

# A Bibliography of Supercomputing '88

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## Abstract

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

## Title word cross-reference

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

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

**2** [BTR88, EJJ88, SS88, SW88, Swi88,  
TSM88, LMT88]. **200** [BK88]. **205** [BK88].

**3D** [PS88].

**416** [SW88].

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

**Adaptation** [RS88]. **aerodynamics** [PB88].  
**algorithm**

[AG88, BF88, Bis88, NPD88, RS88, Swi88].

**algorithms** [Dub88, OG88, Yos88].

**alignments** [SD88b]. **Analysis**

[PS88, Aki88, IMS88]. **ANSYS** [HMB<sup>+</sup>88].

**applications** [CC88, GGGJ88, Hol88].

**approach** [Yos88]. **architecture**

[CGMW88, DG88, KS88, PS88, TS88]. **area**

[WL88]. **ARGOT** [OS88]. **arithmetic**

[Kan88]. **array** [LK88]. **arrays**

[DC88, GT88]. **Assessing** [ACM88].

**assessment** [CF88]. **associative** [SWC88].

**automata** [BTR88]. **automatic** [TK88].

**based** [RKZ88]. **BBN** [OS88].

**Benchmarking** [GJ88, SS88]. **benefits**

[ACM88]. **birth** [EML88]. **block**

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

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

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

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

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

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

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

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

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

**kernel** [HMB<sup>+</sup>88]. **kind** [DC88]. **knock** [WP88].

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

#### Machine

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

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

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

**Parallel** [AG88, BBM88, Bis88, BCC<sup>+</sup>88, GJ88, GGGJ88, GPHL88, HMB<sup>+</sup>88, IMS88, SSG88]. **parallelism** [ACM88].

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

**QR** [Bis88].

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

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

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

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

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

**V** [TK88]. **V-Pascal** [TK88]. **Vector** [IMS88, BK88, EJL88, GJ88, GPHL88,

HSS88, LJ88, RS88, TIGU88, hTDT88]. **Vectorization** [Kan88, NPR88]. **Vectorized** [PB88, NPD88]. **Vectorizing** [CDL88, TK88]. **video** [JHH<sup>+</sup>88]. **visualization** [Phi88, SSG88]. **voting** [SD88b]. **vs** [hTDT88].

**workbench** [AG88, Phi88].

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

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