

Bibliography of the Book *Matrix Computations*

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Abstract

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$(A - \lambda B)x = 0$ [Sch74]. $^{-1}$ [KW87]. A [PW69, You72]. $A - \lambda B$ [Kåg85, Kåg86, TW70]. $A = 1 + H$ [Buc74]. $\{a_{ij}\}$ [Asp59]. $a_{ij} = 0$ [Asp59]. $AX + XB = C$ [BS72, GNL79]. $AX - XB^T = C$ [Bye84]. $Ax = \lambda Bx$ [Erd67, GUV72, MW68c, PW69, PW70a, Rod73, Ste72, Ste75b]. $Ay = \lambda By$ [TW72]. B [PW69]. ℓ [Hoc83]. H [Buc74]. ijk [OR88]. $j > i + p$ [Asp59]. k [NV83]. L_1 [BCS78, BR73, CP76]. L_2 [GV74]. L_∞ [BCC78]. M [Bar87, MdV77]. N [JH88]. $O(n^2)$ [Dor73]. R^N [Bjö88]. $\sum f_p(A)Xg_p(A)$ [WZ72]. $\|A^{-1}\|$ [Var76].

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F.L [Rut69]. **FACR** [Hoc83]. **Factor** [Gre52, Hot57]. **Factoring** [Ris73, Ser80].

Factorization

[AP86, Bis88b, BBDdH87, BBdH86, DGKS76, DD88, DSS86, Elm86, ER74, GH85, GH86, GHL86, GM76, GM86, HS86, Kie87, Luk86a, Man79, Mei83, Mer85, OS86, OR88, PJV87, SS79, ST86, Ste77b, Ste79a].

Factorizations

[Cha85, Cha87, CJZ83, GGMS74].

Factorized [Gol76]. **Factorizing** [Fle76].

Factors [GMS75, HH89]. **Far** [KP76]. **Fast** [CG73, Hig88c, HS88, Hoc65, MP74, Pai79b, Rat82]. **Few** [Cul78, Sco84]. **Fields** [Hen62].

Filter [Lev47]. **Find** [Blu78, Cra86].

Finding [Bud64, CM83, GWDF88, Van71].

Finite [Geo73, Gre81, Hal58, Tre64, Var72].

Finite-Difference [Var72]. **First** [Hea86].

Fit [Pea01]. **Fitting** [Dur60, Mad59].

Floating [Mol67, Ste81a]. **Flow**

[FG86, OS85]. **Form** [Aas71, Bus69, Cup83, Dem83b, Doo79, Giv58, GW76, KR80a, KR80b, MW68c, MW68d, MW31, Uhl76, Wat73, Wil78, Wil79, DHS87]. **Forms**

[DR75, GU70, OR88]. **Formulation**

[FNO87]. **Fortran** [Blu78, DCHH88a, DCHH88b, DE84, DH79, Hig88d, KW87, LHKK79a, LHKK79b, Ste76a]. **Found**

[Ruh87]. **Fourier** [Hoc65]. **Frequency**

[Lau81]. **Fully** [DS87a]. **Function**

[Eld85, Rin55]. **Functional** [Dav73].

Functions [BCS78, Des63, Fra64a, Fra64b,

Kåg77b, Mir60, Par74a, Par76, PT57].

Funzioni [Bel73].

Game [TW72]. **Gauge** [Mir60]. **Gauss**

[BR70, GW69, KP81]. **Gauss-Jordan**

[BR70]. **Gauss-Markov** [KP81]. **Gaussian**

[Boh75, Bro73, Bus71a, Coh74, CMR88, Cry68, DK77, DP88, HH89, Rei71a, Ske79,

Ske80, Sor85, Str69, TS87]. **General**

[Bjö84, FJL⁺88, Giv58, Kåg85, KP81,

Loa75a, MW68d, McC72, Pai85, Ruh69a, Swa79, Var68a, Var68b, Var70a].

Generalization

[GHS88, Gou70, Ruh68, You72].

Generalizations [BV68, FV62, Par74b].

Generalized [AL84, BG84b, CGO76, Cra73, Cra76, DT87, Doo81a, Doo81b, Eld83,

Eld85, ES82, ER80, FH72, FNP82, GHW79, JY83, JO77, Kåg85, KW87, KdV77, Kau74,

Kau77, Kau87, KF64, Loa73, Loa83, Loa85a, MS73b, Nas76, Pai79a, Pai79b, Pai85, Pai86,

PS81, PW70a, SS86, Sch66, Ste75b, Ste76b, Ste78, Ste79c, Ste83, Sun83, Swe74, Van71,

War81, YJ80, dV77, dV82a]. **Generalizing**

[CCL82, Loa76]. **Generate** [Uhl76].

Generation [AOU87, Ste80]. **Geometric**

[PP73]. **Geometrical** [Nic74]. **Geometry**

[AM65]. **Gershgorin**

[FV62, Joh71, Sco85, Ste75b, Var70b].

Gigaflop [DH86]. **Given** [OP64]. **Givens**

[Duf74, Gen73a, Gen73b, GH80, Ham74,

MC86, Rat82]. **Gleichungen** [Jac46].

Global [Har82, HP78, Par68, Wil68b].

GMRES [SS86, Wal88]. **Go** [KP76]. **Good**

[GHW79]. **Gradient** [Ada85, Ash87, AMS88, Axe80, Cli76b, CGM85, CGO76,

CW77, CW80, Eis84, FM84, Gin71, Gre81, JY83, Jen77a, JMP83, Jor84, Mel87, Meu84,

O'L76, O'L80a, Rod73, Sea86, Woz80, YJ80].

Gradients [HS52, Rei71b, Rei72, RW72b,

Ste75a, vdSdV86]. **Grain** [Bis88b]. **Gram**

[Abd71, Bjö67b, DGKS76, Ric66a, Ruh83,

Saa86]. **Gram-Schmidt**

[Abd71, Bjö67b, DGKS76, Ric66a, Ruh83].

Grands [GM83]. **Granularity** [CDH84].

Group [GM86]. **Growth** [DP88, HH89].

GSV [Pai84]. **GSYLV** [KW87]. **GSYLV-**

[KW87]. **Guang** [Pai84]. **Guide** [DBMS78,

GBDM72, Mol80, MLB87, SBI⁺70].

Hamiltonian [Bye83, Bye86, Loa84, PL81].

Hand [OP64, Saa87]. **Handbook**

[BE68, CL88, AL76]. **Hankel** [Phi71, Ris73].

having [Cox81]. **Havsbad** [KR83]. **HEP**

- [DH84, LO83]. **Hermite** [GP71].
Hermitian
 [AG87, AG88, BBI71, CM83, DT71, EY39, Gou70, Hen58, Kah67, Kah75, Mah79, Mue66, Pai74b, Sch79, Ste69, Ste76d].
Hessenberg [Bus69, Bus71b, GNL79, Gra86, Ike79, Loa82, MPW70, MW68b, MW68d, Par67, Par68, Ste76a].
Hessenberg-Schur [GNL79]. **Hestenes** [Han88]. **Hierarchical** [GJM87, GJMS88].
High [Bai88b, DKH86, DS86]. **Higher** [Var61]. **Higher-Order** [Var61].
Householder [BL87, BG67, BG65, CM88, Cup84, HL69, Kau79, Kau87, LH69, MW68a, Mue66, PR68, Rei67, SL89, Tsa75, Wal88].
HQR3 [Ste76a]. **Hybrid** [O'L76].
Hyperbolic [APP88, DI86]. **Hypercube** [Bis87, Dav86, Ebe87, FOH87, GH85, GH86, GWDF88, Hea86, Hea87, HHP88, Joh87a, KNP87, MvdV87]. **Hypercubes** [SS85a, SS85b, WAC⁺88]. **Hypermatrix** [NV75].
- IBM** [DD88, KL88]. **ICCG**
 [Ker82, PO87, dV82b]. **Identity** [Bre70]. **II**
 [Bjö68, BPS86b, Fra61, Fra64a, GV61, Hou68, MS78, OR88, Wra75]. **III** [DK70]. **III**
 [Dem87b, DK88, Eld77a, Eld84, Eld85, ES86, FH72, GW76, OS81, PW79, Ruh70b, Var73, Wil72]. **III-Conditioned**
 [Eld77a, Eld84, Eld85, FH72, GW76, PW79, Ruh70b, Var73, Wil72]. **III-Posed**
 [Dem87b, DK88, ES86, OS81, Var73].
ILLIAC [Luk80]. **Impact** [GJMS88, GR84].
Implementation
 [CVD88, DCHH88a, DSS86, Eis84, KL88, LO83, Mel87, MP85, Ruh79, Wal88].
Implementations [MvdV87].
Implementing [DGK84, DH86, Tsa75].
Implicit [Dub70, DMW68, Ste81b, Var61].
Implies [JW77, Ske80]. **Improved**
 [BR73, Cha82a, Cha82b]. **Improving**
 [Don83, DMW83]. **Inaccurate** [CR79].
Inclusion [Kah67]. **Incomplete**
 [CJZ83, Elm86, Man79, RW84a, RW84b].
Inconsistent [Axe80]. **Incorporating**
 [Ste70]. **Indefinite** [AG87, AG88, BG76, BP71, Fle76, PS75, Saa84]. **Independent**
 [Ste77c]. **Inequalities** [MM64]. **Inertia**
 [BK77]. **Inexact** [GO88]. **Influence**
 [Jen77a]. **Inner** [Win68]. **Integral**
 [JP71, Lan50, Sch09, Smi70]. **Integrals**
 [Loa78a]. **Interchanges** [Fos86].
Intermediate [SLN75]. **Interpretation**
 [CW80]. **Interpreting** [Jor87]. **Interval**
 [Yoh79]. **Intervals** [CW79]. **Introduction**
 [Bel70, Fox64, GK69, Lue73, Mir55, Ste73c, TA61]. **Invariance** [Ste84b]. **Invariant**
 [Dem87d, GLR86, MP82, Mir60, Par66, Ruh70a, Ste71, Ste76d, Var70a]. **Inverse**
 [Asp59, BG78, DGR79, Fri75, Fri77, FNO87, GK65, PW71, PW79, RW72b, Var68a].
Inverses
 [All73, Gau75a, GP73, GP76, Hen62, Ike79, Nas76, PW70b, Ste77a, Wed73b]. **Inversion**
 [BR70, GM86, Tre64, Tre74, Wat73, Wil61, Zoh69]. **Involving** [Hig88c, Loa78a].
Irregular [BD74, BDGG71]. **Isolated**
 [Ste75a]. **Iterates** [Hen62]. **Iteration**
 [CJ70, CJ71, JO71, JS75, Lan50, Man77, McK62, Par74b, PW71, PW79, RW72b, Rut69, Rut70, Ste69, Ste75c, Ste76d, Var68a].
Iterations [Arn51, PP73]. **Iterative**
 [Axe77, Axe85, BI75, BNP88, BS70, Bjö67a, Bjö68, BB71, BG67, Bun69, DGR79, Eva84, GO88, GV61, GW66, HY81, JW77, MPW66, McC72, MdV77, Mol67, NV83, Ple86, Ske80, Und75, Var62, Wac66, You71, YJ80, EN83].
IV [Fra64b, Luk80].
- J** [Pai84]. **J.-Guang** [Pai84]. **Jacobi** [AL76, AR85, BS86, Bis87, BG78, BG84a, BE68, BP75b, Ebe70, Ebe87, FH60, GH84, Han62, Han63, Hen58, HZ68, Hua75, KG83, Loi72, MP85, PT57, Ruh67, Ruh68, Rut66, Sam71, Sch64, SHW86, Sea69, SS87, Ste85, vK66].
Jacobi-Like [Sam71, Ste85]. **Jacobi-Type**
 [AL76, BE68, Ebe70, Hua75]. **JNF** [KR80a].

Jordan [BR70, Dem83b, GW76, KR80a, KR80b, Loi69].

Kogbetliantz

[Bai88a, CD87, CVD88, PD86]. **Kronecker** [Doo79, Kåg86, Wil78, Wil79]. **Krylov** [Saa81, Saa84].

Lanczos [CGP76, CD74, CW77, CW79, CW80, CW85b, CW85a, CWL83, ER80, Gol74, GLO81, GU77, GUW72, KP74, KP76, KdV77, Pai70, Pai76, Pai80, Par80a, PR81, PS79, PSS82, Ruh79, Saa80, Saa82, Saa87, Sco78, Sco79a, Sco79b, Sim84, Und75, Wid78, dV82a]. **Large**

[BPS81, Cul78, CD74, CW79, CW85b, CW85a, CW86, CWL83, Enr79, ER80, GL81a, GM76, HH89, Jen72, OS81, Pai71, PR81, Rei71b, Ruh74, Ruh79, Saa81, Saa82, Ste74, Ste76b, Und75, Van71, You71].

Large-Scale [BPS81]. **Largest**

[Cul78, CD74, PSS82]. **Latent** [GWM76].

Lattice [Cyb84]. **LDV** [GMS75]. **Least**

[Abd71, APP88, AK75, BNP88, Bau65, Bjö67a, Bjö67b, Bjö68, Bjö84, BG67, BG65, Cli73, Cox81, Cyb84, Eld77a, Eld77b, Eld80, Eld83, Eld84, Eld85, Gan81, Gen73b, GH80, Gol65, GKS76, GL80, GP73, GP76, GR70, GW66, GWM76, HL69, Huf87, Huf88, HV87, HV88a, HV88b, JO74, Kar74, KP81, LH69, LH74, Lin61, Loa83, Loa85c, Pai79a, Pai79b, PS78, PS82a, PS82b, PW70b, Ple74, PR68, Rei67, Saa86, SS79, Ste77a, Ste87, Wed73a, vdS75b, Dem87c]. **leichtes** [Jac46]. **Level** [DD88, DCDH88, KL88]. **Level-3** [DD88].

Levinson [Cyb80]. **Levinson-Durbin**

[Cyb80]. **Like** [Sam71, Ste85, Hig88c].

Limitation [Loa77a]. **Linéaires** [GM83].

Linear

[Abd71, AM65, ADD88, AC76, Axe77, Axe80, Axe85, BCC78, BCS78, BG76, BP75a, BR73, Bau65, Bjö67a, Bjö67b, Bjö68, Bjö84, BG67, BG73, BMPW66, Buc77, Bun76, Bun87, BK77, BP71, BG65, Cal86, CDH84,

Cli73, CP76, Cox81, Cra86, CM83, Cyb84, DJK⁺88, DCHH88a, DGK84, DH84, DH86, DS86, Doo81a, DR76, DS58, Eld80, ES86, Enr79, FF63, FF77, FM67, Fox64, GJM87, GJMS88, Geo74, GH80, GK69, Gol65, Gol74, GL79, GO88, GU70, Hag88, HL69, Hel76, Hel78, HS52, Hig85, ISS86, JY83, Joh87a, Kah66, Kan66, Kar74, Kat66, Ker82, Kog55, KP81, LV75, Lan50, Lan70, Lau85, LH69, LHKK79a, LHKK79b, Leo80, Lue73, Mah79, Mak75, MP74, Man77, MG76, MdV77, MP82, Mir55, NV83, ND77, OP64, Pai74a, Pai79b, Pai85, PS75, PS78, PS82a, PS82b, Par80a, PR70, Ple74, PR68, Rei67, Rei71b, Rei72, Rob77, Ros69, Saa81, Saa84, SS86, SK78, Sch09, SS79, Ste71, Ste73a, Ste77a, Ste77c, Ste81b, Sto73, Str88, Var73, Vet75, WAC⁺88, Wid78, Wil77, Wil78, WR71, You71, dBP77, vdS70, vdS75b, DCDH88, DCHH88b]. **Lines**

[Mad59, Pea01]. **LINPACK**

[CCL82, DBMS78, Bye84]. **Linpack-Style**

[Bye84]. **Local** [Cal86].

Local-Memory-Based [Cal86].

Logarithms [Hel68]. **Look** [Par80a]. **Loops**

[DH79]. **Low** [AG87, AG88]. **Lower** [Var75].

Lowers [Wat88, Dem87c]. **Lowest** [BS70].

LR [Fra61, MW68b, Wil65b]. **LSQR**

[PS82a, PS82b]. **LU** [Cha85, Dav86, DD88,

Elm86, PP73, WAC⁺88]. **Lyapunov**

[BS68, BN87]. **LZ** [Kau74].

m [Ada85]. **m-step** [Ada85]. **Machine**

[DGK84, Var68b]. **Macros** [LO83]. **Make**

[Sco79b]. **Manifestations** [Cot74]. **Markov**

[Bar87, GM86, KP81, SS76]. **Mathematical**

[FMM77, Hoa77, Ric81]. **MATLAB**

[Mol80, MLB87]. **Matrices**

[All73, AL76, AOU87, AG87, AG88, AR85,

AC76, Asp59, AP86, Bau63, BR68, BR70,

BBI71, BL87, BBdH86, BG78, BG84a,

BMRW68, Buc74, Bud64, Bun71b, Bun74,

Bun82, BGG88, Bus68, Bus71b, Cra86,

CM83, CD74, CW79, CWL83, Cup84, Cut72,

DT71, Des63, DGK84, DHS87, Dub70,

Duf74, DER86, DR75, Ebe65, Ebe71, EY39, FV62, FL74, FU69, Fle76, Fou84, Fri75, Fro65, FNP82, Gan59a, Gan59b, Gau75a, Gau75b, GWDF88, GLR86, GH59, Gou70, Gra86, GH84, GL81b, Har82, HLPW86, Hel68, Hen58, Hen62, Hig87c, Hou74, Hua81, Ike79, JO77, JS75, Joh71, JH87a, Kah67, Kah75, KP74, KPJ82, Kau87, KG83, LT85, Lem73, Loi69, Loi72, Lot56, Mah79, MPW70, MRW70, MW65, MW67, MW68b, MS73a, Mue66, MW31, Nic74, Osb60, Paa71, Pai71, Pai74a, Pai74b, PL81, Par66, Par67, Par68, Par74a, Par74b, Par76, Phi71, PT57, RB68, Ris73, RW72a, Ruh67, Ruh68, Ruh74, Ruh75, Ruh79, Rut66, Rut70, Saa86, SLN75, Sch79, Sea69, Ser80, Ste70, Ste75c, Ste76d, Ste80, Tre64, Tre74, TA61, Uhl73, Uhl76, Van71, Var70b, Var79, WAC⁺88, WG78, Wat73, Wil68a, Wil72, Wil84, vdS69, vdS75a].

Matrix [Aas71, AK75, AL73, Arn51, Bai88b, Bar87, BI75, BMW67, BS68, Bel70, BS70, BB71, BH83, BPS81, BG78, Bre70, BKP76, BR76, Bus69, BG69, CP77, CS87, CJ70, CMSW79, CL88, CMR86, Cul78, CL86, Dem83a, DK87, DSS86, DGR79, Duf77, DS78, ER88, Erd67, ER74, FH60, Fos86, FOH87, Fra64a, Fra64b, FG86, GBDM72, GH86, GK82, GPS76a, GGMS74, GM76, GMS75, Giv58, Gol69, Gol73, GK65, GL89, GLO81, GNL79, GT81, GV74, HS86, Hig86c, Hig87a, Hig88b, Hig88d, Hig88e, Hig89, HS88, Hou58, Hua75, HVH87, Jen77b, Joh86, JH88, JP71, Kåg77a, Kåg77b, KR80a, KR80b, KR83, Kau79, Kau83, Kog55, KM86a, Lan70, Lew77, Loa75a, Loa75b, Loa77a, Loa77b, Loa78a, Loa78b, Loa84, Loa85b, Luk78, MRK76, MM64, MPW65, MW68a, MW68d, MdV77, Mod88, Mol86, ML78, MS73b, O'L80b, OS85, OS86, Ort88, Pai73, Pai76, Pan84, PR69, PR70, Pry85, Ric81, Rin55, Ris73, Rod73, Ruh69a, Ruh69b, Ruh70b, Ruh78, Ruh87, Sch68, Sco84, Sco85, SB79, Smi67, SBI⁺70, Ste69, Ste73c, Ste76a, Ste77b, Ste85, Sun82, TG81, TW72, Var62, Var68a, Var68b, Var70a, Var75, Vet75, War77, Wat88, Wil61, WZ72, Wra73, Wra75, Zoh69, Hig86b]. **Max** [Bun71b]. **Max-Norm** [Bun71b]. **Maximizing** [PT57]. **Means** [Ruh70a]. **Measure** [Pry84]. **Measurement** [Coc68]. **Measurements** [HN81, Jor87]. **Measures** [Ebe65]. **Mechanics** [BW73]. **Memory** [Cal86, EHHR88, GJM87, GJMS88, GHL86, HR88, JH87a, KNP88, LC88, Mol86, PJV87]. **Mesh** [BLL85, Geo73]. **Method** [Abd71, AL76, AR85, Bar71, BCC78, BMW67, Bis87, Bjø87, BH83, BG84a, BE68, Bun71a, Cli73, Cli76a, CGP76, CJ71, CGM85, CGO76, Cup81, DF76, Ebe70, Ebe87, ER80, FM84, FH60, Gin71, GHW79, GLO81, GNL79, GU77, Gup72, Han87, Han88, Har82, HS86, Hig86c, Hua75, Jen77a, JO71, KW87, Lan50, Lin61, Loa84, Loa85c, Loi72, Luk86a, MP74, MdV77, Meu84, MP85, Mue66, Nas75, Pai73, PJ84, PW79, PT57, PR68, Rei71b, Rod73, Ruh67, Ruh68, RW72b, Rut66, Rut69, Rut70, Saa87, Sch74, SS79, Sea69, Ste75a, Ste83, Und75, Wal88, Wid78, vK66]. **Methods** [Ada85, Ash87, AMS88, Axe77, Axe80, Axe85, AP86, BNP88, BW73, BR70, BV68, BG73, BP75b, Bun76, Bun85, BK77, BP71, BGN70, Cli76b, CG73, Dem87d, DS83, DER86, DR76, EN83, Eis84, Eld77b, Eva84, FF63, FMM77, FNO87, GGMS74, GMS75, Gol65, Gol76, GO88, GV61, HY81, Han62, Han63, Hen58, Hes80, HS52, Hot57, JY83, JH87b, KMN88, Kau83, KF64, Loa83, McC72, Mel87, Meu89, NV83, O'L80a, OR88, PO87, Ruh74, Saa80, Saa81, Saa82, Saa84, SS87, Sim84, Ste73a, Ste75c, Van71, Var61, Wil61, You70, YJ80, dV82b]. **Metric** [Gol76]. **MGS** [Ple74]. **MIMD** [CMR88]. **Minimal** [SS86, Var70b]. **Minimization** [BCS78]. **Minimized** [Arn51]. **Minimum** [CL86]. **Mirsky** [GHS88]. **Missized** [FG86]. **Model** [DCHH88a, KP81, Pai85]. **Modelling** [AC84]. **Models** [Dur60, HS66, SS76]. **Modern** [Wil71].

Modes [CGP76]. **Modification**[AGG88, BNS78]. **Modifications** [Ham74].**Modified**

[BG84a, EHHR88, Gol73, MW68b, Sea69].

Modifying [GGMS74, GMS75]. **Moments**[Hou68]. **Monitoring**[Bus71a, ER74, KdV77]. **Monitors** [LO83].**Most** [DE84, DKH86]. **MP**[CDH84, DH86, Sea86]. **Multicolor** [PO87].**Multidimensional** [GP70]. **Multiple**[JH87b, Wil68a]. **Multiplication** [Bai88b,

Bre70, CS87, FOH87, MRK76, Pan84].

Multiplications [PS73]. **Multiplicative**[Fri75, Pry85]. **Multiplying** [JH87a].**Multiprocessing** [CDH84].**Multiprocessor**

[BS86, BL85, Dav86, GH85, GWDF88, GH86, KNP87, LC88, LPS87, PJ84, PJV87].

Multiprocessors [EHHR88, Hea86, Hea87, HR88, Joh87a, JH87b, Mol86].**Multitasking** [DH86]. **Multivariable**[Lau81]. **Multivariate** [Ham85, Hot57].**Narrow** [Joh85]. **Near** [Loa85b]. **Nearest**[Dem87b, Hig88b]. **Nearly**[Cha84, Kah75, Ste81b]. **Nearness**[Hig85, Hig88e]. **Necessary** [FM84, PS73].**Neighboring** [Wil84]. **Nested** [Geo73].**Networks** [HI83]. **Newer** [Hot57]. **Newton**[BR68, Hig86c, PW79, RB68]. **Nineteen**[ML78]. **Non** [BS70, Bun69, Ebe65, EY39,GK69, Hen62, Ste76d]. **Non-Hermitian**[EY39, Ste76d]. **Non-Iterative** [Bun69].**Non-Normal** [Hen62]. **Non-normality**[Ebe65]. **Non-Self-Adjoint** [GK69].**Non-Symmetric** [BS70]. **Nongeneric**[Huf88]. **Nonhermitian** [Ste85]. **Nonlinear**[DS83, GP73, GP76, Lue73]. **Nonlinearly**[Hea78]. **Nonnormal**[KPJ82, Par74b, vdS75a]. **Nonnormality**[Loi69]. **Nonscalar** [PS73]. **Nonseparable**[CG73]. **Nonsingular** [Uhl76].**Nonsymmetric**

[Hou58, Man77, Saa84, SS86, Wid78].

Nonsymmetrizable [JY83, YJ80]. **Norm**

[BP75a, Blu78, BE68, Bun71b, Des63, Ebe70, Gau75a, Hig88d, Ruh69b].

Norm-Reducing [BE68, Ebe70]. **Normal**

[CGP76, GH59, Hen62, Hua81, KR80a,

KR80b, Loi72, Ruh67, Ruh75, Ruh87].

normality [Ebe65]. **Norms**[BF60a, BF60b, HZ68, Mir60]. **Notations**[AS83]. **Note** [Bai88a, BBI71, BBDdH87,

Buc74, Bun82, Coh74, Dub70, Eld85, GW66,

Ham74, Kie87, Loa78b, Pai84, Rei67, Rei71a,

Ruh78, Ste79b, Sun82, Tsa75, Wil72]. **Null**[Fos86, Ste84b]. **Number**

[Bro73, CMSW79, CR83, Dem83a, GL81b,

Han88, Hig87c, PS73, Saa86, Hig86b].

Numbers [AR85, CP77, FL74, Lem73,Loi69, O'L80b, Smi67, vdS69]. **Numerical**

[BG73, Bun87, Bus71a, CdB80, CG73,

CGO76, Cyb80, Cyb84, Dem83b, Dem84,

Dem88, DS83, Eld77b, Enr79, ER80, Fox64,

FNO87, GP70, GR84, Gol65, Gol74, Hag88,

Hea78, Hel78, Hig85, Hou74, IP87, JW77,

Kåg77b, KR80a, KR80b, Kah66, KMN88,

Lau85, Mil75, Ort72, Pai81, Ruh69a, Ruh83,

She55, Ske79, Ske80, Ste74, Var73, War77,

Wil77, dV77]. **Numerically**[Bus71b, GH84, Pai79b]. **Numerique**[GM83]. **numerisch** [Jac46].**O.** [Enr79]. **Oblique** [Gre52, Saa82].**Observation** [Lin61]. **observations**[Cli76b]. **Oceans** [CGP76]. **Odd** [Joh84].**Odd-Even** [Joh84]. **One**

[BNS78, Hig88d, McC72, Nas75].

One-Norm [Hig88d]. **One-Sided** [Nas75].**One-Step** [McC72]. **Operations**[Dor73, ER88]. **Operator** [BN87, FL70].**Operators**

[DS58, GK69, HZ68, Kat66, Lan50, Ste71].

Optimal

[AC76, BI75, Cha88, MS73a, Str69].

Optimale [Leh63]. **Optimally**

[Bau63, Bus68, FL74, Gau75b].

Optimization

- [CW80, DS83, Gol76, Hea78, Hes80].
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[Mer85, PNO85]. **Truncated** [Han87].

Truncation [Kar74]. **Tutorial** [Mak75].

Two [Bis87, Bud64, Cra86, CM83, Fro65, HLPW86, Uhl73, Var79, Dem87a].

Two-Dimensional [Fro65]. **Two-Sided**

[Bis87]. **Type**

[AL76, Axe80, BE68, Ebe70, GP71, Hua75].

Unconstrained [DS83, Gol76]. **Undamped**

[JO71]. **Underdetermined** [AL85, CP76].

Underflow [Dem84]. **Undersized** [Sch86].

Understanding [Wat82]. **Unicomputers**

[Hoc83]. **Uniform** [Cli76a]. **Uniprocessor**

[Cal86]. **Unit** [FG65]. **Unitarily** [Mir60].

Unitary

[AM65, Fra61, Fro65, Giv58, Gra86, Hou58].

Unrolling [DH79]. **Unstable** [Loa85b].

Unsymmetric [Axe80, CJ71, GWDF88, GL79, JO77, MW67, Saa81, Saa82, You70].

Updating

[Bjö84, Cup84, DGKS76, PNO85, ST86].

Upper [Ste76a]. **Usage**

[LHKK79a, LHKK79b]. **Use**

[Cli76b, CG73, DD88, DGR79, GJM87,

Huf87, Pai70, PNO85, Rei72, Saa84]. **Used**

[RW72b]. **User** [Mol80]. **Users**

[DBMS78, MLB87]. **Uses** [Gol74]. **Using**

[Bre70, BLL85, CM88, CGP76, DH86,

Ebe87, ER88, Fos86, GWDF88, GH80,

GM86, Hoc65, HV87, JH87a, Loa82, PT57,

SHW86, Sea69, Wal88].

Validation [Eld85, GHW79]. **Value**

[AK75, Bai88a, Bar87, BS86, Bis88a, BL85, BLL85, BGG88, BG69, Cha82a, Cha82b, CVD88, Cup83, FU69, GR70, Ham85, HN81, Kåg85, Loa76, Loa85a, Luk80, MM83, Nas75, Pai85, Pai86, PD86, PS81, Sch86, Ste83, Ste84a, Sun83, Var75, Wed72]. **Values**

[CWL83, Don83, Eld83, FG65, FH60, GK65, GLO81, GU70, Hen62, HVH87, Loa73, Lot56, Luk86b, Ruh75, Ste79b, Ste84d].

Vandermonde

[BE73, BP70, GP70, GP71, Gau75a, Gau75b, GT81, Hig87b, Hig88c, TG81, dV77].

Vandermonde-like [Hig88c]. **Variable**

[Gol76]. **Variables**

[GP73, HV87, Mad59, Ste77c]. **Variant**

[dV82b]. **Variation** [Hen62]. **Vector**

[AP86, Bis88a, Blu78, DGK84, DGR79, Hal58, Jor84, MRK76, Mel87, Meu84, OV85, PO87, Sch87, Vet75]. **Vectorizable** [dV82b].

Vectorization [Buz86, Ker82]. **Vectors**

[BN87, CWL83, GLO81, Pry84, Ruh83,

Ste84b]. **Verfahren** [Jac46]. **Very**

[Pai71, Ruh70b, Wil72]. **VF** [DD88, KL88].

VF/400 [KL88]. **Vibration** [JO71]. **VLSI**

[CS87]. **Vol** [FJL+88]. **Volume**

[CW85b, CW85a]. **vorkommenden** [Jac46].

W.F [Zoh69]. **Ways** [ML78]. **Weak**

[Bun87]. **Weighted** [Bau65, Eld83].

Weighting [AC76, Loa83, Loa85c]. **Weiner**

[Lev47]. **Which**

[Asp59, Bus68, MdV77, Dem87c, Wat88].

Whose [GP73, PR70]. **Winograd** [Bre70].

Without [Gen73b, Ser80, CP77, Fos86].

WR [Rut58]. **WY** [BL87, SL89].

X [CDH84, DH86, Sea86]. **X-MP** [Sea86].

X-MP-2 [CDH84]. **X-MP-4** [DH86].

Young [GHS88].

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