References

[1] Gerhard Adrian. Parallel processing in regional climatology: The parallel version of the “karlsruhe atmospheric mesoscale model” (kamm). *Parallel Computing*, 25(7):777–787, 1999.

[2] A.K. Amoura, E. Bampis, Y. Manoussakis, and Zs. Tuza. A comparison of heuristics for scheduling multiprocessor tasks on three dedicated processors. *Parallel Computing*, 25(1):49–61, 1999.

[3] V. Annamalai, C.S. Krishnamoorthy, and V. Kamakoti. Adaptive finite element analysis on a parallel and distributed environment. *Parallel Computing*, 25(12):1413–1434, 1999.

[4] S. Aoki, R. Burkhalter, K. Kanaya, T. Yoshié, T. Boku, H. Nakamura, and Y. Yamashita. Performance of lattice qcd programs on cp-pacs. *Parallel Computing*, 25(10-11):1243–1255, 1999.

[5] B. Bacci, M. Danulutto, S. Pelagatti, and M. Vanneschi. Skie: A heterogeneous environment for hpc applications. *Parallel Computing*, 25(13-14):1827–1852, 1999.

[6] Zhong-Zhi Bai. A class of asynchronous parallel multisplitting blockwise relaxation methods. *Parallel Computing*, 25(6):681–701, 1999.

[7] Miranda E. Barrows, Dawn E. Gregory, Lixin Gao, Arnold L. Rosenberg, and Paul R. Cohen. An empirical study of dynamic scheduling on ring of processors. *Parallel Computing*, 25(9):1063–1079, 1999.

[8] Dominique Barth and Christian Laforest. Scattering and multi-scattering in trees and meshes, with local routing and without buffering. *Parallel Computing*, 25(8):1035–1057, 1999.

[9] Siegfried Benkner and Hans Zima. Compiling high performance fortran for distributed-memory architectures. *Parallel Computing*, 25(13-14):1785–1825, 1999.

[10] Mohamed Benmaiza and Abderezak Touzene. One-to-all broadcast algorithm for constant degree 4 cayley graphs. *Parallel Computing*, 25(3):249–264, 1999.

[11] Jacek Błażwicz, Maciej Drozdowski, and Mariusz Markiewicz. Divisible task scheduling — concept and verification. *Parallel Computing*, 25(1):87–98, 1999.

[12] Cristina Boeres and Vinod E.F. Rebello. A versatile cost modelling approach for multicomputer task scheduling. *Parallel Computing*, 25(1):63–86, 1999.

[13] Pierre Boulet, Jack Dongarra, Yves Robert, and Frédéric Vivien. Static tiling for heterogeneous computing platforms. *Parallel Computing*, 25(5):547–568, 1999.

[14] Kenneth C. Bowler and Anthony J.G. Hey. Parallel computing and quantum chromodynamics. *Parallel Computing*, 25(13-14):2111–2134, 1999.

[15] G.S. Brodal. Priority queues on parallel machines. *Parallel Computing*, 25(8):987–1011, 1999.

[16] W. Cai, K. Zhang, S.J. Turner, and C. Sun. Interlock avoidance in transparent and dynamic parallel program instrumentation using logical clocks. *Parallel Computing*, 25(5):569–591, 1999.

[17] G. Carré, S. Lanteri, and Mark Loriot. High performance simulations of compressible flows inside car engine geometries using the n3s-natur parallel solver. *Parallel Computing*, 25(12):1435–1458, 1999.

[18] Edmund Chadwick. A hybrid parallel algorithm for the spectral transform method which uses functional parallelism. *Parallel Computing*, 25(4):345–360, 1999.

[19] S.W. Chen, C.Y. Fang, and K.E. Chang. Neural simulation of petri nets. *Parallel Computing*, 25(2):183–207, 1999.

[20] Andrea Clematis and Angelo Corana. Modeling performance of heterogeneous parallel computing systems. *Parallel Computing*, 25(9):1131–1145, 1999.

[21] Enrico Clementi and Giorgina Corongiu. Early parallelism with a loosely coupled array of processors: The icap experiment. *Parallel Computing*, 25(13-14):1583–1600, 1999.

[22] T.C. Clune, J.R. Elliott, M.S. Miesch, J. Toomre, and G.A. Glatzmaier. Computational aspects of a code to study rotating turbulent convection in spherical shells. *Parallel Computing*, 25(4):361–380, 1999.

[23] Angelo Corana. Parallel computation of the correlation dimension from a time series. *Parallel Computing*, 25(6):639–666, 1999.

[24] Cristina Corral, Isabel Giménez, José Marín, and José Mas. Parallel m-step preconditioners for the conjugate gradient method. *Parallel Computing*, 25(3):265–281, 1999.

[25] Paolo Cremonesi, Emilia Rosti, Giuseppe Serazzi, and Evgenia Smirni. Performance evaluation of parallel sytems. *Parallel Computing*, 25(13-14):1677–1698, 1999.

[26] Philippe de Forcrand. The multiboson method. *Parallel Computing*, 25(10-11):1341–1355, 1999.

[27] Ralf Diekmann, Andreas Frommer, and Burkhard Monien. Efficient schemes for nearest neighbor load balancing. *Parallel Computing*, 25(7):789–812, 1999.

[28] S.J. Dodson, S.P. Walker, and M.J. Bluck. Parallelisation issues for high speed time domain integral equation analysis. *Parallel Computing*, 25(8):925–942, 1999.

[29] Shun Doi and Takumi Washio. Ordering strategies and related techniques to overcome the trade-off between parallelism and convergence in incomplete factorizations. *Parallel Computing*, 25(13-14):1995–2014, 1999.

[30] Maciej Drozdowski and Włodzimierz Głazek. Scheduling divisible loads in a three-dimensional mesh of processors. *Parallel Computing*, 25(4):381–404, 1999.

[31] Iain S. Duff and Henk A. van der Vorst. Developments and trends in the parallel solution of linear systems. *Parallel Computing*, 25(13-14):1931–1970, 1999.

[32] Ralf Ebner and Christoph Zenger. A distributed functional framework for recursive finite element simulations. *Parallel Computing*, 25(7):813–826, 1999.

[33] G. Edjlali, M. Garbey, and D. Tromeur-Dervout. Interoperability parallel programs approach to simulate 3d frontal polymerization processes. *Parallel Computing*, 25(9):1161–1191, 1999.

[34] Robert G. Edwards, Urs M. Heller, and Rajamani Narayanan. Chiral fermions on the lattice. *Parallel Computing*, 25(10-11):1395–1407, 1999.

[35] Akihiro Fujiwara, Michiko Inoue, Toshimitsu Masuzawa, and Hideo Fujiwara. A cost optimal parallel algorithm for weighted distance transforms. *Parallel Computing*, 25(4):405–416, 1999.

[36] Max Geigl, Martin Griebl, and Christian Lengauer. Termination detection in parallel loop nests with while loops. *Parallel Computing*, 25(12):1489–1510, 1999.

[37] Myron Ginsberg. Influences, challenges, and strategies for automotive hpc benchmarking and performance improvement. *Parallel Computing*, 25(12):1459–1476, 1999.

[38] Nicholas Giolmas, Daniel W. Watson, David M. Chelberg, Peter V. Henstock, June Ho Yi, and Howard Jay Siegel. Aspects of computational mode and data distribution for parallel range image segmentation. *Parallel Computing*, 25(5):499–523, 1999.

[39] Michael Griebel and Gerhard Zumbusch. Parallel multigrid in an adaptive pde solver based on hashing and space-filling curves. *Parallel Computing*, 25(7):827–843, 1999.

[40] Benedikt Großer and Bruno Lang. Efficient parallel reduction to bidiagonal form. *Parallel Computing*, 25(8):969–986, 1999.

[41] R. Gupta. General physics motivations for numerical simulations of quantum field theory. *Parallel Computing*, 25(10-11):1199–1215, 1999.

[42] Rajiv Gupta, Santosh Pande, Kleanthis Psarris, and Vivek Sarkar. Compilation techniques for parallel systems. *Parallel Computing*, 25(13-14):1741–1783, 1999.

[43] Stephan Güsken. Stochastic estimator techniques and their implementation on distributed parallel computers. *Parallel Computing*, 25(10-11):1371–1381, 1999.

[44] Stephan Güsken, Thomas Lippert, and Klaus Schilling. Lattice qcd with two dynamical wilson fermions on ape100 parallel systems. *Parallel Computing*, 25(10-11):1227–1242, 1999.

[45] Y.F. Hu and R.J. Blake. An improved diffusion algorithm for dynamic load balancing. *Parallel Computing*, 25(4):417–444, 1999.

[46] Gwan-Hwan Hwang and Jenq Kuen Lee. Communication set generations with csd calculus and expression-rewriting framework. *Parallel Computing*, 25(9):1105–1130, 1999.

[47] A.D. Kennedy. The hybrid monte carlo algorithm on parallel computers. *Parallel Computing*, 25(10-11):1311–1339, 1999.

[48] Christoph W. Keßler and Jesper Larsson Träff. Language and library support for paractical pram programming. *Parallel Computing*, 25(2):105–135, 1999.

[49] Sunil Kim and Alexander V. Veidenbaum. Interconnection network organization and its impact on performance and cost in shared memory multiprocessors. *Parallel Computing*, 25(3):283–309, 1999.

[50] E.J. Kontoghiorghes, M. Clint, and H.-H. Naegeli. Recursive least-squares using a hybrid householder algorithm on massively parallel simd systems. *Parallel Computing*, 25(9):1147–1159, 1999.

[51] Danny Krizanc and Anton Saarimaki. Bulk synchronous parallel: Practical experience with a model for parallel computing. *Parallel Computing*, 25(2):159–181, 1999.

[52] S. Lakshmivarahan and Sudarshan K. Dhall. Ring, torus and hypercube architectures/algorithms for parallel computing. *Parallel Computing*, 25(13-14):1877–1906, 1999.

[53] Bruno Lang. Efficient eigenvalue and singular value computations on shared memory machines. *Parallel Computing*, 25(7):845–860, 1999.

[54] Ingrid Lenhardt and Thomas Rottner. Krylov subspace methods for structural finite element analysis. *Parallel Computing*, 25(7):861–875, 1999.

[55] G. Peter Lepage. Improved discretizations for lattice qcd. *Parallel Computing*, 25(10-11):1383–1393, 1999.

[56] Wen-Yang Lin and Chuen-Liang Chen. Minimum communication cost reordering for parallel sparse cholesky factorization. *Parallel Computing*, 25(8):943–967, 1999.

[57] Th. Lippert. Parallel ssor preconditioning for lattice qcd. *Parallel Computing*, 25(10-11):1357–1370, 1999.

[58] Thomas Lippert. Hyper-systolic algorithms for n-body computations and parallel level-3 blas libraries. *Parallel Computing*, 25(7):877–891, 1999.

[59] Zhiyong Liu and David W. Cheung. Oblivious routing for lc permutations on hypercubes. *Parallel Computing*, 25(4):445–460, 1999.

[60] S. Loucif, M. Ould-Khaoua, and L.M. Mackenzie. Analysis of fully adaptive wormhole routing in tori. *Parallel Computing*, 25(12):1477–1487, 1999.

[61] Wolfgang Mackens and Heinrich Voss. General masters in parallel condensation of eigenvalue problems. *Parallel Computing*, 25(7):893–903, 1999.

[62] Robert D. Mawhinney. The 1 teraflops qcdsp computer. *Parallel Computing*, 25(10-11):1281–1296, 1999.

[63] Hermann Mierendorff and Wolfgang Joppich. Empirical performance modeling for parallel weather prediction codes. *Parallel Computing*, 25(13-14):2135–2148, 1999.

[64] Hermann Mierendorff and Helmut Schwamborn. Automatic model generation for performance estimation of parallel programs. *Parallel Computing*, 25(6):667–680, 1999.

[65] Rolf H. Möhring and Markus W. Schäffter. Scheduling series-parallel orders subject to 0/1-communication delays. *Parallel Computing*, 25(1):23–40, 1999.

[66] Reinhard Möller. A systolic implementation of the mlem reconstruction algorithm for positron emission tomography images. *Parallel Computing*, 25(7):905–920, 1999.

[67] Alix Munier. Approximation algorithms for scheduling trees with general communication delays. *Parallel Computing*, 25(1):41–48, 1999.

[68] Ravi Murty and Daniel Okunbor. Efficient parallel algorithms for molecular dynamics simulations. *Parallel Computing*, 25(3):217–230, 1999.

[69] Walid A. Najjar, Edward A. Lee, and Guang R. Gao. Advances in the dataflow computational model. *Parallel Computing*, 25(13-14):1907–1929, 1999.

[70] Kisaburo Nakazawa, Hiroshi Nakamura, Taisuke Boku, Ikuo Nakata, and Yoshiyuki Yamashita. Cp-pacs: A massively parallel processor at the university of tsukuba. *Parallel Computing*, 25(13-14):1635–1661, 1999.

[71] Yoshio Oyanagi. Development of supercomputers in japan: Hardware and software. *Parallel Computing*, 25(13-14):1545–1567, 1999.

[72] Giuseppe Passoni, Giancarlo Alfonsi, Giovanni Tula, and Umberto Cardu. A wavenumber parallel computational code for the numerical integration of the navier-stokes equations. *Parallel Computing*, 25(5):593–611, 1999.

[73] S. Ramesh. Implementation of communicating reactive process. *Parallel Computing*, 25(6):703–727, 1999.

[74] F. Rapuano. Quenched physics on ape computers. *Parallel Computing*, 25(10-11):1217–1226, 1999.

[75] U.W. Rathe, P. Sanders, and P.L. Knight. A case study in scalability: An adi method for the two-dimensional time-dependent dirac equation. *Parallel Computing*, 25(5):525–533, 1999.

[76] J.S. Reeve and M. Heath. An effcient parallel version of the householder-*ql* matrix diagonalisation algorithm. *Parallel Computing*, 25(3):311–319, 1999.

[77] Andreas Reuter. Methods for parallel execution of complex database queries. *Parallel Computing*, 25(13-14):2177–2188, 1999.

[78] Richard A. Robb. Visualization in biomedical computing. *Parallel Computing*, 25(13-14):2067–2110, 1999.

[79] Peter Sanders. Analysis of nearest neighbor load balancing algorithms for random loads. *Parallel Computing*, 25(8):1013–1033, 1999.

[80] H. Schwichtenberg, G. Winter, and H. Wallmeier. Accelaration of molecular mechanic simulation by parallelization and fast multipole techniques. *Parallel Computing*, 25(5):535–546, 1999.

[81] Vikramaditya Sen, Mrinal K. Sen, and Paul L. Stoffa. Pvm based 3-d kirchhoff depth migration using dynamically computed traveltimes: An application in seismic data processing. *Parallel Computing*, 25(3):231–248, 1999.

[82] Erich Strohmaier, Jack J. Dongarra, Hans W. Meuer, and Horst D. Simon. The marketplace of high-performance computing. *Parallel Computing*, 25(13-14):1517–1544, 1999.

[83] Reiji Suda, Akira Nishida, and Yoshio Oyanagi. A high performance parallelization scheme for the hessenberg double shift qr algorithm. *Parallel Computing*, 25(6):729–744, 1999.

[84] D. Sugimoto. Grape: A parallel computer dedicated to astrophysical many-body problems. *Parallel Computing*, 25(13-14):1663–1676, 1999.

[85] V.S. Sunderam and G.A. Geist. Heterogeneous parallel and distributed computing. *Parallel Computing*, 25(13-14):1699–1721, 1999.

[86] M. Szularz, J. Weston, and M. Clint. Explicitly restarted lanczos algorithms in an mpp environment. *Parallel Computing*, 25(5):613–631, 1999.

[87] Tayfun Tezduyar and Ysuo Osawa. Methods for parallel computation of complex flow problems. *Parallel Computing*, 25(13-14):2039–2066, 1999.

[88] Clemens-August Thole and Klaus Stüben. Industrial simulation on parallel computers. *Parallel Computing*, 25(13-14):2015–2037, 1999.

[89] R. Tripiccione. Apemille. *Parallel Computing*, 25(10-11):1297–1309, 1999.

[90] Horng-Ren Tsai, Shi-Jinn Horng, Tzong-Wann Kao, Shung-Shing Lee, and Shun-Shan Tsai. Fundamental data movement operations and its applications on a hyper-bus broadcast network. *Parallel Computing*, 25(2):137–157, 1999.

[91] Shunichi Uchida, Akira Aiba, Kazuaki Rokusawa, Takashi Chikayama, and Ryuzo Hasegawa. The parallell logic programming system in the fgcs project and its future directions. *Parallel Computing*, 25(13-14):1601–1633, 1999.

[92] Akira (for the CP-PACS collaboration) Ukawa. Lattice qcd results from the cp-pacs computer. *Parallel Computing*, 25(10-11):1257–1280, 1999.

[93] Jacques Verriet. Scheduling interval-ordered tasks with non-uniform deadlines subject to non-zero communication delays. *Parallel Computing*, 25(1):3–21, 1999.

[94] I. Vlahavas, P. Kefalas, and C. Halatsis. Oasys: An and/or parallel logic programming system. *Parallel Computing*, 25(3):321–336, 1999.

[95] Roseli S. Wedemann, Valmir C. Barbosa, and Raul Donangelo. Defeasible time-stepping. *Parallel Computing*, 25(4):461–489, 1999. see Erratum in: Parallel Computing, Vol. 25, 1999, 767-767.

[96] A.P. Willem Böhm, Jeffrey P. Hammes, and Sumit S. Sur. On the performance of pure and impure parallel functional programs. *Parallel Computing*, 25(13-14):1723–1740, 1999.

[97] David E. Womble, Sudip S. Dosanjh, Bruce Hendrickson, Michael A. Heroux, Steve J. Plimpton, James L. Tomkins, and David S. Greenberg. Massively parallel computing: A sandia perspective. *Parallel Computing*, 25(13-14):1853–1876, 1999.

[98] Jack Worlton. Seymour cray's contributions to supercomputing and parallel computing. *Parallel Computing*, 25(13-14):1569–1582, 1999.

[99] Junji Yamamoto, Takashi Fujiwara, Takuji Komeda, Takayuki Kamei, Toshihiro Hanawa, and Hideharu Amano. Performance evaluation of snail: A multiprocessor based on the simple serial synchronized multistage interconnection network architecture. *Parallel Computing*, 25(9):1081–1103, 1999.

[100] Franco Zambonelli. Exploiting biased load information in direct-neighbour load balancing policies. *Parallel Computing*, 25(6):745–766, 1999.

[101] E.L. Zapata, O. Plata, R. Asenjo, and G.P. Trabado. Data-parallel support for numerical irregular problems. *Parallel Computing*, 25(13-14):1971–1994, 1999.

[102] Stavros A. Zenios. High-performance computing in finance: The last 10 years and the next. *Parallel Computing*, 25(13-14):2149–2175, 1999.