A Bibliography of Supercomputing '90

Nelson H. F. Beebe
University of Utah
Department of Mathematics, 110 LCB
155 S 1400 E RM 233
Salt Lake City, UT 84112-0090
USA

Tel: +1 801 581 5254
FAX: +1 801 581 4148

E-mail: `beebe@math.utah.edu` (Internet)
WWW URL: `http://www.math.utah.edu/~beebe/`

10 February 2022
Version 1.04

Abstract

This bibliography records articles presented at the Supercomputing '90 conference.

Title word cross-reference

References

Angerson:1990:LPL

[ABD+90] E. Angerson, Z. Bai, J. Dongarra, A. Greenbaum, A. McKenney, J. Du Croz, S. Hammarling, J. Demmel, C. Bischof, and D. Sorensen. LAPACK: A portable linear algebra library for high-performance computers. In IEEE [IEE90], pages 2–11. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Agrawal:1990:PEM

[AC90] V. D. Agrawal and S. T. Chakradhar. Performance estimation in a massively parallel system. In IEEE [IEE90], pages 306–313. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Algudady:1990:WUC

[ADT90] M. S. Algudady, C. R. Das, and M. J. Thazhuthaveetil. A write update cache coherence protocol for MIN-based multiprocessors with accessibility-based split caches. In IEEE [IEE90], pages 544–553. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Ahmad:1990:SDT

[AG90] I. Ahmad and A. Ghafoor. A semi distributed task allocation strategy for large hypercube supercomputers. In IEEE [IEE90], pages 898–907. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Alverson:1990:FCA

[AGNS90] G. A. Alverson, W. G. Griswold, D. Notkin, and L. Snyder. A flexible communication abstraction for nonshared memory parallel computing. In IEEE [IEE90], pages 584–593. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Azmy:1990:AMP

[Azm90] Y. Y. Azmy. On the adequacy of message-passing parallel supercomputers for solving neutron transport problems. In IEEE [IEE90], pages 693–699. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Bagrodia:1990:ULC

[BCK90] R. Bagrodia, K. M. Chandy, and E. Kwan. UC: a language for the Connection Machine. In IEEE [IEE90], pages 525–534. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Baba:1990:NIT

[BIY90] T. Baba, Y. Iwamoto, and T. Yoshinaga. A network-topology independent task allocation strategy for parallel computers. In IEEE [IEE90], pages 878–887. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Berliner:1990:TCE

[BKN90] H. Berliner, D. Kopec, and E. Northam. A taxonomy of concepts for evaluating chess strength. In IEEE [IEE90], pages 336–343. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Brunet:1990:OHD

[BME90] J.-P. Brunet, J. P. Mesirov, and A. Edelman. An optimal hypercube direct N-body solver on the Connection Machine. In IEEE [IEE90], pages 748–752. ISBN

0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Beckmann:1990:FBS

[BP90] C. J. Beckmann and C. D. Polychronopoulos. Fast barrier synchronization hardware. In IEEE [IEE90], pages 180–189. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Briens:1990:ASS

[BW90] F. J. L. Briens and C. H. Wu. Application of sequential staging of tasks to petroleum reservoir modeling. In IEEE [IEE90], pages 428–435. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Baba:1990:POT

[BYI+90] T. Baba, T. Yoshinaga, T. Iijima, Y. Iwamoto, Hamada, M., and M. Suzuki. A parallel object-oriented total architecture: A-NET. In IEEE [IEE90], pages 276–285. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Chatterjee:1990:SPV

[CBZ90] S. Chatterjee, G. E. Blelloch, and M. Zagha. Scan primitives for vector computers. In IEEE [IEE90], pages 666–675. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Chung:1990:EPL

[CC90] M. J. Chung and Y. Chung. Efficient parallel logic simulation techniques for the Connection Machine. In IEEE [IEE90], pages 606–614. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Chou:1990:UH

[CD90] C.-H. Chou and D. H. C. Du. Unidirectional hypercubes. In IEEE [IEE90], pages 254–263. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Chittor:1990:PEM

[CE90] S. Chittor and R. Enbody. Performance evaluation of mesh-connected wormhole-routed networks for interprocessor communication in multicomputers. In IEEE [IEE90], pages 647–656. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Cann:1990:SVF

[CF90a] D. Cann and J. Feo. SISAL versus Fortran: a comparison using the Livermore Loops. In IEEE [IEE90], pages 626–636. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Chen:1990:TPP

[CF90b] Wen-Tsuen Chen and Ming-Yi Fang. Theorem proving in propositional logic on vector computers using a generalized Davis-Putman procedure. In IEEE [IEE90], pages 658–665. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Cvetanovic:1990:EDP

[CFN90a] Z. Cvetanovic, E. G. Freedman, and C. Nofsinger. Efficient decomposition and performance of parallel PDE, FFT, Monte Carlo simulations, simplex, and sparse solvers. In IEEE [IEE90], pages 465–474. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Cvetanovic:1990:PBD

[CFN90b] Z. Cvetanovic, E. G. Freedman, and C. Nofsinger. Perfect Benchmarks decomposition and performance on VAX multiprocessors. In IEEE [IEE90], pages 455–464. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Chow:1990:SSM

[CH90] J.-H. Chow and W. L. Harrison, III. Switch-stacks: A scheme for microtasking nested parallel loops. In IEEE [IEE90], pages 190–199. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback:

ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Chen:1990:HBD

[Che90] D. Chen. Hierarchical blocking and data flow analysis for numerical linear algebra. In IEEE [IEE90], pages 12–19. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Colwell:1990:AIV

[CHJ+90] R. P. Colwell, W. E. Hall, C. S. Joshi, D. B. Papworth, P. K. Rodman, and J. E. Tornes. Architecture and implementation of a VLIW supercomputer. In IEEE [IEE90], pages 910–919. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Christon:1990:VFE

[Chr90] M. Christon. A vectorized 3-D finite element model for transient simulation of two-phase heat transport with phase transformation and a moving interface. In IEEE [IEE90], pages 436–445. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Clinger:1990:VHP

[Cli90] M. Clinger. Very high performance networking for supercomputing. In IEEE [IEE90], pages 160–168. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Cytron:1990:CAS

[CLS90] R. Cytron, J. Lipkis, and E. Schonberg. A compiler-assisted approach to SPMD execution. In IEEE [IEE90], pages 398–406. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Celmaster:1990:PRT

[CM90] W. Celmaster and E. N. May. Parallelization of a radiation transport simulation code on the BBN TC2000 parallel computer. In IEEE [IEE90], pages 448–454. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback:

ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Callahan:1990:DCP

[CP90] D. Callahan and A. Porterfield. Data cache performance of supercomputer applications. In IEEE [IEE90], pages 564–572. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Chalasani:1990:FRM

[CRV90] S. Chalasani, C. S. Raghavendra, and A. Varma. Fault-tolerant routing in MIN-based supercomputers. In IEEE [IEE90], pages 244–253. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Duff:1990:PAR

[Duf90] I. S. Duff. Parallel algorithm research at CERFACS. In IEEE [IEE90], pages 536–542. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Ess:1990:FRC

[Ess90] M. Ess. Folding RNA on the Cray-2. In IEEE [IEE90], pages 103–111. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Fineberg:1990:EAC

[FCS90] S. A. Fineberg, T. L. Casavant, and H. J. Siegel. Experimental analysis of communication/data-conditional aspects of a mixed-mode parallel architecture via synthetic computations. In IEEE [IEE90], pages 637–646. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

French:1990:SNS

[Fre90] W. L. French. Supercomputer network selection: A case study. In IEEE [IEE90], pages 154–159. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Filippone:1990:VLS

[FSV90] Salvatore Filippone, Paolo Santangelo, and Marcello Vitaletti. A vectorized long-period shift-register random number generator. In IEEE [IEE90], pages 676–684. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Gupta:1990:IIC

[GC90] R. Gupta and C.-H. Chi. Improving instruction cache behavior by reducing cache pollution. In IEEE [IEE90], pages 82–91. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Gupta:1990:DRB

[GEW90] R. Gupta, M. Epstein, and M. Whelan. The design of a RISC based multiprocessor chip. In IEEE [IEE90], pages 920–929. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Gupta:1990:LDA

[Gup90] R. Gupta. Loop displacement: an approach for transforming and scheduling loops for parallel execution. In IEEE [IEE90], pages 388–397. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Hanson:1990:RIS

[Han90] F. B. Hanson. A real introduction to supercomputing: a user training course. In IEEE [IEE90], pages 376–385. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Harkin:1990:PAD

[Har90] G. J. Harkin. Parameterized algorithm decomposition and performance analysis. In IEEE [IEE90], pages 314–323. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Hsu:1990:MPC

[HB90] J.-M. Hsu and P. Banerjee. A message passing coprocessor for distributed memory multicomputers. In IEEE [IEE90], pages 720–729. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Harrand:1990:SDV

[HCZ90] V. J. Harrand, A. Choudry, and J. P. Ziebarth. Scientific data visualization: a formal introduction to the rendering and geometric modeling aspects. In IEEE [IEE90], pages 775–783. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Hake:1990:IMO

[HH90] J.-F. Hake and W. Homberg. The impact of memory organization on the performance of matrix multiplication. In IEEE [IEE90], pages 34–40. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Hohl:1990:QMM

[HIJ90] D. Hohl, R. Idaszak, and R. O. Jones. Quantum molecular modeling with simulated annealing — a distributed processing and visualization application. In IEEE [IEE90], pages 816–825. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Havlak:1990:EIA

[HK90] P. Havlak and K. Kennedy. Experience with interprocedural analysis of array side effects. In IEEE [IEE90], pages 952–961. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Hood:1990:PPD

[HKMC90] R. Hood, K. Kennedy, and J. Mellor-Crummey. Parallel program debugging with on-the-fly anomaly detection. In IEEE [IEE90], pages 74–81. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Hansen:1990:EPA

[HLB90] G. J. Hansen, C. A. Linthicum,

and G. Brooks. Experience with a performance analyzer for multithreaded applications. In IEEE [IEE90], pages 124–131. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Huang:1990:IOM

[HMMP90] S. Huang, K. J. M. Moriarty, E. A. Myers, and J. Potvin. Information optimization for Monte Carlo data and application to high-temperature quantum chromodynamics. In IEEE [IEE90], pages 742–747. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Hyatt:1990:CSD

[HN90] R. M. Hyatt and H. L. Nelson. Chess and supercomputers: details about optimizing Cray Blitz. In IEEE [IEE90], pages 354–363. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Heggy:1990:ASR

[HS90] B. Heggy and M. L. Soffa. Architectural support for register allocation in the presence of aliasing. In IEEE [IEE90], pages 730–739. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Hsiung:1990:TDV

[HTCD90] P.-K. Hsiung, R. H. Thibadeau, C. B. Cox, and R. H. P. Dunn. Time dilation visualization in relativity. In IEEE [IEE90], pages 835–844. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

IEEE:1990:PSN

[IEE90] IEEE, editor. *Proceedings, Supercomputing '90: November 12–16, 1990, New York Hilton at Rockefeller Center, New York, New York*. IEEE Computer Society Press, 1109 Spring Street, Suite 300, Silver Spring, MD 20910, USA, 1990. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press or-

der number 2056. IEEE catalog number 90CH2916-5.

Ito:1990:MCS

[IK90] N. Ito and Y. Kanada. Monte Carlo simulation of the Ising model and random number generation on the vector processor. In IEEE [IEE90], pages 753–763. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Johnson:1990:MAP

[JHJ90] R. W. Johnson, C.-H. Huang, and J. R. Johnson. Multilinear algebra and parallel programming. In IEEE [IEE90], pages 20–31. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Kasahara:1990:PPN

[KHN90] H. Kasahara, H. Honda, and S. Narita. Parallel processing of near fine grain tasks using static scheduling on OSCAR (optimally scheduled advanced multiprocessor). In IEEE [IEE90], pages 856–864. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Kennedy:1990:LDA

[KM90] K. Kennedy and K. S. McKinley. Loop distribution with arbitrary control flow. In IEEE [IEE90], pages 407–416. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Kamel:1990:LSC

[KSZ90] A. Kamel, P. Sguazzero, and V. Zecca. Large scale computing on clustered vector multiprocessors. In IEEE [IEE90], pages 418–427. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Li:1990:GEC

[LC90a] J. Li and M. Chen. Generating explicit communication from shared-memory program references. In IEEE [IEE90], pages 865–876. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press or-

der number 2056. IEEE catalog number 90CH2916-5.

Lu:1990:SDT

[LC90b] L.-C. Lu and M. C. Chen. Subdomain dependence test for massive parallelism. In IEEE [IEE90], pages 962–972. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Langlie:1990:CSH

[LCD90] S. Langlie, W. Cheng, and I. Dilber. Computer simulation of high-speed impact response of composites. In IEEE [IEE90], pages 826–834. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Lee:1990:PDF

[LMR90] Y.-F. Lee, T. J. Marlowe, and B. G. Ryder. Performing data flow analysis in parallel. In IEEE [IEE90], pages 942–951. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Lucco:1990:DEC

[LS90] S. Lucco and O. Sharp. Delirium: an embedding coordination language. In IEEE [IEE90], pages 515–524. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Menasce:1990:CAH

[MA90] D. Menasce and V. Almeida. Cost-performance analysis of heterogeneity in supercomputer architectures. In IEEE [IEE90], pages 169–177. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Maples:1990:HMI

[Map90] C. Maples. A high-performance, memory-based interconnection system for multicomputer environments. In IEEE [IEE90], pages 295–304. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Maltby:1990:MMC

[MK90] J. D. Maltby and B. T. Kornblum.

MONT3E: A Monte Carlo electron heat transfer code. In IEEE [IEE90], pages 700–707. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Malony:1990:TAP

[MLR90] A. D. Malony, J. L. Larson, and D. A. Reed. Tracing application program execution on the Cray X-MP and Cray 2. In IEEE [IEE90], pages 60–73. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Mueller-Thuns:1990:DSP

[MTSA90] R. B. Mueller-Thuns, D. G. Saab, and J. A. Abraham. Design of a scalable parallel switch-level simulator for VLSI. In IEEE [IEE90], pages 615–624. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Natvig:1990:LTC

[Nat90] L. Natvig. Logarithmic time cost optimal parallel sorting is not yet fast in practice. In IEEE [IEE90], pages 486–494. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Nagurney:1990:CLS

[NEK90] A. Nagurney, A. Eydeland, and D.-S. Kim. Computation of large scale constrained matrix problems: the splitting equilibration algorithm. In IEEE [IEE90], pages 214–223. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Okawa:1990:LAP

[OH90] Y. Okawa and N. Haraguchi. A linear array of processors with partially shared memory for parallel solution of PDE. In IEEE [IEE90], pages 41–48. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Potter:1990:MPC

[PC90] D. J. Potter and M. P. Cline. Massively parallel computational methods in light scattering by small particles. In IEEE [IEE90], pages 686–692. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Rothberg:1990:TIP

[RG90] E. Rothberg and A. Gupta. Techniques for improving the performance of sparse matrix factorization on multiprocessor workstations. In IEEE [IEE90], pages 232–241. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Raghavan:1990:RIM

[RH90] R. Raghavan and J. P. Hayes. On randomly interleaved memories. In IEEE [IEE90], pages 49–58. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Roy:1990:PDP

[RNB90] J. M. A. Roy, M. D. Nagel, and L. Bic. Partitioning declarative programs into communicating processes. In IEEE [IEE90], pages 846–855. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Rao:1990:IMP

[RSV90] M. Rao, Z. Segall, and D. Vrsalovic. Implementation machine paradigm for parallel programming. In IEEE [IEE90], pages 594–603. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Ripoll:1990:PMC

[RT90] D. R. Ripoll and S. J. Thomas. A parallel Monte Carlo search algorithm for the conformational analysis of proteins. In IEEE [IEE90], pages 94–102. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Ranka:1990:EMS

[RWY90] S. Ranka, J. Wang, and N. Yeh. Embedding meshes on the star graph. In IEEE [IEE90], pages 476–485. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87

1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Szymanski:1990:DAB

[SF90] T. Szymanski and C. Fang. Design and analysis of buffered crossbars and banyans with cut-through switching. In IEEE [IEE90], pages 264–273. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Smith:1990:FGP

[SHH90] J. E. Smith, W.-C. Hsu, and C. Hsiung. Future general purpose supercomputer architectures. In IEEE [IEE90], pages 796–804. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Sharma:1990:RMC

[SMBSS90] S. Sharma, A. D. Malony, M. W. Berry, and P. Sinvhal-Sharma. Run-time monitoring of concurrent programs on the Cedar multiprocessor. In IEEE [IEE90], pages 784–793. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Shing:1990:RBU

[SN90a] H. Shing and L. M. Ni. Resource binding — a universal approach to parallel programming. In IEEE [IEE90], pages 574–583. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Sun:1990:AVP

[SN90b] X.-H. Sun and L. M. Ni. Another view on parallel speedup. In IEEE [IEE90], pages 324–333. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Stevenson:1990:EBC

[SP90] D. E. Stevenson and R. M. Panoff. Experiences in building the Clemson Computational Sciences Program. In IEEE [IEE90], pages 366–375. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press or-

der number 2056. IEEE catalog number 90CH2916-5.

Shapiro:1990:BBH

[ST90] S. L. Shapiro and S. A. Teukolsky. Building black holes, gravitational waves, and relativistic fluid flows: supercomputer cinema. In IEEE [IEE90], pages 805–814. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Stiller:1990:GGC

[Sti90] L. Stiller. Group graphs and computational symmetry on massively parallel architecture. In IEEE [IEE90], pages 344–353. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Stone:1990:SCS

[Sto90] J. M. Stone. A simple and correct shared-queue algorithm using compare-and-swap. In IEEE [IEE90], pages 495–504. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Simmons:1990:PEI

[SW90] M. L. Simmons and H. J. Wasserman. Performance evaluation of the IBM RISC system/6000: comparison of an optimized scalar processor with two vector processors. In IEEE [IEE90], pages 132–141. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Szymanski:1990:FOH

[Szy90] T. Szymanski. A fiber optic hypermesh for SIMD/MIMD machines. In IEEE [IEE90], pages 710–719. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Tirumalai:1990:PLE

[TLS90] P. Tirumalai, M. Lee, and M. Schlansker. Parallelization of loops with exits on pipelined architectures. In IEEE [IEE90], pages 200–212. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society

Press order number 2056. IEEE catalog number 90CH2916-5.

Traar:1990:HPP

[TMH+90] K. P. Traar, W. Mader, O. Heinreichsberger, Selberherr, S., and M. Stiftinger. High performance preconditioning on supercomputers for the 3D device simulator MINIMOS. In IEEE [IEE90], pages 224–231. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Vishnubhotla:1990:FPA

[Vis90] P. Vishnubhotla. Fine-grain parallelism in the ALPS programming language. In IEEE [IEE90], pages 506–514. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Wolcott:1990:SHC

[WG90] P. Wolcott and S. E. Goodman. Soviet high-speed computers: the new generation. In IEEE [IEE90], pages 930–939. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Williams:1990:CTS

[WMK90] E. Williams, C. T. Myers, and R. Koskela. The characterization of two scientific workloads using the CRAY X-MP performance monitor. In IEEE [IEE90], pages 142–152. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Welling:1990:PLF

[WNA90] J. Welling, C. Nuuja, and P. Andrews. P3D: A Lisp-based format for representing general 3D models. In IEEE [IEE90], pages 766–774. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Willis:1990:CCS

[WSH90] J. C. Willis, A. C. Sanderson, and C. R. Hill. Cache coherence in systems with parallel communication channels and many processors. In IEEE [IEE90], pages 554–563. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903.

IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

White:1990:PCA

[WTW90] S. W. White, D. C. Torney, and C. C. Whittaker. A parallel computational approach using a cluster of IBM ES/3090 600Js for physical mapping of chromosomes. In IEEE [IEE90], pages 112–121. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Xu:1990:HMD

[XH90] J. Xu and K. Hwang. Heuristic methods for dynamic load balancing in a message-passing supercomputer. In IEEE [IEE90], pages 888–897. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.

Zhou:1990:PCM

[Zho90] J. X. Zhou. A parallel computer model supporting procedure-based communication. In IEEE [IEE90], pages 286–294. ISBN 0-8186-2056-0 (paperback: IEEE Computer Society), 0-89791-412-0 (paperback: ACM). LCCN QA 76.88 S87 1990. ACM order number 415903. IEEE Computer Society Press order number 2056. IEEE catalog number 90CH2916-5.