

# A Bibliography of Supercomputing '93

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## Abstract

This bibliography records articles presented at the Supercomputing '93 conference.

**5** [KTR93, LTGJB93, LM93].

**77** [SWBO93].

**860** [Van93].

## Title word cross-reference

**90D** [BCF<sup>+</sup>93]. **90D/HPF** [BCF<sup>+</sup>93]. **'93** [IEE93, Sha93].

**N** [WS93].

**Access** [CCHT93, CFPB93]. **Acess** [cC93].

**\*T** [PBGB93].

**Adaptive**

**-Body** [WS93].

[DFWM93, NX93, SHHG93, SJ93]. **ADI**

**1** [SJGH93]. **1024** [LM93]. **1024-Node** [LM93].

[Van93]. **Advanced** [BW93]. **algebra**

**2** [KT93].

[DPW93]. **Algorithm**

**3** [Van93, WOU<sup>+</sup>93]. **3-D** [WOU<sup>+</sup>93]. **3-Dimensional** [Van93]. **3D** [CMBC93].

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[KHJ<sup>+</sup>93, Lv93]. **Alignment** [CGS93].

**all-port** [RJMC93]. **Allocator** [NP93].

**Analysis** [HS93, NSS93, PP93, SGC93].

**Analytical** [CQ93]. **Application**

[JBBH93, KT93, RKWF93]. **Applications**

[ASS93, GGL93, PP93, PSM93, PY93].

- Applications-Driven** [GGL93]. **Approach** [RG93]. **Arbitrary** [cC93].  
**Arbitrary-View-Projection** [cC93].  
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- Balancing** [DFWM93]. **Bandwidth** [BR93, Web93]. **Barrier** [Gra93].  
**Barrier-breaking** [Gra93]. **Based** [PSM93].  
**be** [TGJ93]. **Bell** [HKS93]. **benchmark** [SGC93]. **Bispectrum** [MWBL93]. **Block** [ASS93, RG93]. **Block-Oriented** [RG93].  
**blocks** [PBGB93]. **Body** [WS93].  
**Boltzmann** [LM93]. **breaking** [Gra93].  
**building** [PBGB93].
- C** [BBG<sup>+</sup>93, Sta93, CDG<sup>+</sup>93]. **C/C** [Sta93].  
**C90** [LCL<sup>+</sup>93]. **C916** [Gra93]. **Cache** [Bal93, DK93a, TGJ93, iMSG<sup>+</sup>93].  
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**Chemical** [GL93]. **Cholesky** [RG93]. **CM** [KTR93, KT93, LM93]. **CM-2** [KT93].  
**CM-5** [KTR93, LM93]. **Coherence** [Bal93, DK93a]. **collective** [RJMC93].  
**Common** [FRS<sup>+</sup>93]. **Communication** [KTR93, PSC93]. **Comparison** [SJGH93].  
**Compilation** [PSC93]. **Compile** [TGJ93].  
**Compile-Time** [TGJ93]. **Compiler** [ASS93, BW93, BCF<sup>+</sup>93, HKT93, FRS<sup>+</sup>93].  
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**Compute** [Mil93]. **Computer** [Was93].  
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**Computing** [Bai93, BK93, CLF<sup>+</sup>93, LS93a, Che93, PBGB93, RKWF93]. **Concert** [KC93]. **Concert-Efficient** [KC93].  
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**Conjugate** [Lv93]. **Connected** [Dag93].
- Connection** [LTGJB93]. **Considerations** [Web93]. **consortium** [FRS<sup>+</sup>93].  
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**CPU** [LCL<sup>+</sup>93]. **CRAY** [Gra93, LCL<sup>+</sup>93].  
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- D** [HKT93, WOU<sup>+</sup>93]. **DASH** [SJGH93].  
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**Development** [LML<sup>+</sup>93]. **Dimensional** [TSBP93, Van93]. **direction** [BDG<sup>+</sup>93].  
**Disk** [LLS<sup>+</sup>93]. **Distributed** [BCF<sup>+</sup>93, EMO<sup>+</sup>93, LS93a, Lv93, LS93b, ZI93, Che93, iMSG<sup>+</sup>93].  
**Distributed-Memory** [LS93b].  
**distribution** [RJMC93]. **Distributions** [CMMZ93]. **Divergence** [Sta93]. **Do** [BR93]. **Driven** [GGL93, PY93]. **Dynamic** [CMMZ93, DFWM93]. **Dynamics** [LTGJB93, WOU<sup>+</sup>93].
- Effect** [Was93]. **Efficient** [KC93, KHJ<sup>+</sup>93, MY93, RJMC93, RG93, Van93]. **Eigenvalue** [SF93]. **Electromagnetic** [CLF<sup>+</sup>93].  
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**Empirical** [SJGH93]. **Enhanced** [PM93].  
**Envelope** [BPS93]. **Environment** [CLF<sup>+</sup>93, JBBH93, PSM93, RAA<sup>+</sup>93, SBS<sup>+</sup>93]. **Environments** [NSS93].  
**Equation** [LM93]. **evaluation** [BdC93].  
**Execution** [PY93, SWBO93].  
**Execution-Driven** [PY93]. **Experiences** [HKT93, BDG<sup>+</sup>93]. **Experiments** [KT93].  
**extensions** [DPW93]. **External** [LLS<sup>+</sup>93].

**Factorization** [RG93]. **Fast** [OHA93, SHHG93]. **Feasibility** [LS93a]. **Feed** [MY93]. **Feed-Forward** [MY93]. **FFT** [Mil93]. **Fields** [CMBC93]. **File** [CFPB93]. **Files** [CFPB93]. **Finite** [DFWM93]. **Fluid** [Set93, LCL<sup>+</sup>93]. **Fortran** [BKP93, BCF<sup>+</sup>93, CMMZ93, CKZ93, HKT93, SWBO93]. **Fortran-S** [BKP93]. **Forward** [MY93]. **fully** [SJ93]. **Future** [DGL<sup>+</sup>93, BDG<sup>+</sup>93].

**GFlops** [LTGJB93]. **Gigabit** [KT93]. **Gigaflops** [LM93]. **Global** [NP93, Was93, ZI93]. **Gordon** [HKS93]. **Gradient** [Lv93]. **Grand** [WOU<sup>+</sup>93]. **Graphics** [STB<sup>+</sup>93]. **Grids** [Dag93].

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**I/O** [BdC93, GGL93, PP93]. **Image** [Web93]. **Implementation** [BCF<sup>+</sup>93, TSBP93, Van93]. **Implementing** [BBG<sup>+</sup>93]. **Implementor** [CKZ93]. **incremental** [NX93]. **industrial** [Gra93]. **Information** [Sha93]. **Infrastructure** [Sha93]. **Integrated** [PBGB93]. **Integrating** [FK93]. **Intensity** [Mil93]. **Interactive** [CLF<sup>+</sup>93]. **Interconnection** [RR93]. **Interface** [BKP93, STB<sup>+</sup>93, Ano93]. **iPSC** [Van93]. **iPSC/860** [Van93]. **Issues** [NXK93, RKWF93].

**Job** [NSS93].

**Kendall** [SJGH93]. **Knowledge** [DK93a]. **KSR** [SJGH93]. **KSR-1** [SJGH93]. **KSR1** [SGC93].

**languages** [FRS<sup>+</sup>93, KC93]. **LAPACK** [DPW93]. **Large** [CCHT93, DK93b, HS93, KHJ<sup>+</sup>93, SF93, WOU<sup>+</sup>93]. **Large-Scale** [WOU<sup>+</sup>93]. **Latency** [Web93]. **Lectures** [HKS93]. **Level** [RR93]. **Libraries** [DK93b]. **Library** [NXK93]. **linear** [DPW93]. **LLNL** [CMBC93]. **Load** [DFWM93]. **Local** [DK93a]. **logging** [NX93]. **Low** [SSL<sup>+</sup>93]. **Low-Cost** [SSL<sup>+</sup>93].

**Machine** [LTGJB93]. **Machines** [LS93b]. **Massively** [BBFH93, Bal93, DFWM93, Din93, NXK93, Set93]. **Massively-Parallel** [BBFH93]. **Matrices** [BPS93, KHJ<sup>+</sup>93]. **Matrix** [Lv93]. **Matrix-Vector** [Lv93]. **Matter** [WOU<sup>+</sup>93]. **Mechanics** [PSM93, Set93]. **Mechanism** [cC93]. **Memory** [BKP93, BCF<sup>+</sup>93, cC93, HS93, Lv93, LS93b, ZI93, iMSG<sup>+</sup>93]. **meshes** [SJ93]. **Message** [Ano93, NX93]. **message-passing** [NX93]. **Method** [DFWM93, SHHG93, SF93, Van93]. **Micro** [SGC93]. **microprocessors** [Bai93]. **MIMD** [BCF<sup>+</sup>93]. **minisymposium** [Che93]. **Mobile** [CGS93]. **Model** [SWBO93]. **Modeling** [Was93]. **Models** [EMO<sup>+</sup>93]. **Molecular** [LTGJB93]. **Monitoring** [RAA<sup>+</sup>93]. **Monte** [Din93, SMBZ93]. **MP** [LCL<sup>+</sup>93]. **MPI** [Ano93]. **MPPs** [LLS<sup>+</sup>93]. **Much** [BR93]. **Multi** [LCL<sup>+</sup>93, RR93]. **Multi-CPU** [LCL<sup>+</sup>93]. **Multi-Level** [RR93]. **Multicomputers** [CQ93]. **Multiplication** [Lv93]. **Multipole** [SHHG93]. **multiprocessor** [iMSG<sup>+</sup>93]. **Multiprocessors** [HS93, SJGH93].

**National** [Sha93]. **Need** [BR93]. **Network** [BR93]. **Networks** [RR93]. **Neuroscience** [KT93]. **NII** [Sha93]. **Node** [LM93]. **Non** [LS93a]. **Non-Dedicated** [LS93a]. **Novel** [cC93]. **November** [IEE93]. **Numerical** [MWBL93].

**O** [BdC93, GGL93, PP93]. **object**

[DPW93, KC93]. object-oriented [DPW93, KC93]. Oct [WS93]. Oct-Tree [WS93]. Optimal [LML<sup>+</sup>93, SJ93]. Optimizations [BW93]. Oregon [IEE93]. Oriented [RG93, DPW93, KC93]. overview [DPW93].

**Packaging** [RR93]. **Panel** [CCHT93]. **Paragon** [RAA<sup>+</sup>93]. **Parallel** [BBFH93, Bal93, BBG<sup>+</sup>93, CGS93, CFPB93, CDG<sup>+</sup>93, DFWM93, Din93, DGL<sup>+</sup>93, GGL93, LML<sup>+</sup>93, MY93, NSS93, NXK93, OHA93, PY93, RG93, SWBO93, Set93, SHHG93, SF93, TSBP93, WS93, Web93, BdC93, FRS<sup>+</sup>93, PBGB93, BBG<sup>+</sup>93, Sta93]. **Parallelism** [FK93]. **Partitioning** [Dag93, PSC93, ZI93]. **Passing** [Ano93, NX93]. **Performance** [BR93, BCF<sup>+</sup>93, Bro93, CLF<sup>+</sup>93, CKZ93, CQ93, CHW93, KTR93, NSS93, RAA<sup>+</sup>93, DPW93, FRS<sup>+</sup>93, Gra93]. **Perspective** [BBFH93]. **PIPADS** [SSL<sup>+</sup>93]. **plasma** [LCL<sup>+</sup>93]. **Policies** [NSS93]. **Polygon** [OHA93]. **port** [RJMC93]. **Portland** [IEE93]. **Power** [LML<sup>+</sup>93]. **Practical** [LLS<sup>+</sup>93]. **Prediction** [CQ93, SWBO93]. **Preliminary** [HKT93]. **Pricing** [LML<sup>+</sup>93]. **primitives** [BdC93]. **Prize** [HKS93]. **Problem** [SF93]. **problems** [Gra93]. **Proceedings** [IEE93]. **Processing** [MWBL93, Web93]. **Processor** [MWBL93]. **Processors** [Bal93, MY93, Set93]. **Production** [PP93]. **Program** [LML<sup>+</sup>93]. **Programmable** [STB<sup>+</sup>93]. **Programming** [CDG<sup>+</sup>93, KC93]. **Programs** [CGS93, NX93]. **Project** [WOU<sup>+</sup>93]. **Projection** [cC93]. **Propagation** [EMO<sup>+</sup>93]. **PVM** [BDG<sup>+</sup>93, EMO<sup>+</sup>93].

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**Real** [SSL<sup>+</sup>93]. **Real-Time** [SSL<sup>+</sup>93]. **Reducing** [SF93]. **Reduction** [BPS93]. **Register** [NP93]. **Relativistic** [WOU<sup>+</sup>93].

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[PY93]. **Transposition** [KHJ<sup>+</sup>93]. **Tree**

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[CFPB93]. **Via** [SMBZ93].

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**wormhole** [RJMC93, SJ93].

**wormhole-routed** [RJMC93].

**Y-MP** [LCL<sup>+</sup>93].

[ASS93]

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