced tools and techniques for automatic parallelization. *Parallel Computing*, 7(3):387–393, 1988.

[60] Manfred Kunde, Hans-Werner Lang, Manfred Schimmler, Hartmut Schmeck, and Heiko Schröder. The instruction systolic array and its relation to other models of parallel computers. *Parallel Computing*, 7(1):25–39, 1988.

[61] C.H. Lai and H.M. Liddell. Finite elements using long vectors of the dap. *Parallel Computing*, 8(1-3):351–361, 1988.

[62] Thomas Legendi, Endre Katona, József Tóth, and Antal Zsótér. Megacell machine. *Parallel Computing*, 8(1-3):195–199, 1988.

[63] L. Lehmann and F. Höpfl. A model of distributed recovery for the suprenum multiprocessor. *Parallel Computing*, 7(3):395–401, 1988.

[64] J. Linden, B. Steckel, and K. Stüben. Parallel multigrid solution of the navier-stokes equations on general 2d domains. *Parallel Computing*, 7(3):461–475, 1988.

[65] F.A. Lootsma and K.M. Ragsdell. State-of-the-art in parallel nonlinear optimization. *Parallel Computing*, 6(2):133–155, 1988.

[66] Oliver A. McBryan. New architectures: Performance highlights and new algorithms. *Parallel Computing*, 7(3):477–499, 1988.

[67] A. McKerrell and L.M. Delves. Monte carlo simulation of neutron diffusion on simd architectures. *Parallel Computing*, 8(1-3):363–370, 1988.

[68] Rami Melhem. Parallel solution of linear systems with striped sparse matrices. *Parallel Computing*, 6(2):165–184, 1988.

[69] Peter H. Michielse and Henk A. van der Vorst. Data transport in wang's partition method. *Parallel Computing*, 7(1):87–95, 1988.

[70] Kenichi Miura and Robert G. Babb II. Tradeoffs in granularity and parallelization for a monte carlo shower simulation code. *Parallel Computing*, 8(1-3):91–100, 1988.

[71] H. Mühlenbein, M. Gorges-Schleuter, and O. Krämer. Evolution algorithms in combinatorial optimization. *Parallel Computing*, 7(1):65–85, 1988.

[72] H. Mühlenbein, O. Krämer, F. Limburger, M. Mevenkamp, and S. Streitz. Muppet: A programming environment for message-based multiprocessors. *Parallel Computing*, 8(1-3):201–221, 1988.

[73] Wolfgang E. Nagel. Using multiple cpus for problem solving: Experiences in multitasking on the cray x-mp/48. *Parallel Computing*, 8(1-3):223–230, 1988.

[74] J.M. Ortega. The ijk forms of factorization methods — i. vector computers. *Parallel Computing*, 7(2):135–147, 1988.

[75] J.M. Ortega and C.H. Romine. The ijk forms of factorization methods — ii. parallel systems. *Parallel Computing*, 7(2):149–162, 1988.

[76] Klaus Peinze. The suprenum preprototype: Status and experiences. *Parallel Computing*, 7(3):297–313, 1988.

[77] Christine A. Pogue, Edie M. Rasmussen, and Peter Willett. Searching and clustering of databases using the icl distributed array processor. *Parallel Computing*, 8(1-3):399–407, 1988.

[78] David A. Poplawski. Mapping rings and grids onto the fps t-series hypercube. *Parallel Computing*, 7(1):1–10, 1988.

[79] Michael J. Quinn. Parallel sorting algorithms for tightly coupled multiprocessors. *Parallel Computing*, 6(3):349–357, 1988.

[80] G. Radicati, Y. Robert, and P. Sguazzero. Dense linear systems fortran solvers on the ibm 3090 vector multiprocessor. *Parallel Computing*, 8(1-3):377–384, 1988.

[81] Richard Reuter. Solving tridiagonal systems of linear equations on the ibm 3090 vf. *Parallel Computing*, 8(1-3):371–376, 1988.

[82] Yves Robert and Denis Trystram. Comments on scheduling parallel iterative methods on multiprocessor systems. *Parallel Computing*, 7(2):253–255, 1988.

[83] J.B.G. Roberts, J.G. Harp, B.C. Merrifield, K.J. Palmer, P. Simpson, J.S. Ward, and H.C. Webber. Evaluating parallel processors for real-time applications. *Parallel Computing*, 8(1-3):245–254, 1988.

[84] Charles H. Romine and James M. Ortega. Parallel solution of triangular systems of equations. *Parallel Computing*, 6(1):109–114, 1988.

[85] W. Rönsch and H. Strauss. A linear algebra package for a local memory multiprocessor: Problems, proposals and solutions. *Parallel Computing*, 7(3):413–418, 1988.

[86] Joel H. Saltz and Vijay K. Naik. Towards developing robust algorithms for solving partial differential equations on mimd machines. *Parallel Computing*, 6(1):19–44, 1988.

[87] Georg Schäffler. Connecting peace to unix. *Parallel Computing*, 7(3):335–339, 1988.

[88] Willi Schönauer and Eric Schnepf. Fidisol: A "black box" solver for partial differential equations. *Parallel Computing*, 6(2):185–193, 1988.

[89] W. Schröder. Peace: The distributed suprenum operating system. *Parallel Computing*, 7(3):325–333, 1988.

[90] David Seldner, Manfred Alef, Thomas Westermann, and Eberhard Halter. Parallel particle simulation in high voltage diodes (algorithms and concepts for implementation on suprenum). *Parallel Computing*, 7(3):445–449, 1988.

[91] D.J. Silvester. Optimising finite element matrix calculations using the general technique of element vectorisation. *Parallel Computing*, 6(2):157–164, 1988.

[92] David F. Snelling. Standard fortran 77 as a parallel language. *Parallel Computing*, 8(1-3):409–414, 1988.

[93] David F. Snelling and Geerd-R. Hoffmann. A comparative study of libraries for parallel processing. *Parallel Computing*, 8(1-3):255–266, 1988.

[94] Karl Solchenbach. Grid applications on distributed memory architectures: Implementation and evaluation. *Parallel Computing*, 7(3):341–356, 1988.

[95] Karl Solchenbach and Ulrich Trottenberg. Suprenum: System essentials and grid applications. *Parallel Computing*, 7(3):265–281, 1988.

[96] Bernhard Steffen. Implementation of a resonant cavity package on mimd computers. *Parallel Computing*, 7(1):55–63, 1988.

[97] Ivan Stojmenović and Masahiro Miyakawa. An optimal parallel algorithm for solving the maximal elements problem in the plane. *Parallel Computing*, 7(2):249–251, 1988.

[98] David A. Tanqueray and David F. Snelling. A distributed self-scheduler for partially ordered tasks. *Parallel Computing*, 8(1-3):267–273, 1988.

[99] Clive Temperton. Implementation of a prime factor fft algorithm on cray-1. *Parallel Computing*, 6(1):99–108, 1988.

[100] Philip C. Treleaven. Parallel architecture overview. *Parallel Computing*, 8(1-3):59–70, 1988.

[101] Robert A. Wagner and Merrell L. Patrick. A sparse matrix algorithm on the boolean vector machine. *Parallel Computing*, 6(3):359–371, 1988.

[102] R. Wait. Partitioning and preconditioning of finite element matrices on the dap. *Parallel Computing*, 8(1-3):275–284, 1988.

[103] R. Wait and N.G. Brown. Overlapping block methods for solving tridiagonal systems on transputer arrays. *Parallel Computing*, 8(1-3):325–333, 1988.

[104] Harvey J. Wasserman, Margaret L. Simmons, and Olaf M. Lubeck. The performance of minisupercomputers: Alliant fx/8, convex c-1, and scs-40. *Parallel Computing*, 8(1-3):285–293, 1988.

[105] Roy Williams. Free-lagrange hydrodynamics with a distributed-memory parallel processor. *Parallel Computing*, 7(3):439–443, 1988.

[106] Yau Shu Wong. Solving large elliptic difference equations on cyber 205. *Parallel Computing*, 6(2):195–207, 1988.

[107] Stavros A. Zenios and John M. Mulvey. A distributed algorithm for convex network optimization problems. *Parallel Computing*, 6(1):45–56, 1988.

[108] Hans P. Zima, Heinz-J. Bast, and Michael Gerndt. Superb: A tool for semi-automatic mimd/simd parallelization. *Parallel Computing*, 6(1):1–18, 1988.

[109] Zahari Zlatev. Treatment of some mathematical models describing long-range transport of air pollutants on vector processors. *Parallel Computing*, 6(1):87–98, 1988.

[110] Zahari Zlatev, Phuong Vu, Jerzy Wasniewski, and Kjeld Schaumburg. Computations with symmetric, positive definite and band matrices on a parallel vector processor. *Parallel Computing*, 8(1-3):301–312, 1988.

[111] Earl Zmijewski and John R. Gilbert. A parallel algorithm for sparse symbolic cholesky factorization on a multiprocessor. *Parallel Computing*, 7(2):199–210, 1988.

[112] M. Zubair and B.B. Madan. Efficient systolic algorithm for finding bridges in a connected graph. *Parallel Computing*, 6(1):57–61, 1988.