

A Bibliography of Publications in *International Journal of High Speed Computing*

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, beebe@acm.org,
beebe@computer.org (Internet)
WWW URL: <http://www.math.utah.edu/~beebe/>

14 October 2017
Version 1.13

Title word cross-reference	
<i>0and1</i> [CC92b]. <i>3</i> [KY95]. <i>3/4</i> [HCK ⁺ 99]. $A^T x$ [Ven94]. Ax [Ven94]. K [KR93, Ng00, AAD97, ASDOK04, DS96, MSAOK00]. $M^2 P = O(2^{n \text{and} 2})$ [CC92a]. n [AAD97, ASDOK04, DS96, MSAOK00]. s [PS93]. t [PS93].	2 [DL90, EJL90, NM97]. 21st [Joh97].
-ary [AAD97, ASDOK04, DS96, MSAOK00]. -Cube [AAD97, ASDOK04, MSAOK00, DS96]. -Means-Type [Ng00]. -out-of- [PS93]. -Rotated [KR93].	3 [Pet94].
100 [BCM ⁺ 93].	Abstract [NM92]. Access [Rin97]. Accessible [PMC90]. Achieving [Lee92a]. Activities [PA97]. Adaptive [CYM95, RG94, Shi00]. Address [Sat99]. Adjoints [BBW04]. Adviser [LZ96]. Affinity [WC95]. Agreement [CC95]. AI [Wal93]. Algebra [ADDM95]. Algorithm [ASDOK04, CC92a, CC92b, CC95, HLP95, Jen99, LC94, MM97, Nan94, NM97, PKL90, PY96, Shi00, SBK ⁺ 90, SJ95, TB95, TVM96, WC95, BJWS96, DS96]. Algorithms [ALA ⁺ 97, Cha94, CL92, DRS94, Fer95, GJM ⁺ 91, GM97c, GM97b, KHG96, Lee95, LL00, Lin99c, Ng00, PS90, SD94, THL ⁺ 96].

Allocation

[AS95, KKY⁺92, TVM96, TSKV00, VT96]. **Almost** [SJ95]. **Alternate** [PP99]. **Ames** [Bai93]. **Analysis** [BD92, CC92c, HSP⁺99, LJ00, LS00, Lin99b, MSAOK00, PY96]. **AND-parallel** [NM92]. **Annealing** [MRP94, RP90]. **Annealing-Based** [MRP94, RP90]. **Antennas** [HSP⁺99]. **APE** [BCM⁺93]. **APE-100** [BCM⁺93]. **Application** [SS95]. **Applications** [HPK95, OSZ94, SBH96, Wil93]. **Applied** [ALMS92]. **Approach** [BASS95, PR95]. **Approaches** [RG93]. **Approximate** [CC95, KY95]. **Arbitrary** [CC92c]. **Arbitrary-Delay** [CC92c]. **Architecture** [BCM⁺93, BD92, DO95, HL99, Joh97, RP90]. **Architectures** [AB93, Cia94, GP97, KRS96, PB89, WG94, YG96]. **Arguments** [Vij95]. **Array** [LS94]. **Arrays** [Lin00, SBK⁺90, YC94]. **ART1** [GP97]. **ART2** [GP97]. **Artificial** [GP97]. **ary** [AAD97, ASDOK04, DS96, MSAOK00]. **Assessment** [Sch93]. **Assignment** [Ati99, LS94, MPT94]. **assistant** [CTS96]. **ATM** [BS99]. **Author** [Ano00]. **Average** [LS00, SKW92]. **Average-Case** [LS00]. **Balanced** [Lin99b, Lin99c, JC94a]. **Balancing** [BASS95]. **Banyan** [PYL⁺94]. **Barnes** [BJWS96]. **Barrier** [LJ00]. **Based** [FK97, HL99, MRP94, MNP⁺94, NM97, PC00, RP90, SCS90, TSKV00, FY92]. **Benchmarking** [Nag95]. **Between** [WG94]. **Bidirectional** [MM97]. **Binary** [MA90, PS95, SP92]. **Block** [BD89, Gir95]. **Body** [SRC⁺95]. **Bound** [CC92c]. **Boundary** [BF92]. **Bounded** [YC94]. **Bounds** [SP92]. **Broadcast** [THL⁺96, YC94]. **Broadcasting** [LHK97, LHK95]. **Bus** [HL99]. **Bus-Based** [HL99]. **Butterfly** [GH95]. **Cache** [MNP⁺94, PC00, VZS99, WG94]. **Cache-Based** [MNP⁺94]. **Calculations**

[ADDM95]. Camera

[Ano95a, Ano95b, Ano95c]. **Camera-ready** [Ano95a, Ano95b, Ano95c]. **Carlo** [SKG97, SBH90, SBH96, SWL90]. **Case** [Joh97, LS00, PB89, SKW92, WB95]. **Casting** [SS95]. **Century** [Joh97]. **Channel** [MRP94, THL⁺96]. **Characteristics** [JP99]. **Choice** [CC92b]. **Cholesky** [MM97, RRS99, RG93]. **Circuit** [MSAOK00, RP90, RPM90]. **Class** [JC94b, NNN93, SC94]. **Cluster** [ES94]. **Cluster-M** [ES94]. **Clusters** [SWL90]. **CM** [NM97]. **CM-2** [NM97]. **Code** [BF92]. **coding** [SCC96a, SCC96b]. **Coefficient** [GM97c, GM97b]. **Coherence** [PC00, WC94]. **combinatorial** [Li91]. **Combinators** [CC90]. **Combining** [Sat99]. **Commercial** [Joh97]. **Communication** [LL00, Lin99c, NLK99, OJH00, THL⁺96, Swa04]. **Comparative** [BS99]. **Comparison** [SBH96]. **Comparisons** [Ma99, Ma04]. **Compatible** [HCK⁺99]. **Compilation** [Nik93]. **Compiler** [EJL90]. **Compilers** [Cha94, CTS96]. **complex** [LPS96]. **Complexity** [Lin99b]. **Compression** [Jen99]. **Computation** [BBW04, DRS94, Fur93, SN00, Ven94]. **Computational** [NNN93, NM92]. **Computations** [Cha94, CC97, LS00]. **Computer** [ADDM95, BCM⁺93, LW97, Ma04, Ng00, IFM90]. **Computers** [ALA⁺97, Bai93, Erh90, GP94, HPK95, KY95, LT95, LHK95, SBH90, Wil93, WY90, YBN93, AS89]. **Computing** [BR93, BPS94, Joh97, LS94, OJH00, Rin97, TVM96, WB95, VT96]. **Concepts** [TM93]. **Conflicts** [MA90]. **Conjugate** [Gir95]. **Connected** [ALA⁺97, LHK95]. **Connection** [JC94b, McB90, NM97, Sch93]. **Connectivity** [KHG96]. **Consecutive** [SS95]. **Considering** [TSKV00]. **Consistency** [WC99]. **Constant** [DRS94, GFNS99, KHG96]. **Constrained** [MNP⁺94, VT96]. **Constraints** [PR95].

Contention [SC94]. **Control** [HL99].
Controls [SKY97]. **Coordination** [PA97].
Cost [Lin99b, LC97]. **Cost/Performance** [Lin99b]. **CRAY**
[Ma99, CS95, DL90, EJL90]. **Cray-2** [DL90].
CRAY-T3E [Ma99]. **Cube**
[AAD97, ASDOK04, MSAOK00, DS96].
Cycle [SBS95]. **Cycles** [Lin99a, Lin00].
Cyclic [GM97a].

D [KY95]. **Data** [Cha94, GM97a, Jen99,
JC94a, Kok93, MNP⁺94, OSZ94, Rin97].
Data-balanced [JC94a]. **Data-Parallel**
[Cha94]. **Dataflow** [AB93]. **Decomposition**
[Cia94, BJWS96]. **Decoupled** [DO95].
deepening [Li91]. **Definite** [MM97]. **Delay**
[CC92c]. **Delayed** [MA90]. **Dense** [AAD97].
Description [GP94]. **Design**
[BL95, CTS96, LC95, PY96, RP90].
Development [LZ96]. **Device** [SKG97].
Diagonal [RR99]. **Diagonal-Implicitly**
[RR99]. **Difference** [CC97, NNN93].
Differential [MR90]. **Digital** [DRS94].
Dimensional [DM90, LF96, SKG97].
Direct [GM97c, GM97b]. **Discrete**
[SBH90, SBH96]. **Distributed**
[ALMS92, Ati99, BR93, BD92, CC90,
FGY95, Gir95, JC94a, LC94, MR92, Nan94,
Ng00, PA97, RR99, TVM96, WC94, VT96].
Distributed-Memory [LC94, Nan94].
Distribution [GH95, LHK97, MNP⁺94].
Divided [CC97]. **Divided-Difference**
[CC97]. **Division** [HLQOSW00]. **Domain**
[Cia94]. **DSM** [LJ00]. **Dynamic**
[Ati99, LHK97]. **Dynamics**
[NNN93, LPS96].

ECMWF [Hof93]. **Effects** [SC94].
Efficiency [LJ00]. **Efficient**
[CS95, FK97, Fer95, HPK95, HS92, HLP95].
Eigenproblem [HLQOSW00]. **Element**
[BL95]. **Elimination**
[GM97a, MR92, NM97]. **Elliptic** [MR90].
Embedded [JC94b]. **Embedding** [Lin00].

Enhanced [PC00]. **Environment** [KS93].
Environments [BR93]. **Equations**
[KRS96, MR90]. **Equispaced** [Vij95].
Evaluation [CC90, PS90, PS93, PB89,
RP90, RG93, SKW92, Vij95]. **Evolution**
[AB93]. **Executable** [LB93]. **Executing**
[YG96]. **Execution** [LJ00, NM92, Zha92].
Experience [Bai93]. **Experiences** [Kar94].
Experiment [Zha92]. **Exponentials**
[Vij95]. **Extended** [AS95]. **Extensions**
[SBS95]. **External** [SP92]. **Extremal**
[BPS94].

Factorisation [PP99]. **Factorization**
[MM97, RRS99, RG93]. **Factorized** [KY95].
Fast [Jl97, NH00]. **Fault**
[ASDOK04, JP99, PYL⁺94, Shi00, Vij95].
Fault-Tolerant [ASDOK04, JP99, Shi00].
Faulty [Lin00]. **FDTD** [HSP⁺99]. **FE**
[KY95]. **Feature** [LT95]. **Fewer**
[LHK95, KHG96]. **Fibonacci** [Pet94]. **Fine**
[Dag93, Nic93]. **Fine-Grain** [Nic93].
Fine-Scale [Dag93]. **Finite** [NNN93].
Floating [Lee92b]. **Flow**
[Kok93, Kuw92, SKY97]. **Fluid** [NNN93].
Forecasting [Hof93]. **FORTRAN**
[DM90, CTS96, Nag95]. **Four** [DM90].
Four-Dimensional [DM90]. **Free** [CYM95].
Function [HLQOSW00, PKL90].
Functional [CC90, NM92]. **Functions**
[Nag95].

GA [TSKV00]. **Gauss** [MR92]. **Gaussian**
[NM97]. **General** [TB95].
General-Purpose [TB95]. **Generalized**
[HLQOSW00, LHK95, Lin99b, Lin99c].
Generation [SBH90]. **Generators** [Pet94].
Genetic [Nan94, TVM96]. **Geometry**
[DRS94]. **Global** [SD94]. **Gradient**
[Gir95, JC94b]. **Grain** [Nic93]. **Graph**
[KHG96, Lin99a]. **Graphs** [YG96].
Grouping [WC99].

Hamiltonian [Lin00]. **Handling** [SC94].

- Hard** [KS93]. **Hardware** [PC00]. **HDG** [LB93]. **HDG-Machine** [LB93]. **Healing** [BS99]. **Hessenberg** [BD89].
- Heterogeneous** [MPT94, PR95]. **Heuristic** [KKY⁺92, MPT94]. **Heuristics** [AC92, SKW92]. **Hierarchical** [BJWS96, GFNS99, JP99, RG93, SCS90].
- Hierarchical-Memory** [RG93]. **High** [AS91, BL95, Lee92a]. **Higher** [MR90].
- Histories** [Kok93]. **Homogeneous** [ALMS92]. **Hut** [BJWS96]. **Hybrid** [CC90, WC94]. **Hyper** [THL⁺96].
- Hyper-Channel** [THL⁺96]. **Hypercube** [AS95, KKY⁺92, Lee95, RP90, RG94, SS95, IFM90]. **Hypercubes** [CC97, GM97a, JP99, Lin99b, Lin99c, Mur90, Shi00].
- i860** [Sin96]. **i860TM** [Lee92a, Lee92b].
- ICCG** [HS92]. **Id** [Nik93]. **Idle** [SN00].
- IEH** [Lin99a]. **II** [GM97c, KY95]. **Image** [HPK95, PMC90]. **Impact** [BASS95].
- Implementation** [BD89, Cia94, FY92, GP97, PP99, RPM90, SCC96a, SCC96b, WY90, BJWS96, CTS96].
- Implementations** [DL90, HSP⁺99].
- Implementing** [FGY95]. **Implicit** [NNN93]. **Implicitly** [RR99]. **imprecise** [Li91]. **Improved** [GM97a, Jen99].
- Improving** [GW95, LJ00]. **Incompatible** [Nic93]. **Incompressible** [LF96].
- Incorporating** [TVM96]. **Index** [Ano00].
- Induction** [PS90]. **Informatics** [WB95].
- Information** [Rin97]. **Instruction** [SC94, VZS99]. **Instructions** [Ano95a, Ano95b, Ano95c, CC92c]. **Integer** [Dag93]. **Intel** [SD94]. **Interacting** [SRC⁺95]. **Interactions** [WG94].
- Interconnected** [BD92]. **Interconnection** [PYL⁺94, PY96, DS96]. **Interlocking** [PP99]. **Intermediate** [GFNS99]. **Intrinsic** [Nag95]. **Inverse** [KY95]. **IPSC** [SD94].
- IPSC/860** [SD94]. **Irregular** [Cha94].
- Ising** [DM90]. **Isospeed** [LS00]. **Issue** [VZS99]. **Issues** [Pol93]. **Iterated** [RR99].
- Iteration** [BD89]. **Iterative** [DL90, JC94b, Mur90, SBK⁺90, Li91].
- iWarp** [Gro93]. **IWIM** [PA97].
- Kernel** [LF96]. **Knapsack** [CC92a, CC92b, Fer95, LC97]. **Knowledge** [TVM96]. **Krylov** [LW97]. **Kutta** [RR99].
- Lagged** [Pet94]. **Language** [NM92, Nik93].
- Large** [Gar93, Ma99, Ma04, Mur90]. **LCAP** [PB89]. **Leapfrog** [BBW04]. **Learning** [HL99]. **Left** [RG93]. **Left-Looking** [RG93].
- Lempel** [Jen99]. **Length** [BASS95].
- LINDA** [Kar94, FGY95]. **Line** [PMC90].
- Linear** [AAD97, ADDM95, GM97c, GM97b, KRS96, LC94, Lin00, Ma99, Ma04, Mur90, SCC96a, SCC96b]. **Linked** [PC00].
- Linked-Based** [PC00]. **Lisp** [FY92]. **Load** [Ati99, BASS95, LHK97, Sat99, TSKV00].
- Local** [MR90]. **Locality** [Rin97]. **Logic** [NM92, Zha92]. **Looking** [RG93]. **Lopsided** [SP92]. **Lower** [SP92].
- M** [ES94]. **Machine** [JC94b, LB93, McB90, NM92, NM97, SCC96a, SCC96b, Sch93, Swa04]. **Machines** [BF92, GW95, Nik93, RR99, RG93].
- Manuscripts** [Ano95a, Ano95b, Ano95c].
- Many** [SRC⁺95]. **Mapping** [ALA⁺97, AC92, CC97, GM97a, KRS96, YBN93].
- Maps** [LT95]. **Marching** [VvDP91].
- market** [LPS96]. **MasPar** [HPK95].
- Massive** [Fur93, Nic93]. **Massively** [BL95, Cia94, HPK95, KY95, LW97, Wal93, WY90].
- Matrices** [BPS94]. **Matrix** [Erh90, GM97c, GM97b, HLP95, HLQOSW00, Lee95, PKL90].
- Matrix-Vector** [HLP95]. **Matter** [TM93].
- Means** [Ng00]. **Mechanism** [PC00].
- Medium** [Dag93]. **Memory** [ADDM95, Ati99, BF92, BPS94, BD92, CC92a, EJL90, Fer95, Fur93, Gar93, Gir95, HS92, LC94, LC95, MR92, Nan94, Ng00, PMC90, RR99, RG93, WC94, WC95, WC99, YSA99].

Memory-Efficient [Fer95]. **Memory/Processor** [CC92a]. **Mesh** [ALA⁺97, GP97, Jl97, LHK95]. **Mesh-Connected** [LHK95]. **Meshes** [CC95, KHG96, LHK97, OSZ94]. **Message** [YG96]. **Message-Passing** [YG96]. **Method** [Cia94, LS94, PP99]. **Methodology** [PB89]. **Methods** [DL90, Gir95, LW97, MR90, RR99, SBH96]. **Microprocessor** [Lee92a, Lee92b, Sin96]. **Migration** [KKY⁺92]. **Migratory** [PC00]. **Millimeter** [HSP⁺99]. **MIMD** [Wil93, YBN93]. **Minimal** [WC95]. **Model** [DRS94, DM90, NM92, PA97, THL⁺96, WY90, WC99, Zha92, IFM90, LPS96]. **Modeling** [DL94, PB89]. **Modelled** [PS93]. **Models** [Cha94]. **Molecular** [SWL90]. **Monte** [SKG97, SBH90, SBH96, SWL90]. **Movement** [OSZ94]. **MP** [CS95]. **Multi** [SKW92]. **Multi-Processor** [SKW92]. **Multicast** [FK97, PY96]. **Multicomputer** [CYM95]. **Multifrontal** [RG93]. **Multigrid** [LF96, SKG97, WY90]. **Multiple** [CC92b, LHK95, TSKV00, VZS99]. **Multiple-Choice** [CC92b]. **Multiple-Issue** [VZS99]. **Multiplication** [Erh90, HLP95, Lee95]. **Multiprocessor** [AS95, BR93, BPS94, DL94, Gar93, Gir95, GH95, HS92, KS93, PYL⁺94, PS93, SCS90, Swa00, WC99, YSA99]. **Multiprocessors** [Ati99, Joh97, Lee95, LS00, LC94, MPT94, MR92, Nan94, RG94, WC95]. **Multishift** [BD89]. **Multistage** [PYL⁺94, PY96, SCS90]. **Multithreaded** [DO95, WG94, WC99].

NASA [Bai93]. **Naspack** [Lee92a]. **Navier** [LF96]. **NEC** [Pet94]. **Neocognitron** [IFM90]. **Network** [CS95, JP99, OJH00, PYL⁺94, SN00, IFM90, Kar94]. **Networks** [AAD97, ASDOK04, ALMS92, BS99, CYM95, GP97, MSAOK00, NLK99, PY96, SCS90, SKY97, DS96]. **Neural** [CS95, GP97, HL99, IFM90]. **Non** [GM97c, VZS99]. **Non-Sequential** [VZS99]. **Non-Symmetric** [GM97c]. **Nondeterministic** [Kok93]. **Nonlinear** [JC94b]. **Nonsymmetric** [Ma99, Ma04]. **novel** [DS96]. **NOWP** [FK97]. **Number** [Pet94]. **Numerical** [GJM⁺91].

Objects [YSA99]. **ODE** [BF92]. **onto** [ALA⁺97, GM97a, KRS96]. **Optically** [BD92]. **Optimal** [Lin99c, LC97, PS95]. **Optimization** [McB90, Sin96, Li91]. **Optimizations** [Rin97]. **Optimizing** [EJL90]. **Order** [MR90]. **Oriented** [MR92]. **Overhead** [OJH00, PC00, WC95]. **Overview** [Gro93].

P [AB93]. **P-RISC** [AB93]. **p4** [SRC⁺95]. **Parabolic** [VvDP91]. **Paradigm** [ES94]. **Paralation** [Sab93]. **Parallel** [AAD97, Bai93, BL95, BASS95, BF92, BBW04, CC92a, Cha94, Cia94, Dag93, DRS94, DL90, ES94, Far90, Fer95, Fur93, GJM⁺91, GP94, GM97c, GM97b, HPK95, HLP95, Hof93, HL99, HSP⁺99, HLQOSW00, Jl97, KY95, Lee95, Li91, LS94, LT95, LZ96, LS00, LC94, LF96, LW97, Ma99, Ma04, MRP94, MA90, Mur90, MM97, NH00, Nik93, NM97, PKL90, PA97, Pol93, PP99, PB89, RPM90, Rin97, SKG97, SWL90, SS95, SBK⁺90, SJ95, TB95, THL⁺96, VvDP91, Ven94, Wal93, WB95, WY90, WC99, AS89, BJWS96, IFM90, NM92, SCC96a, SCC96b, FY92]. **Parallel-Multithreaded** [WC99]. **Parallel/Vector** [Far90]. **Parallelism** [Dag93, Nic93]. **Parallelization** [NNN93]. **Parallelizing** [Nan94]. **Parameters** [BASS95]. **Part** [GM97c, GM97b]. **Partial** [MR90]. **Partitioned** [DL94]. **Partitioner** [RP90]. **Passing** [YG96]. **Path** [LL00, NLK99]. **Pathlength** [SP92]. **PDE** [JC94b]. **860** [SD94]. **Performance** [Lin99b]. **Processor** [CC92a]. **Vector** [Far90]. **Performance** [BL95, BASS95, BD92, GJM⁺91, GW95,

Lee92a, Lee92b, LZ96, McB90, MSAOK00, NH00, PY96, PS93, PB89, RP90, RG94, SBK⁺90, VvDP91]. Periodic [KS93]. Pipelined [CC92b, CC92c, CC97, MSAOK00, SS95]. Planar [HSP⁺99]. Point [Lee92b]. Polynomials [Vij95]. Positive [MM97]. Precedence [PR95, VT96]. Precedence-constrained [VT96]. Preconditioned [DL90, Gir95]. Preconditioners [Ma99, Ma04]. Preconditioning [KY95]. Prediction [GJM⁺91]. Predictors [Sat99]. Prefetching [VZS99]. Prefix [SJ95]. Problem [AC92, CC92a, CC92b, Fer95, LC97, TVM96]. Problems [HL99, KHG96]. Processing [HPK95, Hof93, LC95, PMC90, SC94, WB95]. Processor [AS95, AS91, BL95, MPT94, SKW92]. Processors [CC92c, HKC⁺99, KHG96, LHK95, PR95, VZS99]. Program [DM90, GFNS99, Zha92]. Programmable [TM93]. Programmer [BASS95]. Programming [BR93, Cha94, ES94, Gro93, Nik93, Pol93, Sab93]. Programs [BASS95, CC90, LZ96]. Propagation [GFNS99]. Properties [JP99]. Protocols [BS99, PC00]. Pseudo [BBW04]. Pseudo-Adjoints [BBW04]. Purpose [TB95].
QR [BD89]. Quadrant [PP99]. quadtree [SCC96a, SCC96b].
Radix [Jl97]. Random [Pet94, SBH90]. Randomized [AC92]. Rationale [Joh97]. Ray [SS95]. Read [MA90]. ready [Ano95a, Ano95b, Ano95c]. Real [Ati99, KS93, LL00, NLK99, SKY97]. Real-Time [Ati99, KS93, LL00, NLK99, SKY97]. Realization [IFM90, TM93]. reciprocals [Sin96]. Recognition [YSA99].
Recognizing [KR93]. Reconfigurable [Jl97, KHG96, OSZ94]. Recurrence [KRS96]. Recursive [PY96]. Redesigning [Far90]. Reduce [PC00]. Reduction [OJH00]. Redundancy [Vij95]. Refinement [MR90]. Register [EJL90]. Replicated [JC94a]. Replication [GM97a]. Representation [GFNS99]. Restriction [CYM95]. Restriction-Free [CYM95]. Right [RG93]. Right-Looking [RG93]. Ring [GP97, PYL⁺94]. Ring-Banyan [PYL⁺94]. Rings [Lin00]. RISC [AB93]. roots [Sin96]. Rotate [LHK95]. Rotated [KR93]. Router [MRP94]. Routing [ASDOK04, CYM95, RG94, Shi00, DS96]. Row [MR92, NM97]. Runge [RR99].
Sampling [SBH96]. Scalability [LS00, RRS99]. Scalar [SWL90]. Scale [Dag93, Gar93]. Scan [DRS94]. Scheduled [AS91, YG96]. Scheduling [CC92c, KS93, MNP⁺94, PR95, SKW92, WC95]. Scheme [BBW04, Nan94, WC94, SCC96a, SCC96b]. Schemes [NNN93, VvDP91]. Scientific [Joh97, WB95, Wil93]. Search [JC94a, LC97, MA90, PR95]. Segments [KR93]. Selection [LL00, NLK99]. Self [BS99]. Semantics [Kok93]. Sequential [Jen99, VZS99]. Series [Pet94]. Shared [ADDM95, BF92, BPS94, BD92, Gar93, Gir95, HS92, WC94, WC95, WC99, YSA99]. Shared-Memory [BF92, BPS94, WC95, WC99]. Sharing [PC00]. Shrinking [SBS95]. Sign [HLQOSW00, PKL90]. SIMD [BL95]. Simple [Nan94, LPS96]. Simulated [MRP94]. Simulation [HKC⁺99, Kuw92, Lin99a, RPM90, SKG97, Sat99, WG94]. Simulations [SBH90, SRC⁺95, SWL90]. Singular [BPS94]. Skyline [Far90]. Software [LJ00, WC94]. Solid [YSA99]. Solution [AAD97, GM97c, GM97b, JC94b, KY95, Mur90, MM97]. Solver [Far90, LF96, SKG97]. Solving

[AS89, LC94]. **Some** [DL90, GP94, Kar94].
Sort [Jl97, LHK95]. **Sorting**
[CL92, Dag93, TB95, THL⁺96]. **Sparse**
[BPS94, Erh90, GM97c, GM97b, KY95,
Ma04, MM97, RRS99, RG93, AS89].
Specific [TVM96]. **Specification** [LB93].
Spectral [HLQOSW00]. **Speed** [AS91].
square [Sin96]. **Standard** [VvDP91]. **Star**
[PP99]. **Static** [AB93, LJ00, MPT94].
Statically [AS91]. **stock** [LPS96]. **Stokes**
[LF96]. **Strategy** [Joh97, YBN93]. **Streams**
[Kok93]. **Structure** [JC94a, SCS90].
Studies [SBK⁺90]. **Study**
[BS99, PB89, RG94, Sat99, WB95, WG94].
Subcube [KKY⁺92]. **Subroutines**
[Lee92a]. **Subspace** [LW97]. **Suited** [Cia94].
Sums [SS95]. **Supercomputers**
[Far90, Joh97, Kuw92]. **Supercomputing**
[ALMS92]. **Supercube** [Lin00].
Superscalar [AS91, LC95, SC94]. **Switch**
[FK97]. **Switch-Based** [FK97]. **Switching**
[MSAOK00]. **SX** [Pet94]. **SX-3** [Pet94].
Symbolic [Fur93]. **Symmetric**
[GM97c, GM97b, Joh97, MM97].
Synchronization
[AS91, LJ00, SD94, WC95]. **System**
[ALA⁺97, BL95, BD92, FGY95, Gar93,
Gro93, LC95, PMC90, PS93, YSA99].
Systems [AAD97, DL94, Fur93, GM97c,
GM97b, KKY⁺92, KY95, LS94, LC94, Ma99,
Ma04, Mur90, MM97, PYL⁺94, SRC⁺95,
SJ95, TVM96, WC99, AS89, VT96].
Systolic [KRS96, Vij95, YC94].
T3E [Ma99]. **Tabu** [PR95]. **Task**
[BASS95, GH95, KKY⁺92, PR95, TVM96,
TSKV00, YG96, VT96]. **Task-Length**
[BASS95]. **Tasks** [Ati99, KS93]. **TC2000**
[Gar93]. **Technical** [GP94]. **Technique**
[LC97]. **Techniques** [EJL90, OSZ94].
Three [LF96, SKG97].
Three-Dimensional [LF96, SKG97].
Tiling [SN00]. **Time**
[Ati99, BBW04, DRS94, KHG96, KS93,
LL00, NLK99, SN00, SKY97, Vij95].
Time-Parallel [BBW04]. **Toeplitz** [SJ95].
Tolerant
[ASDOK04, JP99, PYL⁺94, Shi00, Vij95].
tool [CTS96]. **Toolkit** [HCK⁺99]. **Tools**
[BR93]. **Topological** [JP99, LT95].
Topology [PP99]. **Traces** [Kok93].
Tradeoff [CC92a]. **Training** [CS95].
Transformation [SN00]. **Transforms**
[NH00]. **Transputer**
[FY92, SBK⁺90, Zha92]. **Transputer-based**
[FY92]. **Tree** [GW95, SP92, BJWS96].
Trees [PS95]. **triangular** [AS89].
Tridiagonal [ALA⁺97, LC94, SJ95].
Triplets [BPS94]. **Tuplespace** [FGY95].
Two [BS99, SKY97]. **Type** [Ng00]. **Typed**
[CC92c]. **Typesetting**
[Ano95a, Ano95b, Ano95c].
Upper [CC92c]. **Usage** [EJL90]. **Using**
[GM97a, HLQOSW00, Jl97, Joh97, KHG96,
LHK95, PY96, Rin97, SRC⁺95, Vij95].
Value [BF92, Sat99]. **Variables** [SBH90].
Vector [DL90, Erh90, HLP95, HSP⁺99,
PS90, SBH90, Swa00, CTS96]. **Vectorizable**
[SBH96]. **Vectorization** [CL92]. **View**
[Hof93]. **Virtual**
[ADDM95, Gir95, SCC96a, SCC96b].
Visualization [Kuw92]. **Volume** [Ano00].
vs [WB95].
Wave [HSP⁺99]. **Waveform** [LW97].
Wavelet [NH00]. **Weather** [Hof93]. **Web**
[OJH00]. **Weighted** [PS95]. **Well** [Cia94].
Well-Suited [Cia94]. **Work** [Fer95].
Workstations [SN00]. **Wormhole**
[CYM95, FK97, NLK99, Shi00, SKY97].
Worst [SKW92]. **Wraparound** [CC95].
x86 [HCK⁺99]. **x86-Compatible**
[HCK⁺99]. **Xsim** [HCK⁺99].
Y-MP [CS95].

Ziv [Jen99].

References

- | | | | |
|--|--|--|---|
| <p>[AAD97]</p> <p>[AB93]</p> <p>[AC92]</p> <p>[ADDM95]</p> | <p>Al-Ayyoub:1997:PSD</p> <p>Arvind:1993:EDA</p> <p>Arunkumar:1992:RHM</p> <p>Amestoy:1995:LAC</p> | <p>[ALA⁺97]</p> <p>[ALMS92]</p> <p>[Ano95a]</p> <p>[Ano95b]</p> <p>[Ano95c]</p> | <p>1995. CODEN IHSCEZ. ISSN 0129-0533.</p> <p>Amor:1997:MTS</p> <p>M. Amor, J. Lopez, F. Arquello, et al. Mapping tridiagonal system algorithms onto mesh connected computers. <i>International Journal of High Speed Computing (IJHSC)</i>, 9(2):101–126, 1997. CODEN IHSCEZ. ISSN 0129-0533.</p> <p>Arbenz:1992:ADS</p> <p>P. Arbenz, H. P. Luthi, J. E. Mertz, and W. Scott. Applied distributed supercomputing in homogeneous networks. <i>International Journal of High Speed Computing (IJHSC)</i>, 4(2):87–108, June 1992. CODEN IHSCEZ. ISSN 0129-0533.</p> <p>Anonymous:1995:ITCa</p> <p>Anonymous. Instructions for typesetting camera-ready manuscripts. <i>International Journal of High Speed Computing (IJHSC)</i>, 7(2):??, ??? 1995. CODEN IHSCEZ. ISSN 0129-0533.</p> <p>Anonymous:1995:ITCb</p> <p>Anonymous. Instructions for typesetting camera-ready manuscripts. <i>International Journal of High Speed Computing (IJHSC)</i>, 7(3):??, ??? 1995. CODEN IHSCEZ. ISSN 0129-0533.</p> <p>Anonymous:1995:ITCc</p> <p>Anonymous. Instructions for typesetting camera-ready</p> |
|--|--|--|---|

- manuscripts. *International Journal of High Speed Computing (IJHSC)*, 7(4):??, ??? 1995. CODEN IHSCEZ. ISSN 0129-0533.
- Anonymous:2000:AIV**
- [Ano00] Anonymous. Author index: Volume 11 (2000). *International Journal of High Speed Computing (IJHSC)*, 11 (4):253–254, December 2000. CODEN IHSCEZ. ISSN 0129-0533. URL <http://ejournals.wspc.com.sg/ijhsc/11/1104/S0129053300000199.html>.
- Anderson:1989:SST**
- [AS89] E. C. Anderson and Y. Saad. Solving sparse triangular systems on parallel computers. *International Journal of High Speed Computing (IJHSC)*, 1 (??):73–96, 1989. CODEN IH-SCEZ. ISSN 0129-0533.
- Arita:1991:HSS**
- [AS91] T. Arita and M. Sowa. High speed synchronization for a statically scheduled superscalar processor. *International Journal of High Speed Computing (IJHSC)*, 3(1):77–??, March 1991. CODEN IHSCEZ. ISSN 0129-0533.
- Ahuja:1995:PAE**
- [AS95] S. Ahuja and A. K. Sarje. Processor allocation in extended hypercube multiprocessor. *International Journal of High Speed Computing (IJHSC)*, 7 (4):481–488, 1995. CODEN IHSCEZ. ISSN 0129-0533.
- Al-Sadi:2004:NFT**
- [ASDOK04] J. Al-Sadi, K. Day, and M. Ould-Khaoua. A new fault-tolerant routing algorithm for k -ary n -cube networks. *International Journal of High Speed Computing (IJHSC)*, 12(1):29–??, June 2004. CODEN IH-SCEZ. ISSN 0129-0533.
- Atif:1999:DLA**
- [Ati99] Y. Atif. Dynamic load assignment of real-time tasks in distributed memory multiprocessors. *International Journal of High Speed Computing (IJHSC)*, 10(1):83–114, March 1999. CODEN IHSCEZ. ISSN 0129-0533.
- Bailey:1993:EPC**
- [Bai93] D. H. Bailey. Experience with parallel computers at NASA Ames. *International Journal of High Speed Computing (IJHSC)*, 5(1):51–62, March 1993. CODEN IHSCEZ. ISSN 0129-0533.
- Ben-Asher:1995:LBP**
- [BASS95] Y. Ben-Asher, A. Schuster, and J. F. Sibeyn. Load balancing: A programmer’s approach or the impact of task-length parameters on the load balancing performance of parallel programs. *International Journal of High Speed Computing (IJHSC)*, 7(2):303–??, 1995. CODEN IHSCEZ. ISSN 0129-0533.

- | | |
|--|---|
| <div style="border: 1px solid black; padding: 5px; text-align: center;">Bischof:2004:TPC</div> <p>[BBW04] Christian H. Bischof, H. Martin Bücker, and Po-Ting Wu. Time-parallel computation of pseudo-adjoints for a leapfrog scheme. <i>International Journal of High Speed Computing (IJHSC)</i>, 12(1):1–??, June 2004. CODEN IHSCEZ. ISSN 0129-0533.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Battista:1993:ACA</div> <p>[BCM⁺93] C. Battista, S. Cabasino, F. Marzano, et al. The APE-100 computer: (I) the architecture. <i>International Journal of High Speed Computing (IJHSC)</i>, 5(4):637–656, December 1993. CODEN IHSCEZ. ISSN 0129-0533.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Bai:1989:BIH</div> <p>[BD89] Z. Bai and J. Demmel. On a block implementation of Hessenberg multishift QR iteration. <i>International Journal of High Speed Computing (IJHSC)</i>, 1(1):97–112, 1989. CODEN IHSCEZ. ISSN 0129-0533. (also LAPACK Working Note #8).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Bogineni:1992:OID</div> <p>[BD92] K. Bogineni and P. W. Dowd. An optically interconnected distributed shared memory system: Architecture and performance analysis. <i>International Journal of High Speed Computing (IJHSC)</i>, 4(3):179–212, September 1992. CODEN IHSCEZ. ISSN 0129-0533.</p> | <div style="border: 1px solid black; padding: 5px; text-align: center;">BF92</div> <p>[BF92] [BJWS96]</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Bennett:1992:PBV</div> <p>K. R. Bennett and G. Fairweather. A parallel boundary value ODE code for shared-memory machines. <i>International Journal of High Speed Computing (IJHSC)</i>, 4(2):71–86, June 1992. CODEN IHSCEZ. ISSN 0129-0533.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Bhanot:1996:HDP</div> <p>B. Bhanot, J. Janak, R. Walkup, and V. Sonnad. Hierarchical decomposition: A parallel implementation of the Barnes-Hut tree algorithm. <i>International Journal of High Speed Computing (IJHSC)</i>, 8(1):1–12, ????, 1996. CODEN IHSCEZ. ISSN 0129-0533.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Beal:1995:DPE</div> <p>D. Beal and C. Lambrounidakis. Design of a processor element for a high performance massively parallel SIMD system. <i>International Journal of High Speed Computing (IJHSC)</i>, 7(3):365–390, 1995. CODEN IHSCEZ. ISSN 0129-0533.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">Berry:1994:CES</div> <p>M. W. Berry, B. N. Parlett, and A. H. Sameh. Computing extremal singular triplets of sparse matrices on a shared-memory multiprocessor. <i>International Journal of High Speed Computing (IJHSC)</i>, 6(2):239–276, 1994. CODEN IHSCEZ. ISSN 0129-0533. URL http://www.</p> |
|--|---|

- worldscientific.com/doi/
abs/10.1142/S0129053394000123. [CC92b]
- Bemmerl:1993:PTD**
- [BR93] T. Bemmerl and B. Ries. Programming tools for distributed multiprocessor computing environments. *International Journal of High Speed Computing (IJHSC)*, 5(4):595–616, December 1993. CODEN IHSCEZ. ISSN 0129-0533.
- [CC92c]
- Bajaj:1999:CST**
- [BS99] Vikas B. Bajaj and Anil K. Sarje. A comparative study of two self healing protocols for ATM networks. *International Journal of High Speed Computing (IJHSC)*, 10(3):235–256, September 1999. CODEN IH-SCEZ. ISSN 0129-0533.
- [CC95]
- Cheon:1990:HCD**
- [CC90] S. H. Cheon and J. W. Cho. Hybrid combinatorics for distributed evaluation of functional programs. *International Journal of High Speed Computing (IJHSC)*, 2(1):49–68, March 1990. CODEN IH-SCEZ. ISSN 0129-0533.
- [CC97]
- Chang:1992:PAK**
- [CC92a] H. K.-C. Chang and J. J.-R. Chen. A parallel algorithm for the knapsack problem with memory/processor tradeoff $M^2P = O(2^{n \log 2})$. *International Journal of High Speed Computing (IJHSC)*, 4(2):109–120, June 1992. CODEN IHSCEZ. ISSN 0129-0533.
- [Cha94]
- Chen:1992:PAM**
- G. H. Chen and M. S. Chern. A pipelined algorithm for multiple-choice 0-and-1 knapsack problem. *International Journal of High Speed Computing (IJHSC)*, 4(1):43–48, March 1992. CODEN IHSCEZ. ISSN 0129-0533.
- Chou:1992:UBA**
- H.-C. Chou and C.-P. Chung. Upper bound analysis of scheduling arbitrary-delay instructions on typed pipelined processors. *International Journal of High Speed Computing (IJHSC)*, 4(4):301–312, December 1992. CODEN IH-SCEZ. ISSN 0129-0533.
- Cheng:1995:AAA**
- R. L. Cheng and C. P. Chung. An approximate agreement algorithm for wraparound meshes. *International Journal of High Speed Computing (IJHSC)*, 7(3):407–420, 1995. CODEN IHSCEZ. ISSN 0129-0533.
- Chung:1997:MPD**
- K-L Chung and Y-W Chen. Mapping pipelined divided-difference computations into hypercubes. *International Journal of High Speed Computing (IJHSC)*, 9(3):181–190, 1997. CODEN IHSCEZ. ISSN 0129-0533.
- Chatterjee:1994:PMC**
- S. Chatterjee. Programming models, compilers, and al-

- gorithms for irregular data-parallel computations. *International Journal of High Speed Computing (IJHSC)*, 6(2):183–222, June 1994. CODEN IH-SCEZ. ISSN 0129-0533. URL <ftp://ftp.cs.unc.edu/pub/users/sc/ijhsc-nested.PS.Z>.
- Ciarlet:1994:IDD**
- [Cia94] P. Ciarlet. Implementation of a domain decomposition method well-suited for (massively) parallel architectures. *International Journal of High Speed Computing (IJHSC)*, 6(1):157–??, 1994. CODEN IHSCEZ. ISSN 0129-0533.
- Chung:1992:VSA**
- [CL92] C.-P. Chung and W.-Y. Lin. Vectorization of sorting algorithms. *International Journal of High Speed Computing (IJHSC)*, 4(3):213–232, September 1992. CODEN IH-SCEZ. ISSN 0129-0533.
- Chung:1995:ENN**
- [CS95] S. L. Chung and R. Setiono. Efficient neural network training on a Cray Y-MP. *International Journal of High Speed Computing (IJHSC)*, 7(1):109–??, 1995. CODEN IHSCEZ. ISSN 0129-0533.
- Chang:1996:DIF**
- [CTS96] C-Y Chang, J-Y Tzeng, and J-P Sheu. Design and implementation of a Fortran assistant tool for vector compilers. *International Journal of High Speed Computing (IJHSC)*, 8(1):13–46, 1996. CODEN IH-SCEZ. ISSN 0129-0533.
- Chung:1995:RFA**
- J.-H. Chung, H. Yoon, and S. R. Maeng. Restriction-free adaptive wormhole routing in multicomputer networks. *International Journal of High Speed Computing (IJHSC)*, 7(1):89–??, 1995. CODEN IH-SCEZ. ISSN 0129-0533.
- Dagum:1993:PIS**
- L. Dagum. Parallel integer sorting with medium and fine-scale parallelism. *International Journal of High Speed Computing (IJHSC)*, 5(4):503–522, December 1993. CODEN IH-SCEZ. ISSN 0129-0533.
- Doi:1990:SPV**
- S. Doi and A. Lichnewsky. Some parallel and vector implementations of preconditioned iterative methods on Cray-2. *International Journal of High Speed Computing (IJHSC)*, 2(2):143–180, June 1990. CODEN IHSCEZ. ISSN 0129-0533.
- Dowdy:1994:MPM**
- L. W. Dowdy and M. R. Leuze. On modeling partitioned multiprocessor systems. *International Journal of High Speed Computing (IJHSC)*, 6(1):31–??, 1994. CODEN IHSCEZ. ISSN 0129-0533.

- Drouffe:1990:FPF**
- [DM90] J.-M. Drouffe and K. J. M. Moriarty. FORTRAN program for the four-dimensional Ising model. *International Journal of High Speed Computing (IJHSC)*, 2(2):133–142, June 1990. CODEN IHSCEZ. ISSN 0129-0533.
- Dorojevets:1995:MDA**
- [DO95] M. N. Dorojevets and V. G. Oklobdzija. Multithreaded decoupled architecture. *International Journal of High Speed Computing (IJHSC)*, 7(3):465–??, 1995. CODEN IHSCEZ. ISSN 0129-0533.
- Djokic:1994:CTD**
- [DRS94] B. Djokic, J. Ruppert, and I. Stojmenovic. Constant time digital geometry algorithms on the scan model of parallel computation. *International Journal of High Speed Computing (IJHSC)*, 6(4):501–??, 1994. CODEN IHSCEZ. ISSN 0129-0533.
- Deamine:1996:NRA**
- [DS96] E. D. Deamine and S. Srinivas. A novel routing algorithm for k -ary n -cube interconnection networks. *International Journal of High Speed Computing (IJHSC)*, 8(1):81–92, 1996. CODEN IHSCEZ. ISSN 0129-0533.
- Eisenbeis:1990:CTO**
- [EJL90] C. Eisenbeis, W. Jalby, and A. Lichnewsy. Compiler tech-
- Erhel:1990:SMM**
- [Erh90] J. Erhel. Sparse matrix multiplication on vector computers. *International Journal of High Speed Computing (IJHSC)*, 2(2):101–116, June 1990. CODEN IHSCEZ. ISSN 0129-0533.
- Eshaghian:1994:CMP**
- [ES94] M. M. Eshaghian and M. E. Shaaban. Cluster-M parallel programming paradigm. *International Journal of High Speed Computing (IJHSC)*, 6(2):287–??, 1994. CODEN IHSCEZ. ISSN 0129-0533.
- Farhat:1990:RSS**
- [Far90] C. Farhat. Redesigning the skyline solver for parallel/vector supercomputers. *International Journal of High Speed Computing (IJHSC)*, 2(3):223–238, September 1990. CODEN IHSCEZ. ISSN 0129-0533.
- Ferreira:1995:WME**
- [Fer95] A. Ferreira. Work and memory-efficient parallel algorithms for the knapsack problem. *International Journal of High Speed Computing (IJHSC)*, 7(4):595–606, 1995. CODEN IHSCEZ. ISSN 0129-0533.

- Feng:1995:ILT**
- [FGY95] M. D. Feng, Y. Q. Gao, and C. K. Yuen. Implementing Linda tuplespace on a distributed system. *International Journal of High Speed Computing (IJHSC)*, 7(1):125–??, 1995. CODEN IHSCEZ. ISSN 0129-0533.
- Fan:1997:EMW**
- [FK97] K-P Fan and C-T King. Efficient multicast on wormhole switch-based NOWP. *International Journal of High Speed Computing (IJHSC)*, 9(4):359–380, 1997. CODEN IHSCEZ. ISSN 0129-0533.
- Furnari:1993:MSM**
- [Fur93] M. Furnari. Memory systems and massive parallel symbolic computation. *International Journal of High Speed Computing (IJHSC)*, 5(3):307–326, September 1993. CODEN IHSCEZ. ISSN 0129-0533.
- Feng:1992:TBP**
- [FY92] M. D. Feng and C. K. Yuen. A transputer-based Parallel Lisp implementation. *International Journal of High Speed Computing (IJHSC)*, 4(1):23–42, March 1992. CODEN IHSCEZ. ISSN 0129-0533.
- Garber:1993:TSL**
- [Gar93] M. Garber. The TC2000 system — A large scale, shared memory, multiprocessor. *International Journal of High Speed Computing (IJHSC)*, 5(3):475–490, September 1993. CODEN IHSCEZ. ISSN 0129-0533.
- Giordano:1999:CPH**
- [GFNS99] M. Giordano, M. M. Furnari, R. Napolitano, and A. Spagnolo. Constant propagation in a hierarchical intermediate program representation. *International Journal of High Speed Computing (IJHSC)*, 10 (2):153–184, June 1999. CODEN IHSCEZ. ISSN 0129-0533.
- Gottlieb:1995:TDB**
- [GH95] I. Gottlieb and A. Herold. Task distribution on a butterfly multiprocessor. *International Journal of High Speed Computing (IJHSC)*, 7(1):1–??, 1995. CODEN IHSCEZ. ISSN 0129-0533.
- Giraud:1995:BPC**
- [Gir95] L. Giraud. Block preconditioned conjugate gradient methods on a distributed virtual shared memory multiprocessor. *International Journal of High Speed Computing (IJHSC)*, 7(2):161–190, 1995. CODEN IHSCEZ. ISSN 0129-0533.
- Gallivan:1991:PPP**
- [GJM⁺91] K. Gallivan, W. Jalby, A. Malony, et al. Performance prediction for parallel numerical algorithms. *International Journal of High Speed Computing (IJHSC)*, 3(1):31–62, March 1991.

1991. CODEN IHSCEZ. ISSN 0129-0533.
- Gopalan:1997:IMC**
- [GM97a] K. Gopalan and C. Siva Ram Murthy. An improved mapping of cyclic elimination onto hypercubes using data replication. *International Journal of High Speed Computing (IJHSC)*, 9(4):311–336, 1997. CODEN IHSCEZ. ISSN 0129-0533.
- Gopalan:1997:NPAb**
- [GM97b] K. Gopalan and C. Siva Ram Murthy. New parallel algorithms for direct solution of sparse linear systems: Part I—symmetric coefficient matrix. *International Journal of High Speed Computing (IJHSC)*, 9(4):259–290, 1997. CODEN IHSCEZ. ISSN 0129-0533.
- Gopalan:1997:NPAa**
- [GM97c] K. Gopalan and C. Siva Ram Murthy. New parallel algorithms for direct solution of sparse linear systems: Part II — non-symmetric coefficient matrix. *International Journal of High Speed Computing (IJHSC)*, 9(4):291–310, 1997. CODEN IHSCEZ. ISSN 0129-0533.
- Gates:1994:TDS**
- [GP94] K. E. Gates and W. P. Petersen. A technical description of some parallel computers. *International Journal of High Speed Computing (IJHSC)*, 6(3):399–??, 1994. CODEN IH-SCEZ. ISSN 0129-0533.
- Ghare:1997:IAA**
- [GP97] G. D. Ghare and L. M. Patnaik. Implementation of ART1 and ART2 artificial neural networks on ring and mesh architectures. *International Journal of High Speed Computing (IJHSC)*, 9(1):41–56, 1997. CODEN IHSCEZ. ISSN 0129-0533.
- Gross:1993:OPI**
- [Gro93] T. Gross. An overview of programming the iWarp system. *International Journal of High Speed Computing (IJHSC)*, 5(3):379–402, September 1993. CODEN IHSCEZ. ISSN 0129-0533.
- Gupta:1995:IPT**
- [GW95] A. K. Gupta and H. Wang. On improving the performance of tree machines. *International Journal of High Speed Computing (IJHSC)*, 7(2):251–264, 1995. CODEN IHSCEZ. ISSN 0129-0533.
- Hsiao:1999:STX**
- [HKC⁺99] Hung-Chang Hsiao, Chung-Ta King, Wei-Kuo Chen, Hsian-Hsiung Lin, and Chien-Chao Tseng. A simulation toolkit for x86-compatible processors 3/4 xsim. *International Journal of High Speed Computing (IJHSC)*, 10(4):427–446, December 1999. CODEN IH-SCEZ. ISSN 0129-0533.

- | | |
|---|--|
| <div style="border: 1px solid black; padding: 2px; text-align: center;">Hong:1999:PNL</div> <p>[HL99] Tzung-Pei Hong and Jyh-Jong Lee. Parallel neural learning for control problems on a bus-based architecture. <i>International Journal of High Speed Computing (IJHSC)</i>, 10(3):257–274, September 1999. CODEN IHSCEZ. ISSN 0129-0533.</p> <div style="border: 1px solid black; padding: 2px; text-align: center;">Hendrickson:1995:EPA</div> <p>[HLP95] B. Hendrickson, R. Leland, and S. Plimpton. An efficient parallel algorithm for matrix-vector multiplication. <i>International Journal of High Speed Computing (IJHSC)</i>, 7(1):73–??, 1995. CODEN IHSCEZ. ISSN 0129-0533.</p> <div style="border: 1px solid black; padding: 2px; text-align: center;">Huss-Lederman:2000:PSD</div> <p>[HLQOSW00] Steven Huss-Lederman, Enrique S. Quintana-Ortí, Xiaobai Sun, and Yuan-Jye Y. Wu. Parallel spectral division using the matrix sign function for the generalized eigenproblem. <i>International Journal of High Speed Computing (IJHSC)</i>, 11(1):1–14, March 2000. CODEN IHSCEZ. ISSN 0129-0533.</p> <div style="border: 1px solid black; padding: 2px; text-align: center;">Hoffmann:1993:WFP</div> <p>[Hof93] G.-R. Hoffmann. Weather forecasting and parallel processing: A view from ECMWF. <i>International Journal of High Speed Computing (IJHSC)</i>, 5(1):63–70, March 1993. CODEN IHSCEZ. ISSN 0129-0533.</p> | <div style="border: 1px solid black; padding: 2px; text-align: center;">HPK95</div> <p>[HPK95] M. Hamdi, Y. Pan, and W. T. Kwong. Efficient image processing applications on the MasPar massively parallel computers. <i>International Journal of High Speed Computing (IJHSC)</i>, 7(4):489–514, 1995. CODEN IHSCEZ. ISSN 0129-0533.</p> <div style="border: 1px solid black; padding: 2px; text-align: center;">Hammond:1992:EIS</div> <p>[HS92] S. W. Hammond and R. Schreiber. Efficient ICCG on a shared memory multiprocessor. <i>International Journal of High Speed Computing (IJHSC)</i>, 4(1):1–22, March 1992. CODEN IHSCEZ. ISSN 0129-0533.</p> <div style="border: 1px solid black; padding: 2px; text-align: center;">Hoteit:1999:VPI</div> <p>[HSP⁺99] H. Hoteit, R. Sauleau, B. Philippe, Ph. Coquet, and J. P. Daniel. Vector and parallel implementations for the FDTD analysis of millimeter wave planar antennas. <i>International Journal of High Speed Computing (IJHSC)</i>, 10(2):209–234, June 1999. CODEN IHSCEZ. ISSN 0129-0533.</p> <div style="border: 1px solid black; padding: 2px; text-align: center;">Ito:1990:RNN</div> <p>[IFM90] Takayuki Ito, Kunihiro Fukushima, and Sei Miyake. Realization of a neural network model Neocognitron on a hypercube parallel computer. <i>International Journal of High Speed Computing (IJHSC)</i>, 2(1):1–16, March 1990. CODEN IHSCEZ. ISSN 0129-0533.</p> |
|---|--|

- Johnson:1994:DRD**
- [JC94a] T. Johnson and A. Colbrook. A distributed, replicated, data-balanced search structure. *International Journal of High Speed Computing (IJHSC)*, 6(4):475–??, 1994. CODEN IHSCEZ. ISSN 0129-0533.
- Joubert:1994:EGI**
- [JC94b] W. D. Joubert and G. F. Carey. Embedded gradient iterative solution of a class of nonlinear PDE's on the connection machine. *International Journal of High Speed Computing (IJHSC)*, 6(2):277–??, 1994. CODEN IHSCEZ. ISSN 0129-0533.
- Jena:1999:ILZ**
- [Jen99] S. K. Jena. An improved Lempel-Ziv algorithm for sequential data compression. *International Journal of High Speed Computing (IJHSC)*, 10(3):275–284, September 1999. CODEN IHSCEZ. ISSN 0129-0533.
- Jang:1997:FPR**
- [Jl97] J-W Jang and K. G. lee. Fast parallel radix sort using a reconfigurable mesh. *International Journal of High Speed Computing (IJHSC)*, 9(1):25–40, 1997. CODEN IHSCEZ. ISSN 0129-0533.
- Johnston:1997:RSC**
- [Joh97] W. W. Johnston. Rationale and strategy for a 21st Century scientific computing architecture: The case for using commercial symmetric multi-processors as supercomputers. *International Journal of High Speed Computing (IJHSC)*, 9(3):191–222, 1997. CODEN IHSCEZ. ISSN 0129-0533.
- Jayadevan:1999:FTC**
- [JP99] A. Jayadevan and L. M. Patnaik. Fault-tolerant characteristics and topological properties of a hierarchical network of hypercubes. *International Journal of High Speed Computing (IJHSC)*, 10(1):1–18, March 1999. CODEN IHSCEZ. ISSN 0129-0533.
- Karp:1994:SEN**
- [Kar94] A. H. Karp. Some experiences with Network LINDA. *International Journal of High Speed Computing (IJHSC)*, 6(1):55–??, 1994. CODEN IHSCEZ. ISSN 0129-0533.
- Kao:1996:CTA**
- [KHG96] T-W Kao, S-J Horng, and Y-H Guo. Constant time algorithms for graph connectivity problems on reconfigurable meshes using fewer processors. *International Journal of High Speed Computing (IJHSC)*, 8(4):371–386, 1996. CODEN IHSCEZ. ISSN 0129-0533.
- Kang:1992:HSA**
- [KKY⁺92] O. Kang, B. M. Kim, H. Yoon, et al. Heuristic subcube allocation with task migration in hypercube systems. *International Journal of High Speed Computing (IJHSC)*, 2(2):191–222, 1992. CODEN IHSCEZ. ISSN 0129-0533.

- Computing (IJHSC)*, 4(2):121–142, June 1992. CODEN IHSCEZ. ISSN 0129-0533. [Kuw92]
- Kok:1993:THS**
- [Kok93] J. N. Kok. Traces, histories and streams in the semantics of nondeterministic data flow. *International Journal of High Speed Computing (IJHSC)*, 5(2):225–242, June 1993. CODEN IHSCEZ. ISSN 0129-0533.
- Katoen:1993:RRS**
- [KR93] J. P. Katoen and M. Rem. Recognizing K -rotated segments. *International Journal of High Speed Computing (IJHSC)*, 5(2):293–??, June 1993. CODEN IHSCEZ. ISSN 0129-0533.
- Kazerouni:1996:MLR**
- [KRS96] L. Kazerouni, B. Rajan, and R. K. Shyamasundar. Mapping linear recurrence equations onto systolic architectures. *International Journal of High Speed Computing (IJHSC)*, 8(3):229–270, 1996. CODEN IHSCEZ. ISSN 0129-0533.
- Khemka:1993:MSP**
- [KS93] A. Khemka and R. K. Shyamasundar. Multiprocessor scheduling of periodic tasks in a hard real-time environment. *International Journal of High Speed Computing (IJHSC)*, 5(4):617–636, December 1993. CODEN IHSCEZ. ISSN 0129-0533. [LC94]
- Kuwahara:1992:FSS**
- K. Kuwahara. Flow simulation on supercomputers and its visualization. *International Journal of High Speed Computing (IJHSC)*, 4(1):49–??, March 1992. CODEN IHSCEZ. ISSN 0129-0533.
- Kolotilina:1995:FSA**
- L. Yu. Kolotilina and A. Yu. Yeremin. Factorized sparse approximate inverse preconditioning II: Solution of 3D FE systems on massively parallel computers. *International Journal of High Speed Computing (IJHSC)*, 7(2):191–216, 1995. CODEN IHSCEZ. ISSN 0129-0533.
- Lester:1993:ESH**
- D. R. Lester and G. L. Burn. An executable specification of the HDG-machine. *International Journal of High Speed Computing (IJHSC)*, 5(3):327–378, September 1993. CODEN IHSCEZ. ISSN 0129-0533.
- Lin:1994:PAS**
- W.-Y. Lin and C.-L. Chen. A parallel algorithm for solving tridiagonal linear systems on distributed-memory multiprocessors. *International Journal of High Speed Computing (IJHSC)*, 6(3):375–??, 1994. CODEN IHSCEZ. ISSN 0129-0533.
- Lu:1995:MSD**
- N. P. Lu and C. P. Chung. Memory system design in su-

- perscalar processing. *International Journal of High Speed Computing (IJHSC)*, 7(3):421–444, 1995. CODEN IHSCEZ. ISSN 0129-0533.
- Lou:1997:COS**
- [LC97] D-C Lou and C-G Chang. A cost optimal search technique for the knapsack problem. *International Journal of High Speed Computing (IJHSC)*, 9(1):1–12, 1997. CODEN IH-SCEZ. ISSN 0129-0533.
- Lee:1992:AHP**
- [Lee92a] K. Lee. Achieving high performance on the i860TM microprocessor with Naspack subroutines. *International Journal of High Speed Computing (IJHSC)*, 4(4):269–288, December 1992. CODEN IH-SCEZ. ISSN 0129-0533.
- Lee:1992:FPP**
- [Lee92b] K. Lee. On the floating point performance of the i860TM microprocessor. *International Journal of High Speed Computing (IJHSC)*, 4(4):251–268, December 1992. CODEN IH-SCEZ. ISSN 0129-0533.
- Lee:1995:PMM**
- [Lee95] P. Z. Lee. Parallel matrix multiplication algorithms on hypercube multiprocessors. *International Journal of High Speed Computing (IJHSC)*, 7(3):391–406, 1995. CODEN IHSCEZ. ISSN 0129-0533.
- [LF96] [LHK95]
- Lou:1996:PTD**
- J. Z. Lou and R. Ferraro. A parallel three-dimensional incompressible Navier–Stokes solver with a parallel multigrid kernel. *International Journal of High Speed Computing (IJHSC)*, 8(4):319–346, 1996. CODEN IHSCEZ. ISSN 0129-0533.
- Lin:1995:GRS**
- C. F. Lin, S. J. Horng, and T. W. Kao. Generalized rotate sort on mesh-connected computers with multiple broadcasting using fewer processors. *International Journal of High Speed Computing (IJHSC)*, 7(4):515–530, 1995. CODEN IH-SCEZ. ISSN 0129-0533.
- Lee:1997:DLD**
- W. Y. Lee, S. J. Hong, and J. Kim. Dynamic load distribution on meshes with broadcasting. *International Journal of High Speed Computing (IJHSC)*, 9(4):337–358, 1997. CODEN IH-SCEZ. ISSN 0129-0533.
- Li:1991:PII**
- Tao Li. Parallel imprecise iterative deepening for combinatorial optimization. *International Journal of High Speed Computing (IJHSC)*, 3(1):63–76, March 1991. CODEN IH-SCEZ. ISSN 0129-0533.
- Lin:1999:SCI**
- Jen-Chih Lin. Simulation of cycles in the IEH graph. *In-*
- [Li91]
- [Lin99a]

- ternational Journal of High Speed Computing (IJHSC)*, 10 (3):327–342, September 1999. CODEN IHSCEZ. ISSN 0129-0533.
- Lin:1999:BGHa**
- [Lin99b] Longsong Lin. Balanced generalized hypercubes: Complexity and cost/performance analysis. *International Journal of High Speed Computing (IJHSC)*, 10 (4):379–398, December 1999. CODEN IHSCEZ. ISSN 0129-0533.
- Lin:1999:BGHb**
- [Lin99c] Longsong Lin. Balanced generalized hypercubes: Optimal communication algorithms. *International Journal of High Speed Computing (IJHSC)*, 10 (4):399–426, December 1999. CODEN IHSCEZ. ISSN 0129-0533.
- Lin:2000:EHC**
- [Lin00] Jen-Chih Lin. Embedding Hamiltonian cycles, linear arrays and rings in a faulty supercube. *International Journal of High Speed Computing (IJHSC)*, 11(3):189–201, September 2000. CODEN IHSCEZ. ISSN 0129-0533. URL <http://ejournals.wspc.com.sg/ijhsc/11/1103/S0129053300000151.html>.
- Lee:2000:IEE**
- [LJ00] Jae Bum Lee and Chu Shik Jhon. Improving the execution efficiency of barrier syn-
- [LL00]
- chronization in software DSM through static analysis. *International Journal of High Speed Computing (IJHSC)*, 11 (3):167–188, September 2000. CODEN IHSCEZ. ISSN 0129-0533. URL <http://ejournals.wspc.com.sg/ijhsc/11/1103/S0129053300000138.html>.
- Lee:2000:PSA**
- [LPS96] Yunkyoung Lee and Sunggu Lee. Path selection algorithms for real-time communication. *International Journal of High Speed Computing (IJHSC)*, 11 (4):215–222, December 2000. CODEN IHSCEZ. ISSN 0129-0533.
- Levy:1996:CDS**
- M. Levy, N. Pesky, and S. Solomon. The complex dynamics of a simple stock market model. *International Journal of High Speed Computing (IJHSC)*, 8(1):93–??, 1996. CODEN IHSCEZ. ISSN 0129-0533.
- Li:1994:AAM**
- J. Z. Li and J. Srivastava. An array assignment method for parallel computing systems. *International Journal of High Speed Computing (IJHSC)*, 6 (1):81–??, 1994. CODEN IH-SCEZ. ISSN 0129-0533.
- Li:2000:ACA**
- Keqin Li and Xian-He Sun. Average-case analysis of isospeed

- scalability of parallel computations on multiprocessors. *International Journal of High Speed Computing (IJHSC)*, 11(1):15–36, March 2000. CODEN IHSCEZ. ISSN 0129-0533.
- Li:1995:TFM**
- [LT95] Tao Li and Lixin Tao. Topological feature maps on parallel computers. *International Journal of High Speed Computing (IJHSC)*, 7(4):531–546, 1995. CODEN IHSCEZ. ISSN 0129-0533.
- Luk:1997:WKS**
- [LW97] W-S Luk and O. Wing. Waveform Krylov subspace methods on a massively parallel computer. *International Journal of High Speed Computing (IJHSC)*, 9(1):73–??, 1997. CODEN IHSCEZ. ISSN 0129-0533.
- Li:1996:PAD**
- [LZ96] K-C Li and K. Zhang. A performance adviser for the development of parallel programs. *International Journal of High Speed Computing (IJHSC)*, 8 (3):205–228, 1996. CODEN IHSCEZ. ISSN 0129-0533.
- Meijer:1990:PBS**
- [MA90] H. Meijer and S. Akl. Parallel binary search with delayed read conflicts. *International Journal of High Speed Computing (IJHSC)*, 2(1):17–22, March 1990. CODEN IHSCEZ. ISSN 0129-0533.
- [Ma99] Sangback Ma. Comparisons of the parallel preconditioners on the CRAY-T3E for large nonsymmetric linear systems. *International Journal of High Speed Computing (IJHSC)*, 10 (3):285–300, September 1999. CODEN IHSCEZ. ISSN 0129-0533.
- Ma:1999:CPP**
- [Ma04] Sangback Ma. Comparisons of the parallel preconditioners for large nonsymmetric sparse linear systems on a parallel computer. *International Journal of High Speed Computing (IJHSC)*, 12(1):55–??, June 2004. CODEN IHSCEZ. ISSN 0129-0533.
- Ma:2004:CPP**
- [McB90] O. A. McBryan. Optimization of connection machine performance. *International Journal of High Speed Computing (IJHSC)*, 2(1):23–48, March 1990. CODEN IHSCEZ. ISSN 0129-0533.
- McBryan:1990:OCM**
- [MM97] K. N. Balasubramanya Murthy and C. Siva Ram Murthy. A new bidirectional Cholesky factorization algorithm for parallel solution of sparse symmetric positive definite systems. *International Journal of High Speed Computing (IJHSC)*, 9 (1):57–72, 1997. CODEN IHSCEZ. ISSN 0129-0533.
- Murthy:1997:NBC**

	Min:1994:CBD	Mall:1994:PSA
[MNP ⁺ 94]	S. L. Min, J. H. Nam, M. S. Park, et al. Cache-based data distribution constrained scheduling. <i>International Journal of High Speed Computing (IJHSC)</i> , 6(1):139–??, 1994. CODEN IHSCEZ. ISSN 0129-0533.	R. Mall, S. Raman, and L. M. Patnaik. A parallel simulated annealing-based channel router. <i>International Journal of High Speed Computing (IJHSC)</i> , 6(1):101–??, 1994. CODEN IHSCEZ. ISSN 0129-0533.
	Menasce:1994:SHP	Min:2000:PAA
[MPT94]	D. A. Menasce, S. C. Da Silva Porto, and S. K. Tripathi. Static heuristic processor assignment in heterogeneous multiprocessors. <i>International Journal of High Speed Computing (IJHSC)</i> , 6(1):115–??, 1994. CODEN IHSCEZ. ISSN 0129-0533.	Geyong Min, Hamid Sarbazi-Azad, and Mohamed Ould-Khaoua. Performance analysis of k -ary n -cube networks with pipelined circuit switching. <i>International Journal of High Speed Computing (IJHSC)</i> , 11(2):111–127, June 2000. CODEN IHSCEZ. ISSN 0129-0533.
	McCormick:1990:LRH	Murthy:1990:PIS
[MR90]	S. F. McCormick and U. Rüde. On local refinement higher order methods for elliptic partial differential equations. <i>International Journal of High Speed Computing (IJHSC)</i> , 2(4):311–334, December 1990. CODEN IHSCEZ. ISSN 0129-0533. Also available as TU-Bericht I-9034.	C. Siva Ram Murthy. Parallel iterative solution of large linear systems on hypercubes. <i>International Journal of High Speed Computing (IJHSC)</i> , 2(3):257–264, September 1990. CODEN IHSCEZ. ISSN 0129-0533.
	Mu:1992:ROG	Nagai:1995:BFI
[MR92]	M. Mu and J. R. Rice. Row oriented Gauss elimination on distributed memory multiprocessors. <i>International Journal of High Speed Computing (IJHSC)</i> , 4(2):143–168, June 1992. CODEN IHSCEZ. ISSN 0129-0533.	T. Nagai. Benchmarking Fortran intrinsic functions. <i>International Journal of High Speed Computing (IJHSC)</i> , 7(2):217–230, 1995. CODEN IHSCEZ. ISSN 0129-0533.
	Nan:1994:SPS	Nang:1994:SPS
	[Nan94]	J. Nang. A simple parallelizing scheme of genetic algorithm on distributed-memory

- multiprocessors. *International Journal of High Speed Computing (IJHSC)*, 6(3):451–??, 1994. CODEN IHSCEZ. ISSN 0129-0533.
- [NLK99] **Ng:2000:MTA**
- [Ng00] Michael K. Ng. K -means-type algorithms on distributed memory computer. *International Journal of High Speed Computing (IJHSC)*, 11(2):75–92, June 2000. CODEN IHSCEZ. ISSN 0129-0533.
- Nielsen:2000:PPF**
- [NH00] Ole Møller Nielsen and Markus Hegland. Parallel performance of fast wavelet transforms. *International Journal of High Speed Computing (IJHSC)*, 11(1):55–74, March 2000. CODEN IHSCEZ. ISSN 0129-0533.
- Nicolau:1993:MPF**
- [Nic93] A. Nicolau. Massive parallelism and fine-grain parallelism: Are they incompatible? *International Journal of High Speed Computing (IJHSC)*, 5(2):271–292, June 1993. CODEN IHSCEZ. ISSN 0129-0533.
- Nikhil:1993:PPL**
- [Nik93] R. S. Nikhil. The parallel programming language Id and its compilation for parallel machines. *International Journal of High Speed Computing (IJHSC)*, 5(2):171–223 (or 171–224??), June 1993. CODEN IHSCEZ. ISSN 0129-0533.
- [NM92] **Nam:1999:PSR**
- Kyungwan Nam, Sunggu Lee, and Jong Kim. Path selection for real-time communication in wormhole networks. *International Journal of High Speed Computing (IJHSC)*, 10(4):343–360, December 1999. CODEN IHSCEZ. ISSN 0129-0533.
- Nang:1992:PCM**
- J. H. Nang and S. R. Maeng. An AND-parallel computational model and its abstract machine for the parallel execution of functional logic language. *International Journal of High Speed Computing (IJHSC)*, 4(4):313–331 (or 313–332??), December 1992. CODEN IHSCEZ. ISSN 0129-0533.
- Noh:1997:RBP**
- S. H. Noh and A-M Moon. A row based parallel Gaussian elimination algorithm for the Connection Machine CM-2. *International Journal of High Speed Computing (IJHSC)*, 9(1):13–24, 1997. CODEN IHSCEZ. ISSN 0129-0533.
- Naik:1993:PCI**
- N. H. Naik, V. K. Naik, and M. Nicoules. Parallelization of a class of implicit finite difference schemes in computational fluid dynamics. *International Journal of High Speed Computing (IJHSC)*, 5(2):225–244, June 1993. CODEN IHSCEZ. ISSN 0129-0533.
- [NNN93]

- Journal of High Speed Computing (IJHSC)*, 5(1):1–50, March 1993. CODEN IHSCEZ. ISSN 0129-0533.
- Oh:2000:ORN**
- [OJH00] Juil Oh, Ju-Wook Jang, and Tack-Don Han. Overhead reduction in the network communication for Web computing. *International Journal of High Speed Computing (IJHSC)*, 11(2):93–110, June 2000. CODEN IHSCEZ. ISSN 0129-0533.
- Olariu:1994:DMT**
- [OSZ94] S. Olariu, J. L. Schwing, and J. Y. Zhang. Data movement techniques on reconfigurable meshes, with applications. *International Journal of High Speed Computing (IJHSC)*, 6(2):311–??, 1994. CODEN IHSCEZ. ISSN 0129-0533.
- Papadopoulos:1997:CDP**
- [PA97] G. A. Papadopoulos and F. Arbab. Coordination of distributed and parallel activities in the IWIM model. *International Journal of High Speed Computing (IJHSC)*, 9(2):127–160, 1997. CODEN IHSCEZ. ISSN 0129-0533.
- Prost:1989:MMP**
- [PB89] J. Prost and M. Becker. Modeling methodology for performance evaluation of parallel architectures a case study, LCAP. *International Journal of High Speed Computing (IJHSC)*, 1(4):563–601, December 1989. CODEN IHSCEZ. ISSN 0129-0533.
- Pean:2000:ELB**
- [PC00] Der-Lin Pean and Cheng Chen. Enhanced linked-based cache coherence protocols with a hardware mechanism to reduce the migratory sharing overhead. *International Journal of High Speed Computing (IJHSC)*, 11(4):223–252, December 2000. CODEN IHSCEZ. ISSN 0129-0533. URL <http://ejournals.wspc.com.sg/ijhsc/11/1104/S0129053300000163.html>.
- Petersen:1994:LFS**
- [Pet94] W. P. Petersen. Lagged Fibonacci series random number generators for the NEC SX-3. *International Journal of High Speed Computing (IJHSC)*, 6(3):387–??, 1994. CODEN IHSCEZ. ISSN 0129-0533.
- Pandey:1990:PAM**
- [PKL90] P. Pandey, C. Kenney, and A. J. Laub. A parallel algorithm for the matrix sign function. *International Journal of High Speed Computing (IJHSC)*, 2(2):181–192, June 1990. CODEN IHSCEZ. ISSN 0129-0533.
- Park:1990:LAM**
- [PMC90] J. W. Park, S. R. Maeng, and J. W. Cho. Line accessible memory system for image processing. *International Journal of High Speed Computing (IJHSC)*, 1(4):563–601, December 1989. CODEN IHSCEZ. ISSN 0129-0533.

- nal of High Speed Computing (IJHSC)*, 2(4):375–??, December 1990. CODEN IHSCEZ. ISSN 0129-0533. [PS93]
- Polychronopoulos:1993:PPI**
- [Pol93] C. D. Polychronopoulos. Parallel programming issues. *International Journal of High Speed Computing (IJHSC)*, 5(3):413–474, September 1993. CODEN IHSCEZ. ISSN 0129-0533. [PS95]
- Prameela:1999:PIA**
- [PP99] B. Prameela and L. M. Patnaik. Parallel implementation of alternate quadrant interlocking factorisation method on star topology. *International Journal of High Speed Computing (IJHSC)*, 10(4):361–378, December 1999. CODEN IHSCEZ. ISSN 0129-0533. [PY96]
- Porto:1995:TSA**
- [PR95] S. C. S. Porto and C. C. Ribeiro. A tabu search approach to task scheduling on heterogeneous processors under precedence constraints. *International Journal of High Speed Computing (IJHSC)*, 7(1):45–??, 1995. CODEN IHSCEZ. ISSN 0129-0533. [PYL⁺94]
- Pearson:1990:VEI**
- [PS90] R. A. Pearson and P. E. Stokes. Vector evaluation in induction algorithms. *International Journal of High Speed Computing (IJHSC)*, 2(1):85–??, March 1990. CODEN IHSCEZ. ISSN 0129-0533. [RG93]
- Prasad:1993:PEM**
- E. V. Prasad and A. K. Sarje. Performance evaluation of multiprocessor system modelled as t -out-of- s system. *International Journal of High Speed Computing (IJHSC)*, 5(1):71–88, March 1993. CODEN IHSCEZ. ISSN 0129-0533. [Pradhan:1995:OWB]
- J. Pradhan and C. V. Sastry. On optimal weighted binary trees. *International Journal of High Speed Computing (IJHSC)*, 7(3):445–464, 1995. CODEN IHSCEZ. ISSN 0129-0533.
- Park:1996:DPA**
- J. Park and H. Yoon. Design and performance analysis of multistage interconnection networks using a recursive multicast algorithm. *International Journal of High Speed Computing (IJHSC)*, 8(4):347–362, 1996. CODEN IHSCEZ. ISSN 0129-0533. [Park:1994:RBN]
- J. Park, H. Yoon, H. Lee, et al. The ring-banyan network: A fault tolerant multistage interconnection network for multiprocessor systems. *International Journal of High Speed Computing (IJHSC)*, 6(4):557–??, 1994. CODEN IHSCEZ. ISSN 0129-0533.
- Rothberg:1993:ELL**
- E. Rothberg and A. Gupta. An evaluation of left-looking,

- right-looking and multifrontal approaches to sparse Cholesky factorization on hierarchical memory machines. *International Journal of High Speed Computing (IJHSC)*, 5(4):537–594, December 1993. CODEN IHSCEZ. ISSN 0129-0533.
- [RR99] T. Rauber and G. Rünger. Diagonal-implicitly iterated Runge–Kutta methods on distributed memory machines. *International Journal of High Speed Computing (IJHSC)*, 10(2):185–208, June 1999. CODEN IHSCEZ. ISSN 0129-0533.
- [Reeves:1994:ARH]
- [RG94] D. S. Reeves and E. F. Gehringer. Adaptive routing for hypercube multiprocessors: A performance study. *International Journal of High Speed Computing (IJHSC)*, 6(1):1–??, 1994. CODEN IHSCEZ. ISSN 0129-0533.
- [Rinard:1997:LOP]
- [Rin97] M. C. Rinard. Locality optimizations for parallel computing using data access information. *International Journal of High Speed Computing (IJHSC)*, 9(2):161–??, 1997. CODEN IHSCEZ. ISSN 0129-0533.
- [Raman:1990:ABC]
- [RP90] S. Raman and L. M. Patnaik. An annealing-based circuit partitioner for hypercube architecture: Design and performance evaluation. *International Journal of High Speed Computing (IJHSC)*, 2(1):49–68, March 1990. CODEN IHSCEZ. ISSN 0129-0533.
- [Raman:1990:PIC]
- [RPM90] S. Raman, L. M. Patnaik, and R. Mall. Parallel implementation of circuit simulation.
- [Sab93] T. Rauber, G. Rünger, and C. Scholtes. Scalability of sparse Cholesky factorization. *International Journal of High Speed Computing (IJHSC)*, 10(1):19–52, March 1999. CODEN IHSCEZ. ISSN 0129-0533.
- [Sabot:1993:PP]
- [Sat99] G. W. Sabot. Paralation programming. *International Journal of High Speed Computing (IJHSC)*, 5(2):243–270, June 1993. CODEN IHSCEZ. ISSN 0129-0533.
- [Sato:1999:SSC]
- Toshinori Sato. A simulation study of combining load value and address predictors. *International Journal of High Speed Computing (IJHSC)*, 10(3):301–326, September 1999. CODEN IHSCEZ. ISSN 0129-0533.
- International Journal of High Speed Computing (IJHSC)*, 2(4):351–374, December 1990. CODEN IHSCEZ. ISSN 0129-0533.
- [Rauber:1999:DII]
- [Rauber:1999:SSC]
- [Sabot:1993:PP]
- [Sato:1999:SSC]

- | | |
|--|---|
| <p>Sarno:1990:GDR</p> <p>[SBH90] R. Sarno, V. C. Bhavsar, and E. M. A. Hussein. Generation of discrete random variables on vector computers for Monte Carlo simulations. <i>International Journal of High Speed Computing (IJHSC)</i>, 2(4):335–350, December 1990. CODEN IHSCEZ. ISSN 0129-0533.</p> <p>Sarno:1996:CVD</p> <p>[SBH96] R. Sarno, V. C. Bhavsar, and E. M. A. Hussein. A comparison of vectorizable discrete sampling methods in Monte Carlo applications. <i>International Journal of High Speed Computing (IJHSC)</i>, 8(3):295–??, 1996. CODEN IHSCEZ. ISSN 0129-0533.</p> <p>Srinivas:1990:SPP</p> <p>[SBK⁺90] S. Srinivas, A. Basu, K. G. Kumar, et al. Studies on the performance of a parallel iterative algorithm on transputer arrays. <i>International Journal of High Speed Computing (IJHSC)</i>, 2(3):265–??, September 1990. CODEN IHSCEZ. ISSN 0129-0533.</p> <p>Sethi:1995:ECS</p> <p>[SBS95] A. Sethi, S. Biswas, and A. Sanyal. Extensions to cycle shrinking. <i>International Journal of High Speed Computing (IJHSC)</i>, 7(2):265–284, 1995. CODEN IHSCEZ. ISSN 0129-0533.</p> | <p>Shiau:1994:EHI</p> <p>[SC94] Y.-H. Shiau and C.-P. Chung. Effects and handling of instruction class contention in superscalar processing. <i>International Journal of High Speed Computing (IJHSC)</i>, 6(3):357–??, 1994. CODEN IHSCEZ. ISSN 0129-0533.</p> <p>Shyu:1996:ILQ</p> <p>[SCC96a] Shyong Jian Shyu, H. K.-C. Chang, and K.-C. Chou. Implementation of a linear quadtree coding scheme on the parallel virtual machine. <i>International Journal of High Speed Computing (IJHSC)</i>, 8(1):65–79, March 1996. CODEN IHSCEZ. ISSN 0129-0533.</p> <p>Sjyu:1996:ILQ</p> <p>[SCC96b] J. Sjyu, H. K-C Chang, and K-C Chou. Implementation of a linear quadtree coding scheme on the parallel virtual machine. <i>International Journal of High Speed Computing (IJHSC)</i>, 8(1):65–80, 1996. CODEN IHSCEZ. ISSN 0129-0533.</p> <p>Schreiber:1993:ACM</p> <p>[Sch93] R. Schreiber. An assessment of the Connection Machine. <i>International Journal of High Speed Computing (IJHSC)</i>, 5(4):523–536, December 1993. CODEN IHSCEZ. ISSN 0129-0533.</p> <p>Sheu:1990:HMS</p> <p>[SCS90] J. P. Sheu, W. T. Chen, and H. M. Su. A hierarchical multiprocessor structure based on</p> |
|--|---|

- multistage networks. *International Journal of High Speed Computing (IJHSC)*, 2(2):117–132, June 1990. CODEN IHSCEZ. ISSN 0129-0533.
- Seidel:1994:GSA**
- [SD94] S. R. Seidel and M. A. Davis. Global synchronization algorithms for the Intel IPSC/860. *International Journal of High Speed Computing (IJHSC)*, 6(4):537–??, 1994. CODEN IHSCEZ. ISSN 0129-0533.
- Shih:2000:AFT**
- [Shi00] Jau-Der Shih. An adaptive fault-tolerant wormhole routing algorithm for hypercubes. *International Journal of High Speed Computing (IJHSC)*, 11(3):151–166, September 2000. CODEN IHSCEZ. ISSN 0129-0533. URL <http://ejournals.wspc.com.sg/ijhsc/11/1103/S012905330000014X.html>.
- Sinclair:1996:ORS**
- [Sin96] R. Sinclair. Optimization of reciprocals and square roots on the i860 microprocessor. *International Journal of High Speed Computing (IJHSC)*, 8(1):57–64, 1996. CODEN IHSCEZ. ISSN 0129-0533.
- Sun:1995:PPA**
- [SJ95] X-H Sun and R. D. Joslin. A parallel prefix algorithm for almost Toeplitz tridiagonal systems. *International Journal of High Speed Computing (IJHSC)*, 7(4):547–576, 1995.
- SKG97**
- SKW92**
- SKY97**
- Song:1997:TRT**
- H. Song, B. Kwon, and J-Y Kim H. Yoon. Two real-time flow controls in wormhole networks. *International Journal of High Speed Computing (IJHSC)*, 9(3):237–258, 1997. CODEN IHSCEZ. ISSN 0129-0533.
- Sathe:2000:CTI**
- S. R. Sathe and P. M. Nawghare. Computation time and idle time of tiling transformation on a network of workstations. *International Journal of High Speed Computing (IJHSC)*, 11(3):129–149, September 2000.
- Shu:1992:WAC**
- C. K. Sandalci, C. K. Koc, and S. M. Goodnick. Three-dimensional Monte Carlo device simulation with parallel multigrid solver. *International Journal of High Speed Computing (IJHSC)*, 9(3):223–236, 1997. CODEN IHSCEZ. ISSN 0129-0533.
- Sandalci:1997:TDM**
- CODEN IHSCEZ. ISSN 0129-0533.

- CODEN IHSCEZ. ISSN 0129-0533. URL <http://ejournals.wspc.com.sg/ijhsc/11/1103/S0129053300000126.html>. [Swa04]
- Sastry:1992:LBE**
- [SP92] C. V. Sastry and J. Pradhan. Lower bounds to the external pathlength of a lopsided binary tree. *International Journal of High Speed Computing (IJHSC)*, 4(3):169–178, September 1992. CODEN IHSCEZ. ISSN 0129-0533.
- Scalettar:1995:SIM**
- [SRC⁺95] R. T. Scalettar, K. J. Runge, J. Correa, et al. Simulations of interacting many body systems using p4. *International Journal of High Speed Computing (IJHSC)*, 7(3):327–350, 1995. CODEN IHSCEZ. ISSN 0129-0533.
- Song:1995:PPP**
- [SS95] J. Song and R. Shu. Parallel and pipelined parallel consecutive sums on a hypercube with application to ray casting. *International Journal of High Speed Computing (IJHSC)*, 7(1):145–??, 1995. CODEN IHSCEZ. ISSN 0129-0533.
- Swarztrauber:2000:VM**
- [Swa00] Paul N. Swarztrauber. The vector multiprocessor. *International Journal of High Speed Computing (IJHSC)*, 11(1):37–54, March 2000. CODEN IHSCEZ. ISSN 0129-0533.
- SWL90**
- [TB95]
- [THL⁺96]
- Tsai:1996:PSA**
- H-R Tsai, S-J Horng, S-S Lee, et al. Parallel sorting algorithms on a hyperchannel broadcast communication model. *International Journal of High Speed Computing (IJHSC)*, 8(4):307–318, 1996. CODEN IHSCEZ. ISSN 0129-0533.
- Toffoli:1993:PMC**
- T. Toffoli and N. Margolus. Programmable matter: Concepts and realization. *International Journal of High Speed*

- Computing (IJHSC)*, 5(2):155–170, June 1993. CODEN IHSCEZ. ISSN 0129-0533.
- Tripathi:2000:GBM**
- [TSKV00] Anil Kumar Tripathi, Biplob Kumar Sarker, Naveen Kumar, and Deo Prakash Vidyarthi. A GA based multiple task allocation considering load. *International Journal of High Speed Computing (IJHSC)*, 11(4):203–214, December 2000. CODEN IHSCEZ. ISSN 0129-0533.
- Tripathi:1996:GTA**
- [TVM96] A. K. Tripathi, D. P. Vidyarthi, and A. N. Mantri. A genetic task allocation algorithm for distributed computing systems incorporating problem specific knowledge. *International Journal of High Speed Computing (IJHSC)*, 8(4):363–370, 1996. CODEN IHSCEZ. ISSN 0129-0533.
- Venkatakrishnan:1994:PCA**
- [Ven94] V. Venkatakrishnan. Parallel computation of Ax and $A^T x$. *International Journal of High Speed Computing (IJHSC)*, 6(2):325–??, 1994. CODEN IHSCEZ. ISSN 0129-0533.
- Vijay:1995:FTS**
- [Vij95] M. Vijay. Fault tolerant systolic evaluation of polynomials and exponentials of polynomials for equispaced arguments using time redundancy. *International Journal of High Speed Computing (IJHSC)*, 5(2):155–170, June 1993. CODEN IHSCEZ. ISSN 0129-0533.
- Waltz:1993:MPA**
- [Wal93] D. L. Waltz. Massively parallel AI. *International Journal of High Speed Computing (IJHSC)*, 5(3):491–??, September 1993. CODEN IHSCEZ. ISSN 0129-0533.
- Vidyarthi:1996:PCT**
- [VT96] D. P. Vidyarthi and A. K. Tripathi. Precedence-constrained task allocation in distributed computing systems. *International Journal of High Speed Computing (IJHSC)*, 8(1):47–56, 1996. CODEN IHSCEZ. ISSN 0129-0533.
- Vandewalle:1991:PPS**
- [VvDP91] S. Vandewalle, R. van Driessche, and R. Piessens. The parallel performance of standard parabolic marching schemes. *International Journal of High Speed Computing (IJHSC)*, 3(1):1–30, March 1991. CODEN IHSCEZ. ISSN 0129-0533.
- Veidenbaum:1999:NSI**
- [VZS99] A. V. Veidenbaum, Q. Zhao, and A. Shameer. Nonsequential instruction cache prefetching for multiple-issue processors. *International Journal of High Speed Computing (IJHSC)*, 10(1):115–140, March 1999. CODEN IHSCEZ. ISSN 0129-0533.

- | | |
|---|--|
| <div style="text-align: center; border: 1px solid black; padding: 2px;">Waser:1995:CSP</div> <p>[WB95] S. Waser and H. Burkhart. A case study of parallel processing: Informatics vs scientific computing. <i>International Journal of High Speed Computing (IJHSC)</i>, 7(4):577–594, 1995. CODEN IHSCEZ. ISSN 0129-0533.</p> <div style="text-align: center; border: 1px solid black; padding: 2px;">Wang:1994:HCS</div> <p>[WC94] H.-H. Wang and R.-C. Chang. A hybrid coherence scheme for software distributed shared memory. <i>International Journal of High Speed Computing (IJHSC)</i>, 6(4):519–??, 1994. CODEN IHSCEZ. ISSN 0129-0533.</p> <div style="text-align: center; border: 1px solid black; padding: 2px;">Wang:1995:MSO</div> <p>[WC95] Y. M. Wang and R. C. Chang. A minimal synchronization overhead affinity scheduling algorithm for shared-memory multiprocessors. <i>International Journal of High Speed Computing (IJHSC)</i>, 7(2):231–250, 1995. CODEN IHSCEZ. ISSN 0129-0533.</p> <div style="text-align: center; border: 1px solid black; padding: 2px;">Wu:1999:GMC</div> <p>[WC99] C.-C. Wu and C. Chen. Grouping memory consistency model for parallel-multithreaded shared-memory multiprocessor systems. <i>International Journal of High Speed Computing (IJHSC)</i>, 10(1):53–82, March 1999. CODEN IHSCEZ. ISSN 0129-0533.</p> | <div style="text-align: center; border: 1px solid black; padding: 2px;">WG94</div> <p>[Wil93] [YBN93]</p> <div style="text-align: center; border: 1px solid black; padding: 2px;">Wong:1994:SSI</div> <p>W. F. Wong and E. Goto. A simulation study on the interactions between multithreaded architectures and the cache. <i>International Journal of High Speed Computing (IJHSC)</i>, 6 (2):343–??, 1994. CODEN IHSCEZ. ISSN 0129-0533.</p> <div style="text-align: center; border: 1px solid black; padding: 2px;">Wilcke:1993:MCS</div> <p>W. Wilcke. MIMD computers for scientific applications. <i>International Journal of High Speed Computing (IJHSC)</i>, 5 (3):403–412, September 1993. CODEN IHSCEZ. ISSN 0129-0533.</p> <div style="text-align: center; border: 1px solid black; padding: 2px;">Womble:1990:MIM</div> <p>D. E. Womble and B. C. Young. A model and implementation of multigrid for massively parallel computers. <i>International Journal of High Speed Computing (IJHSC)</i>, 2 (3):239–256, September 1990. CODEN IHSCEZ. ISSN 0129-0533.</p> <div style="text-align: center; border: 1px solid black; padding: 2px;">Yang:1993:MSM</div> <p>J. Y. Yang, L. Bic, and A. Nicolau. A mapping strategy for MIMD computers. <i>International Journal of High Speed Computing (IJHSC)</i>, 5 (1):89–??, March 1993. CODEN IHSCEZ. ISSN 0129-0533.</p> <div style="text-align: center; border: 1px solid black; padding: 2px;">Yaacoby:1994:BBS</div> <p>Y. Yaacoby and P. Cappello. Bounded broadcast in systolic</p> |
| [YC94] | |

arrays. *International Journal of High Speed Computing (IJHSC)*, 6(2):223–??, 1994. CODEN IHSCEZ. ISSN 0129-0533.

Yang:1996:EST

[YG96] T. Yang and A. Gerasoulis. Executing scheduled task graphs on message-passing architectures. *International Journal of High Speed Computing (IJHSC)*, 8(3):271–294, 1996. CODEN IHSCEZ. ISSN 0129-0533.

Yaqub:1999:SMM

[YSA99] M. Yaqub, Q. Shaikh, and S. S. Ahmad. A shared memory multiprocessor system for the recognition of solid objects. *International Journal of High Speed Computing (IJHSC)*, 10(2):141–152, June 1999. CODEN IHSCEZ. ISSN 0129-0533.

Zhang:1992:ELP

[Zha92] K. Zhang. An experiment with a logic program execution model on the transputer. *International Journal of High Speed Computing (IJHSC)*, 4(3):233–??, September 1992. CODEN IHSCEZ. ISSN 0129-0533.