

# A Bibliography of Publications of Iain S. Duff

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## Abstract

This bibliography records publications of Iain S. Duff.

[Duf91b]. **1991** [Ano91, FF93]. **1993**  
[Duf94a, GW94]. **1994** [MC95]. **1995**  
[Duf96a, PB96]. **1996** [DGDG97a]. **1997**  
[Duf98b]. **1999** [Duf00a]. **1st**  
[DFT95, HPP88].

## Title word cross-reference

$A^{-1}$  [ADLR15]. **LU** [DD92a, DD90b, DD91].  
**QR** [ADP94].  $LDL^T$  [ADGP07, DHL20].  
**LU** [DD94a, DD97b].  $O(n^{1/2}\tau)$  [DW88].  $P^4$   
[DAGR87, ADGR90].  $P^5$   
[DAGR87, ADGR90]. **QR** [ADP96].

**1** [DR82a, Duf82b, Duf82c, Duf84g]. **10P**  
[ADD89a, ADD92, DD88, DD89]. **11th**  
[Duf81i]. **14th** [Ame94]. **15th** [GW94]. **1978**  
[DS79]. **1979** [GL80]. **1981**  
[Hen82, TH82, Wat82]. **1982** [PR83]. **1983**  
[ESY84, Kow84]. **1984** [DR85a]. **1986**  
[IP87, PA88]. **1987** [Duf88c]. **1988**  
[CRQR89, Duf89f, ES89]. **1989**  
[Ano89, DG89, DMSV90, EJP90]. **1990**

**2** [ADD89a, ADD92, DD87a, DD88, DD89,  
DD90a, DD90b, DD91, Duf88b, DV98a].  
**200/VF** [DD88, DD89]. **2000**  
[ACM00, vdVDE<sup>+</sup>02]. **2001**  
[Ano01, Duf02a]. **2002** [vdVDE<sup>+</sup>03]. **2003**  
[Duf04b]. **2008** [BBD<sup>+</sup>11, TCJ<sup>+</sup>10]. **2010**  
[TBC<sup>+</sup>11]. **2e** [AG80]. **2nd**  
[AG80, BBD<sup>+</sup>11, DR85a].

**3** [DDP94]. **3090**  
[ADD89a, ADD92, DD88, DD89, DD90a].  
**3090-200** [DD88, DD89]. **3090-200/VF**  
[DD88, DD89]. **31-September** [ABD<sup>+</sup>99].

**5th** [ABD<sup>+</sup>99, SMMG01, WDPW04].

**70th** [DW91].

**8** [Duf87d, Duf89e, Duf90a]. **80**  
[ADD89a, ADD92, DD90a, DD90b, DD91].  
**818** [DV02a]. **837** [ADD04].

'**90** [Sup90, Jap90]. **92-VAPP** [BCRT92].  
'**94** [Ame94, DW94]. **95**  
[DV98a, DVY00, DV01a, DV02a, DV02b].  
'**96** [DP97]. '**99** [Ano99]. **9th**  
[Duf81i, Wat82].

= [AG80].

**A.** [DW91]. **Aachen** [HHJ<sup>+</sup>86]. **academia**  
[SMMG01]. **accelerating**  
[ADRS91, ADRS92a, ADRS92b, ADRS95].  
**accurate** [DM11]. **Adapting**  
[ADPV03a, ADPV03b]. **added** [Duf74a].  
**Addressing** [DD86a]. **Advanced**  
[DD86b, DD87b, DD92b, DD94d, KP87,  
Kow84, PB96, Duf84j, DK86, PB96].  
**advances** [Jes87]. **Aérospatiale**  
[DDL92, DDL93]. **Aided** [DJKL92].  
**airplane** [DDL92, DDL93]. **al.**  
[DAGR87]. **Alan** [Duf84a]. **Algebra**  
[ADDM95, BDD<sup>+</sup>01, BDD<sup>+</sup>02, DCDH88,  
DDD89, DCHD90a, DCHD90b, DDSv98,  
DDS00, DMRV95, DGDG97a, DMRV97,  
DGDG97b, Duf97, DV98a, DHP02, ADD89a,  
ADD91, ADD92, ADDM92b, ADDM92a,  
ADDM93, BDRS12, BD15, CDG95, CDG96,  
DCDH87, DLLT87, Duf96c, vdVV90,  
DMRVxx, Lew94]. **algebraic** [Spe91].  
**Algorithm** [ADD96, DDN20, DCHD90a,  
DR78a, DR78b, Duf81b, DAGR87, DV02b,  
ADD95, ADD04, ADRU08, DDR93, DDR94,  
DDG<sup>+</sup>15, Duf90b, LLH<sup>+</sup>16, ADD04, DV02a].  
**Algorithms**  
[ADGR90, DH92, DDS00, Duf81g, Duf87a,  
DW88, DK99a, DBGvdV02, Duf12,  
DGdSU12, HHJ<sup>+</sup>86, MC95, vdVBDP01,  
ADD<sup>+</sup>94b, Ano89, APSS98, ADNR90b,  
Car89, CRQR89, Duf85c, Duf89g, DRS89,  
Duf91c, DK97a, DK99b, DK01, DKU11,  
ES89, LLH<sup>+</sup>17, Spe91, vdVV90, MC95].

**ALLIANT** [DD90a, ADD89a, ADD92,  
DD90b, DD91, Duf87d, Duf89e, Duf90a].  
**AMD** [ADD04]. **Analysis**  
[ADLL00, ADLL01c, ADLL01d, ADGS10,  
Duf72, Duf81i, Duf86a, Duf88c, Duf89f,  
Duf91b, Duf94a, Duf96a, Duf98b, Duf00a,  
Duf02a, Duf04b, IP87, THDC09, Ade92,  
DW97, DKU11, GW94, Hen82, NN94,  
VWY01, Wat82]. **Andrews** [KP87].  
**application** [Ano89, Duf04a]. **Applications**  
[DP97, Duf81i, FF93, Jap90, BBC<sup>+</sup>99,  
Car89, CDG00a, DS97b, DS99b, DS99a,  
Eva85, ES89, SAD<sup>+</sup>00, VWY01]. **Applied**  
[Ame94, DDGM89, GL84, Lew94, WDPW04,  
GL80, SMMG01]. **Approach**  
[ADd89f, ADGS10, Duf83c]. **approaches**  
[ADLL01a, Duf79c, DK91]. **Approximate**  
[ADD96, CDGS03, CDGS05, ADD95,  
ADD04]. **April** [DGDG97b, IP87, PB96].  
**Architecture**  
[DD87b, DD86b, DD92b, DD94d].  
**Architectures** [Duf89a, PB96, ADL98c,  
ADLL01a, ADPV03a, ADPV03b, MC95].  
**areas** [Duf04a]. **arising** [ACD<sup>+</sup>03, DS99b].  
**arithmetic** [DLLT87]. **Art**  
[IP87, DW97, Spe91]. **Assignment** [DW88].  
**Asynchronous** [ADLK01b, ADV05,  
ADLK99, ADV02, ADV04]. **Athens**  
[HPP88]. **Atlanta** [Ame94]. **Augmented**  
[ADd89f, DGRZ15, BDG94, Duf93b, DGP94,  
Duf94c]. **August**  
[ABD<sup>+</sup>99, DR85a, DR85b, ESY84, EJP90,  
KP87, MMO90, MC95, PA88]. **Austria**  
[PA88]. **avions** [DDL92, DDL93].  
**Backward** [ADD88, ADD89e, AD09].  
**Barcelona** [PB96]. **Based**  
[Duf81i, CDL20, CDS97, CDS98, DRV04,  
DGPV07, DK13, FF93]. **Basic**  
[DDD89, DMRV95, DMRV97, DV98a,  
DMRVxx, DHP02, DCDH87, BDD<sup>+</sup>01,  
BDD<sup>+</sup>02, DCDH88, DCHD90a, DCHD90b].  
**Basis** [AD15]. **BBN** [ADDM92b]. **Belgium**  
[MC95]. **Bergen** [SMMG01]. **bibliography**

[Duf99c, Duf99a]. **biennial** [Wat82]. **bilan** [DDL92]. **Biography** [Duf10]. **Birmingham** [IP87]. **Birthday** [DW91]. **BLAS** [BDD<sup>+</sup>02, ADD89d, ADD89c, BDD<sup>+</sup>01, DD88, DD89, DD90a, DD90b, DD91, DDP93, DDP94, DD96a, DD97d, DD99b, DH92, DDCH89, DMR92, DVY00, DV01a, DHP01, DV02a, DV02b, DHP02, Hig90]. **Block** [ADRS92a, ADN92, ADDR95b, DDP94, DH92, DR78a, DR78b, DU10, DGRZ15, ADN90c, ADN90a, ADDR95a, ADDR95c, DDP93, DDR93, DDR94, DDG<sup>+</sup>15, Duf77b, DS04a, DS05b, ADN90b, ADRS91, ADRS92a, ADRS92b, ADRS95]. **Blocked** [DD99b, DD96a, DD97d]. **Boeing** [DGL92, DGL97]. **Bonas** [CRQR89]. **Book** [Duf84a]. **bordered** [DS04a, DS05b]. **boundary** [ACD<sup>+</sup>03]. **Breeding** [Ano99]. **brief** [Duf99c, Duf99a]. **Bulgaria** [VWY01].

**CA** [B<sup>+</sup>95]. **cache** [CDS97, CDS98]. **cache-based** [CDS98]. **calcul** [ADD94a, ADD97]. **calculateurs** [ADD94a]. **Calculations** [ADDM95, CDGS03, CDGS05, DD87a, ADDM92b, ADDM92a, ADDM93, ACD<sup>+</sup>93, DDLG92, DDLG93, DGLM03, DGLM05]. **Calculators** [Duf85a]. **calculs** [DDLG92, DDLG93]. **Capital** [PB96]. **Caracas** [PR83]. **Catherine** [FF93]. **Cattle** [Ano99]. **Center** [ACM00, Duf89b, Sup90]. **Centers** [Duf89b]. **CERFACS** [DGDG97a, ADD94a, DD94b, Duf89b, Duf90b, Duf90c]. **CERFACS-ENSEEIH** [ADD94a]. **Change** [DS05a]. **Chateau** [CRQR89]. **Chicago** [DMSV90]. **Cholesky** [CDL20, DHL18, DL18]. **Cimmino** [ADNR90b, ADRS91, ADRS92a, ADRS92b, ADRS95, DDG<sup>+</sup>15, DGRZ15]. **circuit** [DK91]. **Class** [BDW99, BDW01, CDG02, CDG03, PDW05]. **clusters** [ADPV03a, ADPV03b]. **Cocoyoc** [Hen82]. **Code** [AD89, DD97c, DR79b, DJ86, Duf87d, DR95b, ADD94a, ADD97, DD96b, Duf84b, Duf84c, Duf89e, DRS89, Duf90a, DR93, DS93b, DR94, DR96a, DS96a, DS97b, DS99b, DS99a, Duf02c, Duf04c, Duf95]. **Codes** [Duf79b, DR82a, ADD94a, DD94c, DD95b, DR79a]. **Collection** [DGL92, DGL97]. **College** [FF93]. **collision** [BBC<sup>+</sup>99]. **Combinatorial** [DU12]. **combined** [DD95a, DD97a, DD99a]. **Combining** [CDGS03, CDGS05, Duf04a]. **Comments** [Duf84b, Duf85b, Duf88a]. **communications** [ADLL03a, ADLL03b]. **comparative** [ADLL01a]. **comparison** [ADLL00, ADLL01c, ADLL01d, DR74, DR76, DS96c, DS97a, DS98]. **Comparisons** [Duf79b]. **Complex** [Duf81f]. **Computation** [Ame94, ADLR15, CH90, DP89, DP90, Duf90c, FF93, Kow84, PA88, Duf82d, Duf89b]. **Computational** [Ano99, DD97c, DR85a, DR85b, ADD89b, ADD94a, DD96b, PB96, PT99, KP87]. **computations** [CCF96, DLLT87]. **Computer** [ADDM95, DJKL92, PB96, Spe91, ADDM92a, ADDM93, CDS97, CDS98, DK86, Duf84a]. **Computers** [DD86a, DD87b, DDSv91, DDSv98, Duf86b, Duf86c, ADD94a, ADLL00, ADLL01c, ADLL01d, Ano89, DDLG92, DDLG93, DD94c, DD95b, DD86b, DD92b, DD94d, Duf82d, Duf84j, DK86, Duf87c, Duf87f, Duf92, Duf94d, DLN18, Per92]. **Computing** [ACM00, ADL<sup>+</sup>12, Ano01, ACD<sup>+</sup>93, ADDR95b, B<sup>+</sup>95, DDGM89, DMSV90, DKM<sup>+</sup>92, DG86, DS91, DS92, DS93a, DS95, Duf99d, EJP90, GL80, GL84, PA88, THDC09, ADD97, ADDR95a, ADDR95c, BD15, DG89, DE87, DW94, DH90, Duf00b, ES89, Rod89, SMMG01, GL80, AGS<sup>+</sup>99, NN94]. **Computing/Numerical** [THDC09]. **concurrency** [DJ89]. **condensed** [DR75]. **Conference** [ABD<sup>+</sup>99, Ano01, BBD<sup>+</sup>11, B<sup>+</sup>95, BCRT92, DMSV90, DKM<sup>+</sup>92, DP97, Duf81i, DR85a, DR85b, ESY84, Fos79,

GW94, HHJ<sup>+</sup>86, HPP88, IP87, Jap90, Lew94, MMO90, VWY01, WDPW04, EJP90, FF93, TH82, Wat82, TCJ<sup>+</sup>10, TBC<sup>+</sup>11, vdVDE<sup>+</sup>01, vdVDE<sup>+</sup>02, vdVDE<sup>+</sup>03]. **Congrès** [AG80]. **Congress** [AG80, Ame94]. **Conjugate** [Duf79a, DDR93, DDR94, DM89]. **CONPAR** [BCRT92, HHJ<sup>+</sup>86]. **constrained** [ACD<sup>+</sup>93]. **construction** [Duf79d]. **Convention** [ACM00]. **convergence** [GD11]. **Copper** [TCJ<sup>+</sup>10, TBC<sup>+</sup>11, vdVDE<sup>+</sup>02, vdVDE<sup>+</sup>03, vdVDE<sup>+</sup>01]. **Core** [ADL<sup>+</sup>12, ADGR90, Duf84c]. **Correction** [Duf83a]. **Corrigendum** [DS95]. **CRAY** [CRI82, ADD89a, DD87a, DD89, DD90a, DD90b, DD91, Duf82b, Duf82c, Duf84g, Duf88b, ADD92, DD88, DR82a]. **CRAY-1** [CRI82, Duf82b, Duf82c, Duf84g, DR82a]. **CRAY-2** [ADD89a, DD87a, DD89, DD90a, DD90b, DD91, Duf88b, ADD92, DD88]. **creuses** [ADL98c]. **Criteria** [ADR92, ADR91]. **Current** [DH90, Duf79c]. **Czestochowa** [WDPW04].

**Dallas** [ACM00]. **dans** [AG80, ADD97]. **Data** [Duf85c]. **December** [DMSV90, Duf88c, Duf89f, Duf91b, Duf94a, Duf96a, Duf98b, Duf00a, Duf02a, Duf04b, GL80, GL84]. **Decomposition** [ADGP07, CDG95, CDG96]. **Dedication** [GDM87]. **Definite** [Duf84a, DS97b, DS99b, DS99a, Duf04c]. **Degree** [ADD96, ADD95, ADD04]. **Denmark** [DW94]. **dense** [ACD<sup>+</sup>03, CDG00a, CDG00b, CDG01, CDGmM01, CDGmM02, CDGmM04, DV00, DV01b, DV02c]. **Design** [DDN20, DD97c, DR79b, Duf84c, DK99a, DKU11, DD96b, Duf81c, DR96a, DS96a, DK97a, Duf09, Duf95]. **Designing** [ADD91]. **Developing** [THDC09, DD94c, DD95b]. **Development** [ADD94a, Cow84, DDGM89, DvdV99].

**Developments** [Dv99, Duf80b]. **Développement** [ADD94a]. **Devoted** [BBD<sup>+</sup>11]. **Diagonal** [Duf81b, DK99a, DR95a, DR96b, DK97a, DK99b, DK01, DS04a, DS05b]. **different** [Duf04a]. **dimensional** [DGPV07]. **Direct** [BD80, DD86a, DRMN79, Duf84d, DER86, DER89, Duf89c, DR95b, Duf96c, DGDG97a, DER97, DGDG97b, Duf97, Duf98a, Duf02b, DER17, ADPV03a, ADPV03b, Duf93a, DR93, DR94, DR95a, DS96c, DR96a, DR96b, DS97a, DS98, DS02, Duf04a, DS04b, Duf09, DLN18, Duf95]. **direction** [ACD<sup>+</sup>93]. **Directions** [DDS00, Duf84e]. **Dissection** [DER76]. **distribuée** [ADL98c]. **Distributed** [ADLK01b, ADV05, DGRZ15, ADL98d, ADL98c, ADLK99, ADLL00, ADL00, ADLL01c, ADLL01d, ADLL01a, ADLK01a, ADLL01e, ADLL01b, ADV02, ADV04, CRQR89, DDR93, DDR94]. **distributed-memory** [ADL98c]. **division** [DDL92, DDL93]. **domain** [CDG95, CDG96]. **domaine** [ADD97]. **d'ordinateurs** [DDL92, DDL93]. **Dundee** [GW94, Wat82]. **Dynamic** [ADLK01b, ADLK99].

**Editorial** [CDH<sup>+</sup>97b, DW91, DW<sup>+</sup>93]. **Editorship** [DS05a]. **Effect** [DJ86, DM89]. **Efficient** [ACD<sup>+</sup>03, ADD89a, ADD92, DD97c, DP89, DP90, DD96b, DM11]. **Eigenvalues** [DS93a, DS95, DS91, DS92]. **electromagnetic** [CDG00a, DGLM03, DGLM05]. **electromagnetics** [CDG00b, CDG01]. **Electromagnetism** [CDGS03, CDGS05, ACD<sup>+</sup>03, CDG00d, CDG00c, CDGmM01, CDGmM02, CDGS04, CDGmM04]. **Element** [PB96, ACD<sup>+</sup>03, DS97b, DS99b, DS99a, DM11, SD04]. **elimination** [CDJ96b, CDJ98, DR74, Duf74a, Duf81d, Duf82a, DEGR88, DS94a, DS94b]. **elliptic** [Duf82e]. **embedded** [CDGS04]. **Engineering** [CRI82, DJKL92, GL84,

AG80, Ade92, GL80, LP90]. **Enhancements** [Duf83b]. **ENSEEIHT** [ADD94a]. **Entries** [ADL<sup>+</sup>12, ADLR15, DK99a, DK97a, DK99b, DK01]. **Environment** [ADP96, ADL98a, ADLP98, ADLP99, ADL<sup>+</sup>12, DGLR87, ADP94, ADN90b, DD90a, DD91, DGLR90]. **Environments** [ADDR95b, Ano89, ADDR95a, ADDR95c]. **Equation** [Duf81f]. **Equations** [Duf81f, Duf82b, Duf82c, Duf84g, Duf86e, Duf86b, Duf86c, Duf91a, DS96b, ADD89b, ADD89d, ADD89c, AD94, ADD<sup>+</sup>94b, AD96, ADLL01a, ADN90c, DR76, Duf77a, DRMN79, Duf79c, Duf80a, Duf80b, Duf81c, DR82b, Duf82d, Duf83b, Duf83c, Duf84d, DR84, Duf85b, Duf87c, DNR87, Duf87f, Duf88a, DR93, DR94, Duf94d, DR96a, Duf99c, Duf99a, DM11, GD11, Duf95, Spe91]. **Erisman** [DAGR87]. **Errata** [DR83a]. **Error** [ADD88, ADD89e]. **ESCAPE** [DJKL92]. **estimation** [DV00, DV01b, DV02c]. **ETA** [ADD89a, ADD92, DD88, DD89]. **ETA-10P** [ADD89a, ADD92, DD88, DD89]. **étape** [DDL92]. **Euro** [ABD<sup>+</sup>99, ABD<sup>+</sup>99]. **Euro-Par** [ABD<sup>+</sup>99]. **Euro-Par'99** [ABD<sup>+</sup>99]. **Europe** [PA88, Duf84h, Duf84j, Duf85a, Duf85d, Duf87e, Duf88e, Duf90d]. **European** [DJKL92, MMO90, Duf89b, Duf12]. **EUROPORT** [CDH<sup>+</sup>97b, CDH<sup>+</sup>97a]. **Evaluation** [ADD97, DDL92, DDL93, DR79a, Fos79, DDL92, DDL93]. **Exascale** [Duf12]. **Experience** [DD94b, DR82a, Duf88b, ADD94a, ADD94a]. **experiment** [DLLT87]. **Experiments** [AD90, BDG94, CDG00a, DGP94, DP04a, DHL18, DL18]. **Exploitation** [Duf93a]. **Exploiting** [Ano89, DR95a, DR96b, Hig90]. **extrapolation** [DN87].

**F1** [DR78a, Duf81b]. **factorisation** [ADL98c]. **Factorization** [ADP96, ADGR90, BDW99, DD97b, DD88, DD89, DGR<sup>+</sup>91, ADP94, ADL98c, BDW01, BDY09, DD92a, DD93, DD94a, DD90a, DD90b, DD91, DR83a, DR83c, DGR<sup>+</sup>90, PDW02, PDW05]. **Fast** [CDGS03, CDGS05, DH92, Hig90, LLH<sup>+</sup>17]. **Features** [DR79b, Duf84c]. **February** [B<sup>+</sup>95]. **Federal** [Kow84]. **FGMRES** [AD09]. **Fifth** [DKM<sup>+</sup>92, Lew94]. **fill** [DR83a, DR83c]. **final** [DDL93]. **Finite** [PB96, CCF96, DS97b, DS99b, DS99a, DM11]. **finite-element** [DS97b, DS99b, DS99a]. **Finland** [Ano99]. **First** [DW94, Jap90]. **flow** [CDL20, DHL18]. **following** [DK86]. **Form** [DR78a, DU10, Duf77b]. **forms** [DR75, DS04a, DS05b]. **Fortran** [DD86a, Duf77a, Duf80a, DR82b, DR93, DR94, DR95b, DV98a, DVY00, DV01a, DV02a, DV02b]. **Forum** [DHP02]. **Fourth** [DMSV90, GL80]. **Fox** [DW<sup>+</sup>93]. **France** [ABD<sup>+</sup>99, BCRT92, CRQR89, DG89, DGDG97a, GL80, GL84, DJKL92]. **Francisco** [B<sup>+</sup>95]. **Free** [Duf81b, LLH<sup>+</sup>16, LLH<sup>+</sup>17]. **French** [ADD94a, ADD97, ADL98c, DDL92, DDL93]. **Frobenius** [CDG00d, CDG00c]. **Frobenius-norm** [CDG00d]. **Frontal** [Duf89d, DS96b, CDS97, CDS98, Duf81c, Duf81a, Duf81e, Duf84b, Duf84c, DRS89, DS93b, Duf94b, DS96c, DS96a, Duf96b, DS97a, DS97b, DS98, DS99b, DS99a]. **fronts** [DS94a, DS94b]. **Fukuoka** [Ano91]. **Full** [DD97c, Duf81d, Duf82a, ADD89b, ADD89d, ADD89c, DD96b]. **Fully** [ADLK01b, ADLK99]. **future** [Duf81h]. **FX** [ADD89a, ADD92, DD90a, DD90b, DD91, Duf87d, Duf89e, Duf90a]. **FX-8** [Duf90a]. **FX/8** [Duf87d, Duf89e]. **FX/80** [ADD89a, ADD92, DD90a, DD90b, DD91].

**G.** [Duf10]. **game** [DDL92, DDL93]. **Gaussian** [CDJ96b, CDJ98, DR74, Duf74a, Duf81d, Duf82a, DEGR88, DS94a, DS94b]. **general**

[ADLL00, ADLL01c, ADLL01d, ADLK01a, ADLL03a, ADLL03b, ADNR90c, Duf91c]. **geophysics** [DGPV07]. **George** [Duf84a, DER76]. **Georgia** [Ame94]. **Germany** [Kow84]. **Gers** [CRQR89]. **Givens** [Duf74b, PDW02]. **Glasgow** [MMO90]. **global** [GD11]. **GMRES** [ADGP07]. **gradient** [DDR93, DDR94, Duf79a]. **gradients** [DM89]. **graph** [DL18]. **Greece** [HPP88]. **Group** [Duf81i, Duf88c, Duf89f, Duf91b, Duf94a, Duf96a, Duf98b, Duf00a, Duf02a, Duf04b]. **Guide** [DGL92].

**H** [CDD87]. **Hammersmith** [Ano89]. **hand** [LLH<sup>+</sup>17]. **Hardware** [HHJ<sup>+</sup>86]. **Harwell** [Duf82f, Duf88b, DGL92, DS96c, DS98]. **held** [DS79, Duf81i, DGDG97b, FF93, Hen82, IP87, Kow84, PB96, PR83, TH82, Wat82]. **Hellerman** [DAGR87]. **Heterogeneous** [ADDR95b, ADDR95a, ADDR95c, DGPV07]. **High** [ACM00, APSS98, DD97c, DG89, DDSv98, DDS00, Duf89b, Duf99d, Kow84, THDC09, CDS97, CDS98, DD96b, Duf94d, Duf00b, AGS<sup>+</sup>99, DG89, Kow84]. **High-Performance** [DD97c, DDSv98, Duf89b, THDC09, CDS98, DD96b, Duf00b, AGS<sup>+</sup>99]. **High-Speed** [DDS00, Kow84, Kow84]. **highly** [DS02, DS04b]. **Hilton** [Sup90]. **Houston** [DKM<sup>+</sup>92]. **HPC** [SMMG01]. **HSL** [Duf07]. **HSS** [GD11]. **Human** [PB96]. **Hyatt** [DS79]. **hybrid** [SD04].

**IBM** [PA88, ADD89a, ADD92, DD88, DD89, DD90a, DD90b, DD91]. **IBM-3090** [DD90a]. **Identifying** [AD15]. **IFIP** [ESY84, Fos79]. **II** [DR85b, PDW02, PDW05]. **III** [MC95]. **IIMAS** [Hen82]. **ILAY** [DGDG97b]. **Illinois** [DMSV90]. **IMA** [IP87, Duf81i]. **IMA/SIAM** [IP87]. **IMACS** [Ame94, Ame94]. **Impact** [ADLL03a,

ADLL03b, Duf99d, Duf87b, Duf00b].

### **Implementation**

[DDN20, DDP94, DD99b, DCHD90a, DR78b, Duf86d, DW88, ADLL03a, ADLL03b, DDP93, DD96a, DD97d, DDR93, DDR94, DV01a, DV02a, DV02b, DKU11, DHL18, DL18, PDW02, PDW05]. **Implementing** [DfVY00]. **In-Core** [ADGR90]. **Incomplete** [BDW99, PDW02, BDW01, BDY09, PDW05]. **Incremental** [DV00, DV01b, DV02c].

### **Indefinite**

[DR95b, DP05b, DP07, DRMN79, DR83b, DGR<sup>+</sup>90, DGR<sup>+</sup>91, DR94, DR95a, DR96b, Duf02c, Duf04c, DP04b, DP05a]. **index** [DG86]. **Indirect** [DD86a]. **industrial** [DD94c, DD95b, SAD<sup>+</sup>00]. **Industry** [MMO90, SMMG01]. **Influence** [Duf86a, Duf87c]. **ingénieur** [AG80].

### **Initiative**

[BDRS12, PB96, PT99]. **instantiation**

### **Institute**

[Ame94, Duf81i, FF93, PA88, KP87].

### **Integrated**

[ADLP98, ADLP99].

### **integrator**

[DN87]. **intensif** [ADD97].

### **intensifs**

[DDLG92, DDLG93]. **intensive**

### **Interface**

[DMRV97]. **interfaces** [ESY84].

### **International**

[AG80, ABD<sup>+</sup>99, Ano91, BCRT92, CRQR89, DFT95, DG89, DW94, DP97, DR85a, DR85b, DGDG97b, ES89, GL80, GL84, HPP88, Jap90, MC95, SMMG01, VWY01, WDPW04, EJP90, PR83, DGDG97a].

### **International-Conference**

[DR85a].

### **introduction**

[DK86]. **Inverse**

### **inverses**

[ADL<sup>+</sup>12, CDGS03, CDGS05]. **inverses**

### **involved**

[DEGR85]. **involved** [DR83a, DR83c].

### **Issue**

[CDH<sup>+</sup>97b, CDH<sup>+</sup>97a, DW91, TCJ<sup>+</sup>10, BBD<sup>+</sup>11, BD15]. **Issues**

### **Italy**

[DDGM89, AD93, CDS97, CDS98]. **Italy**

### **Iteration**

[ES89]. **Iteration** [DS93a, DS95, DS91].

### **Iterative**

[ADR92, ADDR95b, DGDG97a, DGDG97b, ACD<sup>+</sup>03, ADNR90c, ADR91, ADDR95a, ADDR95c, CDGS04, Duf04a].

**James** [CDD87, GND<sup>+</sup>87]. **January** [Duf88c, Duf89f, Duf91b, Duf94a, Duf96a, Duf98b, Duf00a, Duf02a, Duf04b, Hen82]. **Japan** [Ano91, Jap90]. **Japanese** [DK91]. **jeu** [DDL92, DDL93]. **Joint** [BCRT92, IP87]. **Joseph** [Duf84a]. **Jülich** [Kow84]. **July** [Ame94, Duf81i, GW94]. **June** [Ano89, DW94, DGDG97a, DGDG97b, GW94, HPP88, Kow84, PR83, SMMG01, VWY01, Wat82].

**kernel** [DP89, DP90]. **Kernels** [DD97c, ADD89a, ADD89b, ADD89d, ADD92, ADD94a, CDG95, CDG96, DD96b]. **Knoxville** [DS79]. **Köln** [TH82]. **Köln-Porz** [TH82].

**Lánczos** [ADRS92a, ADRS95]. **Large** [CDGS03, CDGS05, DE87, Duf84a, Duf86b, Duf86c, DK99a, ACD<sup>+</sup>03, ADLL01a, AD90, ACD<sup>+</sup>93, Duf79c, Duf80b, Duf84j, DK86, Duf87c, Duf87f, Duf90e, Duf92, Duf93a, DK97a, DK99b, Duf99c, Duf99a, DK01, Duf02b, DS02, DGLM03, Duf04a, DS04b, DGLM05, SAD<sup>+</sup>00]. **large-scale** [ACD<sup>+</sup>93, Duf90e]. **Least** [ADd89f, AD15, BD80, Duf90e]. **Least-Squares** [ADd89f, AD15, Duf90e]. **Lectures** [CCF96]. **Leiden** [EJP90]. **Leslie** [DW<sup>+</sup>93]. **Leuven** [MC95]. **Level** [DD88, DH92, DCDH88, DCHD90a, DCHD90b, DMRV97, Hig90, CDG02, CDG03, DCDH87, DDCH89, DMR92, ADD89d, ADD89c, DD89, DD90a, DD90b, DD91, DDP93, DDP94, DD96a, DD97d, DD99b, DDDH89, DMRV95, DMRV97, DV98a, DMRVxx]. **Level-3** [DD88, DH92, DDP94]. **Libraries** [Duf12, Ano89]. **library** [Duf79d, Duf07, Duf88b, DS96c, DS98]. **Linear** [ADDM92b, ADDM92a, ADDM93, ADDM95, ADD88, AD15, BD80, BDD<sup>+</sup>01, BDD<sup>+</sup>02, CDG95, CDG96, DD97c, DCDH88, DDDH89, DCHD90a, DCHD90b, DDSv91, DDSv98, DDS00, Duf79b, Duf81f, Duf82b, Duf82c, Duf84g, Duf86e, Duf86b, Duf86c, Duf91a, DR95b, DMRV95, DS96b, DGDG97a, DMRV97, DGDG97b, Duf97, DV98a, DvdV99, Duf99d, DMRVxx, DHP02, Lew94, ACD<sup>+</sup>03, ADD89a, ADD89b, ADD89d, ADD89c, ADD91, ADD92, ADD93, AD94, ADD<sup>+</sup>94b, AD96, ADD89e, ADNR90b, CDGmM01, CDGmM02, CDGmM04, DD94c, DD95b, DD96b, DCDH87, DR76, Duf77a, DRMN79, Duf79c, Duf80a, Duf80b, DR82b, Duf82d, Duf83c, DR83b, Duf84c, Duf84d, DR84, Duf84f, Duf85b, DLLT87, Duf87c, DNR87, Duf87f, Duf88a, DR93, DR94, Duf94b, DR95a, DR96a, DR96b, Duf96b, Duf96c, Duf99c, Duf99a, Dv99, Duf00b, DS02, DS04b, DU12, Duf95, Spe91, vdVV90]. **linearly** [ACD<sup>+</sup>93]. **linearly-constrained** [ACD<sup>+</sup>93]. **Liu** [Duf84a]. **London** [Ano89]. **low** [DGLM03, DGLM05]. **LU** [ADL98c, DD93, DD88, DD89, DD90a]. **Lyngby** [DW94]. **Lyon** [BCRT92].

**M7** [DDS00]. **MA27** [DR82b]. **MA28** [Duf77a, Duf80a]. **MA32** [Duf81a, Duf81e, Duf83b]. **MA41** [AD96]. **MA42** [DS93b]. **MA47** [DR94, DR95b]. **MA48** [DR93, DR96a, Duf95]. **MA57** [Duf02c, Duf04c]. **MA62** [DS97b, DS99a]. **Major** [Jes87]. **management** [AD93]. **March** [Ano99, DG89, DKM<sup>+</sup>92, Jap90]. **Markowitz** [DDN20]. **Massively** [ADL98b]. **Mathematical** [Cow84]. **Mathematics** [Ame94, Duf81i, FF93, MMO90, WDPW04]. **Matrices** [ADGR90, ADNR92, Duf81i, DER86, DS93a, DS95, DMRV97, DK99a, DU10, DER17, ADL98c, ADNR90a, DD95a, DD97a, DD99a, Duf74a, Duf74b, DR75, Duf85c, DEGR85, Duf88d, DER89, DGR<sup>+</sup>90, DS91, DGR<sup>+</sup>91, DS92, DMRV95, DER97, DK97a, DV98a, DMRVxx, DV00, DV01b, DV02c, DRV04, Duf09]. **Matrix** [ADLP98, ADLP99, ADL<sup>+</sup>12, AD15, DD87a, Duf77c, DR78b, DR79b, DS79, DR82a,

Duf84i, Duf87d, DGL89, DGL92, DGL97, Duf99b, Hig90, ADD89a, ADD92, ADRU08, APSS98, DRMN79, DR79a, Duf80c, Duf81d, Duf82a, Duf82e, DGLP82, DR83a, DR83c, Duf84e, DP89, Duf89e, Duf89g, DP90, Duf90a, DK99b, DK01, SAD<sup>+</sup>00, NN94].

**matrix-matrix** [ADD89a, ADD92, DP89, DP90].

**Maximum** [Duf81g, DKU11]. **ME28** [Duf81f]. **mechanics** [DM11, PB96, PT99].

**Meeting** [ES89, DFT95]. **mémoire** [ADL98c]. **Memory** [AD93, ADDM95, ADV05, CDD87, DDSv91, ADDM92a, ADDM93, ADL98c, ADLL00, ADLL01c, ADLL01d, ADLL01a, ADLK01a, ADLL01e, ADLL01b, ADV02, ADV04].

**Method** [ADNR92, BD80, DD97b, DER76, DGLR87, DGRZ15, ACD<sup>+</sup>03, ADD93, ADNR90c, ADNR90a, ADRS91, ADRS92a, ADRS92b, ADRS95, CDJ96a, DD93, DD94a, DD95a, DD97a, DD99a, Duf81a, Duf81e, DGLR90, GD11]. **Méthodes** [AG80].

**Methods** [BDW99, DER86, DGDG97a, DGDG97b, Duf97, DER17, GL84, AG80, AD93, BDW01, BDRS12, BD15, Car89, CDG95, CDG96, DD92a, DR76, Duf79a, Duf84d, Duf87b, DER89, Duf89d, Duf94b, Duf96b, Duf96c, DER97, Duf98a, Duf99b, Duf02b, Duf04a, ES89, GL80, PDW02, PDW05, PB96, PT99, PR83, TH82, BDW01]. **Mexico** [Hen82].

**MIMD** [DDP93, DDP94]. **minimization** [CDG00d, CDG00c]. **Minimum** [ADD96, ADD95, ADD04]. **Mitchell** [DW91]. **Mito** [Jap90]. **Mixed** [DP07, AD09, DM11]. **Mobility** [PB96].

**Model** [DCHD90a, CDL20, DV02a, DV02b]. **modern** [Duf92]. **modules** [ESY84].

**Montpellier** [DG89]. **Mountain** [TCJ<sup>+</sup>10, TBC<sup>+</sup>11, vdVDE<sup>+</sup>01, vdVDE<sup>+</sup>02, vdVDE<sup>+</sup>03]. **MPI** [ADLL03a, ADLL03b].

**Multifrontal** [AD89, ADP94, ADP96, ADL98d, ADL98a, ADL00, ADLK01b, ADV05, DD97b, Duf86d, DGLR87, AD93, ADD93, ADLK99, ADV02, ADV04, ADGS10, DD92a, DD93, DD94a, DD95a, DD97a, DD99a, Duf83c, DR83b, DR84, Duf89d, DGLR90, DP04a, ADL98b].

**Multigrid** [DGPV07, TH82]. **Multilevel** [SD04]. **multiple** [DS94a, DS94b, LLH<sup>+</sup>17].

**Multiplication** [Hig90]. **Multipole** [CDGS03, CDGS05]. **Multiprocessing** [Duf87d, Duf89e, Duf90a, DD90a].

**Multiprocessor** [AD89, ADP96, ADP94]. **multiprocessors** [AD93, DD90a, DD90b, DD91].

**multiscale** [DM11]. **multitasking** [DD91]. **MUMPS** [ADL98b, ADLK01a]. **MUPS** [AD94].

**NAA** [VWY01]. **Nanjing** [BBD<sup>+</sup>11].

**NASC** [BBD<sup>+</sup>11]. **NATO** [KP87, Kow84]. **nearly** [Duf84f]. **Nested** [DER76].

**Networking** [ACM00]. **Newton** [GD11].

**no** [DR83a, DR83c, DMR92]. **no-fill** [DR83a, DR83c]. **Node** [DJ89]. **non** [ADL98c]. **nonlinear** [ACD<sup>+</sup>93, DNR87, GD11]. **nonsymmetric** [ADL98c]. **nonzeros** [Duf74a]. **norm** [CDG00d, CDG00c, DV00, DV01b, DV02c].

**Norway** [SMMG01]. **Note** [ADGP07, DR83a, DR83c, DMR92]. **notes** [Duf79d]. **notice** [DDCH89].

**November** [ACM00, Ano91, BBD<sup>+</sup>11, DS79, Sup90, TH82]. **Novotel** [Ano89]. **noyaux** [ADD94a]. **NSC** [BBD<sup>+</sup>11]. **Nuclear** [Jap90]. **number** [Duf74a].

**Numerical** [AG80, BDY09, DDSv98, DDS00, Duf81i, Duf86a, Duf97, DBGvdV02, Duf12, DGdSU12, IP87, THDC09, vdVBDP01, BDRS12, BD15, CH90, Duf79d, Duf87a, Duf87b, Duf96c, DW97, DGPV07, Fos79, vdVV90, Duf88c, Duf89f, Duf91b, Duf94a, Duf96a, Duf98b, Duf00a, Duf02a, Duf04b, GW94, Hen82, PR83, VWY01, Wat82].

**numerically** [ADD97, DDLG92, DDLG93]. **numerically-intensive** [ADD97, DDLG92, DDLG93]. **numérique** [ADD97]. **numériques** [AG80]. **NY** [Sup90].



**Oberlech** [PA88]. **obtain** [AD09].  
**Obtaining** [Duf81g, DR74]. **October**  
 [CRQR89, DJKL92]. **optimisation**  
 [ADD97]. **Optimization**  
 [DGDG97a, DGDG97b, ADD97, ACD<sup>+</sup>93].  
**Ordering** [ADD96, ADD95, ADD04,  
 Duf74b, DM89, SD04]. **Orderings**  
 [DJ86, DR74, DJ89]. **Organised** [Duf81i].  
**organized** [FF93]. **Orthogonal**  
 [BDW99, BDW01, BDY09, PDW02, PDW05].  
**other** [DS96c, DS97a, DS98]. **Out-of-Core**  
 [ADL<sup>+</sup>12, Duf84c]. **overdetermined**  
 [DR76]. **overview** [DHP02]. **Oxford**  
 [DR85a, DR85b, FF93].

**package**  
 [AD94, AD96, Duf81a, Duf81e, Duf83b].  
**Papers** [DP97, VWY01, WDPW04]. **Par'99**  
 [ABD<sup>+</sup>99]. **PARA** [DW94, SMMG01].  
**paradigms** [SMMG01]. **Parallel**  
 [ADD93, ADD<sup>+</sup>94b, ADL98b, ADLP98,  
 ADLP99, ADLR15, Ano01, ADDR95a,  
 ADDR95b, B<sup>+</sup>95, BCRT92, Car89, CRQR89,  
 DDN20, DDP94, DDGM89, DMSV90,  
 DKM<sup>+</sup>92, DR85a, DR85b, Duf86a, Duf86d,  
 Duf86e, Duf86b, Duf86c, DGLR87, Duf89g,  
 Duf90b, Duf90c, Duf91c, DvdV99, DRV04,  
 DP07, DGdSU12, ES89, HHJ<sup>+</sup>86, PA88,  
 Rod89, vdVV90, ACD<sup>+</sup>03, ADD89a, ADD91,  
 ADD92, ADD94a, AD94, AD96, ADL98d,  
 ABD<sup>+</sup>99, ADL00, ADPV03a, ADPV03b,  
 ADRU08, ADGS10, Ano89, ADN90b,  
 ADDR95c, CDG95, CDG96, DFT95, DD92a,  
 DD90b, DDLG92, DDLG93, DDP93, DD94c,  
 DD95b, DP97, DDR93, DDR94, Duf87c,  
 Duf87f, DGLR90, Dv98b, Duf99c, Duf99a,  
 Dv99, DS02, DS04b, DS04a, DS05b, DP05a,  
 DLN18, FF93, Jes87, LLH<sup>+</sup>16, LLH<sup>+</sup>17,  
 MC95, NN94, Per92, SMMG01, BCRT92,  
 CRQR89, DMSV90, DW94, ES89, EJP90,  
 FF93, PA88, WDPW04]. **parallèles**  
 [ADD94a, DDLG92, DDLG93].  
**Parallélisation** [ADL98c]. **Parallelism**  
 [Duf88d, Ano89, Duf87b, Duf93a].

**Parallelization** [CDL20, DJ86, ADL98c].  
**parametrized** [DL18]. **PARASOL**  
 [ADL98a, ADLP98, ADLP99]. **part**  
 [DGDG97b]. **Partitioning**  
 [DDG<sup>+</sup>15, DRV04]. **Pattern** [DD97b,  
 CDG00d, CDG00c, DD92a, DD93, DD94a].  
**PDE** [ESY84, Duf82e, ESY84].  
**Performance** [ACM00, ADLL01e,  
 ADLL01b, CDS97, CDS98, DD97c, DD86a,  
 DDSv98, DR79a, Duf89b, Duf99d, Fos79,  
 THDC09, ADD97, ADLL03a, ADLL03b,  
 APSS98, DD96b, DG89, Duf94d, Duf00b,  
 ADD97, Fos79, AGS<sup>+</sup>99]. **performed**  
 [Duf74a]. **Permutations**  
 [DR78a, Duf81b, Duf77b]. **Permuting**  
 [DK99a, DK97a, DK99b, DK01]. **Perturbed**  
 [ADGP07]. **phase** [ADGS10, CDL20].  
**physics** [KP87]. **Pivot** [Duf74b]. **pivotal**  
 [DR74]. **Pivoting** [ADGP07, DP05b, DP07,  
 DHL20, DP04b, DP05a]. **point**  
 [ADLL03a, ADLL03b]. **point-to-point**  
 [ADLL03a, ADLL03b]. **Poland** [WDPW04].  
**POLISH** [Duf82f]. **port** [DDLG92].  
**portable** [ADD91]. **portage**  
 [ADD94a, DDLG92]. **Porting**  
 [DD94c, DD95b, ADD94a]. **Porto**  
 [DFT95, DP97]. **Portugal** [DP97, DFT95].  
**Porz** [TH82]. **Positive**  
 [Duf84a, DS97b, DS99b, DS99a].  
**positive-definite** [DS97b, DS99b, DS99a].  
**Posteriori** [DHL20]. **pour** [ADL98c].  
**PPAM** [WDPW04]. **Practical**  
 [Duf79b, DAGR87, BD15]. **precision**  
 [AD09, CCF96, DLLT87]. **Preconditioned**  
 [ADGP07, DM89]. **Preconditioner**  
 [CDGS03, CDGS05]. **Preconditioners**  
 [DK13, BDY09, CDG00d, CDG00c,  
 CDGmM01, CDG02, CDGmM02, CDG03,  
 CDGmM04, DGLM03, DRV04, DGLM05,  
 DGPV07]. **Preconditioning**  
 [AD15, Duf97, Dv98b, SAD<sup>+</sup>00, CDG00a,  
 CDG00b, CDG01, Duf96c]. **Preface**  
 [BBD<sup>+</sup>11, BD15, DR85a, DGDG97a].  
**preprocessing** [DP04a]. **present** [Duf90d].

**primal** [DM11]. **primal-mixed** [DM11].

**Problems**

[ADd89f, AD15, BD80, DGL89, Duf99d, DP05b, APSS98, CDG00a, CDG00b, CDG01, DR79a, DGLP82, DJ89, Duf90e, Duf00b, DP04a, DP04b, DGPV07, DU12, SAD<sup>+</sup>00].

**Procedures** [PB96]. **Proceedings**

[Ano99, CRI82, DMSV90, DS79, Duf81i, DR85b, DGDG97a, EJP90, GL84, IP87, Kow84, Ame94, CRQR89, DG89, ESY84, ES89, FF93, Fos79, GL80, GW94, Hen82, KP87, MC95, PA88, PR83, TH82, Wat82, ABD<sup>+</sup>99, Ano91, Ano01, B<sup>+</sup>95, DJKL92, DKM<sup>+</sup>92, DR85a, DGDG97b, Sup90, Lew94, MMO90, SMMG01, BCRT92, DW94, HHJ<sup>+</sup>86, HPP88, Jap90]. **processes**

[BBC<sup>+</sup>99]. **Processing**

[Ano01, B<sup>+</sup>95, DMSV90, DKM<sup>+</sup>92, HHJ<sup>+</sup>86, WDPW04, ABD<sup>+</sup>99, BCRT92, DFT95, DP97, Jes87, Rod89]. **Processing-Systems**

[DP97]. **Processors** [DDP94, DD97d, DD97c, DD99b, DR85a, DR85b, Duf86a, DDP93, DD96a, DD96b, Duf82d]. **profile** [DRS89]. **programmes**

[DDLG92, DDLG93]. **Programming**

[ADLP98, ADLP99, DDLG92, DDLG93, DNR87]. **Programs** [DCHD90a, DK86].

**Progress** [Duf88c, Duf89f, Duf91b, Duf94a, Duf96a, Duf98b, Duf00a, Duf02a, Duf04b].

**Projection** [ADNR92, ADNR90a, CDJ96a].

**proposal** [DCDH87, DDDH89, DMR92].

**purpose** [ADLK01a].

**quasi** [CDJ96b, CDJ98]. **quasi-square**

[CDJ96b, CDJ98].

**R** [DW91]. **Ranck** [DAGR87]. **random**

[Duf74a]. **rank** [DGLM03, DGLM05].

**Rapport** [DDLG93]. **Reading** [Duf81i].

**rectangular** [CDJ96a, CDJ96b, CDJ98].

**reduction** [Duf74b, DR75, DRS89].

**reference** [DV02a, DV02b]. **Regency**

[DS79]. **Release** [DGL92]. **Reliable** [CH90].

**Remarks** [DW88, DEGR85]. **Report**

[DDLG92, DDLG93, Duf88c, Duf89f, Duf91b, Duf94a, Duf96a, Duf98b, Duf00a, Duf02a,

Duf04b]. **représentatifs**

[DDLG92, DDLG93]. **representative**

[DDLG92, DDLG93]. **Republic** [Kow84].

**Research**

[CRI82, DDGM89, DDS00, Duf77c, Duf84e, Kow84, Duf90b, Duf99c, Duf99a]. **results**

[PDW02, PDW05]. **Review**

[Duf84a, Duf94b, Duf96b]. **Revised**

[VWY01, WDPW04, DD97d]. **right**

[LLH<sup>+</sup>17]. **right-hand** [LLH<sup>+</sup>17]. **rigorous**

[BD15]. **RISC**

[DD96a, DD96b, DD97d, DD97c, DD99b].

**Roadmap** [THDC09]. **Robust**

[CDG00b, CDG01, CDG00d, CDG00c].

**Rockefeller** [Sup90]. **rotations** [PDW02].

**Rousse** [VWY01]. **row** [Duf74b].

**Rutherford** [DGL97].

**San** [B<sup>+</sup>95]. **SC2000** [ACM00]. **scale**

[ACD<sup>+</sup>93, DE87, Duf90e]. **Scaling**

[DP05b, ADRU08, DGP94, DP04a, DP04b].

**Scheduler** [ADDR95b, ADDR95c].

**Scheduling** [ADLK01b, ADV05, ADLK99,

ADV02, ADV04]. **scheme**

[CDGS04, Duf81c]. **Schemes**

[Duf86d, CDS97, CDS98]. **School** [KP87].

**Science** [DR85a, DR85b, LP90, CRI82].

**Sciences** [GL84, AG80, GL80]. **Scientific**

[Ano01, B<sup>+</sup>95, DMSV90, DKM<sup>+</sup>92, BD15, DE87, DW94, DK86, DH90, Rod89, Duf82d].

**Scotland** [Wat82]. **Scottish** [KP87]. **search**

[ACD<sup>+</sup>93]. **Second**

[BCRT92, DP97, DR85b, VWY01, KP87].

**Section** [TBC<sup>+</sup>11]. **Selected**

[DP97, DS93a, DS95, DS91, DS92].

**selection** [CDG00d, CDG00c, Duf74b].

**semi** [Duf93a]. **semi-direct** [Duf93a].

**Semilocal** [GD11]. **Seminar** [PA88].

**September** [ABD<sup>+</sup>99, BCRT92, DFT95,

DP97, DGDG97a, DGDG97b, ES89, EJP90,

FF93, HHJ<sup>+</sup>86, WDPW04]. **sequence**

[DR74]. **Sequential**

[DP07, CDL20, DP05a, DHL18]. **Set** [BDD<sup>+</sup>01, DCDH88, DCHD90a, DCHD90b, BDD<sup>+</sup>02, DCDH87, DDDH89, Duf77a, Duf80a, DR82b, DMRV95, DMRVxx]. **sets** [AD94, AD96, DRMN79, DR82b, DR84, DNR87]. **Seventh** [B<sup>+</sup>95]. **Shared** [ADDM95, DDSv91, ADDM92a, ADDM93]. **SIAM** [Ano01, B<sup>+</sup>95, DMSV90, DKM<sup>+</sup>92, IP87, Lew94]. **sides** [LLH<sup>+</sup>17]. **similar** [Duf79a]. **similarity** [DR75]. **simulation** [DK91]. **Sixth** [GL84]. **skew** [Duf09]. **SMPs** [ADPV03a, ADPV03b]. **SNA** [Jap90]. **Söderköping** [ESY84]. **Software** [Ano89, Cow84, Duf84i, DS96b, Duf12, Per92, ADD91, Duf82e, Duf84e, Duf85c, DS96c, DS97a, DS98, Duf99c, Duf99a, ESY84, Fos79, Fos79]. **solid** [DM11]. **Solution** [BD80, CDJ96b, CDJ98, Duf79b, Duf82b, Duf82c, Duf84a, Duf84g, Duf86e, Duf86b, Duf86c, Duf91a, DR95b, DS96b, DvdV99, Duf99d, DP07, PB96, ACD<sup>+</sup>03, ADD89b, ADD89d, ADD89c, ADD93, ADLL01a, ADGS10, CDJ96a, DR76, DRMN79, Duf79c, Duf80b, Duf82d, DR83b, DR84, Duf84f, Duf85b, Duf87c, DNR87, Duf87f, Duf88a, Duf89g, Duf90e, Duf92, Duf93a, DR93, Duf93b, DR94, Duf94c, Duf94d, DR95a, DR96a, DR96b, Duf99c, Duf99a, Dv99, DS99b, Duf00b, Duf02b, Duf02c, Duf04a, Duf04c, DP05a, DGPV07, Duf07, DM11, DLN18, Duf95]. **solutions** [DP04a]. **solve** [CDL20]. **Solver** [ADLK01b, ADV05, Duf81f, DHL20, ADLK99, ADLK01a, ADV02, ADPV03a, ADPV03b, ADV04, CDL20, DS02, DS04b, Duf09, ADL98b]. **Solvers** [ADL98a, ADLP98, ADLP99, ADR92, ADDR95b, DD97c, Duf12, ACD<sup>+</sup>03, ADL98d, ADLL00, ADL00, ADLL01c, ADLL01d, ADLL01e, ADLL01b, ADLL03a, ADLL03b, ADR91, ADDR95a, ADDR95c, DD94c, DD95b, DD96b, DN87, Duf89c, DS96c, DS97a, DS98, DS04a, DS05b]. **solves** [LLH<sup>+</sup>16, LLH<sup>+</sup>17]. **Solving** [ADD88, ADD89e, DDSv91, AD94, AD96, ADN90b, BDG94, Duf81c, Duf81a, Duf81e, DR82b, Duf83b, Duf83c, Duf84c, Duf84d, DS93b, Duf94b, DS96a, Duf96b, DU12, Spe91]. **Some** [CDG00c, Duf79c, DR79b, Duf79d, DEGR85, DR76]. **Sources** [Cow84]. **Sparker** [DMR92]. **Sparse** [ADLP98, ADLP99, ADL<sup>+</sup>12, ADD88, AdD89f, ADGR90, ADN92, BD80, CDG00d, CDGmM01, CDGmM02, CDGmM04, DD87a, DD97b, DD97c, Duf72, Duf77c, Duf79b, DR79b, Duf80c, Duf81f, Duf81i, DR82a, Duf82e, DGLP82, Duf82b, Duf82c, Duf84a, Duf84g, Duf84i, DER86, DJ86, Duf86e, Duf86b, Duf86c, Duf87d, DGL89, Duf91a, DGL92, DS93a, DS95, DR95b, DS96b, Duf96c, DMRV97, DGL97, Duf97, DK99a, DP05b, Duf07, DP07, DER17, DLN18, DHL20, ADD89b, ADD89d, ADD89c, AD93, ADD93, AD94, AD96, ADL98c, ADLL00, ADLL01c, ADLL01d, ADLL01a, ADLK01a, ADLL01e, ADLL01b, ADPV03a, ADPV03b, ADLL03a, ADLL03b, ADD89e, ADN90c, ADN90a, AD90, CDJ96b, CDJ98, CDG00a, CDG00c, DD92a, DD93, DD94a, DD95a, DD97a, DD99a, DD94c, DD95b, DD96b, Duf74a, Duf74b, DR75, DR76, Duf77a, DRMN79, DR79a, Duf79c, Duf80a, Duf80b, Duf81c, Duf81d, Duf81a]. **sparse** [Duf81e, Duf81h, Duf82a, DR82b, Duf82d, Duf83b, DR83a, Duf83c, DR83b, DR83c, Duf84c, Duf84d, Duf84e, Duf84f, Duf85b, Duf85c, DEGR85, Duf87c, DN87, DNR87, Duf87f, Duf88a, Duf88d, DER89, Duf89e, DJ89, Duf89g, DGR<sup>+</sup>90, Duf90a, DS91, DGR<sup>+</sup>91, Duf91c, DS92, DMR92, Duf92, Duf93a, DR93, DS93b, DR94, Duf94d, DR95a, DMRV95, DS96c, DR96a, DS96a, DR96b, DS97a, DER97, DK97a, DS97b, DS98, DV98a, DK99b, Duf99c, Duf99a, DS99b, DS99a, DMRVxx, DV00, DK01, DV01b, Duf02b, DV02c, Duf02c, Duf04c, DS04b, DRV04, DS04a, DP04b, DS05b, DP05a, Duf09, DHL18, DL18, LLH<sup>+</sup>16,

LLH<sup>+</sup>17, Duf95, SAD<sup>+</sup>00, DS79, DVY00, DV01a, DHP01, DV02a, DV02b, DHP02]. **Sparsity** [DEGR88, Eva85, DR74]. **Special** [CDD87, CDH<sup>+</sup>97b, CDH<sup>+</sup>97a, TCJ<sup>+</sup>10, TBC<sup>+</sup>11, BD15, BBD<sup>+</sup>11]. **spectral** [CDG02, CDG03, DGLM03, DGLM05, SD04]. **Speed** [DDS00, Kow84, Kow84]. **square** [CDJ96b, CDJ98]. **Squares** [ADd89f, AD15, BD80, Duf90e]. **SSOR** [ADNR90b]. **St** [FF93, KP87]. **Stability** [DH92, AD09]. **Stabilized** [DS04a, DS05b]. **Stable** [DP07, DP05a]. **standard** [DHP02]. **state** [DDL92, DW97, Spe91, IP87]. **Static** [ADGP07, DP05a]. **status** [DH90, Duf90d]. **Stewart** [Duf10]. **stiff** [DN87]. **Stopping** [ADR91, ADR92]. **Strategies** [DP04b, DP05b, DP07, CDG00d, CDG00c, DDG<sup>+</sup>15]. **strategy** [DP05a]. **strong** [DK13]. **structural** [DG86, PB96, PT99]. **structurally** [DJ89]. **structurally-symmetric** [DJ89]. **structure** [DEGR88]. **structured** [ADD<sup>+</sup>94b, APSS98, DR94]. **structures** [Duf85c]. **Study** [KP87, ADLL01a, BDY09]. **subgraphs** [DK13]. **Subprograms** [BDD<sup>+</sup>02, DCDH87, BDD<sup>+</sup>01, DCDH88, DDDH89, DCHD90a, DCHD90b, DMRV95, DMRV97, DV98a, DMRVxx, DHP02]. **Subroutine** [Duf88b, DS96c, DS98]. **subroutines** [Duf77a, Duf80a, DR82b]. **Subspace** [DS93a, DS95, DS91]. **Summer** [KP87]. **Super** [Duf85a]. **Super-Calculators** [Duf85a]. **Supercomputers** [Duf84h, Duf90f, Duf91a, Duf85d, Duf90e]. **Supercomputing** [Ade92, Ano91, BBC<sup>+</sup>99, Duf87e, Duf88e, Sup90, Jap90, LP90, Car89, Duf90d, Duf89b, HPP88]. **Survey** [Duf77c, Duf84i]. **Sweden** [ESY84]. **symétriques** [ADL98c]. **Symmetric** [DR95b, DP05b, DP07, DU10, ADL98d, ADL00, CDGmM01, CDGmM02, CDGmM04, DRMN79, DR82b, DR83b, Duf84f, DJ89, DGR<sup>+</sup>90, DGR<sup>+</sup>91, DR94, DR95a, DR96b, DS97b, DS99b, DS99a, Duf02c, DP04a, Duf04c, DP04b, DP05a, Duf09]. **Symposium** [Ano91, DG89, DJKL92, DS79, GL80, GL84, CRI82, Duf82d]. **synchronization** [LLH<sup>+</sup>16, LLH<sup>+</sup>17]. **synchronization-free** [LLH<sup>+</sup>16, LLH<sup>+</sup>17]. **System** [ADd89f, Duf94b, Duf07]. **Systems** [ADD88, DDSv91, DP97, Duf72, Duf79b, DR95b, DvdV99, Duf99d, DP07, ACD<sup>+</sup>03, ADD93, ADD<sup>+</sup>94b, ADD89e, ADNR90b, AD90, BDG94, CDJ96a, CDJ96b, CDJ98, CDGmM01, CDGmM02, CDGmM04, DR76, Duf79c, Duf81a, Duf81e, DR83b, Duf84c, Duf84d, Duf84f, Duf89a, Duf91c, Duf92, Duf93a, DR93, DS93b, Duf93b, DGP94, DR94, Duf94c, DR95a, DR96a, DS96a, DR96b, Duf96b, DS97b, Dv99, DS99b, DS99a, Duf00b, Duf02b, Duf02c, DS02, Duf04a, Duf04c, DS04b, DP05a, DU12, ESY84, GD11, PA88, Duf95, Duf84a]. **Tarjan** [DR78b]. **Task** [ADV02, ADV04, ADV05, CDL20, DHL18, DL18]. **task-based** [CDL20]. **task-flow** [DHL18]. **TC** [ESY84, Fos79]. **TC200** [ADDM92b]. **tearing** [AD90]. **Technical** [DHP02]. **Techniques** [ADRS91, ADRS92b, CDGS03, CDGS05, ADRS92a, ADRS95, Duf79a, Duf80c, Duf81d, Duf82a, Duf87a, SAD<sup>+</sup>00]. **Technology** [Ame94]. **Tennessee** [DS79]. **Tenth** [Ano01]. **Test** [DCHD90a, DGL89, DGLP82]. **Their** [Duf81i]. **Theories** [BDW99, BDW01, BDRS12, BD15]. **Third** [MMO90, Hen82]. **Thirty** [KP87]. **Thirty-second** [KP87]. **three** [DD90a, DD90b, DD91]. **Threshold** [DDN20, DHL20]. **time** [DM11]. **tools** [Ano89, LP90]. **Topic** [DGdSU12, vdVBDP01]. **Toulouse** [ABD<sup>+</sup>99, DJKL92, DGDG97a, DGDG97b]. **transformations** [DR75]. **Transversal** [Duf81g, DKU11]. **Trends** [DK86, DvdV99, Duf99d, Dv99, Duf00b].

**Triangular**[DR78a, DU10, Duf77b, LLH<sup>+</sup>16, LLH<sup>+</sup>17].**Triangularization** [DR78b]. **tuning**[ADLL00, ADLL01e, ADLL01b]. **Tutorial**[DDS00]. **Tutorials** [Ano89]. **Tuusula**[Ano99]. **Two**

[DK91, ADLL00, ADLL01c, ADLL01d, ADLL01a, ADLL01e, ADLL01b, ADLL03a, ADLL03b, CDG02, CDG03, DGPV07].

**two-dimensional** [DGPV07]. **two-level**[CDG02, CDG03]. **TX** [ACM00, DKM<sup>+</sup>92].**type** [DN87].**unifrontal** [DD95a, DD97a, DD99a].**unifrontal/multifrontal**[DD95a, DD97a, DD99a]. **Universitie**[KP87]. **University** [Duf81i, IP87].**unstructured** [Duf92]. **Unsymmetric**

[DD92a, DD97b, Duf81f, DS93a, DS95, AD94, AD96, ADL98d, ADL00, DD93, DD94a, DD95a, DD97a, DD99a, Duf77a, Duf80a, Duf81c, Duf81a, Duf81e, Duf83b, Duf84c, DR84, DS91, DS92, Duf92, DR93, DS93b, DR96a, DS96a, DS02, DS04b, Duf95].

**Unsymmetric-Pattern**[DD97b, DD92a, DD93, DD94a]. **Untitled**[DW96, DK97b]. **update** [DDCH89].**Updated** [BDD<sup>+</sup>01, BDD<sup>+</sup>02]. **USA**[ACM00, Ame94, Sup90]. **Use**[ADD89b, ADD89d, ADD89c, ADGR90, DD88, DD90a, DD90b, DD91, DD96b, DD97c, Duf86b, Duf86c, DAGR87, DS94a, DK99a, ADD89a, ADD92, Duf81c, Duf82f, Duf84j, Duf85d, DNR87, Duf87f, DRS89, DS94b, DK97a, Duf09]. **User**[DGL92, DMRV97, DMR92]. **Uses** [Duf81i].**Using** [ADLK01b, AD09, DS93a, DS95,

DGLM03, DGLM05, DHL20, ADD93, ADLK99, CDL20, Duf81a, Duf81e, DS91, DHL18, DL18, PDW02].

**V** [BCRT92]. **VAPP** [BCRT92]. **VECPAR**[DP97]. **Vector** [BCRT92, DDP94, DD86a,

DDGM89, DDSv91, DP97, DR85a, DR85b,

Duf86a, Duf86b, Duf86c, DD90a, DD90b, DD91, DDLG92, DDLG93, DDP93, Duf82d,

Duf87c, Duf87f, DFT95, DP97, Duf82d].

**vectoriels** [DDLG92, DDLG93].**Vectorization** [AD89, Duf84b]. **Verona**[ES89]. **Versailles** [GL80, GL84]. **Version**[ADL98b, DD97d]. **VF**[DD88, DD89, DD90a, DD90b, DD91]. **VI**[GL84]. **Virtual**[ADDM95, ADDM92a, ADDM93]. **VLSI**[MC95]. **Volume** [CDD87].**W** [Duf84a, Duf10]. **whose** [DRMN79].**Wilkinson** [CDD87, GND<sup>+</sup>87]. **Within**[ADL98a, Hig90]. **work** [DR83a, DR83c].**Working** [ESY84, Fos79, DMR92].**Workshop**

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**Workshops** [Ano89, DGDG97a]. **World**

[Ame94].

**xxx** [DV02b].**Year** [DGDG97a, DGDG97b]. **York** [Sup90].**Zero** [Duf81b]. **Zero-Free** [Duf81b]. **zeros**

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