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Abstract

This bibliography records articles presented at the Supercomputing '91 conference.

Title word cross-reference

15 [MS91]. **1990** [STVS91].

2600 [SWL+91].

3 [SWL+91].

4 [KSY91].

'91 [IEE91].

access [BC91, BS91]. **accesses** [GV91]. **across** [MMF+91, NGHG+91]. **adaptive** [FGPS91]. **Albuquerque** [IEE91]. **algebra** [KS91]. **algorithm** [Pug91, TG91, YG91, de 91]. **algorithms** [FGPS91, Nar91]. **alias** [Chi91]. **Alleviation** [FWW91]. **analyses** [TRM91]. **Analysis** [Nar91, CV91, Pug91, WL91]. **animation** [UHP91]. **aperture** [PMG91]. **Application** [RJCC91]. **applications** [DKMS91, MK91]. **applied** [Chr91]. **approach** [KS91]. **approaches** [TMB91]. **Architecture** [HQA+91, AFH+91, BP91a, Kar91, KSS+91, Tze91]. **Architecture-independent** [HQA+91]. **architectures** [BL91, Nar91, TRM91]. **array** [BL91, GV91, Nar91]. **arrays** [QM91]. **arrhythmias** [Sad91]. **auditorialization** [HW91]. **automatic** [CP91, KS91].

balance [VN91]. **balancing** [AGM91, KSY91]. **bank** [BU91]. **based** [BDG+91, Kar91, KSS+91]. **behavior** [FLK+91, MK91]. **Bell** [DKMS91, STVS91].

benchmarks [BBB+91, BF91]. **benchmarks-summary** [BBB+91]. **block** [Chr91, KS91]. **Boltzmann** [Elt91]. **bounded** [Aln91]. **bounded-degree** [Aln91]. **Burgers** [Elt91].

C [HQA+91, Smi91]. **cardiac** [Sad91]. **case** [HQA+91]. **CG** [Chr91]. **challenge** [CFK+91]. **Chaotic** [Sad91]. **Characterizing** [GPCJ91]. **checkpoint** [BP91b]. **chip** [BC91]. **class** [Chr91]. **Climate** [Che91, MMF+91]. **code** [EOS91, HKM91]. **coherence** [CV91]. **communicating** [IAS+91]. **communication** [VN91]. **communications** [Koe91, QM91]. **community** [MW91]. **Comparison** [CV91, NGHG+91, SWL+91]. **Compiler** [HKT91, Koe91, STVS91, AFH+91]. **Compiler-time** [Koe91]. **compilers** [Smi91]. **complex** [SBGM91]. **computation** [Kar91]. **computational** [Elt91]. **computations** [KS91]. **computer** [TRM91]. **computers** [JH91, RJCC91]. **Computing** [Dan91, SBGM91, IAS+91, TV91, Wil91]. **concurrent** [BDG+91, KWFN91]. **conditioned** [PF91]. **conflict** [SN91]. **conflict-free** [SN91]. **connected** [Tze91]. **Connection** [MS91, SDM91]. **conquer** [GK91]. **consistency** [DWB+91]. **constant** [Aln91]. **contention** [BU91]. **contentions** [BS91]. **costs** [PBH91]. **course** [TV91]. **Cray** [SWL+91]. **cube** [Tze91]. **cube-connected** [Tze91]. **cycles** [Tze91].

DAGs [YG91]. **data** [BC91, GV91, Kan91, MC91, Nar91]. **dataparallel** [HQA+91]. **debate** [Can91]. **debugging** [GH91]. **decoupled** [BU91]. **degree** [Aln91]. **Delayed** [DWB+91]. **dense** [Mal91]. **dependence** [Pug91]. **Design** [Tze91, WL91, CM91, SN91]. **Detecting** [GV91]. **detection** [MC91]. **development** [BDG+91]. **differential** [HIS91]. **dimensional** [Elt91, TRM91]. **directed** [BP91a]. **directory** [CV91]. **distributed** [AGM91, AFH+91, HKT91, IAS+91, Mal91, SY91]. **distributed-memory** [HKT91]. **Distributing** [NGHG+91]. **Distribution** [MMF+91, KSY91]. **divide** [GK91]. **divide-and-conquer** [GK91]. **division** [QM91, de 91]. **DNA** [NGHG+91]. **DOACROSS** [CY91, SY91]. **dynamic** [Chi91]. **dynamics** [TMB91].

effective [BC91]. **Effects** [VN91, DWB+91]. **Efficient** [SY91, Chr91, TG91, WL91]. **element** [BL91, TRM91]. **elliptic** [STVS91]. **EM-4** [KSY91]. **emerging** [KSS+91]. **empirical** [CY91, LMSS91]. **environment** [Dan91]. **equation** [Elt91, HIS91]. **Euclidean** [de 91]. **evaluation** [CP91]. **examination** [TG91]. **execution** [SY91]. **experiments** [LG91]. **explicit** [PBH91]. **Exploration** [Wil91].

Factoring [HSF91]. **factorization** [Mal91, VN91]. **fast** [Pug91, YG91, de 91]. **FFTs** [lWR91]. **finite** [Kar91, TRM91]. **finite-element** [TRM91]. **floating** [MMNP91]. **floating-point** [MMNP91]. **flow** [EOS91, SBGM91]. **fluid** [HIS91]. **fly** [MC91]. **fork** [MC91]. **fork-join** [MC91]. **format** [MMNP91]. **FORTRAN** [Can91, UHP91]. **FortranD** [HKT91]. **framework** [CM91]. **free** [SN91]. **Fujitsu** [SWL+91]. **Fully** [FGPS91]. **Fully-adaptive** [FGPS91]. **function** [KSY91]. **functions** [HIS91].

generation [BL91, HKM91, Koe91]. **generator** [STVS91]. **geometries** [Kar91, SBGM91]. **geophysics** [Wil91]. **Gigaflops** [MS91]. **Gigascale** [Mei91]. **good** [Smi91]. **Gordon** [STVS91, DKMS91]. **GPFP** [BL91]. **Graphical** [BDG+91, UHP91]. **grid** [STVS91]. **GSI** [Mei91].

heterogeneous [NGHG+91]. **hierarchical** [WL91]. **High** [GK91, YZ91, CFK+91, CM91, MMF+91]. **high-performance** [CM91]. **high-speed** [MMF+91]. **highly** [Tze91]. **hot** [GPCJ91]. **hypercubes** [lWR91].

ill [PF91]. **ill-conditioned** [PF91]. **image** [PMG91]. **implementation** [Chr91, EOS91]. **implications** [TRM91]. **independent** [HQA+91]. **information** [HW91]. **Input** [MK91]. **Input/output** [MK91]. **integer** [Pug91]. **integrated** [Chi91]. **integration** [Mei91]. **intelligence** [MW91]. **Intelligent** [IAS+91]. **interactive** [CP91]. **interconnection** [FWW91, WL91]. **Interprocedural** [HKM91]. **issues** [RJCC91]. **iteration** [RS91]. **iterative** [PF91].

join [MC91].

K2 [AFH+91].

language [HIS91]. **Large** [KWFN91, PBH91, RJCC91]. **lattice** [Elt91]. **lectures** [DKMS91]. **level** [GK91]. **libraries** [MMNP91]. **linear** [Chr91, FJ91, KS91, PF91]. **Load** [KSY91, AGM91, VN91]. **localization** [PBH91]. **lookahead** [BU91]. **loops** [CY91, HSF91]. **LU** [Mal91].

machine [GPCJ91, MS91, SDM91]. **machines** [HKT91, RS91]. **management** [Chi91]. **mapping** [IAS+91]. **Mass** [MW91]. **Massively** [TV91, BL91, FLK+91, RJCC91, SBGM91]. **math** [MMNP91]. **matrix** [Kar91, VN91]. **Measurement** [BS91]. **mechanism** [BP91b]. **media** [EOS91]. **memory** [AFH+91, BU91, BP91b, BS91, Chi91, GPCJ91, GH91, HKT91, Mal91, PBH91, RS91, SN91, SY91, de 91]. **method** [Chr91, Elt91, HSF91, Kan91]. **Mexico** [IEE91]. **mid** [TV91]. **mid-course** [TV91]. **milieu** [KWFN91]. **MIMD** [Dan91, GPCJ91, HKT91]. **miss** [DWB+91]. **model** [MMF+91]. **modeling** [Che91, Dan91, MS91, SDM91]. **molecular** [TMB91]. **MOVE** [CM91]. **MP** [SWL+91]. **MTOOL** [GH91]. **multicomputer** [AGM91]. **multicomputers** [KSS+91]. **multidimensional** [RS91]. **multiple** [BS91]. **multiplexed** [JH91]. **multiprocessor** [GH91, Mal91, PBH91, QM91]. **multiprocessors** [SN91, SY91, ZB91]. **multistage** [FWW91, FJ91].

NAS [BBB+91, BF91]. **NEC** [SWL+91]. **nested** [MC91]. **Network** [KSS+91, BDG+91]. **Network-based** [KSS+91, BDG+91]. **networks** [Aln91, FWW91, FJ91, MMF+91, WL91]. **next** [BL91]. **non** [CWW91]. **non-uniform** [CWW91]. **nonshared** [RS91]. **November** [IEE91]. **number** [Aln91, YG91].

Object [LG91]. **Ocean** [SDM91]. **Omega** [Pug91]. **on-chip** [BC91]. **On-the-fly** [MC91]. **operand** [BU91]. **operating** [AFH+91]. **optical** [JH91, QM91]. **Optimal** [Aln91]. **optimizations** [HKT91]. **oriented** [LG91]. **output** [MK91].

package [PF91]. **packet** [FGPS91]. **pairs** [TG91]. **Parallel** [TMB91, lWR91, AFH+91, BBB+91, BF91, BL91, CWW91, CP91, Che91, Chr91, DWB+91, EOS91, FLK+91, HKM91, HSF91, Kar91, KSS+91, LG91, PMG91, RJCC91, SBGM91, TG91, TV91, UHP91, Wil91]. **parallelism** [CWW91, GK91, MC91]. **parallelization** [KS91, STVS91]. **partial** [HIS91]. **partitioning** [BP91a, VN91]. **patterns** [Koe91]. **PDEQSOL** [HIS91]. **penalty** [BC91]. **Performance** [AGM91, BF91, GH91, CM91, FGPS91,

SWL+91, YZ91]. **permutations** [FJ91]. **PILS** [PF91]. **pivoting** [Mal91]. **point** [MMNP91]. **Pointer** [LMSS91]. **porous** [EOS91]. **power** [lWR91]. **power-of-two** [lWR91]. **practical** [HSF91, Pug91]. **prediction** [AGM91]. **preliminary** [BBB+91]. **preloading** [BC91]. **prime** [de 91]. **Prize** [DKMS91, STVS91]. **problem** [TV91]. **problems** [HIS91]. **Proceedings** [IEE91]. **processes** [IAS+91]. **processing** [BL91, Kan91, KWFN91, PMG91, YZ91]. **processor** [AFH+91, BP91a, BS91, CM91, Nar91, SBGM91]. **processors** [YG91]. **profiles** [CWW91]. **Programming** [PBH91, CP91, HQA+91, LG91, Pug91]. **programs** [CWW91, DWB+91, FLK+91, GH91, MC91, UHP91]. **projective** [Kar91]. **protein** [NGHG+91]. **prototype** [KSY91].

races [MC91]. **radar** [PMG91]. **Radix** [ZB91]. **range** [TMB91]. **rate** [DWB+91]. **reality** [Wil91]. **recovery** [BP91b]. **reduce** [BC91, BU91]. **redundant** [GV91]. **references** [BU91]. **regular** [Koe91]. **rekindled** [Can91]. **reliable** [Tze91]. **replicated** [Nar91]. **requirements** [MW91]. **reservoir** [KWFN91, RJCC91, YZ91]. **resolution** [Chi91]. **results** [BBB+91, BF91, Elt91, LG91]. **Retire** [Can91]. **robust** [HSF91]. **rollback** [BP91b]. **rounds** [Aln91]. **routing** [FGPS91].

saturation [FWW91]. **scale** [KWFN91, PBH91, RJCC91]. **Scheduling** [CWW91, HSF91, VN91, YG91]. **scheme** [BC91, Chi91]. **schemes** [CV91]. **school** [CFK+91]. **scientific** [HQA+91, HW91]. **Seismic** [MS91]. **semantics** [BP91a]. **semantics-directed** [BP91a]. **sequences** [NGHG+91]. **shared** [GPCJ91, GH91, Kan91, PBH91, SY91]. **shared-memory** [SY91]. **short** [TMB91]. **simulation** [KWFN91, RJCC91, YZ91]. **simulations** [TMB91]. **software** [CV91]. **Solution** [HIS91]. **solver** [HIS91, PF91]. **sort** [ZB91]. **sorting** [Aln91]. **spaces** [RS91]. **sparse** [Kar91, VN91]. **speed** [MMF+91]. **spots** [GPCJ91]. **static** [YG91]. **storage** [MW91]. **studies** [HQA+91]. **study** [CY91, LMSS91]. **summary** [BBB+91]. **supercomputer** [BL91, DKMS91]. **supercomputers** [Che91, NGHG+91, PMG91, SWL+91]. **Supercomputing** [IEE91, BDG+91, CFK+91, MK91]. **support** [BP91b, GK91]. **switching** [FGPS91]. **SX** [SWL+91]. **SX-3** [SWL+91]. **symbolic** [Kan91]. **Synthetic** [PMG91]. **system** [AFH+91]. **systems** [AGM91, BS91, Chr91, IAS+91, PF91, de 91].

target [LMSS91]. **technology** [Mei91]. **test** [Pug91]. **Three** [TRM91, HQA+91, SWL+91]. **Three-dimensional** [TRM91]. **Threshold** [Mal91]. **Tiling** [RS91]. **Time** [JH91, QM91, Koe91]. **Time-division** [QM91]. **tools** [BDG+91, CP91]. **tracking** [LMSS91, TV91]. **transformations** [HKM91]. **translation** [BP91b]. **tree** [FWW91]. **tridiagonal** [Chr91]. **turbulent** [SBGM91]. **two** [BF91, Elt91, lWR91]. **two-dimensional** [Elt91].

ultra [de 91]. **unbounded** [YG91]. **uniform** [CWW91]. **Universal** [FJ91]. **Using** [BU91].

Vector [EOS91, BS91, Che91, Kan91, YZ91, ZB91]. **Vector/parallel** [EOS91]. **Vectorizing** [Smi91]. **via** [FJ91]. **virtual** [BP91b]. **viscous** [Elt91]. **Visualizing** [FLK+91]. **VLSI** [Aln91]. **VP** [SWL+91]. **VP-2600** [SWL+91].

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