

# A Bibliography of Publications in *Supercomputer*

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1 [Lt93]. 2 [DHRW92]. 3 [RNHW90]. $R^3$ [MC96]. $y'' = f(t, y)$ [CPS97].	<b>500</b> [SNtW94].
<b>-d</b> [RNHW90, DHRW92, Lt93].	<b>6000</b> [DMR91].
<b>1</b> [BHW <sup>+</sup> 93, Ess88, McB91, McB93]. <b>1-VX</b> [Ess88]. <b>10P</b> [Van89]. <b>1100/90</b> [vv88].	<b>77</b> [Lan88].
<b>2</b> [BW90, LtW88, LJ88, LCH <sup>+</sup> 88, LC97, Pin94, WTW90a, WTW90b]. <b>2-D</b> [WTW90a, WTW90b]. <b>200</b> [MH92]. <b>205</b> [LtW88, Van89].	<b>860</b> [McB91]. <b>8X</b> [Rei87, LCH <sup>+</sup> 88].
<b>3</b> [CS90, EM91, HG89, TM90, de 89]. <b>3-D</b> [CS90, HG89, TM90, de 89]. <b>3/44</b> [MSW92b]. <b>3090</b> [HG89, RRS88, vv88]. <b>3090/VF</b> [GKMR89, HG89].	<b>90</b> [MSW92a, vv88]. <b>'91</b> [Ano91a]. <b>990</b> [vv88].
	<b>Abstract</b> [Gar90]. <b>academic</b> [AKB <sup>+</sup> 97]. <b>access</b> [Ruh90, VD92a]. <b>address</b> [ACK94]. <b>advanced</b> [BP97]. <b>air</b> [BHWZ96, ZWMV92]. <b>algebra</b> [DMR91, DD91, RRS88]. <b>algebraic</b> [RNHW90]. <b>algorithm</b>

[LtW88, MC96, OYI91, van93a]. **algorithms** [CM88, HS90, Hem84, KNG<sup>+</sup>93, MM89, MS89, Ove90, PL90, Roy92, ZWS89, van91]. **Alliant** [BPA90, de 89]. **alloys** [CLHP93]. **Alternative** [MST96]. **Amdahl** [DHW92, SS95, WCMJ89]. **Amdahl/Fujitsu** [DHW92]. **AMT** [Coo90]. **Analysis** [DS96, DS97, NAW<sup>+</sup>96, Sim95, ACM<sup>+</sup>91, ASN<sup>+</sup>91, Coi90, Hoc92, PHH91, Roy92, ZPN95, van91]. **Application** [GK95, KOS<sup>+</sup>91, Sol89a, NMW93, Pud89, Van92a]. **applications** [BP97, DVB<sup>+</sup>97, MB90, O'N88]. **approach** [Emm89, IG91]. **architecture** [AHJS90, BDB93, HMN<sup>+</sup>92]. **Architectures** [Van95a, Fis90, KC95, Van96, Van97]. **arithmetic** [BP93]. **artificial** [Haa89]. **aspects** [CV93, Van88a, Van88b]. **Asynchronous** [ALM96, MS89, TP93]. **atmospheric** [Got92, JH90, Pud89]. **Australian** [Bar88]. **automatic** [LCH<sup>+</sup>88]. **automatically** [Nob89].

**based** [BDB93, LJ88, MEGS97, OYI91, ZPN95]. **basic** [GW91]. **Basis** [DS96, DS97, Sim95]. **behavior** [FZM91, Pan90]. **Belgian** [Van92a]. **Benard** [TVV96]. **Benchmark** [Dec88, DH95, FGHv89, Gen89, Haa89, Hoc92, Was93, WGOY91, vd92b, Van93b, Van95b, van93c]. **Benchmarking** [UT91, KSS96]. **benchmarks** [HH96, KOS<sup>+</sup>91, OP93, SH95, SS95, Lan88]. **beryllium** [REKP94]. **Bézier** [CM93]. **bi** [GS90, FZM91]. **Bi-CG** [FZM91]. **bi-directional** [GS90]. **binary** [CLHP93, Dow92, OYI91]. **biology** [Wit91]. **Bitonic** [Ove92a]. **Black** [van93a]. **BLAS** [WCMJ89]. **blending** [MS92]. **Block** [RRS88, PS97, Tsu91, Zha89]. **block-structured** [Tsu91]. **Blocks** [MS96]. **Boolean** [OYI91]. **bottleneck** [ZPN95]. **bound** [PL90]. **boundary** [SSL88]. **branch** [PL90]. **branch-and-bound** [PL90]. **Building** [MS96]. **bulk** [REKP94]. **Bull** [vv88]. **Butterfly** [O'N88].

**C** [MSW92a]. **C-90** [MSW92a]. **cache** [Get95]. **Calculation** [Pin94, Mur91]. **calculations** [MSW92a, MSW92b, WM91]. **Calgary** [BW90]. **Caltech** [MB88]. **careful** [SH95]. **cavity** [TM90]. **ccMBPT** [MSW92a, MSW92b, WM91]. **cell** [DNT96]. **center** [Ben89]. **CERFACS** [Ben89]. **CG** [FZM91]. **chain** [TP93]. **challenge** [Oak90]. **change** [MS95]. **Chaosynth** [Mir94]. **Characterisation** [ZPN95, Get95]. **characteristics** [NMW93]. **chemical** [NMW93]. **chemistry** [GKMR89]. **Choleski** [Mod89]. **Cholesky** [LC97]. **circuit** [WE91]. **circulation** [RD92]. **CIT** [SRS<sup>+</sup>90]. **Cluster** [MST96, REKP94, SH97]. **clusters** [LCH<sup>+</sup>96]. **CM** [MH92]. **CM-200** [MH92]. **coast** [Van92a]. **code** [ACM<sup>+</sup>91, CPS97, Paj90]. **codes** [Dec88, PS92]. **Collection** [DH95]. **combinatorial** [PL90]. **comfort** [TP89]. **Communication** [CV93, HH96, MH92]. **comparative** [LCH<sup>+</sup>88, Nob89]. **Comparing** [BHWZ96]. **Comparison** [DHW92, LCH<sup>+</sup>96, McB91]. **compiler** [AHJS90, Tsu91]. **compilers** [Nob89]. **complex** [MDL<sup>+</sup>89]. **computation** [Ben89, Gar90, NK90, SDV89, WM91]. **Computational** [Got91, Hoc95, GKMR89, de 89]. **computer** [BW90, BHW<sup>+</sup>93, BPA90, DNT96, DHW92, Emm89, MDL<sup>+</sup>89, Mir94, MSW92a, MSW92b, SDV89]. **Computers** [DV92, BHWZ96, McB91, Van90b]. **Computing** [DS96, DS97, EH95, Har96, Har97, MST96, Sim95, SDMS97, LCHJ92, LCH<sup>+</sup>96, MB90, MS95, Mir94, MS90b]. **concept** [Tro89]. **Concurrent** [GSv90, WM91, MB88]. **condition** [Pin94]. **confined** [ACM<sup>+</sup>91]. **conjugate** [CV93, ZWS89]. **connectivity** [RTY90].

**considerations** [LHHJ91, Sv96]. **construct** [MC96]. **content** [SS95]. **convection** [CS90, TM90, TVV96]. **convergence** [FZM91]. **Convexity** [MM89]. **convolution** [Ess88]. **coprocessor** [Lt93]. **correlation** [MSW92a, MSW92b, WM91]. **CPU** [Lan88]. **CPU-benchmarks** [Lan88]. **Cray** [MS90a, PS97, RNHW90, SNtW94, WTW90a, WTW90b]. **crunchers** [WGOY91]. **Current** [Kha91]. **curve** [MC96]. **curves** [CM93]. **Cyber** [LtW88, Van89, vv88].

**d** [RNHW90, CS90, DHRW92, HG89, Lt93, TM90, WTW90a, WTW90b, de 89]. **DAP** [Coo90]. **Daresbury** [GSv90]. **data** [MC96, SNtW94]. **debugger** [GH89]. **decision** [OYI91]. **decompilation** [OP93]. **decomposition** [Lt93, MS90a, Pin92]. **degree** [Haa89]. **Denmark** [ACH<sup>+</sup>89]. **dependent** [TVV96]. **Description** [Van95a, Van96, Van97]. **Design** [Tsu91, Coi90]. **determinant** [Mur91]. **Developments** [HS96, Sch97]. **device** [Lt93]. **diagrams** [OYI91]. **different** [HS90, Lan88]. **digitized** [MM89]. **dimensional** [SRS<sup>+</sup>90]. **direction** [Van95b, van93c]. **directional** [GS90]. **discharges** [WTW90a, WTW90b]. **discovery** [Ric91]. **discrete** [DHRW92]. **dispersion** [Got92]. **distance** [MH92]. **distributed** [ASN<sup>+</sup>91, CV93, KNG<sup>+</sup>93, PdR91, PZN96]. **distributed-memory** [CV93, KNG<sup>+</sup>93]. **Domain** [Pin92, Lt93, MS90a]. **down** [Bar88]. **DPS** [vv88]. **DPS-90** [vv88]. **drug** [Ric91]. **dynamics** [BDB93, KNG<sup>+</sup>93].

**economic** [NK90]. **eddy** [BPA90]. **effect** [Get95]. **Effective** [Roy92]. **effects** [Zha89]. **efficient** [CK92, GW91, Ove91b, Paj90]. **effort** [FGHv89]. **eigenproblems** [PS92]. **electron** [DHRW92, MSW92a, MSW92b, WM91].

**element** [TM90, Zoi87]. **embedded** [DVB<sup>+</sup>97]. **engineering** [Got91]. **enhancement** [LHHJ91]. **Environment** [DV92, ACK94, ASN<sup>+</sup>91, Buz90, Pin92, SH97]. **equation** [GS90, SSL88]. **Equations** [DV92, McB93, Zil96]. **essential** [SH95]. **estimating** [DHNP95]. **Eta** [Van89]. **Eta-10P** [Van89]. **EuroBen** [Van93b, Van95b, van92b, vd92b, van93c]. **Europe** [EH95, Har96, Har97, Oak90]. **European** [Ben89, FGHv89]. **evaluation** [BP93, LJ88, NH91, Ove91a]. **evolution** [MDL<sup>+</sup>89]. **Experience** [BHW<sup>+</sup>93, GH89]. **Experiences** [Van90b, BW90, VD92a, Vul93]. **experimental** [GH89]. **Experiments** [ASN<sup>+</sup>91]. **explicit** [LC97]. **Exploitation** [Rei87].

**facilities** [Bar88, MB88]. **factoring** [LtW88]. **factorizations** [LC97]. **factors** [Mod89]. **family** [Ove90]. **Fast** [Ruh90, WE91, WH90]. **Features** [Rei87]. **featuring** [Van96, Van97]. **FFT** [DHW92, van91]. **field** [IG91]. **finite** [TM90, Zoi87]. **finite-element** [TM90]. **Finland** [Nie90]. **fire** [IG91]. **First** [BW90, HS90, Ove91b, REKP94]. **first-order** [Ove91b]. **five** [Pan91]. **five-year** [Pan91]. **Flood** [RTY90]. **Flosolver** [SDV89]. **Flow** [SDV89]. **flows** [de 89]. **forecast** [Pan91]. **forecasting** [PSNK96]. **Fortran** [AHJS90, DV92, Lan88, LCH<sup>+</sup>88, LC97, Nob89, Paj90, RTY90, Rei87, Sol89b, Sol89c]. **Fourier** [WH90]. **framework** [Hoc92]. **Fujitsu** [DNT96, DHW92]. **Fukuoka** [Ano91b]. **fully** [Ove90]. **fully-vectorizable** [Ove90]. **functional** [MC96]. **functions** [NH91, OYI91]. **Further** [Vul93]. **fusion** [ACM<sup>+</sup>91]. **future** [Fis90]. **FX** [BPA90, de 89]. **FX/4** [de 89].

**galaxies** [HB90]. **general** [Ove91b, RD92].

**Generalized** [van93a]. **Generation** [Paj90, Gen88, IK90, Kle89, OYWK91, van90a]. **geometry** [SRS+90]. **Givens** [PZN96]. **Global** [PSNK96, ACK94, JH90]. **GMRESR** [Vul93]. **GP1000** [O'N88]. **gradient** [CV93, ZWS89]. **Grenoble** [ALM96]. **gridded** [MC96]. **grids** [Pin92].

**heat** [CS90]. **High** [DS96, DS97, EH95, Har96, Har97, MDL+89, Sim95, SDMS97, Ben89, DD91, MS95, Mir94, LC97]. **High-Performance** [SDMS97, DD91, Mir94]. **Highly** [GW91]. **Hitachi** [Van93b]. **Honeywell** [vv88]. **Honeywell-Bull** [vv88]. **HPC** [DVB+97, MS96, MS97]. **HPCI** [AKB+97]. **HPF** [BP97]. **Hypercube** [CM88, Ove92b, MM89, Roy92, SRS+90].

**I/O** [LHHJ91, VD92a]. **i860** [BDB93]. **IBM** [DMR91, GKMR89, HG89, LC97, NMW93, RRS88, vv88]. **image** [OYWK91, SRS+90]. **implementation** [CK92, MS90a, Tsu91, TVV96, Zil93, van93a]. **Implementing** [WCMJ89]. **independent** [Emm89]. **indirect** [UT91]. **Individual** [OP93]. **Industrial** [DVB+97, MS97, AKB+97]. **Industry** [SDMS97]. **inevitable** [Fis90]. **information** [SH95]. **inhomogeneous** [GS90, Hv90]. **Institute** [ALM96]. **instruction** [HMN+92]. **instructions** [UT91]. **integral** [SSL88]. **Integrated** [Coi90]. **Intel** [Ess88, McB91, MM89]. **interface** [WBT89, WD96]. **International** [Ano91b, Ano91a]. **interpolating** [MC96]. **interpolation** [CM93, MS92]. **interpretation** [SH95]. **intersections** [CBA90]. **Investigation** [HS90, SNTW94]. **iPSC** [Ess88, McB91, MM89]. **iPSC/1** [Ess88]. **iPSC/1-VX** [Ess88]. **iPSC/860** [McB91]. **irregular** [Hv90]. **ISP** [vv88]. **Issues** [Kha92, Kha91]. **issuing** [HMN+92]. **Iterative** [PS97, CK92, MS89, TP93].

**Japan** [Ano91b, HS96, JB95, Sch97]. **JPL** [SRS+90]. **JPL/CIT** [SRS+90].

**KAP** [LCH+88]. **kernel** [SH95]. **Krylov** [CK92]. **KSR** [BHW+93]. **KSR-1** [BHW+93]. **KSR1** [Sch93]. **Kutta** [CPS97].

**Laboratory** [GSv90]. **language** [Sol89b, Sol89c, Tsu91]. **LAPACK** [DD91]. **Large** [BPA90, BHWZ96, NK90, Oak90, PS92]. **large-scale** [NK90]. **Law** [SS95]. **level** [HH96, WCMJ89]. **libraries** [DHW92, PHH91, Van88a]. **library** [DD91, Du 90]. **Light** [Hv90]. **Linear** [DV92, DMR91, DD91, MS89, Ove91b, PZN96, RRS88, SK91, Van90b, Zil93, Zil96]. **LINPACK** [BDL91]. **List** [DS96, DS97, Sim95]. **load** [UT91]. **load/store** [UT91]. **local** [MS92, Zha89]. **low** [HH96]. **low-level** [HH96]. **LU** [LC97].

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**NAG** [Du 90, DHW92]. **NAS** [SS95]. **natural** [TM90]. **nCube** [Pin94]. **NEC** [EM91, LtW88, MSW92b]. **nested** [Pin92]. **network** [ALM96, Kha92, MC96, NK90, Zil96]. **newly** [Van96, Van97]. **Non** [MB90, BMM97, MC96]. **non-gridded** [MC96]. **non-standard** [BMM97]. **Non-traditional** [MB90]. **nonlinear** [NK90, Zil96]. **nonsymmetric** [Zil96]. **note** [DHRW92]. **November** [Ano91b]. **NT** [SH97]. **number** [IK90, Kle89, WGOY91]. **numbers** [Pin94, van90a]. **numerical** [DD91, GW91]. **Nyström** [CPS97].

**O** [LHHJ91, VD92a]. **Occam** [Hul89]. **ODIN** [SG90]. **off** [MS97, Van92a]. **Omega** [HG89]. **Omega-X** [HG89]. **onto** [GKMR89]. **operating** [LHHJ91]. **operational** [Van92a]. **operations** [DMR91]. **optimisation** [DHNP95]. **Optimization** [LtW88, RNHW90, Coi90, PL90, RTY90]. **Optimizing** [BP97, ZWMV92]. **optoelectronic** [Rui91]. **order** [HS90, Ove91b]. **ordinates** [DHRW92]. **output** [LCH<sup>+</sup>88]. **overview** [Wit91].

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[RRS88, SRS<sup>+</sup>90]. **processor** [ALM96, HMN<sup>+</sup>92, IK90, LJ88, O'N88, PHH91].

**processors** [Dow92, Oak90, Ove92a, WCMJ89, van91].

**program** [Haa89, RNHW90].

**programming** [ACK94, TP89]. **programs** [GH89, GKMR89, KC95, Pan90, van92b].

**project** [ALM96, JH90, Rui91]. **projection** [Zil93]. **Pseudorandom** [Kle89]. **PVM** [Mic93, van93a].

**QR** [LC97]. **quantum** [NMW93].

**R8000** [Sv96]. **radix** [Dow92, van91]. **radix-2** [van91]. **radix-3** [van91]. **Random** [IK90, van90a]. **range** [PSNK96]. **rapid** [Ove91a]. **Rayleigh** [TVV96]. **Rayleigh-Bernard** [TVV96].

**reconstruction** [RNHW90]. **recurrence** [HS90, Ove91b, SK91]. **Red** [van93a]. **relation** [Ove91b]. **remarks** [Hen89]. **research** [AKB<sup>+</sup>97]. **Resources** [NAW<sup>+</sup>96]. **results** [Gen89, Van93b, van92b, vd92b]. **reuse** [SNtW94]. **revisited** [Ove92b]. **RF** [WTW90a, WTW90b]. **ring** [BDB93]. **RISC** [DMR91]. **row** [Zil93]. **row-projection** [Zil93]. **run** [Hem84]. **Runge** [CPS97]. **Running** [ZWS89, BHWZ96].

**S** [SNtW94]. **S-MP** [SNtW94]. **S3800** [Van93b]. **scale** [NK90]. **Scaling** [McB93]. **scattering** [Hv90]. **scheduling** [CM88]. **Schrödinger** [GS90]. **SCI** [SH97]. **science** [Got91]. **sciences** [NK90, Pan91]. **scientific** [Gar90, KC95, LCHJ92, LCH<sup>+</sup>96, OYWK91, PHH91, Roy92]. **Sea** [Coo90]. **second** [Gen88]. **semi** [MS89]. **semi-asynchronous** [MS89]. **semiconductor** [Lt93]. **SERC** [GSv90]. **series** [Ove91a]. **shallow** [McB93, de 89]. **shape** [CM93]. **shape-preserving** [CM93]. **Shared** [NMW93, ACK94, Gen89, OYI91, Zha89]. **shared-memory** [ACK94]. **shooting** [BMM97]. **Short** [MH92, Van96, Van95a, Van97].

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