A Bibliography of Supercomputing '88

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Abstract

This bibliography records articles presented at the Supercomputing '88 conference.

Title word cross-reference

$95800^4 + 217519^4 + 414560^4 = 422481^4$ [Fry88].

1 [HSS88]. **1-port** [hTDT88]. **10** [BK88, DSS88].

2 [BTR88, EJL88, SS88, SW88, Swi88, TSM88, LMT88]. **200** [BK88]. **205** [BK88].

3D [PS88].

416 [SW88].

80 [EML88]. **820/80** [EML88]. **'88** [IEE88, ML88].

Adaptation [RS88]. **aerodynamics** [PB88]. **algorithm** [AG88, BF88, Bis88, NPD88, RS88, Swi88]. **algorithms** [Dub88, OG88, Yos88]. **alignments** [SD88b]. **Analysis** [PS88, Aki88, IMS88]. **ANSYS** [HMB+88]. **applications** [CC88, GGGJ88, Hol88]. **approach** [Yos88]. **architecture** [CGMW88, DG88, KS88, PS88, TS88]. **area** [WL88]. **ARGOT** [OS88]. **arithmetic** [Kan88]. **array** [LK88]. **arrays** [DC88, GT88]. **Assessing** [ACM88]. **assessment** [CF88]. **associative** [SWC88]. **automata** [BTR88]. **automatic** [TK88].

based [RKZ88]. **BBN** [OS88]. **Benchmarking** [GJ88, SS88]. **benefits** [ACM88]. **birth** [EML88]. **block**

[Dub88, EJL88]. **Boeing** [GKS88]. **bottlenecks** [IL88]. **Breakthroughs** [SC88]. **buffer** [FM88]. **Butterfly** [OS88].

C [SW88]. **C-MP** [SW88]. **C-MP/416** [SW88]. **C240** [CGMW88]. **cache** [SD88a]. **calculation** [Kan88]. **Carlo** [PB88]. **Cedar** [GPHL88]. **cellular** [BTR88]. **census** [Bur88]. **CFD** [Aki88]. **chaining** [hTDT88]. **change** [CF88, Rob88, Wor88]. **change-human** [CF88]. **chemistry** [WP88]. **climate** [SC88]. **clustering** [RS88]. **CM** [BTR88, LMT88]. **CM-2** [BTR88, LMT88]. **coalitions** [SD88b]. **code** [IMS88]. **comparison** [LMT88, SW88]. **compilation** [BK88]. **compiler** [TK88]. **compilers** [CDL88]. **Compiling** [Dra88, GP88, TIGU88]. **Complementary** [Bur88]. **compression** [BRM88]. **computational** [BBM88, Hol88]. **computations** [CC88]. **Computer** [WP88, Abe88, BTR88, Bur88, HMB+88, TIGU88]. **computers** [GJ88, Wor88]. **computing** [BCC+88, LK88]. **Congress** [SD88b]. **conjugate** [NPR88]. **conjugate-gradient** [NPR88]. **Connection** [BTR88, Fry88, LMT88, SS88, TSM88]. **Convex** [CGMW88]. **cosmic** [Mat88]. **Council** [DEDR88]. **CPU** [EJL88]. **Cray** [EJL88, FY88, SW88, Swi88]. **Cray-2** [EJL88, SW88, Swi88]. **CRegs** [DC88]. **Cyber** [BK88].

data [BRM88, SWC88]. **database** [Bur88]. **dataflow** [ACM88, DG88, HSS88, IL88]. **decimal** [Kan88]. **defined** [GT88]. **Delaunay** [FY88]. **derivation** [Yos88]. **Design** [FM88, Nev88, SD88a]. **Development** [HTSH88, AG88]. **dialects** [GPHL88]. **digits** [Kan88]. **dimensional** [FY88, OG88, Swi88]. **discord** [Nev88]. **disk** [IH88]. **display** [SSG88]. **Distributed** [JHH+88]. **dynamic** [IL88]. **dynamics** [Hol88].

Efficient [HSS88, DG88]. **efforts** [Aki88]. **Elimination** [IL88]. **engine** [WP88]. **environment** [GGGJ88]. **equations** [TSM88, Yos88]. **ETA** [BK88, DSS88]. **ETA-10** [BK88]. **evaluation** [BK88]. **execution** [RS88]. **experiments** [BBM88]. **extensions** [TK88].

FACOM [IH88]. **factorization** [Bis88]. **fast** [CC88]. **Faust** [GGGJ88]. **Finding** [Fry88]. **fine** [ACM88]. **fine-grain** [ACM88]. **first** [TIGU88]. **first-order** [TIGU88]. **Florida** [IEE88, ML88]. **flow** [Aki88, BTR88, SWC88]. **fluid** [Hol88]. **form** [Dub88]. **Fortran** [BK88, GPHL88]. **Fourier** [CC88]. **frame** [FM88]. **framework** [CF88]. **free** [SD88a].

generated [BK88]. **generation** [EML88]. **Global** [CF88, Rob88]. **gradient** [NPR88]. **grain** [ACM88]. **graphics** [Mat88]. **Growing** [Nev88].

hardware [Nev88, Yos88]. **Hessenberg** [Dub88]. **high** [BF88, BCC+88, LK88, SD88a, Wor88]. **high-performance** [SD88a, Wor88]. **high-speed** [BF88, BCC+88, LK88]. **Highly** [NPD88]. **Hitachi** [EML88]. **Horizon** [CC88, Dra88, Gle88, Kop88, KS88, TS88]. **HORSE** [Kop88]. **Householder** [Dub88]. **human** [CF88]. **hyperplane** [GT88].

I-NET [WW88]. **III** [OS88]. **impact** [GJ88]. **implementation** [FM88]. **incompressible** [TSM88]. **influence** [Rob88]. **instructions** [WW88]. **integrated** [BCC+88]. **integration** [GKS88]. **interaction** [Mat88]. **interactions** [CF88]. **Interactive** [SSG88]. **inversion** [BF88]. **IPP** [Abe88]. **Ising** [DSS88]. **ISODATA** [RS88]. **issue** [SD88b]. **issues** [GP88]. **issuing** [WW88]. **iWarp** [BCC+88].

job [HTSH88]. **job-job** [HTSH88]. **Joint** [DEDR88].

kernel [HMB+88]. **kind** [DC88]. **knock** [WP88].

language [TK88]. **large** [NPR88]. **large-scale** [NPR88]. **Linda** [WL88]. **linear** [LK88, TIGU88]. **local** [Bis88, WL88]. **lockup** [SD88a]. **lockup-free** [SD88a]. **LSOLVE** [HMB+88].

Machine [SS88, TSM88, BTR88, Fry88, LMT88]. **made** [SC88]. **magneto** [IH88]. **magneto-optic** [IH88]. **making** [JHH+88]. **Mass** [Bed88, CDK88, RKZ88]. **matrix** [BF88, CC88, Dub88]. **mechanism** [WW88]. **memory** [DC88, PS88]. **methods** [NPR88]. **metrics** [LMT88]. **minimization** [NPR88]. **mixed** [LJ88]. **model** [DSS88]. **modeling** [SC88, WP88]. **molecular** [PB88]. **Monte** [PB88]. **movie** [JHH+88]. **MP** [FY88]. **MP/416** [SW88]. **Multi** [SD88b]. **Multi-issue** [SD88b]. **multiple** [Kan88, WW88]. **multiple-precision** [Kan88]. **multiprocessor** [LJ88, OS88]. **multiprocessors** [SD88a]. **Multitasking** [DSS88, Swi88]. **multivariate** [CF88].

NAL [Aki88, HTSH88]. **Navier** [Swi88, TSM88]. **NET** [WW88]. **network** [PS88, WL88]. **Newton** [BF88]. **no** [TK88]. **nonstationary** [Aki88]. **November** [IEE88, ML88]. **nuclear** [IMS88]. **numerical** [HTSH88].

ocean [SC88]. **optic** [IH88]. **Optimal** [LJ88]. **order** [TIGU88]. **Orlando** [IEE88, ML88]. **other** [GPHL88].

Parallel [AG88, BBM88, Bis88, BCC+88, GJ88, GGGJ88, GPHL88, HMB+88, IMS88, SSG88]. **parallelism** [ACM88]. **parallelizable** [BF88]. **Pascal** [TK88]. **patterns** [Wor88]. **Performance** [Gle88, SW88, EJL88, GJ88, SD88a, Wor88]. **personal** [Bur88]. **phase** [BTR88]. **philosophy** [Nev88]. **physical** [GJ88]. **pi** [Kan88]. **pipelined** [DG88]. **pivoting** [Bis88]. **plumes** [OG88]. **pointers** [DC88]. **policies** [LJ88]. **Polycyclic** [hTDT88]. **port** [hTDT88]. **possible** [SC88]. **pre** [BK88]. **pre-compilation** [BK88]. **precision** [Kan88]. **prediction** [Gle88]. **Present** [Abe88]. **problem** [PB88]. **Proceedings** [IEE88, ML88]. **processing** [BBM88, Bur88, HSS88, IMS88]. **processor** [DG88, TS88]. **processors** [IL88]. **Profiles** [CDK88]. **program** [GKS88, HMS88, Kan88]. **programmable** [LK88]. **programming** [GGGJ88, Nev88]. **programs** [ACM88]. **project** [Bur88]. **protein** [LMT88].

QR [Bis88].

Rayleigh [PB88]. **reactor** [IMS88, NPD88]. **recurrence** [Yos88]. **recurrences** [TIGU88]. **recursively** [GT88]. **reduction** [Dub88]. **referencing** [DC88]. **RELAP5** [IMS88]. **Research** [DEDR88, Mat88]. **results** [CDL88].

S [EML88]. **S-820** [EML88]. **S-820/80** [EML88]. **scalar** [LJ88]. **scalar-vector** [LJ88]. **scale** [NPR88]. **scheduler** [HTSH88]. **scheduling** [EJL88, LJ88, hTDT88]. **scheme** [BRM88]. **scientific** [GGGJ88, HMS88, JHH+88, Phi88, SSG88]. **second** [EML88]. **sequence** [LMT88]. **set** [BBM88]. **shared** [PS88]. **SIGMA** [HSS88]. **SIGMA-1** [HSS88]. **simulation** [Abe88, BTR88, GJ88, Kop88, NPD88, OG88, PB88]. **simulator** [HTSH88]. **software** [GJ88, KS88]. **solar** [Rob88]. **solution** [BCC+88, TSM88]. **Some** [Wor88]. **space**

[NPD88]. **sparse** [CC88]. **Spectral** [TSM88]. **speed** [BF88, BCC+88, LK88]. **Squeezing** [EJL88]. **static** [SWC88]. **status** [Abe88]. **step** [HTSH88]. **Stokes** [Swi88, TSM88]. **storage** [Bed88, CDK88, RKZ88]. **Strassen** [BF88]. **Strassen-Newton** [BF88]. **strategy** [OS88]. **strings** [Mat88]. **Study** [LMT88, CC88, Mat88]. **sub** [IH88]. **sub-system** [IH88]. **suite** [CDL88]. **Supercomputer** [GKS88, Hol88, Bur88, CC88, DSS88, FM88, Gle88, HSS88, Kop88, RS88, SD88b]. **supercomputer/personal** [Bur88]. **supercomputers** [BBM88, BRM88, GP88, LJ88, RKZ88, SC88, SW88, hTDT88]. **Supercomputing** [Aki88, IEE88, ML88, Bed88, DEDR88, HMS88, KS88, WL88]. **support** [Bed88]. **symbolic** [GT88]. **system** [FM88, IH88, KS88, RKZ88]. **systems** [CDK88, NPD88].

tale [CDK88]. **teaching** [Mat88]. **techniques** [SSG88, TIGU88]. **technological** [Wor88]. **templates** [SWC88]. **test** [CDL88]. **Three** [FY88, OG88, Swi88]. **Three-dimensional** [OG88, Swi88]. **today** [SC88]. **Tokenless** [SWC88]. **tomorrow** [SC88]. **tools** [BK88]. **toroidal** [PS88]. **training** [HMS88]. **transform** [CC88]. **transformation** [GT88]. **transformational** [Yos88]. **transient** [IMS88, NPD88]. **triangulation** [FY88]. **Tuning** [HMB+88]. **two** [BTR88, CC88, CDK88]. **two-phase** [BTR88].

underexpanded [OG88]. **unit** [DEDR88]. **Unix** [RKZ88]. **upwind** [OG88]. **users** [HMS88]. **Using** [WL88, Bis88, OG88, SWC88].

V [TK88]. **V-Pascal** [TK88]. **Vector** [IMS88, BK88, EJL88, GJ88, GPHL88, HSS88, LJ88, RS88, TIGU88, hTDT88]. **Vectorization** [Kan88, NPR88]. **Vectorized** [PB88, NPD88]. **Vectorizing** [CDL88, TK88]. **video** [JHH+88]. **visualization** [Phi88, SSG88]. **voting** [SD88b]. **vs** [hTDT88].

workbench [AG88, Phi88].

X [FY88]. **X-MP** [FY88].

References

Abe:1988:PSC

[Abe88] Y. Abe. Present status of computer simulation at IPP. In Martin and Lundstrom [ML88], pages 72–80. ISBN 0-8186-0882-X (v. 1; paper), 0-8186-8882-3 (v. 1; case), 0-8186-4882-1 (v. 1: microfiche) 0-8186-8923-4 (v. 2), 0-8186-5923-X (v. 2: microfiche), 0-8186-8923-4 (v. 2: case). LCCN QA76.5 .S894 1988. Two volumes. IEEE catalog number 88CH2617-9. IEEE Computer Society Order Number 882.

Arvind:1988:ABF

[ACM88] Arvind, D. E. Culler, and G. K. Maa. Assessing the benefits of fine-grain parallelism in dataflow programs. In IEEE [IEE88], pages 60–69. ISBN 0-8186-0882-X (v. 1; paper), 0-8186-8882-3 (v. 1; case), 0-8186-4882-1 (v. 1: microfiche) 0-8186-8923-4 (v. 2), 0-8186-5923-X (v. 2: microfiche), 0-8186-8923-4 (v. 2: case). LCCN QA76.5 .S894 1988. Two volumes. Available from IEEE Service Center (Cata-

log number 88CH2617-9), Piscataway, NJ, USA.

Arya:1988:PAD

[AG88] S. Arya and B. Gaither. Parallel algorithm development workbench. In IEEE [IEE88], pages 11–17. ISBN 0-8186-0882-X (v. 1; paper), 0-8186-8882-3 (v. 1; case), 0-8186-4882-1 (v. 1: microfiche) 0-8186-8923-4 (v. 2), 0-8186-5923-X (v. 2: microfiche), 0-8186-8923-4 (v. 2: case). LCCN QA76.5 .S894 1988. Two volumes. Available from IEEE Service Center (Catalog number 88CH2617-9), Piscataway, NJ, USA.

Aki:1988:SEC

[Aki88] T. Aki. Supercomputing efforts on CFD for nonstationary flow analysis at NAL. In Martin and Lundstrom [ML88], pages 61–70. ISBN 0-8186-0882-X (v. 1; paper), 0-8186-8882-3 (v. 1; case), 0-8186-4882-1 (v. 1: microfiche) 0-8186-8923-4 (v. 2), 0-8186-5923-X (v. 2: microfiche), 0-8186-8923-4 (v. 2: case). LCCN QA76.5 .S894 1988. Two volumes. IEEE catalog number 88CH2617-9. IEEE Computer Society Order Number 882.

Balram:1988:PPS

[BBM88] N. Balram, C. Belo, and J. M. F. Moura. Parallel processing on supercomputers: a set of computational experiments. In IEEE [IEE88], pages 247–257. ISBN 0-8186-0882-X (v. 1; paper), 0-8186-8882-3 (v. 1; case), 0-8186-4882-1 (v. 1: microfiche) 0-8186-8923-4 (v. 2), 0-8186-5923-X (v. 2: microfiche), 0-8186-8923-4 (v. 2: case). LCCN QA76.5 .S894 1988. Two volumes. Available from IEEE Service Center (Catalog number 88CH2617-9), Piscataway, NJ, USA.

Borkar:1988:IIS

[BCC+88] S. Borkar, R. Cohn, G. Cox, S. Gleason, T. Gross, Kung, H. T., M. Lam, B. Moore, C. Peterson, J. Pieper, Rankin, L., P. S. Tseng, J. Sutton, J. Urbanski, and J. Webb. iWarp: an integrated solution to high-speed parallel computing. In IEEE [IEE88], pages 330–339. ISBN 0-8186-0882-X (v. 1; paper), 0-8186-8882-3 (v. 1; case), 0-8186-4882-1 (v. 1: microfiche) 0-8186-8923-4 (v. 2), 0-8186-5923-X (v. 2: microfiche), 0-8186-8923-4 (v. 2: case). LCCN QA76.5 .S894 1988. Two volumes. Available from IEEE Service Center (Catalog number 88CH2617-9), Piscataway, NJ, USA.

Bedoll:1988:MSS

[Bed88] R. F. Bedoll. Mass storage support for supercomputing. In IEEE [IEE88], pages 217–221. ISBN 0-8186-0882-X (v. 1; paper), 0-8186-8882-3 (v. 1; case), 0-8186-4882-1 (v. 1: microfiche) 0-8186-8923-4 (v. 2), 0-8186-5923-X (v. 2: microfiche), 0-8186-8923-4 (v. 2: case). LCCN QA76.5 .S894 1988. Two volumes. Available from IEEE Service Center (Catalog number

88CH2617-9), Piscataway, NJ, USA.

Bailey:1988:SAH

[BF88] D. H. Bailey and H. R. P. Ferguson. A Strassen-Newton algorithm for high-speed parallelizable matrix inversion. In IEEE [IEE88], pages 419–424. ISBN 0-8186-0882-X (v. 1; paper), 0-8186-8882-3 (v. 1; case), 0-8186-4882-1 (v. 1: microfiche) 0-8186-8923-4 (v. 2), 0-8186-5923-X (v. 2: microfiche), 0-8186-8923-4 (v. 2: case). LCCN QA76.5 .S894 1988. Two volumes. Available from IEEE Service Center (Catalog number 88CH2617-9), Piscataway, NJ, USA.

Bischof:1988:PQF

[Bis88] C. H. Bischof. A parallel QR factorization algorithm using local pivoting. In IEEE [IEE88], pages 400–407. ISBN 0-8186-0882-X (v. 1; paper), 0-8186-8882-3 (v. 1; case), 0-8186-4882-1 (v. 1: microfiche) 0-8186-8923-4 (v. 2), 0-8186-5923-X (v. 2: microfiche), 0-8186-8923-4 (v. 2: case). LCCN QA76.5 .S894 1988. Two volumes. Available from IEEE Service Center (Catalog number 88CH2617-9), Piscataway, NJ, USA.

Braswell:1988:EVF

[BK88] R. N. Braswell and M. S. Keech. An evaluation of vector Fortran 200 generated by Cyber 205 and ETA-10 pre-compilation tools. In IEEE [IEE88], pages 106–113. ISBN 0-8186-0882-X (v. 1; paper), 0-8186-8882-3 (v. 1; case), 0-8186-4882-1 (v. 1: microfiche) 0-8186-8923-4 (v. 2), 0-8186-5923-X (v. 2: microfiche), 0-8186-8923-4 (v. 2: case). LCCN QA76.5 .S894 1988. Two volumes. Available from IEEE Service Center (Catalog number 88CH2617-9), Piscataway, NJ, USA.

Bassiouni:1988:SDC

[BRM88] M. A. Bassiouni, N. Ranganathan, and A. Mukherjee. A scheme for data compression in supercomputers. In IEEE [IEE88], pages 272–278. ISBN 0-8186-0882-X (v. 1; paper), 0-8186-8882-3 (v. 1; case), 0-8186-4882-1 (v. 1: microfiche) 0-8186-8923-4 (v. 2), 0-8186-5923-X (v. 2: microfiche), 0-8186-8923-4 (v. 2: case). LCCN QA76.5 .S894 1988. Two volumes. Available from IEEE Service Center (Catalog number 88CH2617-9), Piscataway, NJ, USA.

Boghosian:1988:CAS

[BTR88] B. M. Boghosian, W. Taylor, IV, and D. H. Rothman. A cellular automata simulation of two-phase flow on the CM-2 Connection Machine computer. In Martin and Lundstrom [ML88], pages 34–44. ISBN 0-8186-0882-X (v. 1; paper), 0-8186-8882-3 (v. 1; case), 0-8186-4882-1 (v. 1: microfiche) 0-8186-8923-4 (v. 2), 0-8186-5923-X (v. 2: microfiche), 0-8186-8923-4 (v. 2: case). LCCN QA76.5 .S894 1988. Two volumes. IEEE catalog num-

ber 88CH2617-9. IEEE Computer Society Order Number 882.

Burton:1988:CPS

[Bur88] O. V. Burton. Complementary processing: a supercomputer/personal computer US census database project. In Martin and Lundstrom [ML88], pages 167–177. ISBN 0-8186-0882-X (v. 1; paper), 0-8186-8882-3 (v. 1; case), 0-8186-4882-1 (v. 1: microfiche) 0-8186-8923-4 (v. 2), 0-8186-5923-X (v. 2: microfiche), 0-8186-8923-4 (v. 2: case). LCCN QA76.5 .S894 1988. Two volumes. IEEE catalog number 88CH2617-9. IEEE Computer Society Order Number 882.

Carlson:1988:FFT

[CC88] D. A. Carlson and J. M. Conroy. The fast Fourier transform and sparse matrix computations: a study of two applications on the Horizon supercomputer. In IEEE [IEE88], pages 55–58. ISBN 0-8186-0882-X (v. 1; paper), 0-8186-8882-3 (v. 1; case), 0-8186-4882-1 (v. 1: microfiche) 0-8186-8923-4 (v. 2), 0-8186-5923-X (v. 2: microfiche), 0-8186-8923-4 (v. 2: case). LCCN QA76.5 .S894 1988. Two volumes. Available from IEEE Service Center (Catalog number 88CH2617-9), Piscataway, NJ, USA.

Collins:1988:PMS

[CDK88] B. Collins, M. Devaney, and D. Kitts. Profiles in mass storage: a tale of two systems. In IEEE [IEE88], pages 222–228. ISBN 0-8186-0882-X (v. 1; paper), 0-8186-8882-3 (v. 1; case), 0-8186-4882-1 (v. 1: microfiche) 0-8186-8923-4 (v. 2), 0-8186-5923-X (v. 2: microfiche), 0-8186-8923-4 (v. 2: case). LCCN QA76.5 .S894 1988. Two volumes. Available from IEEE Service Center (Catalog number 88CH2617-9), Piscataway, NJ, USA.

Callahan:1988:VCT

[CDL88] David Callahan, Jack Dongarra, and David Levine. Vectorizing compilers: A test suite and results. In IEEE [IEE88], pages 98–105. ISBN 0-8186-0882-X (v. 1; paper), 0-8186-8882-3 (v. 1; case), 0-8186-4882-1 (v. 1: microfiche) 0-8186-8923-4 (v. 2), 0-8186-5923-X (v. 2: microfiche), 0-8186-8923-4 (v. 2: case). LCCN QA76.5 .S894 1988. Two volumes. Available from IEEE Service Center (Catalog number 88CH2617-9), Piscataway, NJ, USA.

Chen:1988:GCI

[CF88] R. S. Chen and M. B. Fiering. Global change-human interactions: a multivariate assessment framework. In Martin and Lundstrom [ML88], pages 251–261. ISBN 0-8186-0882-X (v. 1; paper), 0-8186-8882-3 (v. 1; case), 0-8186-4882-1 (v. 1: microfiche) 0-8186-8923-4 (v. 2), 0-8186-5923-X (v. 2: microfiche), 0-8186-8923-4 (v. 2: case). LCCN QA76.5 .S894 1988. Two volumes. IEEE catalog number 88CH2617-9. IEEE Computer Society Order Number 882.

Chastain:1988:CCA

[CGMW88] M. Chastain, G. Gostin, J. Mankovich, and S. Wallach. The Convex C240 architecture. In IEEE [IEE88], pages 321–329. ISBN 0-8186-0882-X (v. 1; paper), 0-8186-8882-3 (v. 1; case), 0-8186-4882-1 (v. 1: microfiche) 0-8186-8923-4 (v. 2), 0-8186-5923-X (v. 2: microfiche), 0-8186-8923-4 (v. 2: case). LCCN QA76.5 .S894 1988. Two volumes. Available from IEEE Service Center (Catalog number 88CH2617-9), Piscataway, NJ, USA.

Dietz:1988:CNK

[DC88] H. Dietz and C.-H. Chi. CRegs: a new kind of memory for referencing arrays and pointers. In IEEE [IEE88], pages 360–367. ISBN 0-8186-0882-X (v. 1; paper), 0-8186-8882-3 (v. 1; case), 0-8186-4882-1 (v. 1: microfiche) 0-8186-8923-4 (v. 2), 0-8186-5923-X (v. 2: microfiche), 0-8186-8923-4 (v. 2: case). LCCN QA76.5 .S894 1988. Two volumes. Available from IEEE Service Center (Catalog number 88CH2617-9), Piscataway, NJ, USA.

Davies:1988:JRC

[DEDR88] B. W. Davies, R. G. Evans, T. Daniels, and D. J. Rigby. The Joint Research Council's supercomputing unit. In IEEE [IEE88], pages 450–455. ISBN 0-8186-0882-X (v. 1; paper), 0-8186-8882-3 (v. 1; case), 0-8186-4882-1 (v. 1: microfiche) 0-8186-8923-4 (v. 2), 0-8186-5923-X (v. 2: microfiche), 0-8186-8923-4 (v. 2: case). LCCN QA76.5 .S894 1988. Two volumes. Available from IEEE Service Center (Catalog number 88CH2617-9), Piscataway, NJ, USA.

Dennis:1988:EPD

[DG88] J. B. Dennis and G. R. Gao. An efficient pipelined dataflow processor architecture. In IEEE [IEE88], pages 368–373. ISBN 0-8186-0882-X (v. 1; paper), 0-8186-8882-3 (v. 1; case), 0-8186-4882-1 (v. 1: microfiche) 0-8186-8923-4 (v. 2), 0-8186-5923-X (v. 2: microfiche), 0-8186-8923-4 (v. 2: case). LCCN QA76.5 .S894 1988. Two volumes. Available from IEEE Service Center (Catalog number 88CH2617-9), Piscataway, NJ, USA.

Draper:1988:CH

[Dra88] J. M. Draper. Compiling on Horizon. In IEEE [IEE88], pages 51–52. ISBN 0-8186-0882-X (v. 1; paper), 0-8186-8882-3 (v. 1; case), 0-8186-4882-1 (v. 1: microfiche) 0-8186-8923-4 (v. 2), 0-8186-5923-X (v. 2: microfiche), 0-8186-8923-4 (v. 2: case). LCCN QA76.5 .S894 1988. Two volumes. Available from IEEE Service Center (Catalog number 88CH2617-9), Piscataway, NJ, USA.

Duke:1988:MIM

[DSS88] D. W. Duke, R. Salvador, and D. Sandee. Multitasking the Ising model on the ETA 10 supercomputer. In Martin and Lundstrom [ML88], pages 84–94. ISBN

0-8186-0882-X (v. 1; paper), 0-8186-8882-3 (v. 1; case), 0-8186-4882-1 (v. 1: microfiche) 0-8186-8923-4 (v. 2), 0-8186-5923-X (v. 2: microfiche), 0-8186-8923-4 (v. 2: case). LCCN QA76.5 .S894 1988. Two volumes. IEEE catalog number 88CH2617-9. IEEE Computer Society Order Number 882.

Dubrulle:1988:BHA

[Dub88] A. A. Dubrulle. On block Householder algorithms for the reduction of a matrix to Hessenberg form. In Martin and Lundstrom [ML88], pages 129–140. ISBN 0-8186-0882-X (v. 1; paper), 0-8186-8882-3 (v. 1; case), 0-8186-4882-1 (v. 1: microfiche) 0-8186-8923-4 (v. 2), 0-8186-5923-X (v. 2: microfiche), 0-8186-8923-4 (v. 2: case). LCCN QA76.5 .S894 1988. Two volumes. IEEE catalog number 88CH2617-9. IEEE Computer Society Order Number 882.

Eisenbeis:1988:SMC

[EJL88] C. Eisenbeis, W. Jalby, and A. Lichnewsky. Squeezing more CPU performance out of a Cray-2 by vector block scheduling. In IEEE [IEE88], pages 237–245. ISBN 0-8186-0882-X (v. 1; paper), 0-8186-8882-3 (v. 1; case), 0-8186-4882-1 (v. 1: microfiche) 0-8186-8923-4 (v. 2), 0-8186-5923-X (v. 2: microfiche), 0-8186-8923-4 (v. 2: case). LCCN QA76.5 .S894 1988. Two volumes. Available from IEEE Service Center (Catalog number 88CH2617-9), Piscataway, NJ, USA.

Eoyang:1988:BSG

[EML88] C. Eoyang, R. H. Mendez, and O. M. Lubeck. The birth of the second generation: the Hitachi S-820/80. In IEEE [IEE88], pages 296–303. ISBN 0-8186-0882-X (v. 1; paper), 0-8186-8882-3 (v. 1; case), 0-8186-4882-1 (v. 1: microfiche) 0-8186-8923-4 (v. 2), 0-8186-5923-X (v. 2: microfiche), 0-8186-8923-4 (v. 2: case). LCCN QA76.5 .S894 1988. Two volumes. Available from IEEE Service Center (Catalog number 88CH2617-9), Piscataway, NJ, USA.

Fowler:1988:DIS

[FM88] J. D. Fowler, Jr. and M. McGowen. Design and implementation of a supercomputer frame buffer system. In IEEE [IEE88], pages 140–147. ISBN 0-8186-0882-X (v. 1; paper), 0-8186-8882-3 (v. 1; case), 0-8186-4882-1 (v. 1: microfiche) 0-8186-8923-4 (v. 2), 0-8186-5923-X (v. 2: microfiche), 0-8186-8923-4 (v. 2: case). LCCN QA76.5 .S894 1988. Two volumes. Available from IEEE Service Center (Catalog number 88CH2617-9), Piscataway, NJ, USA.

Frye:1988:FCM

[Fry88] R. E. Frye. Finding $95800^4 + 217519^4 + 414560^4 = 422481^4$ on the Connection Machine. In Martin and Lundstrom [ML88], pages 106–116. ISBN 0-8186-

0882-X (v. 1; paper), 0-8186-8882-3 (v. 1; case), 0-8186-4882-1 (v. 1: microfiche) 0-8186-8923-4 (v. 2), 0-8186-5923-X (v. 2: microfiche), 0-8186-8923-4 (v. 2: case). LCCN QA76.5 .S894 1988. Two volumes. IEEE catalog number 88CH2617-9. IEEE Computer Society Order Number 882.

Field:1988:TDD

[FY88] D. A. Field and K. Yarnall. Three dimensional Delaunay triangulation on a Cray X-MP. In Martin and Lundstrom [ML88], pages 202–213. ISBN 0-8186-0882-X (v. 1; paper), 0-8186-8882-3 (v. 1; case), 0-8186-4882-1 (v. 1: microfiche) 0-8186-8923-4 (v. 2), 0-8186-5923-X (v. 2: microfiche), 0-8186-8923-4 (v. 2: case). LCCN QA76.5 .S894 1988. Two volumes. IEEE catalog number 88CH2617-9. IEEE Computer Society Order Number 882.

Guarna:1988:FEP

[GGGJ88] V. A. Guarna, Jr., D. Gannon, Y. Gaur, and D. Jablonowski. Faust: an environment for programming parallel scientific applications. In IEEE [IEE88], pages 3–10. ISBN 0-8186-0882-X (v. 1; paper), 0-8186-8882-3 (v. 1; case), 0-8186-4882-1 (v. 1: microfiche) 0-8186-8923-4 (v. 2), 0-8186-5923-X (v. 2: microfiche), 0-8186-8923-4 (v. 2: case). LCCN QA76.5 .S894 1988. Two volumes. Available from IEEE Service Center (Catalog number 88CH2617-9), Piscataway, NJ, USA.

Ginsberg:1988:BPP

[GJ88] M. Ginsberg and J. P. Johnson. Benchmarking the performance of physical impact simulation software on vector and parallel computers. In Martin and Lundstrom [ML88], pages 180–190. ISBN 0-8186-0882-X (v. 1; paper), 0-8186-8882-3 (v. 1; case), 0-8186-4882-1 (v. 1: microfiche) 0-8186-8923-4 (v. 2), 0-8186-5923-X (v. 2: microfiche), 0-8186-8923-4 (v. 2: case). LCCN QA76.5 .S894 1988. Two volumes. IEEE catalog number 88CH2617-9. IEEE Computer Society Order Number 882.

Griffin:1988:SIP

[GKS88] R. B. Griffin, J. S. Kowalik, and M. R. Scott. Supercomputer integration program at Boeing. In IEEE [IEE88], pages 442–449. ISBN 0-8186-0882-X (v. 1; paper), 0-8186-8882-3 (v. 1; case), 0-8186-4882-1 (v. 1: microfiche) 0-8186-8923-4 (v. 2), 0-8186-5923-X (v. 2: microfiche), 0-8186-8923-4 (v. 2: case). LCCN QA76.5 .S894 1988. Two volumes. Available from IEEE Service Center (Catalog number 88CH2617-9), Piscataway, NJ, USA.

Glenn:1988:PPH

[Gle88] R. R. Glenn. Performance prediction for the Horizon supercomputer. In IEEE [IEE88], pages 48–50. ISBN 0-8186-0882-X (v. 1; paper), 0-8186-8882-3 (v. 1; case), 0-8186-4882-1 (v. 1: microfiche) 0-8186-8923-

4 (v. 2), 0-8186-5923-X (v. 2: microfiche), 0-8186-8923-4 (v. 2: case). LCCN QA76.5 .S894 1988. Two volumes. Available from IEEE Service Center (Catalog number 88CH2617-9), Piscataway, NJ, USA.

Girkar:1988:CIS

[GP88] M. Girkar and C. Polychronoupoulos. Compiling issues for supercomputers. In IEEE [IEE88], pages 164–173. ISBN 0-8186-0882-X (v. 1; paper), 0-8186-8882-3 (v. 1; case), 0-8186-4882-1 (v. 1: microfiche) 0-8186-8923-4 (v. 2), 0-8186-5923-X (v. 2: microfiche), 0-8186-8923-4 (v. 2: case). LCCN QA76.5 .S894 1988. Two volumes. Available from IEEE Service Center (Catalog number 88CH2617-9), Piscataway, NJ, USA.

Guzzi:1988:CFO

[GPHL88] M. D. Guzzi, D. A. Padua, J. P. Hoeflinger, and D. H. Lawrie. Cedar Fortran and other vector and parallel Fortran dialects. In IEEE [IEE88], pages 114–121. ISBN 0-8186-0882-X (v. 1; paper), 0-8186-8882-3 (v. 1; case), 0-8186-4882-1 (v. 1: microfiche) 0-8186-8923-4 (v. 2), 0-8186-5923-X (v. 2: microfiche), 0-8186-8923-4 (v. 2: case). LCCN QA76.5 .S894 1988. Two volumes. Available from IEEE Service Center (Catalog number 88CH2617-9), Piscataway, NJ, USA.

Gokhale:1988:SHT

[GT88] M. B. Gokhale and T. C. Torgersen. The symbolic hyperplane transformation for recursively defined arrays. In IEEE [IEE88], pages 207–214. ISBN 0-8186-0882-X (v. 1; paper), 0-8186-8882-3 (v. 1; case), 0-8186-4882-1 (v. 1: microfiche) 0-8186-8923-4 (v. 2), 0-8186-5923-X (v. 2: microfiche), 0-8186-8923-4 (v. 2: case). LCCN QA76.5 .S894 1988. Two volumes. Available from IEEE Service Center (Catalog number 88CH2617-9), Piscataway, NJ, USA.

Hessel:1988:TAK

[HMB+88] R. E. Hessel, M. Myszewski, G. Brussino, J. A. Swanson, and L. Wagner. Tuning the ANSYS kernel LSOLVE for a parallel computer. In Martin and Lundstrom [ML88], pages 191–201. ISBN 0-8186-0882-X (v. 1; paper), 0-8186-8882-3 (v. 1; case), 0-8186-4882-1 (v. 1: microfiche) 0-8186-8923-4 (v. 2), 0-8186-5923-X (v. 2: microfiche), 0-8186-8923-4 (v. 2: case). LCCN QA76.5 .S894 1988. Two volumes. IEEE catalog number 88CH2617-9. IEEE Computer Society Order Number 882.

Hanson:1988:TPS

[HMS88] F. Hanson, T. Moher, and N. Sabelli. A training program for scientific supercomputing users. In IEEE [IEE88], pages 342–349. ISBN 0-8186-0882-X (v. 1; paper), 0-8186-8882-3 (v. 1; case), 0-8186-4882-1 (v. 1: microfiche) 0-8186-8923-4 (v. 2), 0-8186-5923-X (v. 2: microfiche), 0-

8186-8923-4 (v. 2: case). LCCN QA76.5 .S894 1988. Two volumes. Available from IEEE Service Center (Catalog number 88CH2617-9), Piscataway, NJ, USA.

Holst:1988:SAC

[Hol88] T. L. Holst. Supercomputer applications in computational fluid dynamics. In Martin and Lundstrom [ML88], pages 51–60. ISBN 0-8186-0882-X (v. 1; paper), 0-8186-8882-3 (v. 1; case), 0-8186-4882-1 (v. 1: microfiche) 0-8186-8923-4 (v. 2), 0-8186-5923-X (v. 2: microfiche), 0-8186-8923-4 (v. 2: case). LCCN QA76.5 .S894 1988. Two volumes. IEEE catalog number 88CH2617-9. IEEE Computer Society Order Number 882.

Hiraki:1988:EVP

[HSS88] K. Hiraki, S. Sekiguchi, and T. Shimada. Efficient vector processing on a dataflow supercomputer SIGMA-1. In IEEE [IEE88], pages 374–381. ISBN 0-8186-0882-X (v. 1; paper), 0-8186-8882-3 (v. 1; case), 0-8186-4882-1 (v. 1: microfiche) 0-8186-8923-4 (v. 2), 0-8186-5923-X (v. 2: microfiche), 0-8186-8923-4 (v. 2: case). LCCN QA76.5 .S894 1988. Two volumes. Available from IEEE Service Center (Catalog number 88CH2617-9), Piscataway, NJ, USA.

Tang:1988:PVS

[hTDT88] Ju ho Tang, E. S. Davidson, and J. Tong. Polycyclic vector scheduling vs. chaining on 1-port vector supercomputers. In IEEE [IEE88], pages 122–129. ISBN 0-8186-0882-X (v. 1; paper), 0-8186-8882-3 (v. 1; case), 0-8186-4882-1 (v. 1: microfiche) 0-8186-8923-4 (v. 2), 0-8186-5923-X (v. 2: microfiche), 0-8186-8923-4 (v. 2: case). LCCN QA76.5 .S894 1988. Two volumes. Available from IEEE Service Center (Catalog number 88CH2617-9), Piscataway, NJ, USA.

Hatayama:1988:DJS

[HTSH88] S. Hatayama, H. Tsuchiya, Y. Shinkai, and H. Horishige. Development of job-job step scheduler for NAL numerical simulator. In IEEE [IEE88], pages 200–206. ISBN 0-8186-0882-X (v. 1; paper), 0-8186-8882-3 (v. 1; case), 0-8186-4882-1 (v. 1: microfiche) 0-8186-8923-4 (v. 2), 0-8186-5923-X (v. 2: microfiche), 0-8186-8923-4 (v. 2: case). LCCN QA76.5 .S894 1988. Two volumes. Available from IEEE Service Center (Catalog number 88CH2617-9), Piscataway, NJ, USA.

IEEE:1988:PSN

[IEE88] IEEE, editor. *Proceedings, Supercomputing '88: November 14–18, 1988, Orlando, Florida*, volume 1. IEEE Computer Society Press, 1109 Spring Street, Suite 300, Silver Spring, MD 20910, USA, 1988. ISBN 0-8186-0882-X (v. 1; paper), 0-8186-8882-3 (v. 1; case), 0-8186-4882-1 (v. 1: microfiche) 0-8186-8923-4 (v. 2), 0-8186-5923-X (v. 2: microfiche), 0-8186-8923-4 (v.

2: case). LCCN QA76.5 .S894 1988. Two volumes. Available from IEEE Service Center (Catalog number 88CH2617-9), Piscataway, NJ, USA.

Inouye:1988:FMD

[IH88] Y. Inouye and S. Hatayama. FACOM 6443 magneto-optic disk sub-system. In IEEE [IEE88], pages 266–271. ISBN 0-8186-0882-X (v. 1; paper), 0-8186-8882-3 (v. 1; case), 0-8186-4882-1 (v. 1: microfiche) 0-8186-8923-4 (v. 2), 0-8186-5923-X (v. 2: microfiche), 0-8186-8923-4 (v. 2: case). LCCN QA76.5 .S894 1988. Two volumes. Available from IEEE Service Center (Catalog number 88CH2617-9), Piscataway, NJ, USA.

Irani:1988:EBD

[IL88] K. B. Irani and K.-Q. Luc. Elimination of bottlenecks in dynamic dataflow processors. In IEEE [IEE88], pages 80–87. ISBN 0-8186-0882-X (v. 1; paper), 0-8186-8882-3 (v. 1; case), 0-8186-4882-1 (v. 1: microfiche) 0-8186-8923-4 (v. 2), 0-8186-5923-X (v. 2: microfiche), 0-8186-8923-4 (v. 2: case). LCCN QA76.5 .S894 1988. Two volumes. Available from IEEE Service Center (Catalog number 88CH2617-9), Piscataway, NJ, USA.

Ishiguro:1988:VPP

[IMS88] M. Ishiguro, M. Makino, and N. Shinozawa. Vector and parallel processing of the nuclear reactor transient analysis code RELAP5. In IEEE [IEE88], pages 230–236. ISBN 0-8186-0882-X (v. 1; paper), 0-8186-8882-3 (v. 1; case), 0-8186-4882-1 (v. 1: microfiche) 0-8186-8923-4 (v. 2), 0-8186-5923-X (v. 2: microfiche), 0-8186-8923-4 (v. 2: case). LCCN QA76.5 .S894 1988. Two volumes. Available from IEEE Service Center (Catalog number 88CH2617-9), Piscataway, NJ, USA.

Johnston:1988:DSV

[JHH+88] W. E. Johnston, D. E. Hall, J. Huang, M. Rible, Robertson, and D. Distributed scientific video movie making. In IEEE [IEE88], pages 156–162. ISBN 0-8186-0882-X (v. 1; paper), 0-8186-8882-3 (v. 1; case), 0-8186-4882-1 (v. 1: microfiche) 0-8186-8923-4 (v. 2), 0-8186-5923-X (v. 2: microfiche), 0-8186-8923-4 (v. 2: case). LCCN QA76.5 .S894 1988. Two volumes. Available from IEEE Service Center (Catalog number 88CH2617-9), Piscataway, NJ, USA.

Kanada:1988:VMA

[Kan88] Y. Kanada. Vectorization of multiple-precision arithmetic program and 201,326,000 decimal digits of pi calculation. In Martin and Lundstrom [ML88], pages 117–128. ISBN 0-8186-0882-X (v. 1; paper), 0-8186-8882-3 (v. 1; case), 0-8186-4882-1 (v. 1: microfiche) 0-8186-8923-4 (v. 2), 0-8186-5923-X (v. 2: microfiche), 0-8186-8923-4 (v. 2: case). LCCN QA76.5 .S894 1988.

Two volumes. IEEE catalog number 88CH2617-9. IEEE Computer Society Order Number 882.

Kopetzky:1988:HSH

[Kop88] D. J. Kopetzky. HORSE: a simulation of the Horizon supercomputer. In IEEE [IEE88], pages 53–54. ISBN 0-8186-0882-X (v. 1; paper), 0-8186-8882-3 (v. 1; case), 0-8186-4882-1 (v. 1: microfiche) 0-8186-8923-4 (v. 2), 0-8186-5923-X (v. 2: microfiche), 0-8186-8923-4 (v. 2: case). LCCN QA76.5 .S894 1988. Two volumes. Available from IEEE Service Center (Catalog number 88CH2617-9), Piscataway, NJ, USA.

Kuehn:1988:HSS

[KS88] J. T. Kuehn and B. J. Smith. The Horizon supercomputing system: architecture and software. In IEEE [IEE88], pages 28–34. ISBN 0-8186-0882-X (v. 1; paper), 0-8186-8882-3 (v. 1; case), 0-8186-4882-1 (v. 1: microfiche) 0-8186-8923-4 (v. 2), 0-8186-5923-X (v. 2: microfiche), 0-8186-8923-4 (v. 2: case). LCCN QA76.5 .S894 1988. Two volumes. Available from IEEE Service Center (Catalog number 88CH2617-9), Piscataway, NJ, USA.

Liu:1988:OSP

[LJ88] Y. Liu and O. Johnson. Optimal scheduling policies for mixed scalar-vector multiprocessor supercomputers. In IEEE [IEE88], pages 258–264. ISBN 0-8186-0882-X (v. 1; paper), 0-8186-8882-3 (v. 1; case), 0-8186-4882-1 (v. 1: microfiche) 0-8186-8923-4 (v. 2), 0-8186-5923-X (v. 2: microfiche), 0-8186-8923-4 (v. 2: case). LCCN QA76.5 .S894 1988. Two volumes. Available from IEEE Service Center (Catalog number 88CH2617-9), Piscataway, NJ, USA.

PeizongLee:1988:HCP

[LK88] Peizong Lee and Z. M. Kedem. On high-speed computing with a programmable linear array. In IEEE [IEE88], pages 425–432. ISBN 0-8186-0882-X (v. 1; paper), 0-8186-8882-3 (v. 1; case), 0-8186-4882-1 (v. 1: microfiche) 0-8186-8923-4 (v. 2), 0-8186-5923-X (v. 2: microfiche), 0-8186-8923-4 (v. 2: case). LCCN QA76.5 .S894 1988. Two volumes. Available from IEEE Service Center (Catalog number 88CH2617-9), Piscataway, NJ, USA.

Lander:1988:SPS

[LMT88] E. Lander, J. P. Mesirov, and W. Taylor, IV. Study of protein sequence comparison metrics on the Connection Machine CM-2. In Martin and Lundstrom [ML88], pages 2–12. ISBN 0-8186-0882-X (v. 1; paper), 0-8186-8882-3 (v. 1; case), 0-8186-4882-1 (v. 1: microfiche) 0-8186-8923-4 (v. 2), 0-8186-5923-X (v. 2: microfiche), 0-8186-8923-4 (v. 2: case). LCCN QA76.5 .S894 1988. Two volumes. IEEE catalog number 88CH2617-9. IEEE

Computer Society Order Number 882.

Matzner:1988:ICS

[Mat88] R. A. Matzner. The interaction of cosmic strings — a study of research and teaching graphics. In Martin and Lundstrom [ML88], pages 81–83. ISBN 0-8186-0882-X (v. 1; paper), 0-8186-8882-3 (v. 1; case), 0-8186-4882-1 (v. 1: microfiche) 0-8186-8923-4 (v. 2), 0-8186-5923-X (v. 2: microfiche), 0-8186-8923-4 (v. 2: case). LCCN QA76.5 .S894 1988. Two volumes. IEEE catalog number 88CH2617-9. IEEE Computer Society Order Number 882.

Martin:1988:SPN

[ML88] Joanne L. Martin and Stephen F. Lundstrom, editors. *Supercomputing '88: proceedings, November 14–18, 1988, Orlando, Florida*, volume 2. IEEE Computer Society Press, 1109 Spring Street, Suite 300, Silver Spring, MD 20910, USA, 1988. ISBN 0-8186-0882-X (v. 1; paper), 0-8186-8882-3 (v. 1; case), 0-8186-4882-1 (v. 1: microfiche) 0-8186-8923-4 (v. 2), 0-8186-5923-X (v. 2: microfiche), 0-8186-8923-4 (v. 2: case). LCCN QA76.5 .S894 1988. Two volumes. IEEE catalog number 88CH2617-9. IEEE Computer Society Order Number 882.

Neves:1988:GDP

[Nev88] K. W. Neves. Growing discord: programming philosophy and hardware design. In IEEE [IEE88], pages 18–26. ISBN 0-8186-0882-X (v. 1; paper), 0-8186-8882-3 (v. 1; case), 0-8186-4882-1 (v. 1: microfiche) 0-8186-8923-4 (v. 2), 0-8186-5923-X (v. 2: microfiche), 0-8186-8923-4 (v. 2: case). LCCN QA76.5 .S894 1988. Two volumes. Available from IEEE Service Center (Catalog number 88CH2617-9), Piscataway, NJ, USA.

Nassersharif:1988:HVA

[NPD88] B. Nassersharif, J. S. Peery, and M. D. DeHart. Highly vectorized algorithm for transient simulation of space reactor systems. In IEEE [IEE88], pages 393–399. ISBN 0-8186-0882-X (v. 1; paper), 0-8186-8882-3 (v. 1; case), 0-8186-4882-1 (v. 1: microfiche) 0-8186-8923-4 (v. 2), 0-8186-5923-X (v. 2: microfiche), 0-8186-8923-4 (v. 2: case). LCCN QA76.5 .S894 1988. Two volumes. Available from IEEE Service Center (Catalog number 88CH2617-9), Piscataway, NJ, USA.

Navon:1988:VCM

[NPR88] I. M. Navon, P. K. H. Phua, and M. Ramamurthy. Vectorization of conjugate-gradient methods for large-scale minimization. In IEEE [IEE88], pages 410–418. ISBN 0-8186-0882-X (v. 1; paper), 0-8186-8882-3 (v. 1; case), 0-8186-4882-1 (v. 1: microfiche) 0-8186-8923-4 (v. 2), 0-8186-5923-X (v. 2: microfiche), 0-8186-8923-4 (v. 2: case). LCCN QA76.5 .S894 1988. Two volumes. Available from IEEE Ser-

vice Center (Catalog number 88CH2617-9), Piscataway, NJ, USA.

Obayashi:1988:TSU

[OG88] S. Obayashi and S. Gavali. Three-dimensional simulation of underexpanded plumes using upwind algorithms. In Martin and Lundstrom [ML88], pages 25–33. ISBN 0-8186-0882-X (v. 1; paper), 0-8186-8882-3 (v. 1; case), 0-8186-4882-1 (v. 1: microfiche) 0-8186-8923-4 (v. 2), 0-8186-5923-X (v. 2: microfiche), 0-8186-8923-4 (v. 2: case). LCCN QA76.5 .S894 1988. Two volumes. IEEE catalog number 88CH2617-9. IEEE Computer Society Order Number 882.

ONeil:1988:ASI

[OS88] E. J. O'Neil and C. G. Shaefer. The ARGOT strategy III: the BBN Butterfly multiprocessor. In Martin and Lundstrom [ML88], pages 214–227. ISBN 0-8186-0882-X (v. 1; paper), 0-8186-8882-3 (v. 1; case), 0-8186-4882-1 (v. 1: microfiche) 0-8186-8923-4 (v. 2), 0-8186-5923-X (v. 2: microfiche), 0-8186-8923-4 (v. 2: case). LCCN QA76.5 .S894 1988. Two volumes. IEEE catalog number 88CH2617-9. IEEE Computer Society Order Number 882.

Pryor:1988:VMC

[PB88] D. V. Pryor and P. J. Burns. Vectorized Monte Carlo molecular aerodynamics simulation of the Rayleigh problem. In IEEE [IEE88], pages 384–391. ISBN 0-8186-0882-X (v. 1; paper), 0-8186-8882-3 (v. 1; case), 0-8186-4882-1 (v. 1: microfiche) 0-8186-8923-4 (v. 2), 0-8186-5923-X (v. 2: microfiche), 0-8186-8923-4 (v. 2: case). LCCN QA76.5 .S894 1988. Two volumes. Available from IEEE Service Center (Catalog number 88CH2617-9), Piscataway, NJ, USA.

Phillips:1988:SVW

[Phi88] R. L. Phillips. A scientific visualization workbench. In IEEE [IEE88], pages 148–155. ISBN 0-8186-0882-X (v. 1; paper), 0-8186-8882-3 (v. 1; case), 0-8186-4882-1 (v. 1: microfiche) 0-8186-8923-4 (v. 2), 0-8186-5923-X (v. 2: microfiche), 0-8186-8923-4 (v. 2: case). LCCN QA76.5 .S894 1988. Two volumes. Available from IEEE Service Center (Catalog number 88CH2617-9), Piscataway, NJ, USA.

Pittelli:1988:ATN

[PS88] F. Pittelli and D. Smitley. Analysis of a 3D toroidal network for a shared memory architecture. In IEEE [IEE88], pages 42–47. ISBN 0-8186-0882-X (v. 1; paper), 0-8186-8882-3 (v. 1; case), 0-8186-4882-1 (v. 1: microfiche) 0-8186-8923-4 (v. 2), 0-8186-5923-X (v. 2: microfiche), 0-8186-8923-4 (v. 2: case). LCCN QA76.5 .S894 1988. Two volumes. Available from IEEE Service Center (Catalog number 88CH2617-9), Piscataway, NJ, USA.

Richards:1988:MSS

[RKZ88] J. Richards, T. Kummell, and D. G. Zarlengo. A mass storage system for supercomputers based on Unix. In IEEE [IEE88], pages 279–286. ISBN 0-8186-0882-X (v. 1; paper), 0-8186-8882-3 (v. 1; case), 0-8186-4882-1 (v. 1: microfiche) 0-8186-8923-4 (v. 2), 0-8186-5923-X (v. 2: microfiche), 0-8186-8923-4 (v. 2: case). LCCN QA76.5 .S894 1988. Two volumes. Available from IEEE Service Center (Catalog number 88CH2617-9), Piscataway, NJ, USA.

Roble:1988:GCS

[Rob88] R. G. Roble. Global change: the solar influence. In Martin and Lundstrom [ML88], pages 240–250. ISBN 0-8186-0882-X (v. 1; paper), 0-8186-8882-3 (v. 1; case), 0-8186-4882-1 (v. 1: microfiche) 0-8186-8923-4 (v. 2), 0-8186-5923-X (v. 2: microfiche), 0-8186-8923-4 (v. 2: case). LCCN QA76.5 .S894 1988. Two volumes. IEEE catalog number 88CH2617-9. IEEE Computer Society Order Number 882.

Riccardi:1988:AIC

[RS88] G. A. Riccardi and P. H. Schow. Adaptation of the ISODATA clustering algorithm for vector supercomputer execution. In Martin and Lundstrom [ML88], pages 141–150. ISBN 0-8186-0882-X (v. 1; paper), 0-8186-8882-3 (v. 1; case), 0-8186-4882-1 (v. 1: microfiche) 0-8186-8923-4 (v. 2), 0-8186-5923-X (v. 2: microfiche), 0-8186-8923-4 (v. 2: case). LCCN QA76.5 .S894 1988. Two volumes. IEEE catalog number 88CH2617-9. IEEE Computer Society Order Number 882.

Semtner:1988:BOC

[SC88] A. J. Semtner, Jr. and R. M. Chervin. Breakthroughs in ocean and climate modeling made possible by supercomputers of today and tomorrow. In Martin and Lundstrom [ML88], pages 230–239. ISBN 0-8186-0882-X (v. 1; paper), 0-8186-8882-3 (v. 1; case), 0-8186-4882-1 (v. 1: microfiche) 0-8186-8923-4 (v. 2), 0-8186-5923-X (v. 2: microfiche), 0-8186-8923-4 (v. 2: case). LCCN QA76.5 .S894 1988. Two volumes. IEEE catalog number 88CH2617-9. IEEE Computer Society Order Number 882.

Scheurich:1988:DLC

[SD88a] C. Scheurich and M. Dubois. The design of a lockup-free cache for high-performance multiprocessors. In IEEE [IEE88], pages 352–359. ISBN 0-8186-0882-X (v. 1; paper), 0-8186-8882-3 (v. 1; case), 0-8186-4882-1 (v. 1: microfiche) 0-8186-8923-4 (v. 2), 0-8186-5923-X (v. 2: microfiche), 0-8186-8923-4 (v. 2: case). LCCN QA76.5 .S894 1988. Two volumes. Available from IEEE Service Center (Catalog number 88CH2617-9), Piscataway, NJ, USA.

Stampen:1988:MCC

[SD88b] J. O. Stampen and J. R. Davis.

Multi-issue coalitions in the Congress (voting alignments on supercomputer). In Martin and Lundstrom [ML88], pages 152–166. ISBN 0-8186-0882-X (v. 1; paper), 0-8186-8882-3 (v. 1; case), 0-8186-4882-1 (v. 1: microfiche) 0-8186-8923-4 (v. 2), 0-8186-5923-X (v. 2: microfiche), 0-8186-8923-4 (v. 2: case). LCCN QA76.5 .S894 1988. Two volumes. IEEE catalog number 88CH2617-9. IEEE Computer Society Order Number 882.

Sato:1988:BCM

[SS88] R. K. Sato and P. N. Swarztrauber. Benchmarking the Connection Machine 2. In IEEE [IEE88], pages 304–309. ISBN 0-8186-0882-X (v. 1; paper), 0-8186-8882-3 (v. 1; case), 0-8186-4882-1 (v. 1: microfiche) 0-8186-8923-4 (v. 2), 0-8186-5923-X (v. 2: microfiche), 0-8186-8923-4 (v. 2: case). LCCN QA76.5 .S894 1988. Two volumes. Available from IEEE Service Center (Catalog number 88CH2617-9), Piscataway, NJ, USA.

Sethian:1988:ISV

[SSG88] J. A. Sethian, J. B. Salem, and A. F. Ghoniem. Interactive scientific visualization and parallel display techniques. In IEEE [IEE88], pages 132–139. ISBN 0-8186-0882-X (v. 1; paper), 0-8186-8882-3 (v. 1; case), 0-8186-4882-1 (v. 1: microfiche) 0-8186-8923-4 (v. 2), 0-8186-5923-X (v. 2: microfiche), 0-8186-8923-4 (v. 2: case). LCCN QA76.5 .S894 1988. Two volumes. Available from IEEE Service Center (Catalog number 88CH2617-9), Piscataway, NJ, USA.

Simmons:1988:PCC

[SW88] Margaret L. Simmons and Harvey J. Wasserman. Performance comparison of the Cray-2 and Cray C-MP/416 supercomputers. In IEEE [IEE88], pages 288–295. ISBN 0-8186-0882-X (v. 1; paper), 0-8186-8882-3 (v. 1; case), 0-8186-4882-1 (v. 1: microfiche) 0-8186-8923-4 (v. 2), 0-8186-5923-X (v. 2: microfiche), 0-8186-8923-4 (v. 2: case). LCCN QA76.5 .S894 1988. Two volumes. Available from IEEE Service Center (Catalog number 88CH2617-9), Piscataway, NJ, USA.

Sterling:1988:TSD

[SWC88] T. L. Sterling, D. S. Wills, and E. Y. Chan. Tokenless static data flow using associative templates. In IEEE [IEE88], pages 70–79. ISBN 0-8186-0882-X (v. 1; paper), 0-8186-8882-3 (v. 1; case), 0-8186-4882-1 (v. 1: microfiche) 0-8186-8923-4 (v. 2), 0-8186-5923-X (v. 2: microfiche), 0-8186-8923-4 (v. 2: case). LCCN QA76.5 .S894 1988. Two volumes. Available from IEEE Service Center (Catalog number 88CH2617-9), Piscataway, NJ, USA.

Swisshelm:1988:MTN

[Swi88] J. M. Swisshelm. Multitasking a three-dimensional Navier–Stokes algorithm on the Cray-

2. In Martin and Lundstrom [ML88], pages 14–24. ISBN 0-8186-0882-X (v. 1; paper), 0-8186-8882-3 (v. 1; case), 0-8186-4882-1 (v. 1: microfiche) 0-8186-8923-4 (v. 2), 0-8186-5923-X (v. 2: microfiche), 0-8186-8923-4 (v. 2: case). LCCN QA76.5 .S894 1988. Two volumes. IEEE catalog number 88CH2617-9. IEEE Computer Society Order Number 882.

Tanaka:1988:CTF

[TIGU88] Y. Tanaka, K. Iwasawa, S. Gotoo, and Y. Umetani. Compiling techniques for first-order linear recurrences on a vector computer. In IEEE [IEE88], pages 174–181. ISBN 0-8186-0882-X (v. 1; paper), 0-8186-8882-3 (v. 1; case), 0-8186-4882-1 (v. 1: microfiche) 0-8186-8923-4 (v. 2), 0-8186-5923-X (v. 2: microfiche), 0-8186-8923-4 (v. 2: case). LCCN QA76.5 .S894 1988. Two volumes. Available from IEEE Service Center (Catalog number 88CH2617-9), Piscataway, NJ, USA.

Tsuda:1988:VAV

[TK88] T. Tsuda and Y. Kunieda. V-Pascal: an automatic vectorizing compiler for Pascal with no language extensions. In IEEE [IEE88], pages 182–189. ISBN 0-8186-0882-X (v. 1; paper), 0-8186-8882-3 (v. 1; case), 0-8186-4882-1 (v. 1: microfiche) 0-8186-8923-4 (v. 2), 0-8186-5923-X (v. 2: microfiche), 0-8186-8923-4 (v. 2: case). LCCN QA76.5 .S894 1988. Two volumes. Available from IEEE Service Center (Catalog number 88CH2617-9), Piscataway, NJ, USA.

Thistle:1988:PAH

[TS88] M. R. Thistle and B. J. Smith. A processor architecture for Horizon. In IEEE [IEE88], pages 35–41. ISBN 0-8186-0882-X (v. 1; paper), 0-8186-8882-3 (v. 1; case), 0-8186-4882-1 (v. 1: microfiche) 0-8186-8923-4 (v. 2), 0-8186-5923-X (v. 2: microfiche), 0-8186-8923-4 (v. 2: case). LCCN QA76.5 .S894 1988. Two volumes. Available from IEEE Service Center (Catalog number 88CH2617-9), Piscataway, NJ, USA.

Tomboulian:1988:SSI

[TSM88] S. Tomboulian, C. Streett, and M. Macaraeg. Spectral solution of the incompressible Navier–Stokes equations on the Connection Machine 2. In Martin and Lundstrom [ML88], pages 45–50. ISBN 0-8186-0882-X (v. 1; paper), 0-8186-8882-3 (v. 1; case), 0-8186-4882-1 (v. 1: microfiche) 0-8186-8923-4 (v. 2), 0-8186-5923-X (v. 2: microfiche), 0-8186-8923-4 (v. 2: case). LCCN QA76.5 .S894 1988. Two volumes. IEEE catalog number 88CH2617-9. IEEE Computer Society Order Number 882.

Whiteside:1988:ULS

[WL88] R. A. Whiteside and J. S. Leichter. Using Linda for supercomputing on a local area network. In IEEE [IEE88], pages

192–199. ISBN 0-8186-0882-X (v. 1; paper), 0-8186-8882-3 (v. 1; case), 0-8186-4882-1 (v. 1: microfiche) 0-8186-8923-4 (v. 2), 0-8186-5923-X (v. 2: microfiche), 0-8186-8923-4 (v. 2: case). LCCN QA76.5 .S894 1988. Two volumes. Available from IEEE Service Center (Catalog number 88CH2617-9), Piscataway, NJ, USA.

Worlton:1988:SPT

[Wor88] J. Worlton. Some patterns of technological change in high-performance computers. In IEEE [IEE88], pages 312–320. ISBN 0-8186-0882-X (v. 1; paper), 0-8186-8882-3 (v. 1; case), 0-8186-4882-1 (v. 1: microfiche) 0-8186-8923-4 (v. 2), 0-8186-5923-X (v. 2: microfiche), 0-8186-8923-4 (v. 2: case). LCCN QA76.5 .S894 1988. Two volumes. Available from IEEE Service Center (Catalog number 88CH2617-9), Piscataway, NJ, USA.

Westbrook:1988:CME

[WP88] C. K. Westbrook and W. J. Pitz. Computer modeling of engine knock chemistry. In Martin and Lundstrom [ML88], pages 95–104. ISBN 0-8186-0882-X (v. 1; paper), 0-8186-8882-3 (v. 1; case), 0-8186-4882-1 (v. 1: microfiche) 0-8186-8923-4 (v. 2), 0-8186-5923-X (v. 2: microfiche), 0-8186-8923-4 (v. 2: case). LCCN QA76.5 .S894 1988. Two volumes. IEEE catalog number 88CH2617-9. IEEE Computer Society Order Number 882.

LingtaoWang:1988:IMI

[WW88] Lingtao Wang and Chuan-Lin Wu. I-NET mechanism for issuing multiple instructions. In IEEE [IEE88], pages 88–95. ISBN 0-8186-0882-X (v. 1; paper), 0-8186-8882-3 (v. 1; case), 0-8186-4882-1 (v. 1: microfiche) 0-8186-8923-4 (v. 2), 0-8186-5923-X (v. 2: microfiche), 0-8186-8923-4 (v. 2: case). LCCN QA76.5 .S894 1988. Two volumes. Available from IEEE Service Center (Catalog number 88CH2617-9), Piscataway, NJ, USA.

Yoshida:1988:TAD

[Yos88] N. Yoshida. A transformational approach to the derivation of hardware algorithms from recurrence equations. In IEEE [IEE88], pages 433–440. ISBN 0-8186-0882-X (v. 1; paper), 0-8186-8882-3 (v. 1; case), 0-8186-4882-1 (v. 1: microfiche) 0-8186-8923-4 (v. 2), 0-8186-5923-X (v. 2: microfiche), 0-8186-8923-4 (v. 2: case). LCCN QA76.5 .S894 1988. Two volumes. Available from IEEE Service Center (Catalog number 88CH2617-9), Piscataway, NJ, USA.