

# A Bibliography of Supercomputing '96

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## Abstract

This bibliography records articles presented at the Supercomputing '96 conference.

## Title word cross-reference

*k* [PV96]. *n* [PV96, HJ96]. *O(N)* [HJ96].

-ary [PV96]. -body [HJ96]. -cubes [PV96].  
-way [KK96].

4 [HLT96].

'96 [ACM96].

Adaption [BOS96]. Adaptive [PV96].  
Algebra [BCC<sup>+</sup>96]. Algorithm [HLJJ<sup>+</sup>96].  
Algorithms [KCM96].  
All-optical [YMG96]. Analysis [GAL96].

Analytical [SG96].  
Application [BWF<sup>+</sup>96].  
Application-Level [BWF<sup>+</sup>96].  
Applications [VL96].  
Architecture [HLT96]. Array [CWwK<sup>+</sup>96].  
ary [PV96]. Assignment [WSC96].  
Assimilation [DF96b].  
Association [ZOPL96].  
Atmospheric [LF96].

Balancing [BOS96]. Bandwidth [dL96].  
Based [DF96a]. Benchmark [HLT96].  
Beyond [Hat96]. body [HJ96].  
Boundary [GKS96]. Bringing [FKKC96].  
Building [DF96a].

C3I [JMV<sup>+</sup>96]. Cascade [NIY<sup>+</sup>96].  
Case [GMW96]. Cell [ADHF96].  
Circulation [LF96]. Climate [DF96b].  
Clusters [CSC96]. Code [BXC96].  
Codes [ADHF96].

**Communication** [EK96].  
**Compiled** [YMG96]. **Compiler** [VL96].  
**Compiler-directed** [VL96].  
**Complex** [dL96]. **Computation** [HKW96].  
**Computational** [BL96].  
**Computers** [BBG<sup>+</sup>96].  
**Computing** [CHPW96].  
**Conference** [ACM96]. **Contact** [PHA<sup>+</sup>96].  
**Control** [GAL96]. **Cosmological** [BXC96].  
**Counters** [ZLT96]. **Cray** [Hat96].  
**cubes** [PV96]. **Curved** [KCM96].

**Data** [DF96b]. **Data-Parallel** [HJ96].  
**Design** [CHPW96]. **Designing** [Meh96].  
**Detection** [PHA<sup>+</sup>96].  
**Dimensional** [NIY<sup>+</sup>96]. **directed** [VL96].  
**Discrete** [CHPW96]. **Disk** [PC96].  
**Distributed** [BWF<sup>+</sup>96].  
**Distributed-Memory** [BOS96].  
**Distribution** [GAL96]. **Double** [FKKC96].  
**DSM** [HKW96]. **Dynamic** [HKW96].  
**Dynamics** [BL96].

**Earthquake** [BBG<sup>+</sup>96].  
**Education** [Meh96]. **Effective** [dL96].  
**Effectively** [Meh96]. **Element** [EK96].  
**Element-Fourier** [EK96]. **Elliptic** [SS96].  
**Empirical** [WSC96]. **Enabling** [PC96].  
**Estimation** [CSA96].  
**Evaluation** [WRH96].

**Factorization** [FY96]. **Failures** [PC96].  
**File** [PSS96]. **Fine** [HSS96].  
**Fine-Grained** [HSS96]. **Flow** [GAL96].  
**Fluid** [Hat96]. **Fortran** [ADHF96].  
**Fourier** [EK96].

**General** [LF96]. **Gigaflops** [Hat96].  
**Global** [BOS96]. **Grained** [HSS96].  
**Graphs** [KK96]. **Ground** [BBG<sup>+</sup>96].

**Heterogeneous** [BWF<sup>+</sup>96].  
**Hierarchical** [HJ96].  
**High** [CHPW96, ADHF96].

**High-performance** [FGKT96].  
**Highly** [TWL96]. **HINT** [SG96].  
**HPCC** [DF96a]. **HPF** [FKKC96].  
**Hydrodynamics** [BXC96].

**I/O** [CWwK<sup>+</sup>96]. **IBM** [CCHv96].  
**Impact** [SGS96]. **Imperfectly** [KP96].  
**Implementation** [HJ96].  
**Increasing** [dL96]. **Injection** [PV96].  
**Instrumentation** [WRH96].  
**intensive** [PSS96]. **Interactive** [KCM96].  
**Interface** [FKKC96]. **Interfaces** [PSS96].  
**Introduction** [JMV<sup>+</sup>96]. **Irregular** [KK96].  
**Issues** [BCC<sup>+</sup>96]. **Iterative** [VL96].

**Job** [SGS96].

**Language** [HSS96]. **Large** [CHPW96].  
**Latency** [CCHv96]. **Level** [BWF<sup>+</sup>96].  
**Library** [CWwK<sup>+</sup>96]. **Lightweight** [BL96].  
**Limited** [PV96]. **Linear** [BCC<sup>+</sup>96].  
**Load** [BOS96]. **Loops** [KP96].  
**Low** [CCHv96]. **Low-Latency** [CCHv96].  
**LU** [FY96].

**Machine** [DF96a]. **Machines** [FY96].  
**Massively** [DF96b]. **Materials** [Meh96].  
**Matrix** [HLJJ<sup>+</sup>96]. **memory** [VL96].  
**Memory-intensive** [PSS96].  
**Mesh** [BOS96]. **Message** [FKKC96].  
**Metacomputing** [FGKT96].  
**Methods** [HJ96]. **Metric** [SG96].  
**Migration** [HKW96]. **Minimal** [PV96].  
**Mining** [ZOPL96]. **MIPS** [ZLT96].  
**Mission** [TWL96]. **Mix** [SGS96].  
**Model** [SG96]. **Modeling** [BBG<sup>+</sup>96].  
**Models** [EK96]. **Molecular** [BL96].  
**Motion** [BBG<sup>+</sup>96]. **MPI** [OM96].  
**Multi** [ZOPL96].  
**Multi-processors** [ZOPL96].  
**Multilevel** [KK96].  
**Multimethod** [FGKT96].  
**Multiplication** [HLJJ<sup>+</sup>96].  
**Multivector** [dL96].

- Navier** [EK96]. **NCAR** [HLT96].  
**NEC** [HLT96]. **Nested** [KP96].  
**NetSolve** [CD96]. **Network** [CD96].  
**Networks** [BWF<sup>+</sup>96]. **November** [ACM96].  
**Numerical** [NIY<sup>+</sup>96]. **NWT** [NIY<sup>+</sup>96].
- O** [CWwK<sup>+</sup>96]. **OMPI** [OM96].  
**optical** [YMG96]. **Optimization** [LF96].  
**Optimizations** [SGS96].  
**Optimizing** [OM96].
- PA** [ACM96]. **Panda** [CWwK<sup>+</sup>96].  
**Paradyn** [WRH96]. **Parallel** [JMV<sup>+</sup>96].  
**Parallelism** [FKKC96]. **Partial** [OM96].  
**Particle** [ADHF96].  
**Particle-in-Cell** [ADHF96].  
**Partitioning** [KK96]. **Passing** [FKKC96].  
**Patterns** [EK96]. **PDEs** [SS96].  
**Performance** [SG96].  
**Pittsburgh** [ACM96]. **Pivoting** [FY96].  
**Planetary** [TWL96]. **Portable** [GMW96].  
**Preconditioners** [GKS96].  
**Preliminary** [JMV<sup>+</sup>96]. **Prism** [EK96].  
**Problems** [CD96]. **Proceedings** [ACM96].  
**Processors** [dL96]. **Profiling** [HSS96].  
**Programs** [OM96]. **Properties** [BCG<sup>+</sup>96].  
**PVM** [CSC96].
- R10000** [ZLTI96]. **Renderer** [TWL96].  
**Results** [JMV<sup>+</sup>96]. **Rheological** [BCG<sup>+</sup>96].  
**RISC** [CCHv96]. **RM2** [PC96].  
**Routing** [PV96]. **Rules** [ZOPL96].  
**Runtime** [WSC96].
- Scalable** [KCM96].  
**ScaLAPACK** [BCC<sup>+</sup>96]. **Scale** [CHPW96].  
**Schedulers** [SGS96].  
**Scheduling** [BWF<sup>+</sup>96]. **Scheme** [KK96].  
**Science** [CD96]. **Scientific** [GMW96].  
**Server** [CD96]. **Shared** [VL96].  
**Shared-memory** [VL96]. **Sharing** [SGS96].  
**Simulation** [BCG<sup>+</sup>96].  
**Simulations** [BL96]. **Smoothed** [PHA<sup>+</sup>96].  
**SnB** [GMW96]. **Soil** [CHPW96].
- Solver** [EK96]. **Solvers** [GKS96].  
**Solving** [CD96]. **SP** [CCHv96].  
**Space** [SGS96]. **Sparse** [FY96].  
**Spectral** [EK96]. **Standards** [FKKC96].  
**Steering** [BL96]. **Stereo** [TWL96].  
**Stokes** [EK96]. **Strassen** [HLJJ<sup>+</sup>96].  
**STREN** [TWL96]. **Striping** [PC96].  
**Structure** [CSA96]. **Study** [GMW96].  
**Suite** [HLT96]. **Supercomputer** [DF96b].  
**Supercomputers** [BCG<sup>+</sup>96].  
**Supercomputing** [ACM96].  
**Surfaces** [KCM96]. **SX** [HLT96].  
**SX-4** [HLT96]. **System** [CCHv96, WRH96].  
**System/6000** [CCHv96].  
**Systems** [CHPW96].
- Task** [FKKC96]. **TDM** [YMG96].  
**Technical** [Meh96]. **Technologies** [DF96a].  
**Terrain** [TWL96]. **Testing** [WRH96].  
**Tolerance** [PC96]. **Tool** [GMW96].  
**Toroidal** [PV96]. **Transformations** [KP96].  
**Transient** [PHA<sup>+</sup>96]. **Tunnel** [NIY<sup>+</sup>96].
- UCLA** [LF96]. **Using** [GMW96].
- Versus** [PSS96]. **Very** [BL96].  
**Via** [FKKC96]. **Virtual** [DF96a].  
**Visualization** [KCM96].
- way** [KK96]. **Web** [DF96a]. **Wide** [DF96a].  
**Wind** [NIY<sup>+</sup>96]. **World** [DF96a]. **World-**  
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