

# A Bibliography of Publications of *Alston Scott Householder*

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## Abstract

This bibliography records publications of Alston Scott Householder.

## Title word cross-reference

**\$0.65** [P.71]. **\$0.65.** [Rhe72]. 1 [Rol90]. **\$10** [Hou63b]. **\$12.50** [Hou44a, Hou63c]. **\$17.00** [Hou60a]. 2 [Rol90]. **\$2.50** [Hou47b]. 3 [LSA13, WZBW18]. **\$3.00** [P.71, Rhe72]. **\$4.00** [I.75]. **\$6** [Nel54]. <sup>31</sup> [PVB<sup>+</sup>92]. *J* [SB16, dIRMP12]. *L*<sub>2</sub> [Yan89]. *L*<sub>∞</sub> [Yan89]. *Λ*<sub>S</sub> [MPT12]. *LS* [EVZP99, EVZP00, RT96]. *M* [FH59]. **G** [MMT04]. *N* [DZY18, Hou42d]. *qd* [Hou71e]. *QL* [RH99]. *QR* [BDG<sup>+</sup>14a, BDG<sup>+</sup>15, BM85, CM97, CH97, CH98a, CH98b, DHHR08, DHHR09,

DBG<sup>+</sup>13, DTZ96, EG02, FYZ08, FIY15, He11, Hec95, KI17, KYP13, LMM96, MOHvdG15, MOHvdG17, MVC<sup>+</sup>16a, MVC<sup>+</sup>16b, MVC<sup>+</sup>18, MB84, MYZ12, OW90, Rol90, RZ99, SEAA08, VM03a, VM03b, XWW07]. *QS* [Str09b, Str09a]. *SR* [AB12, SAA09, SAAE08, SAA14]. *U(N)* [IKV06, IKV07]. *φ* [Gu83]. *VGMRES(m)* [Xu00]. *WY* [BV87, Pug92, SV89].

**-D** [LSA13]. **-decomposition** [KI17]. **-Dimensional** [DZY18]. **-Hessenberg** [SB16]. **-Householder** [Str09a]. **-like** [SEAA08]. **-matrices** [FH59]. **-reflectors** [MMT04].

**10th** [KM91]. **11/27/1978** [BGHS79]. **135** [Sch69]. **16th** [Hou79]. **17th** [HWG98]. **190** [CM08]. **1955** [Hou56d, Hou56k]. **1956**

[Hou56e]. **1957** [Hou59b]. **1958** [Hou59b].  
**1964** [HC54, HC65]. **1967** [DH69]. **1972**  
 [Ano72]. **1997** [HWG98]. **19th** [Hou79].

**2007** [SM07]. **2009** [May09].

**3** [Gu83]. **34** [H.70]. **34-** [H.70].

**4/21/1909** [BGHS79]. **48** [Ber90].

**60** [BHO<sup>+</sup>67, GHL67]. **63-2** [New65].

**83b** [Gu83]. **860** [Zhu92]. **'88** [ML88].

**A.** [Hou61a, P.71, Rhe72, Ste79]. **Absolute**  
 [BH61]. **Abstracts** [CG93, Bau74].  
**Accelerating** [YL12]. **Acceleration**  
 [MVC<sup>+</sup>16b, MVC<sup>+</sup>18]. **accommodation**  
 [Hou44c]. **Accumulating** [JLQO<sup>+</sup>06].  
**Accuracy** [LL97a]. **accurate** [pWqSmZ14].  
**Achieving** [MVC<sup>+</sup>16a]. **ACM** [Hou56k].  
**acoustic** [HCB15]. **active** [Hec95]. **activity**  
 [Hou41c, Hou41d, Hou41e, Hou42d].  
**Actualités** [Hou35]. **adaptation**  
 [Luo00, dCWA02]. **Adaptive**  
 [Att05, JA14, LS09, Att06, Cio90, Dou00,  
 RT96, WZ18, YSLZ13]. **Addition** [Hou42b].  
**Address** [Hou56k, Hou57c]. **Adjacent**  
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 [Hou41a]. **again** [Hou74d]. **age** [Hou49a].  
**Alamos** [Ano72]. **albumin** [PVB<sup>+</sup>92].  
**Alfred** [Hou42a]. **Algebra**  
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**Algebraic** [Hou54b, HA71, Wil60, CLF10,  
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 [Hou61a]. **ALGOL**  
 [BHO<sup>+</sup>67, GHL67, BG67, Nof10].  
**Algorithm** [Att05, Ber90, BS91, Bow11,  
 BKK18, DZY18, FIY15, HL69, Hou70f,  
 IADM<sup>+</sup>10, LMV18, MVC<sup>+</sup>16a, MVC<sup>+</sup>16b,  
 MVC<sup>+</sup>18, MM94a, MM94b, VM03a, VM03b,

AMACH00, Att06, Bro87, BKK17, CRPZ92,  
 Cui13, Dry92, Hec95, Hou71a, Hou71c,  
 Hou71e, Hou73c, Hou74a, HD91, KCN99,  
 LXYW09, LY90, LHY92, LL97b, MS76,  
 MS78, MYZ12, RH99, RS05, RT96, SAS10,  
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**Algorithms** [CB90, DTL15, HDT<sup>+</sup>15,  
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 Wil75c]. **am** [Bau74]. **AMP** [PVB<sup>+</sup>92].  
**analogues** [MMT04]. **Analyse** [Hou63a].  
**analyses** [Ger84]. **Analysis** [ABS<sup>+</sup>07, BS91,  
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**anti-jamming** [WWK04a, WWK04b].  
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 [FYZ08, Hou49b, SM13]. **approaches**  
 [SEAA08]. **approximants** [Pet13].  
**Approximate** [Hou58a, Rus18, Hou60a].

**Approximation** [HY38, Yan89]. **Approximations** [HHW55]. **April** [Hou73a]. **ara** [PVB<sup>+</sup>92]. **ara-AMP** [PVB<sup>+</sup>92]. **Arbitrary** [ABS<sup>+</sup>07, IV07, IKV06, IKV07, IV08]. **Architecture** [MVC<sup>+</sup>16a, MVC<sup>+</sup>16b, MVC<sup>+</sup>18, KYP13, PSS97, SAS10]. **Architectures** [VM03a, VM03b, TLHY92]. **arise** [DH55]. **Arithmetic** [KM91]. **ARM** [YL12]. **Arnold** [Hou40e]. **Arnoldi** [Bag08]. **array** [TLT91, TLHY92]. **arrays** [TLT91]. **arrival** [HCB15]. **article** [Gu83]. **articles** [Wil75b]. **Ashby** [Hou53a]. **Aspects** [DH69, HA37, SAA09]. **associated** [CLF12, RMP18]. **associative** [LC91]. **Augmented** [Bag08]. **August** [Hou59b]. **Authors** [P.71, Hou69, Hou70c]. **Auto** [TW16]. **Auto-Encoders** [TW16]. **automata** [Hou63b]. **Automatic** [FIY15, Sch69, Sch70]. **aux** [Hou59a]. **Available** [P.71, Rhe72]. **Award** [Ano77a, Ano83, Ano86, Ano95, Ano98a, Ano98b, Ano98c, Ano98d, Ano78, Ano80, Wil75a, Ano69, Ano73, H.S73, Wil78, Ano77b]. **axial** [Hou42c].

**B** [H.70, Sch70]. **B4** [Kor15]. **Backward** [MYZ12]. **balanced** [FD87]. **Band** [Rei67, Sch69, Sch70, Wan87]. **Banded** [Irv11, Irv12, CK02]. **banks** [KKM<sup>+</sup>96]. **Based** [BS91, BKK18, DHWZ09, IADM<sup>+</sup>10, JZZ08, LZ12, Pug92, RT08, RGPH16a, RGPH16b, XWW07, AMACH00, ABS<sup>+</sup>07, Att05, Att06, BKK17, Cui13, DV00, DV03, HCX12, HMA18, HZLW10, HCB15, Kor15, KYP13, LWZZ16, LXYW09, Liu93, LSA13, NO97, RDB05, RT96, SAS10, SL06a, SL06b, Suz15, WWX07, WZ18, WWK04a, WWK04b, Wri06, pWqSmZ14, YSLZ13, YH11, ZL10]. **Basis** [SH50, WZBW18, SH51]. **Batched** [DTLD15, HDT<sup>+</sup>15]. **Bauer** [Sch69, Sch70, MB96]. **Bayesian** [Ger84, Kor15]. **beamformer** [Kor15]. **beamforming** [YSLZ13]. **Behavior** [Hou51a, Hou63b]. **Belge** [Hou63a]. **Benster** [Hou60a]. **Berechnung** [Hes42]. **Berücksichtigung** [Sch69, Sch70]. **besonderer** [Sch69, Sch70]. **best** [Yan89]. **between** [SAA14]. **Bezoutians** [Hou70a]. **Bi** [Str09a, Str09b]. **Bi-SVD** [Str09a, Str09b]. **Bibliography** [Hou55d, Hou56h]. **Bidiagonalization** [LS09, PSS97, SL06a, SL06b, YL12]. **bidirectional** [LC91]. **Biennial** [HWG98]. **Bigradients** [Hou68a, HS69b, Hou74a, Hou68b, Fra72, Gre72]. **Binary** [HS58]. **binocular** [Hou47b]. **Biochemistry** [Hou44a]. **biological** [WH41]. **biology** [Hou49b, Hou41a]. **Biophysics** [Fit46, HL44, Rei47, Ski46, Hou41b, Hou46]. **bisection** [Her83]. **Bisektion** [Her83]. **BLAST** [JZZ08]. **blind** [YH11]. **Block** [BNP93, DTL15, HDT<sup>+</sup>15, RZ99, Bag08, Dub88, GLZ93, LHY90, LY90, LHY92, RS05, YC97]. **Blocking** [DQ18, FYZ08]. **Bodewig** [Hou57a]. **Body** [WZBW18]. **Book** [Fit46, Fle55, Fra72, GMS<sup>+</sup>76, Goh54, Gre72, H.70, Hou40d, Hou40e, Hou41a, Hou42a, Hou49b, Hou51a, Hou52, Hou53a, HHW55, Hou55e, Hou55f, Hou56a, Hou56b, Hou57a, Hou59a, Hou60a, Hou61a, Hou63a, Hou63b, Hou63c, Hou67, Hou70b, Hou71b, HA71, Hou79, I.75, Nel54, P.71, Rei47, Rhe72, Sch69, Sch70, Ski46, Var66]. **Boreholes** [WZBW18]. **Borgman** [Hou42a]. **borne** [LXYW09]. **Bossett** [Hou61a]. **Bounds** [New65]. **Brain** [Hou53a]. **Brigadients** [Hou71f]. **Bryan** [Hou64c, Hou75b, Hou06b].

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- F** [Sch69, Sch70]. **F.** [Sch69, Sch70]. **Face** [He11, SAS10]. **factor** [Hou44c]. **Factorial** [YH40]. **Factoring** [CB90, CB89, HS69a].
- Factorization** [BS91, CM97, CH97, CH98b, DTL15, HDT<sup>+</sup>15, He11, HS71, LMM96, MOHvdG15, MOHvdG17, MVC<sup>+</sup>16a, MVC<sup>+</sup>16b, MVC<sup>+</sup>18, MB84, PR87, VM03a, VM03b, XWW07, AB12, BM85, CH98a, DTZ96, KKM<sup>+</sup>96, OW90, PR89, RZ99, SAA09].
- Factorizations** [FIY15, Uri10]. **Fading** [ABS<sup>+</sup>07, JZZ08]. **Fast** [DQ18, IADM<sup>+</sup>10, RGPH16a, RGPH16b, Cio90, Fie01]. **Fault** [TKV15, TKV16]. **Fault-tolerant** [TKV15, TKV16]. **Few** [Rus18]. **fiber** [Hou41c, Hou41d, Hou41e, Hou42d]. **Fiedler** [pWqSmZ14]. **Fifth** [Ano72, SM07]. **Filter** [JA14, WWK07, Cio90, HZLW10, KKM<sup>+</sup>96, YSLZ13, dCWA03]. **filtering** [LHY90].
- filters** [Cio90, GL06]. **Final** [Ano77a, Ano77b]. **find** [LSA13]. **finding** [CLF10, CLF12]. **finite** [FWW06]. **Finsler** [Hou35]. **FIR** [IADM<sup>+</sup>10]. **Fit** [Hou40c, Hou40b]. **Fitting** [Hou50a, EVZP99, EVZP00, GBCW89, LXW09].
- fixed** [SAS10]. **Florida** [ML88]. **Flow** [TW16]. **Focal** [Hou37c, Hou37d, Hou36].
- Folley** [Hou42a]. **Fondés** [Hou35].
- Foreword** [Wil75c]. **form** [Dub88, GN86, LWZ90, Wan87]. **forms** [CLF12, Hou41b, Hou42c]. **formula** [LWZ90]. **Formulas** [Hou42b]. **formulation** [EVZP99, EVZP00]. **Forsythe** [Hou73a].
- FORTRAN** [Mue66a]. **Four** [Suz15].
- Four-channel** [Suz15]. **Fox** [MS78]. **FPGA** [SAS10]. **FPGA-based** [SAS10]. **fraction** [Pet13]. **Fractionally** [IADM<sup>+</sup>10].
- Fractionally-Spaced** [IADM<sup>+</sup>10]. **frames** [FWW06]. **Framework** [DTLD15, HDT<sup>+</sup>15]. **France** [KM91]. **free** [CM08, NTKN16, NG07]. **frequency** [EVZP00, HBC17, ZL10].
- frequency-domain** [HBC17]. **Frobenius** [Hou71e]. **fully** [NS10]. **function** [FD87, Gu83]. **Functions** [Hou71d, WZBW18, CLF12, GBCW89].
- Fundamental** [DH69]. **fuzzy** [MNS08, NS10, SM13].
- G** [H.70, Hou59a]. **Garnir** [Hou59a].
- Gatlinburg** [Ano72, Bau74, MB96, Mol13, Var90].
- Gatlinburgs** [Hou74b]. **Gauthier** [Hou63a].
- Gauthier-Villars** [Hou63a]. **générale** [Hou59a]. **Généralisés** [Hou35].
- generalization** [Gu83, Tan81].
- Generalizations** [Hou71a, Hou71c, Hou73c].
- Generalized** [Att05, Kau87, LMV18, LA13, NLJ13a, NLJ13b, NLSJ17, Xue83, Att06, GBCW89, HXC12]. **Generated** [Hou56c, Hou56i, Hou58d].
- Generation** [FWW06, Hou54c, Hou55a]. **Geological** [WZBW18]. **geometric** [LSA13, SEAA08].
- Geometry** [EH15, Hou53c]. **George** [Hou73a]. **German** [Dry92, Her83, Hes42, Ost56, Hou55e].
- Germany** [Bau74]. **Gerschgorin** [HVW70].
- Gersgorin** [Bre68]. **Gestalt** [Hou39a].
- Givens** [DV00, DV03, GL87, PR87, PR89, RW62, Tan82, YJ01, ZXLL17].
- Gleichungssysteme** [Hes42]. **GMRES**

[HW86, SAW98, Wal88a, Wal88b].

**Goldstine** [Hou79]. **Goodness**

[Hou40b, Hou40c]. **GPU**

[DTLD15, HDT<sup>+</sup>15]. **GPU-Resident**

[DTLD15, HDT<sup>+</sup>15]. **Graeffe** [Hou59c].

**Gram**

[AB12, Dax04, LL97a, OW90, SAA14].

**Graph** [EH15]. **Graphics** [DQ18]. **graphite**

[Hou49a]. **graphs** [LBM90]. **Greece** [SM07].

**Greenhood** [Hou40b]. **Grenoble** [KM91].

**grid** [SM13]. **Groboillot** [Hou61a]. **Group**

[BFH52, GH46, GH47, RH41]. **Groupes**

[Hou35]. **growth** [Hou43b, KH54].

**Grundlehren** [Sch69, Sch70]. **Gupta**

[CM08].

**H** [BH87, Fit46, H.70, Hou57b, Hou59a, Hou79, Rei47, Sch69, Sch70, Ski46, MSV09].

**H-LLL** [MSV09]. **H.** [H.70]. **Hadamard**

[Hou74d, Suz15]. **Handbook** [Sch69, Sch70].

**Hankel** [HS69b]. **Hayward** [HHW55].

**Heat** [EH15]. **Held** [HFG51]. **Herland**

[Hou55e]. **Herman** [Hou79]. **Hermite**

[WZBW18]. **Hermitian**

[Mue66a, Mue66b, SSY96]. **Hessenberg**

[Hou64c, Hou75b, Hou06b, BKK17, BKK18, Dub88, SB16].

**Hessenberg-Triangular**

[BKK18, BKK17]. **Hg** [Sch70]. **High**

[DHHR08, DHHR09, VM03a, VM03b, vdGV11, AAHVR17, EVZP99, EVZP00, KYP13].

**high-frequency** [EVZP00].

**High-performance** [vdGV11]. **high-speed**

[EVZP99, KYP13]. **Higher** [Hou60a]. **Hill**

[Hou63c, Nel54, Hou44b]. **Historical**

[Bla63, Hou72c, Hou74c]. **History**

[Hou79, MHR80, Nas90]. **Hit** [Hou50a].

**home** [SM13]. **homotopies** [Wri06].

**Honoring** [Wil75c, Wil75b]. **Honour**

[BRSS94, Sca74]. **Hopfen** [Bau74].

**horopter** [Hou40g]. **Householder**

[Ano69, Ano73, Ano77a, Ano77b, Ano80, Ano83, Ano86, Ano95, CM08, Dry92, Fit46, Fra72, Gre72, Gu83, I.75, Nel54, NO97, Ost56, P.71, Rei47, Rhe72, H.S73, Sch69,

Sch70, Ski46, Var66, Wil78, AMACH00, AB12, ABS<sup>+</sup>07, AAHVR17, AJI88, Ano78, Ano98a, Ano98b, Ano98c, Ano98d, Arm87a, Arm87b, Att05, Att06, BEH12, Bag08, BL70, BDG<sup>+</sup>14b, BDG<sup>+</sup>14a, BDG<sup>+</sup>15, Ber90, BV87, BG67, BS89a, BS89b, BS91, BNP93, Bow11, BM85, Bre68, Bri92, Bro87, BKK17, BKK18, BB08, BG65, CRPZ92, CSR10a, CSR10b, DWA99, CM97, CG93, CUSR88a, CUSR88b, CK02, CKL01, CY97, CV94, Cic92, Cio90, CLF10, CLF12, CH97, CH98a, CH98b, Cui13, Cup84, CB89, CB90, Dan76, Dax04, DS76, DHHR08, DHHR09, DBG<sup>+</sup>13, DHWZ09, DV00, DV03, Dja06].

**Householder**

[DTZ96, DQ18, DTLD15, Dou00, Dru99,

Dry92, Dub88, Dub00, Dur54, EVZP99,

EVZP00, EG02, FD87, FL99, FWW06, Fie01,

Fle55, For54, FYZ08, FIY15, GL06, GLZ93,

GN86, GL87, Ger84, Goh54, GBCW89, HB12,

HDT<sup>+</sup>15, HCX12, HL69, Hay66, He11, Hec95,

Her83, HMA18, HW86, HD91, HD95, HP93,

HZLW10, HCB15, HBC17, Irv11, Irv12,

IADM<sup>+</sup>10, IKV06, IKV07, IV07, IV08, JA14,

JZZ08, JLQO<sup>+</sup>06, KKM<sup>+</sup>96, Kau79, Kau87,

KI17, KZ76, KCN99, Kor15, KYP13, KT77,

LMM96, LC91, LA13, LWZZ16, LXYW09,

LWZ90, LHY90, LY90, LHY92, Liu93, LS09,

LZ12, LL97a, LSA13, LL97b, Luo00, Ma97,

MMT04, MS76, MRW68, MRW71,

MOHvdG15, MOHvdG17, MNS08, ME06,

MSF81, MVC<sup>+</sup>16a, MVC<sup>+</sup>16b, MVC<sup>+</sup>18,

MPT12, Mer70, MHRB16, MB84, MS78,

MB96, Mol13, MSV09, MYZ12, Mue66a].

**Householder** [Mue66b, MM94a, MM94b,

NS10, NTKN16, NLJ13a, NLJ13b, NLSJ17,

NNM07, NG07, OR99, OW90, Ort62, Ort63,

Ost56, PSS97, Pet13, PVB<sup>+</sup>92, PR87, PR89,

PR68b, PR68a, PR69, Pug92, RS85, RS86a,

RS86b, RS88a, RS88b, RKA16, Ral93,

RVS07, RVS08, RDB05, RH99, Rei67, RS05,

Rol90, RW62, RT96, RT08, RMP18, RZ99,

RGPH16a, RGPH16b, Rus18, SAS10,

SAA09, SAAE08, SEAA08, SAA14, SB16,

SL06a, SL06b, SV89, SSY96, Smi12, SSCT14, SAW98, Ste88, Ste79, Ste93, Str09b, Str09a, Str09c, Suz15, TAC18, Tan81, Tan82, TLT91, TLHY92, TW16, TKV15, TKV16, Tre10, Tsa75, Uri10, Wal88a, Wal88b, Wan87, WWX07, WZ18, WWK04a, WWK07, Wil60, Wil62, Wil75a, Wil75b, Wil75c, WWK04b, Wri06, pWqSmZ14, XWW07, Xu00, Xue83, YC97, YJ01, YR05, Yan89, YL12].

**Householder** [YSLZ13, Yu91, YH11, ZL10, ZXLL17, Zhu92, xZxGpL09, dCWA02, dCWA03, dLRMP12, vdGV11].

**Householder-Based** [BS91, BKK18, IADM<sup>+</sup>10, RT08, BKK17, WWK04b].

**Householder-like** [AAHVR17, vdGV11].

**Householder-Matrices** [ABS<sup>+</sup>07].

**Householder-RLS** [JA14].

**Householder-transform** [DWA99].

**Householder-transformation-based** [Cui13].

**Householder-Type** [FIY15].

**Householder-Verfahren** [Her83].

**Householders** [SM13].

**HQRRP** [MOHvdG15, MOHvdG17].

**human** [Hou49b].

**Hungarian** [ST05a, ST05b].

**Hurwitz** [Hou68a, Hou68b].

**Hybrid** [VM03a, VM03b, KCN99].

**Hyperbolic** [CB89, CB90, RS85, RS86a, RS86b, RS88a, RS88b, BS89a, BS89b, YC97].

**IBM** [DH69].

**ICA** [LA13].

**ICCMSE** [SM07].

**idempotent** [HC63, HF71].

**identification** [Liu93, NO97].

**Identities** [Hou71e, CLF12, HA71].

**IEEE** [KM91].

**II** [P.71, Hou40a, Hou41d, Hou68c, Hou70c, PVB<sup>+</sup>92].

**III** [Hou40f, Hou41e].

**ill** [LL97b].

**ill-conditioned** [LL97b].

**Illinois** [Hou63b].

**Illus** [Hou63b].

**images** [Hou63b].

**impedance** [WH41].

**Implementation** [Att05, BM85, IADM<sup>+</sup>10, MB84, Wal88b, Att06, HW86, LY90, LHY92, Wal88a, dCWA03].

**implementations** [SAW98].

**Implementing** [Tsa75].

**Implicit** [WZBW18, Fie01, NLSJ17].

**improvement** [Ost56].

**Improving** [TW16].

**inactivation** [HG43].

**Inclusion** [HVW70].

**Index** [P.71, Rhe72, HHOT94, Hou69, Hou70c, Hou70d, Hou72a, Hou73b, Hou75a].

**individuals** [RH41].

**induced** [Hou43d].

**Industrielles** [Hou35].

**Inequalities** [Hou65, BH60b, HP93].

**Infinitesimal** [Hou56b].

**influence** [RH41].

**Information** [P.71].

**Institute** [Hou47b].

**integrators** [DV00, DV03].

**Interaction** [BFH52, GBCW89].

**interconnects** [EVZP99, EVZP00].

**Interference** [HZLW10, WZ18, dCWA03].

**International** [BRSS94, SM07, May09].

**Interpretation** [SH49, SH50, SH51].

**Interscience** [Hou60a].

**Interval** [Dja06].

**Interview** [Mer70].

**Introduction** [Hou55f, Hou59a, Hou40e].

**invariance** [YH40].

**Inverse** [DH56, DH55, SSCT14, pWqSmZ14, xZxGpL09].

**Inversion** [Hou60b].

**Inverting** [Hou57d, Hou58c].

**Investigations** [SH49].

**involutory** [HC63].

**involving** [BH60b].

**ions** [IV08].

**iPSC** [Zhu92].

**iPSC/860** [Zhu92].

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**iteration** [pWqSmZ14].

**Iterationen** [Ost56].

**Iterations** [Hou55c, Hou56j, Hou51b, Hou55g, HS69a, Ost56].

**Iterative** [BG67, HB60, CM08, HB12, Hou53b, Hou53c, NLSJ17, NNM07, NG07, RKA16].

**IV** [Ano80, Hou42d].

**J** [Hou55f, Hou61a, Hou70b, Hou71b, Sch69, Sch70, Hou69, P.71].

**J.** [BH87].

**James** [Hou51a, Hou63b].

**jamming** [WWK04a, WWK04b].

**January** [Hou73a].

**Jeanne** [HHW55].

**John** [Hou57b, Hou63c].

**Johnson** [Hou61a].

**joint** [YH11, ZL10].

**Joseph** [Hou44a].

**Jr** [HHW55].

**Jr.** [Hou40b, HHW55].

**July** [HFG51, May09].

**June** [Ano72, DH69, HWG98, HFG51, KM91, Hou56e].

**Kantorovich** [Hou60a, Hou65].

**Kaplan** [HA71].

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**Kernel**



- [EH15, ZXLL17]. **KIAS** [May09]. **kinetics** [HG43]. **Koenig** [GH66, Hou74d]. **Konvergenzordnung** [Dry92]. **Konvergenzverbesserung** [Ost56]. **Kopal** [Hou56b]. **Korea** [May09]. **Korganoff** [Hou61a]. **Krylov** [Hou60a, Hou64c, Hou75b, Hou06b]. **KWIC** [Hou69, Hou70c, Hou70d, Hou72a, Hou73b, Hou75a, P.71, Rhe72].
- L** [BGHS79, Hou42a, Hou61a, Sch69, Sch70]. **L.** [Hou60a]. **Laboratory** [DH69, P.71, Rhe72]. **lactosaminated** [PVB<sup>+</sup>92]. **Lanczos** [Hou64c, Hou75b, Hou06b, Fie01, Sca74]. **Landahl** [Fit46, Rei47, Ski46]. **Language** [Nof10]. **Latent** [HY38]. **law** [HY40]. **laws** [HY40]. **LDA** [He11]. **Learning** [Hou51d]. **Least** [Arm87a, Arm87b, BG67, BG65, CH97, CH98b, HL69, PR68b, PR68a, PR69, RS85, Rei67, Bro87, CH98a, Cui13, KCN99, KT77, LL97a, Ma97, Tan82, Zhu92]. **least-squares** [KCN99]. **Lecture** [Ano72]. **Lectures** [Hou72b]. **lemmas** [Hou41c]. **length** [Hou45b]. **length-tension** [Hou45b]. **lengths** [Hou40f]. **Leo** [Hou55e]. **Letter** [RW62]. **leurétude** [Hou59a]. **level** [HCX12, LY90, LHY92, WZ18]. **Leverrier** [Hou64c, Hou75b, Hou06b]. **lifting** [Suz15]. **lifting-Householder-based** [Suz15]. **like** [AAHVR17, RKA16, SEAA08, vdGV11]. **Limites** [Hou59a]. **line** [Liu93, ME06, NO97]. **linéaire** [Hou61a]. **Linear** [BG67, Bri92, BG65, Dja06, HL69, Hou50b, Hou54b, Hou55c, Hou56i, HB60, Ma97, MM94a, MM94b, PR68b, PR68a, PR69, Rei67, Rus18, WR71, CK02, CLF12, DS76, GLZ93, Hes42, Hou53b, Hou53c, Irv11, Irv12, LL97a, MNS08, NS10, Arm87a, Arm87b, HHOT94]. **linearer** [Hes42]. **Ling** [Gu83]. **LLL** [DZY18, MSV09]. **LMS** [DWA99]. **Lobachevskii** [Hou59c]. **Localization** [Hou64a, Hou70a, Hou68d]. **locomotion** [Hou45a]. **London** [Nel54]. **loops** [RVS07, RVS08]. **Lovitt** [Hou40d]. **Low** [DHHR08, DHHR09, WWK04a]. **Low-Profile** [DHHR08, DHHR09]. **low-rank** [WWK04a]. **LS** [LHY90]. **Lunenburg** [Hou47b]. **Lyapunov** [HP93].
- M** [CM08, Hou42a, Hou67]. **machine** [Ma97]. **Macmillan** [Hou44a]. **macronuclear** [KH54]. **malarial** [Hou43c]. **management** [SM13]. **Mapping** [FL99]. **March** [Hou59b]. **massively** [KCN99]. **Math** [CM08, Gu83]. **Mathematical** [Hou41a, Hou41b, HL44, Hou46, Hou55e, SH50, Hou39c, Hou49b, SH51, Fit46, Hou47b, Hou49b, Rei47, Ski46]. **Mathematics** [Hou55b, MM64, Hou56l, HC54, Hou56d, Hou56e, Hou59b, HC65]. **Mathematik** [Var90]. **Mathématique** [Hou59a]. **Mathématiques** [Hou63a]. **mathematischen** [Sch69, Sch70]. **Matrices** [ABS<sup>+</sup>07, CB90, Dan76, DHHR08, DHHR09, Hay66, Hou54a, Hou57d, Hou58c, Hou61b, Hou64d, HVW70, Hou75c, Hou06c, Kau87, Mue66b, P.71, Smi12, Var66, BV87, CSR10a, CSR10b, CB89, FH59, GN86, Hou58b, HC63, Hou64a, Hou66, Hou68d, Hou69, Hou70c, HF71, LWZZ16, LWZ90, MPT12, Mue66a, NLSJ17, SSY96, Urí10, Wil62, YR05, xZxGpL09, dLRMP12]. **matrices** [FD87]. **Matrix** [HY38, Hou56j, Hou58a, Hou58e, Hou60b, Hou63e, Hou72d, Kau79, New65, TAC18, BH60b, CRPZ92, CKL01, Dub88, Gu83, Hou55g, Hou59d, Hou64c, Hou75b, Hou06b, MRW68, MRW71, RH99, RMP18, SB16, SL06a, SL06b, Tan81, Wan87, Wri06, Hou57a]. **Matrizen** [H.70]. **Maximum** [LZ12]. **McGraw** [Hou63c, Nel54]. **McGraw-Hill** [Hou63c, Nel54]. **mechanism** [Hou39b, Hou40a, Hou40f]. **Meetings** [BHMU85, MB96]. **memoriam** [BH87, CV94]. **memory** [Hou63b, LC91]. **mesh** [DTZ96]. **Method** [Dja06, He11, HMA18, Hou50a, LZ12, Mue66b, Ort62, Ort63, Ost56, PR68b, Pug92, TAC18, Wil60,

Bag08, CK02, CM08, HB12, Her83, HW86, HFG51, HZLW10, KKM<sup>+</sup>96, MNS08, MSF81, Mue66a, NS10, NTKN16, NNM07, NG07, PVB<sup>+</sup>92, SSCT14, Tan82, Wal88a, Wal88b, WZ18, Wil62, pWqSmZ14, Xu00]. **Methode** [Hou35]. **Méthodes** [Hou61a]. **Methods** [Hou50b, Hou57d, Hou58c, HB59, Hou60a, HB60, SM07, AAHVR17, Cic92, Hou53c, Hou64c, Hou75b, Hou06b, RKA16, ST05a, ST05b]. **Métriques** [Hou35]. **Mexico** [Ano72]. **Michigan** [Var90]. **Microfiche** [P.71, Rhe72]. **microwave** [GL06]. **MIMO** [KYP13, WWX07]. **Mind** [Hou63b]. **Minimal** [Hou59d]. **minimization** [BEH12]. **minimum** [ZXLL17]. **minor** [AMACH00]. **Mixing** [Smi12]. **MLD** [HMA18]. **MMSE** [IADM<sup>+</sup>10]. **MMSE-DFE** [IADM<sup>+</sup>10]. **Mobile** [Hou35]. **Mode** [TAC18]. **model** [KH54]. **Modeling** [DHWZ09, WZBW18]. **Models** [BFH52, GBCW89]. **Modern** [SM07]. **Modification** [Pug92, KT77]. **Modified** [CM08, HB12, JZZ08, NNM07, NG07, AB12, OW90, SAA14, SSY96]. **módszerek** [ST05a, ST05b]. **molecules** [DH55]. **Moments** [BH60a, Hou68c]. **Monnier** [Hou44b]. **Monte** [BHMU85, HFG51]. **Moore** [SSCT14]. **morphogenesis** [Hou44a]. **movements** [Hou41b]. **MP/48** [Ber90]. **MR0645691** [Gu83]. **MR2339762** [CM08]. **Multi** [GH47]. **Multi-Group** [GH47]. **Multi-Reflector** [GH47]. **multichannel** [HBC17]. **Multidimensional** [KYP13, Bro87, Hec95, YH41]. **Multigradients** [Hou71d]. **Multiple** [GH46, Hou50a]. **Multiple-Hit** [Hou50a]. **Multiplexing** [XWW07]. **Multiplier** [Hou70f]. **Multistage** [WWK07, HZLW10, YSLZ13, dCWA03]. **Multitasking** [Ber90]. **Munich** [Bau74]. **muscle** [Hou45b]. **Muscular** [Hou45b]. **mutual** [RH41, YH38].

**N** [Hou26]. **Names** [HS58]. **National** [P.71, Rhe72]. **Navigation** [WWK07, HZLW10, WWK04a, WWK04b]. **near** [Bau74]. **Needham** [Hou44a]. **Negative** [DHHR08, Hou58b]. **Nelson** [Hou42a]. **NEON** [YL12]. **nerve** [Hou41c, Hou41d, Hou41e, Hou42d]. **nerve-fiber** [Hou41c, Hou41d, Hou41e, Hou42d]. **Nervous** [Fit46, HL44, Rei47, Ski46, Hou44b, Hou44c, Hou46]. **Nets** [Hou51c]. **Network** [DHWZ09]. **Networks** [MHRB16, Hou41c, Hou41d, Hou41e, Hou42d]. **Neural** [Hou47a, Hou51c, Hou51a, MHRB16, Hou39b, Hou40a, Hou40f]. **Neuron** [LH39]. **neurons** [Hou38b]. **Neutron** [Hou49a]. **NF** [Hou61a]. **Nicolas** [Hou41a]. **NMR** [PVB<sup>+</sup>92]. **No** [Hou35, CM08, Gu83]. **Noise** [Att05, JA14, Att06, Hec95, HBC17, KI17]. **Non** [DHHR08, CLF12, Hou44c, Hou58b, Hou61a]. **non-linear** [CLF12]. **Non-Negative** [DHHR08, Hou58b]. **non-normal** [Hou44c]. **Noncircular** [LA13]. **Nonlinear** [Hou70e, Rhe72, CM08, HB12, Hou70d, NTKN16, NNM07, NG07]. **Nonnegative** [DHHR09]. **Nonsingularity** [Hou72d]. **Nonsymmetric** [Hou58e]. **Nonterminating** [Hou55c]. **Noor** [CM08]. **normal** [Hou44c, LSA13]. **normalizable** [Hou66]. **normalization** [Hou64c, Hou75b, Hou06b]. **Norms** [Hou54a, Hou68d, BH61, Hou59d, Hou68e]. **Note** [HW86, Hou43a, Hou43b, HVW70, Rei67, Tsa75, CM08, FH59, Hou40g, HW42, NO97, YH41]. **Notes** [Hou37b, Hou42b, Hou51d, Ano72]. **Notice** [Ano77a, Ano77b]. **Notion** [Hou35]. **November** [ML88]. **Numbers** [HS58]. **Numer** [Gu83]. **Numerical** [Ano72, Bau74, CG93, Dur54, Fle55, For54, Goh54, Hay66, Hou50b, Hou53d, Hou55d, Hou56h, Hou56b, Hou56l, Hou63c, Hou63d, Hou64b, Hou64d, Hou70e, HS71, Hou72b,

Hou75c, Hou79, Hou06a, Hou06c, I.75, KZ76, MS76, Nel54, P.71, Rhe72, Var66, Hou56f, Hou69, Hou70c, Hou70d, Hou72a, Hou73b, Hou74e, Hou75a, Sca74, HWG98, ST05a, ST05b, Hou56b, Hou57b]. **Numerically** [Dou00]. **Numerically-robust** [Dou00]. **Numerik** [H.70]. **Numerikus** [ST05a, ST05b]. **Numérique** [Hou61a, Hou63a]. **Numerische** [Var90].

**Oak** [P.71, Rhe72, Hou80]. **Oblique** [Ste11]. **Observations** [Hou56g]. **ODE** [Wal88a]. **Oliver** [Sch70]. **Olver** [Sch69]. **OMC** [Dru99]. **On-line** [Liu93, ME06, NO97]. **one** [Ral93, xZxGpL09]. **one-sided** [Ral93]. **operator** [FL99]. **Optimal** [DS76, SAAE08, SAA09]. **Optimization** [Arm87a, Arm87b]. **optimized** [SAS10]. **optimizing** [FYZ08]. **ORACLE** [Hou55b]. **orbit** [LXYW09]. **order** [AAHVR17, Dry92]. **Ore** [WZBW18]. **Orlando** [ML88]. **Ortega** [MS76]. **Orthogonal** [GN86, GL87, MHRB16, PR87, LSA13, PR89, RT96, RMP18]. **orthogonalization** [LL97a]. **orthogonalizations** [Dax04]. **Orthonormal** [DV00, DV03, RGPH16a, RGPH16b]. **Ostrowski** [Hou67, Dry92]. **oversampled** [KKM<sup>+</sup>96].

**P** [HHW55, Hou60a, Hou61a, Hou63a, Hou63c, PVB<sup>+</sup>92]. **Padé** [HS69b, Hou71e]. **Panel** [Hou56d, Hou56e, Hou59b]. **paperbound** [I.75]. **papers** [Sca74]. **Parallel** [FIY15, LMM96, LS09, LL97b, MM94a, MM94b, OW90, Ral93, WWX07, CRPZ92, CUSR88a, CUSR88b, CK02, KCN99, Ma97, PSS97, RH99, RZ99, SAW98]. **paramecium** [KH54]. **parameter** [Liu93, NO97]. **parameters** [Cui13]. **Parametrisation** [MHRB16]. **parasites** [Hou43c]. **paraunitary** [KKM<sup>+</sup>96]. **Paris** [Hou61a, Hou63a]. **Parser** [Luo00]. **Part** [Sch70, Arm87a, Arm87b]. **Partial** [Hou56c].

**partitioning** [LBM90]. **passive** [HCB15]. **Pavlovian** [Hou51d]. **Penrose** [SSCT14]. **Penultimate** [Hou70f]. **perceived** [Hou40f]. **perception** [Hou47a]. **Performance** [DHHR08, DHHR09, FIY15, KI17, VM03a, VM03b, vdGV11]. **Period** [HC54, Hou56d, Hou56e, Hou59b, HC65]. **phase** [RDB05]. **phenomena** [Hou49b]. **Philadelphia** [Hou56k]. **Physics** [MM64]. **Physique** [Hou59a]. **Pile** [GH47]. **Piles** [GH46]. **pipelined** [LY90, LHY92]. **Pivoted** [DZY18]. **Pivoting** [MOHvdG15, MOHvdG17, Ma97]. **placement** [Hec95]. **Plane** [BB08]. **Point** [Hou37c, Hou37d, CKL01, Hou36, SAS10]. **points** [YH38]. **Pole** [EVZP99, EVZP00]. **Pole-residue** [EVZP99, EVZP00]. **Polynomial** [Hou51b, HB59, HS71, CLF12, HS69a]. **polynomiography** [NTKN16]. **Population** [RVS07, RVS08]. **positive** [FH59]. **possible** [Hou43c]. **Postscript** [Hou73c]. **power** [pWqSmZ14]. **pp** [H.70, Hou44a, Hou47b, Hou63b, I.75, Nel54, P.71, Rhe72]. **Prasad** [Hou70b, Hou71b]. **Prediction** [DHWZ09]. **Preface** [Ste79]. **preferences** [SM13]. **preliminary** [Hou41c]. **Presentations** [Hay66]. **preserving** [LWZZ16]. **Presidential** [Hou56k, Hou57c]. **Press** [Hou44a, Hou47b, Hou63b]. **Price** [H.70, Hou60a, Hou61a, Hou63c, I.75, P.71, Rhe72]. **Primary** [P.71, Hou69, Hou70c]. **Princeton** [Hou47b]. **Principles** [Hou53d, Hou56f, Hou74e, Hou06a, For54, I.75, Dur54, Fle55, Goh54, Nel54]. **Printed** [P.71, Rhe72]. **Problem** [He11, Hou68a, New65, NLJ13a, Ort62, Ort63, Hou68b, HBC17, NLJ13b, Tan82, Zhu92]. **Problèmes** [Hou59a]. **Problems** [CH34a, CH34b, CHY66, CH97, CH98b, DH74, DH56, DH34, DH35a, DH35b, HL69, Hou56b, Hou58a, NH66, PR68b, PR68a, PR69, RCH35, RH37, SGGH35, CH98a, DH55, KZ76, LL97a, LL97b, xZxGpL09].

**Proceedings** [BRSS94, HFG51, SM07, DH69, HWG98, ML88, KM91, May09]. **processes** [RW62]. **Processing** [BB08, Ste88, TLT91, TLHY92]. **processor** [WWK04a]. **Processors** [CM97, DQ18]. **product** [MMT04]. **Products** [Cup84, BV87, SV89, YC97]. **Prof** [BRSS94]. **Profile** [DHHR08, DHHR09]. **Programming** [Nof10, BG67, FYZ08]. **Progress** [HC54, Hou56d, Hou56e, Hou59b, HC65]. **projection** [MS78]. **projections** [Dax04]. **Prony** [Hou50a, PVB+92]. **Proof** [Hou40b, Hou40c, Bre68]. **Proper** [Hou64c, Hou75b, Hou06b]. **properties** [YR05]. **pseudoinversion** [MSF81]. **psychophysical** [HY40, YH41]. **Publications** [Dur54, Hay66, Hou35, Hou40b, Hou40c, Hou57b]. **Published** [Hou47b]. **Publishers** [Hou60a].

**QRD** [JZZ08]. **QRM** [HMA18]. **quadratic** [Pet13]. **quadrupedal** [Hou45a]. **Quantum** [IV07, IKV06, IKV07, IV08, RVS07, RVS08]. **quasimatrix** [Tre10]. **Quaternion** [SL06a, SL06b, LWZZ16]. **Questions** [Hou37b]. **Quotient** [Att05, Att06].

**R** [H.70, Hou40b]. **Radial** [WZBW18]. **Rajaraman** [BRSS94]. **Randomization** [MOHvdG15, MOHvdG17]. **rank** [DWA99, Rol90, WWK04a, xZxGpL09]. **rank-** [Rol90]. **rank-one** [xZxGpL09]. **Rashevsky** [Hou41a, HA37, Hou39a, Hou43b, Hou44b]. **Rayleigh** [ABS+07, Att05, Att06]. **reaching** [RDB05]. **Reactor** [Hou56g]. **Real** [DHWZ09, IADM+10, LWZZ16, SSY96, Wri06, SL06a, SL06b]. **Real-Time** [DHWZ09, IADM+10]. **Realization** [MVC+16b, MVC+18, Yan89]. **realizations** [FD87]. **receiver** [WWK04b]. **Receivers** [ABS+07, WWK07, HZLW10, KYP13, WWK04a]. **Recherches** [Hou63a].

**Recognition** [He11, SAS10]. **Reconstructing** [BDG+14b, BDG+14a, BDG+15, DBG+13]. **Recurrent** [MHRB16]. **Recursive** [Bow11, KCN99, LHY90, AJI88, Cui13, LWZ90, TLT91]. **reduced** [DWA99]. **reduced-rank** [DWA99]. **Reduction** [Bri92, BKK18, DZY18, Wan87, BKK17, Dub88, GN86, Hou64c, Hou75b, Hou06b, HBC17, SB16]. **Reductions** [MM94a, MM94b, Rei67]. **reference** [Hou43c]. **Refinement** [BG67]. **Reflection** [DZY18, FL99, Gu83, Tan81, TKV15, TKV16]. **Reflections** [BNP93, Cup84, GL87, IV07, LA13, MHRB16, BEH12, Dru99, EG02, IKV06, IKV07, IV08, NLSJ17, RVS07, RVS08, SAW98, Wri06, dCWA03]. **Reflector** [GH47]. **Reflectors** [DQ18, GH46, RGP16a, RGP16b, Rus18, MMT04]. **reflexes** [HA37]. **regularized** [Zhu92]. **Related** [Hou65]. **relations** [Hou49b]. **reliable** [Fie01]. **Remainder** [Hou70f]. **Remembers** [MB96]. **Reminiscences** [Hou80, Var90]. **Repère** [Hou35]. **Report** [HC54, Hou56d, Hou56e, Hou59b, HC65]. **Representation** [Pug92, BV87, Irv11, Irv12, SV89, YC97]. **Research** [DH69]. **Resident** [DTLD15, HDT+15]. **residue** [EVZP99, EVZP00]. **response** [Hou47a]. **results** [CLF10]. **Retiring** [Hou57c]. **revealed** [RVS07, RVS08]. **reverberant** [HCB15]. **Review** [Fit46, Fle55, For54, Fra72, Goh54, Gre72, H.70, Hou40d, Hou40e, Hou41a, Hou42a, Hou44a, Hou47b, Hou49b, Hou51a, Hou53a, HHW55, Hou55e, Hou55f, Hou56b, Hou57a, Hou59a, Hou60a, Hou61a, Hou63a, Hou63b, Hou63c, Hou67, Hou70b, Hou71b, HA71, Hou79, I.75, Nel54, P.71, Rei47, Rhe72, Sch69, Sch70, Ski46, Var66, Hou52, Hou56a]. **Reviews** [Hou35, Hou40c, GMS+76]. **Revisited** [Dub00, JLQO+06]. **Ridge**

[P.71, Rhe72, Cic92, Hou80]. **Ridge-type** [Cic92]. **ring** [PSS97]. **RLS** [BNP93, Cio90, JA14, KI17, LY90, LHY92, RT08]. **Road** [DHWZ09]. **Robots** [Hou63b]. **robust** [Dou00]. **root** [CLF10, CLF12, Str09c]. **Roots** [BH60a, HY38, BH61, Hou51b, Hou64a, Hou68c, Hou68d]. **Ross** [Hou53a]. **rotation** [FL99, ZXLL17]. **rotation-reflection** [FL99]. **Rotational** [Hou58d]. **Rotations** [GL87]. **Routh** [Hou68a, Hou68b]. **Row** [BNP93, CUSR88a]. **Rudolf** [Hou47b]. **Rüschlikon** [DH69]. **Russian** [Hou60a]. **Rutishauser** [H.70, Sch69, Sch70].

**S** [Ano69, Ano73, Ano77a, Ano77b, Ano78, Ano80, Ano83, Ano86, Ano95, Dur54, Fit46, Fle55, Fra72, Goh54, Gre72, Hay66, I.75, Nel54, P.71, Rei47, Rhe72, H.S73, Sch69, Sch70, Ski46, Ste79, Var66, Wil75a, Wil78, Wil75b, Wil75c]. **Samelson** [Sch69, Sch70]. **Sample** [He11]. **samples** [HZLW10]. **Samuelson** [Hou64c, Hou75b, Hou06b]. **SAR** [LXYW09]. **Scalable** [SAW98]. **scalar** [MMT04]. **scaling** [Bro87]. **scattered** [CUSR88a, CUSR88b]. **schemes** [CLF10]. **Schmidt** [AB12, Dax04, LL97a, OW90, SAA14]. **schools** [Hou55b, Var90]. **Schröder** [Hou72c, Hou74c]. **Schur** [LMV18]. **Schwarz** [H.70]. **Science** [EW90, SM07]. **Sciences** [Hou55e]. **Scientific** [BHMU85, Nas90]. **Scientifiques** [Hou35]. **Scott** [CV94, Mer70, OR99, Ste93, Hou55f]. **Sebastião** [Hou73c, Hou71c, Hou71a]. **second** [CM08, NTKN16, NG07]. **See** [Bau74]. **Selection** [FIY15, XWW07, HZLW10, KH54]. **Self** [AMACH00, LH39]. **self-exciting** [LH39]. **Self-stabilized** [AMACH00]. **Semiannual** [Hou56d, Hou56e]. **Sense** [Hou63b]. **Seoul** [May09]. **Separation** [Hou66, YH11, ZL10]. **September** [Hou56k, SM07]. **series** [Ger84]. **Service** [P.71]. **set** [YH38]. **shifts** [NLSJ17].

**Sided** [MM94b, MM94a, Ra193]. **sidelobe** [HCX12]. **signal** [Ste88]. **Signals** [JA14, PVB<sup>+</sup>92]. **significance** [YH40]. **Signs** [Dan76]. **Silva** [Hou73c, Hou71a, Hou71c]. **SIMD** [KCN99]. **Simple** [Hou51d, DH55, Hou41d, Hou41e]. **Simplex** [LZ12]. **simulation** [EVZP99, EVZP00]. **Single** [Hou56b, Hou70e]. **singular** [Fie01, HC63, SL06a, SL06b]. **Sinica** [Gu83]. **Size** [He11, Hou43d]. **skeletal** [Hou45b]. **Skew** [Gu83, Tan81]. **Skew-reflection** [Tan81]. **Skinny** [BDG<sup>+</sup>14a, BDG<sup>+</sup>15, DBG<sup>+</sup>13, FIY15]. **Slant** [BB08]. **Sliding** [Str09a, KI17, Str09b]. **Small** [He11]. **smart** [SM13]. **social** [Hou49b, RH41]. **Solution** [Hou56c, Hou56i, Hou58a, MM94a, MM94b, RS85, Rei67, Wil60, LL97a, Tan82, Hou67]. **Solutions** [BG67, BG65, CH34a, CH34b, CHY66, DH74, DH34, DH35a, DH35b, NH66, RCH35, RH37, SGGH35, Hou53b, KT77, Ma97]. **Solve** [He11]. **Solving** [HL69, Hou50b, Hou54b, Hou55c, HB60, MNS08, xZxGpL09, HB12, Hou53c, NS10, NTKN16, Wal88a]. **Some** [BFH52, BH60b, DH55, DH56, HA37, Hou50b, Hou51d, Hou56g, Hou57d, Hou65, Hou68e, LMV18, RKA16, YR05, AAHVR17, Hou53c, HS69a, HA71]. **Sorting** [HMA18]. **source** [ZL10]. **sources** [HCB15]. **Space** [WWK07, FL99, Hou26, HZLW10, LXYW09, WWK04a, Yan89]. **space-borne** [LXYW09]. **Space-Time** [WWK07, HZLW10, WWK04a]. **Spaced** [IADM<sup>+</sup>10]. **spaces** [MMT04]. **spanned** [RMP18]. **Sparse** [DTZ96, GL87, Kau79, Kau87, ZXLL17, GN86, Tan82]. **Sparsifying** [RGPH16a, RGPH16b]. **Spatial** [XWW07]. **Spatially** [JZZ08]. **Special** [Wil75c, YJ01]. **spectral** [Yu91]. **speed** [EVZP99, KYP13]. **spline** [GBCW89]. **sporulation** [Hou43c]. **Springfield** [P.71, Rhe72]. **Square** [Hou40b, Hou40c, Str09c, CUSR88b, Cui13, Zhu92].

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**T** [Hou51a, HHW55, Hou63b]. **T1** [Hou51c]. **Table** [Hou71e, HS69b]. **Tall** [BDG<sup>+</sup>14a, DBG<sup>+</sup>13, BDG<sup>+</sup>15, FIY15]. **Tall-Skinny** [DBG<sup>+</sup>13]. **Tan** [Gu83]. **Tangent** [LSA13]. **Technical** [P.71]. **Techniques** [Hou56b, EVZP99, EVZP00, LBM90]. **technology** [YL12]. **Tennessee** [P.71, Rhe72]. **tension** [Hou45b]. **Terminating** [Hou55c]. **terms** [YH38]. **Test** [Hou40b, Hou40c, Smi12]. **Teubner** [H.70]. **their** [YH38]. **Theorem** [DH69, GH66, HVW70, HA37, Hou74d]. **theorems** [Bre68, Hou66]. **Theoretical** [TAC18]. **Théorie** [Hou35]. **theories** [Hou44b]. **Theory** [GH46, GH47, Hay66, Hou40d, Hou64d, Hou75c, Hou06c, Var66, CLF10, Hou26, Hou39a, Hou39c, Hou41c, Hou41d, Hou41e, Hou42d, Hou43d, Hou44c, Hou49b, Hou68e]. **third** [Hou60a]. **three** [RVS07, RVS08]. **three-state** [RVS07, RVS08]. **tight** [FWW06]. **Time** [DHWZ09, IADM<sup>+</sup>10, WWK07, Ger84, Hou26, HZLW10, WWK04a, ZL10]. **time-frequency** [ZL10]. **Timing** [Rol90]. **tissue** [Hou49a]. **Toad** [Hou51c]. **Todd** [Hou63c]. **tolerant** [TKV15, TKV16]. **Tome** [Hou61a]. **tool** [LSA13]. **topology** [GL06]. **TOPSIS** [SM13]. **Tracer** [SH50, SH51].

**Tracers** [SH49]. **Tracker** [Str09a, Str09b]. **tracking** [Dou00, Str09c]. **Transcendental** [Hou71d]. **transducer** [Hec95]. **transfer** [FD87]. **Transfers** [SH49]. **Transform** [BB08, ME06, MVC<sup>+</sup>16b, MVC<sup>+</sup>18, TAC18, DWA99, CY97, Luo00, MSF81, Suz15, Xu00, YC97, Yu91, ZL10, Hou55f]. **Transformation** [Att05, BG67, Bow11, DHWZ09, HMA18, Kau79, Kau87, LZ12, MVC<sup>+</sup>16a, Tsa75, AMACH00, AJI88, Att06, Cic92, Cui13, FL99, GLZ93, Ger84, Gu83, HCX12, HCB15, HBC17, KZ76, LXYW09, LWZ90, LY90, LHY92, Liu93, LL97a, LSA13, LL97b, NO97, RDB05, RZ99, SSY96, Tan81, TLHY92, WWX07, Xue83, Yan89, YH11, ZXLL17, Zhu92, dCWA02]. **transformation-based** [Att06]. **Transformations** [Arm87a, Arm87b, BG65, DTLD15, Dub00, HDT<sup>+</sup>15, IV07, MB84, NLJ13a, PR68a, PR69, RS85, Rus18, BL70, BS89a, BS89b, BM85, CSR10a, CSR10b, Dax04, DS76, DV00, DV03, Dou00, FD87, FWW06, Fie01, GL06, GN86, IKV06, IKV07, IV08, JLQO<sup>+</sup>06, LWZZ16, LHY90, Ma97, MMT04, NLJ13b, RS86a, RS86b, Ral93, Rol90, RT96, SAA09, SAAE08, SEAA08, SB16, SL06a, SL06b, SV89, TLT91, Wal88b, Wan87, YJ01, vdGV11]. **Transforms** [RGPH16a, RGPH16b, RS88a, RS88b, Ste88]. **transient** [EVZP99, EVZP00]. **Translated** [Hou60a]. **Translation** [GHL67]. **trapped** [IV08]. **trapping** [RVS07, RVS08]. **Treatment** [Hou70e, Rhe72, Hou70d]. **tri** [Hou42c]. **tri-axial** [Hou42c]. **Triangular** [BKK18, Cup84, BKK17, GN86, LWZ90]. **Triangularization** [Hou58e, Tre10]. **tridiagonal** [Wan87]. **Tridiagonalization** [Hou58d, CRPZ92, CUSR88a, CUSR88b, GBCW89, MRW68, MRW71, SSY96]. **Trigonometry** [Hou42b]. **Trude** [Hou72c]. **Trudi** [Hou74c]. **TSQR** [BDG<sup>+</sup>14b]. **Twentieth** [MHR80]. **Twice** [Ste11]. **Two** [GH46, LY90, MM94a, MM94b, SH49, Hou44c, LHY92]. **Two-Compartment** [SH49]. **two-factor** [Hou44c]. **Two-level** [LY90, LHY92]. **Two-Sided** [MM94b, MM94a]. **Type** [FIY15, Cic92, HP93].

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**V** [Ano83, BRSS94, CM08, Hou60a, JZZ08]. **V-BLAST** [JZZ08]. **Va** [Rhe72]. **validation** [GBCW89]. **Value** [DH56, DH55, SL06a, SL06b]. **valued** [Cui13]. **Values** [Smi12, HC63, Hou64c, Hou75b, Hou06b]. **variable** [RDB05, Hou56b]. **Variables** [Hou55f]. **variation** [BL70]. **Variational** [TW16]. **Variations** [Hou37c, Hou37d, Hou36]. **Vector** [DHWZ09, pWqSmZ14]. **Vectors** [BDG<sup>+</sup>14a, DBG<sup>+</sup>13, Hou54a, BDG<sup>+</sup>14b, BDG<sup>+</sup>15, Hou64c, Hou75b, Hou06b, LSA13, RMP18]. **Verfahren** [Ost56, Her83]. **Verlag** [H.70]. **Vernon** [Hou40d]. **version** [RH99]. **versus** [GL87]. **vertex** [LBM90]. **VI** [Bau74, Hou47b, Ano86]. **via** [Dax04, Luo00, SAA09, SAW98, xZxGpL09, vdGV11]. **view** [CKL01]. **viewpoint** [Hou561]. **vii** [P.71, Rhe72, Ano95]. **viii** [P.71]. **Villars**

[Hou63a]. **Virginia** [P.71]. **vision** [Hou47b].  
**Visually** [Hou40f]. **VLSI** [TLHY92].  
**Voetter** [Hou64c, Hou75b, Hou06b]. **Vol**  
 [Sch69, Sch70]. **Volume**  
 [LZ12, P.71, HHOT94, Hou69, Hou70c, P.71]. [AB12]

**W** [Hou42a, Hou53a, Sch70]. **water**  
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 [Hou64c, Hou75b, Hou06b].  
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 [Hou40a]. **which** [DH55]. **Whitehead**  
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**x** [I.75, Ano98a, Ano98b, Ano98c, Ano98d,  
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**XII** [CG93]. **xiv** [Hou63b]. **xv** [Hou60a]. **xvi**  
 [Hou44a, Hou63c]. **xxvii** [Hou61a].

**years** [HHOT94]. **York**  
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**York-London** [Nel54]. **Young** [Bro87].

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