

References

- [1] David A. Bader, Virat Agarwal, and Seunghwa Kang. Computing discrete transforms on the cell broadband engine. *Parallel Computing*, 35(3):119–137, 2009.
- [2] Daniel Becker, Rolf Rabenseifner, Felix Wolf, and John C. Linford. Scalable timestamp synchronization for event traces of message-passing applications. *Parallel Computing*, 35(12):595–607, 2009.
- [3] Suresh Behara and Sanjay Mittal. Parallel finite element computation of incompressible flows. *Parallel Computing*, 35(4):195–212, 2009.
- [4] Anne Benoit, Mourad Hakem, and Yves Robert. Contention awareness and fault-tolerant scheduling for precedence constrained tasks in heterogeneous systems. *Parallel Computing*, 35(2):83–108, 2009.
- [5] Julian Borrill, Leonid Oliker, John Shalf, Hongzhang Shan, and Andrew Uselton. Hpc global file system performance analysis using a scientific-application derived benchmark. *Parallel Computing*, 35(6):358–373, 2009.
- [6] Alfredo Buttari, Julien Langou, Jakub Kurzak, and Jack Dongarra. A class of parallel tiled linear algebra algorithms for multicore architectures. *Parallel Computing*, 35(1):38–53, 2009.
- [7] Arquimedes Canedo, Ben A. Abderazek, and Masahiro Sowa. Efficient compilation for queue size constrained queue processors. *Parallel Computing*, 35(4):213–225, 2009.
- [8] I. Marín Carrión, E. Arias Antúnez, M.M. Artigao Castillo, J.J. Águila Guerrero, and J.J. Miralles Canals. Thread-based implementations of the false nearest neighbors method. *Parallel Computing*, 35(10-11):523–534, 2009.
- [9] Ching-Wen Chen, Chuan-Chi Weng, and Chang-Jung Ku. An overlapping and pipelining data transmission mac protocol with multiple channels in ad hoc networks. *Parallel Computing*, 35(6):313–330, 2009.
- [10] Ricardo C. Corrêa and Valmir C. Barbosa. Partially ordered distributed computations on asynchronous point-to-point networks. *Parallel Computing*, 35(1):12–28, 2009.

- [11] Fabrício A.B. da Silva and Hermes Senger. Improving scalability of bag-of-tasks applications running on master-slave platforms. *Parallel Computing*, 35(2):57–71, 2009.
- [12] L.K.S. Daldorff and B. Eliasson. Parallelization of a vlasov-maxwell solver in four-dimensional phase space. *Parallel Computing*, 35(2):109–115, 2009.
- [13] Lih-Yuan Deng, Huajiang Li, and Jyh-Jen Horng Shiau. Scalable parallel multiple recursive generators of large order. *Parallel Computing*, 35(1):29–37, 2009.
- [14] Anshu Dubey, Katie Antypas, Murali K. Ganapathy, Lynn B. Reid, Katherine Riley, Dan Sheeler, Andrew Siegel, and Klaus Weide. Extensible component-based architecture for flash, a massively parallel, multiphysics simulation code. *Parallel Computing*, 35(10-11):512–522, 2009.
- [15] Markus Geimer, Felix Wolf, Brian J.N. Wylie, and Bernd Mohr. A scalable tool architecture for diagnosing wait states in massively parallel applications. *Parallel Computing*, 35(7):375–388, 2009.
- [16] Arturo González-Escribano, Arjan J.C. van Gemund, and Valentín Cardeñoso-Payo. Performance implications of synchronization structure in parallel programming. *Parallel Computing*, 35(8-9):455–474, 2009.
- [17] L. Grinberg, D. Pekurovsky, S.J. Sherwin, and G.E. Karniadakis. Parallel performance of the coarse space linear vertex solver and low energy basis preconditioner for spectral/hp elements. *Parallel Computing*, 35(5):284–304, 2009.
- [18] David J. Hardy, John E. Stone, and Klaus Schulten. Multilevel summation of electrostatic potentials using graphics processing units. *Parallel Computing*, 35(3):164–177, 2009.
- [19] Gerold Jäger and Clemens Wagner. Efficient parallelizations of hermite and smith normal form algorithms. *Parallel Computing*, 35(6):345–357, 2009.
- [20] Bin Jia. Process cooperation in multiple message broadcast. *Parallel Computing*, 35(12):572–580, 2009.

- [21] Taro Konda and Yoshimasa Nakamura. A new algorithm for singular value decomposition and its parallelization. *Parallel Computing*, 35(6):331–344, 2009.
- [22] Tz-Liang Kueng, Cheng-Kuan Lin, Tyne Liang, Jimmy J.M. Tan, and Lih-Hsing Hsu. Embedding paths of variable lengths into hypercubes with conditional link-faults. *Parallel Computing*, 35(8-9):441–454, 2009.
- [23] Jakub Kurzak, Wesley Alvaro, and Jack Dongarra. Optimizing matrix multiplication for a short-vector simd architecture — cell processor. *Parallel Computing*, 35(3):138–150, 2009.
- [24] Tien-Yien Li and Chih-Hsiung Tsai. Hom4ps-2.0para: Parallelization of hom4ps-2.0 for solving polynomial systems. *Parallel Computing*, 35(4):226–238, 2009.
- [25] Yaohang Li, Michael Mascagni, and Andrey Gorin. A decentralized parallel implementation for parallel tempering algorithm. *Parallel Computing*, 35(5):269–283, 2009.
- [26] Diane Lingrand, Tristan Glatard, and Johan Montagnat. Modeling the latency on production grids with respect to the execution context. *Parallel Computing*, 35(10-11):493–511, 2009.
- [27] Hatem Ltaief and Marc Garbey. A parallel aitken-additive schwarz waveform relaxation suitable for the grid. *Parallel Computing*, 35(7):416–428, 2009.
- [28] Hamid Mahini and Hamid Sarbazi-Azad. Resource placement in three-dimensional tori. *Parallel Computing*, 35(10-11):535–543, 2009.
- [29] X. Meng and V. Chaudhary. Boosting data throughput for sequence database similarity searches on fpgas using an adaptive buffering scheme. *Parallel Computing*, 35(1):1–11, 2009.
- [30] Jeremy S. Meredith, Gonzalo Alvarez, Thomas A. Maier, Thomas C. Schulthess, and Jeffrey S. Vetter. Accuracy and performance of graphics processors: A quantum monte carlo application case study. *Parallel Computing*, 35(3):151–163, 2009.

- [31] Henning Meyerhenke, Burkhard Monien, and Stefan Schamberger. Graph partitioning and disturbed diffusion. *Parallel Computing*, 35(10-11):544–569, 2009.
- [32] Won W. Ro and Jean-Luc Gaudiot. A complexity-effective microprocessor design with decoupled dispatch queues and prefetching. *Parallel Computing*, 35(5):255–268, 2009.
- [33] Antonio Robles-Gómez, Aurelio Bermúdez, Rafael Casado, and Åshild Grønstad Solheim. A dynamic distributed mechanism for reconfiguring high-performance networks. *Parallel Computing*, 35(6):305–312, 2009.
- [34] Peter Sanders, Jochen Speck, and Jesper Larsson Träff. Two-tree algorithms for full bandwidth broadcast, reduction and scan. *Parallel Computing*, 35(12):581–594, 2009.
- [35] Jay Smith, Vladimir Shestak, Howard Jay Siegel, Suzy Price, Larry Teklits, and Prasanna Sugavanam. Robust resource allocation in a cluster based imaging system. *Parallel Computing*, 35(7):389–400, 2009.
- [36] Rajeev Thakur and William Gropp. Test suite for evaluating performance of multithreaded mpi communication. *Parallel Computing*, 35(12):608–617, 2009.
- [37] Ananta Tiwari, Vahid Tabatabaee, and Jeffrey K. Hollingsworth. Tuning parallel applications in parallel. *Parallel Computing*, 35(8-9):475–492, 2009.
- [38] Sid-Ahmed-Ali Touati and Zsolt Mathe. Periodic register saturation in innermost loops. *Parallel Computing*, 35(4):239–254, 2009.
- [39] Cole Trapnell and Michael C. Schatz. Optimizing data intensive gpgpu computations for dna sequence alignment. *Parallel Computing*, 35(8-9):429–440, 2009.
- [40] Yang Wang, Ming Zhu, and Hua Li. A distributed key message algorithm to optimize the communication in clusters. *Parallel Computing*, 35(7):401–415, 2009.

- [41] Yuh-Rau Wang. A novel $O(1)$ time algorithm for 3d block-based medial axis transform by peeling corner shells. *Parallel Computing*, 35(2):72–82, 2009.
- [42] Samuel Williams, Leonid Oliker, Richard Vuduc, John Shalf, Katherine Yelick, and James Demmel. Optimization of sparse matrix-vector multiplication on emerging multicore platforms. *Parallel Computing*, 35(3):178–194, 2009.