

# A Bibliography of Publications of *Alston Scott Householder*

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## Abstract

This bibliography records publications of Alston Scott Householder.

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, YFS21]. *QS* [Str09b, Str09a]. *SR* [AB12, SAA09, SAAE08, SAA14]. *U(N)* [IKV06, IKV07].  $\varphi$  [Gu83]. *VGMRES(m)* [Xu00]. *WY* [BV87, Pug92, SV89].

## 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** [L.75]. **\$6** [Nel54]. <sup>31</sup> [PVB<sup>+</sup>92]. *J* [SB16, dRMP12]. *L<sub>2</sub>* [Yan89]. *L<sub>∞</sub>* [Yan89].  $\Lambda_S$  [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,

**-D** [LSA13]. **-decomposition** [KI17]. **-Dimensional** [DZY18]. **-Hessenberg** [SB16]. **-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**

[DHWZ09]. **adjustment** [BL70]. **Advanced**

[CH34a, CH34b, DH74, DH34, DH35a,

NH66, RCH35, RH37, SGGH35]. **Advances**

[Hou41a]. **again** [Hou74d]. **age** [Hou49a].

**Alamos** [Ano72]. **albumin** [PVB<sup>+</sup>92].

**Alfred** [Hou42a]. **Algebra**

[Ano72, Bau74, CG93, DH69, HHOT94, Hou72b, WR71, Hou72a, Hou73b, Hou75a].

**Algebraic** [Hou54b, HA71, Wil60, CLF10,

Hou51b, May09, SEAA08]. **Algèbre**

[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, SAW98, WWX07, Xu00, YJ01, Yu91, YH11].

**Algorithms** [CB90, DTL15, HDT<sup>+</sup>15, PR87, RT08, YFS21, DWA99, CB89, Dub88, HD95, LWZ16, Liu93, NO97, OW90, PR89, SAA14, TLHY92, dCWA02]. **Algorithmus**

[Dry92]. **AllReduce** [MYZ12]. **Alston**

[Fra72, Gre72, Hay66, Nel54, Var66, Ano69,

Ano73, Ano77a, Ano77b, Ano78, Ano80,

Ano83, Ano86, Ano95, CV94, I.75, Mer70,

OR99, H.S73, Ste93, Wil75a, Wil78, Wil75b,

Wil75c]. **am** [Bau74]. **AMP** [PVB<sup>+</sup>92].

**analogues** [MMT04]. **Analyse** [Hou63a].

**analyses** [Ger84]. **Analysis**

[ABS<sup>+</sup>07, BS91, CH23, FIY15, Hou51a,

Hou53d, Hou55d, Hou56b, Hou56b, Hou63d,

Hou64b, Hou64d, Hou75c, Hou79, Hou06a,

Hou06c, Ort62, Ort63, P.71, YFS21, Ger84,

HWG98, HY40, Hou47b, Hou56f, Hou69,

Hou70c, Hou74e, KI17, KZ76, MS76,

MYZ12, RS05, SAA09, Sca74, YH41,

Hou60a, Hou63c, I.75, Dur54, Fle55, For54,

Goh54, Hay66, Hou57b, Nel54, Var66].

**Analyzing** [Hou50c]. **Angeles** [HFG51].

**Announcement** [Ano83, Ano86, Ano95,

Ano98a, Ano98b, Ano98c]. **Annual**

[HC54, HC65]. **anodal** [Hou43a]. **Antenna**

[XWW07]. **anti** [WWK04a, WWK04b].

**anti-jamming** [WWK04a, WWK04b].

**Anwendungsgebiete** [Sch70, Sch69]. **Appl**

[CM08]. **applicability** [AAHVR17].

**Application**

[Hou56b, Kau79, CLF10, LY90, RS86a].

**Applications** [Bow11, Cic92, HL69, Hou41a,

LMV18, GBCW89, Hou68e, LWZ90, LL97b,

TLT91, TLHY92, HHOT94]. **Applied**

[DTLD15, HDT<sup>+</sup>15, PVB<sup>+</sup>92]. **Applying**

[PR68b, PR68a, PR69]. **Approach**

[EJ23, 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, YFS21, 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].

**Calcul** [Hou61a]. **Calculations** [Hou56g, BEH12, Hou49a]. **Calculus** [Hou37c, Hou37d, Hou55f, Hou56b, Hou36, Hou40e, Hou57a, Hou42a]. **California** [HFG51]. **Cambridge** [Hou44a]. **Cancelation** [JA14]. **canceller** [HCX12]. **canonical** [CSR10a, CSR10b, GL06]. **Carlo**

[HFG51, BHMU85]. **Cartan** [Hou35]. **Case** [Ste11, Mue66a]. **Catalytic** [Hou70f]. **Causality** [Bla63]. **CDMA** [dCWA03]. **cell** [Hou42c]. **cells** [HW42]. **Cellular** [Hou42c, Hou41b, Hou43b]. **Central** [Fit46, HL44, Rei47, Ski46, Hou46]. **Centre** [Hou63a]. **Century** [MHR80, Hou79]. **Certain** [Hou56c, Hou56i, HB59, HB60]. **chain** [Hou38b]. **Channel** [HMA18, JZZ08, Suz15]. **Channels** [ABS<sup>+</sup>07]. **Characteristic** [BH60a, DH56, HB59, BH61, DH55, Hou64a, Hou68c]. **Chemistry** [MM64]. **Chi** [Hou40b, Hou40c]. **Chi-Square** [Hou40b, Hou40c]. **Choice** [Dan76]. **Cholesky** [BS91]. **circuit** [Hou41d, Hou41e]. **circuits** [Hou38a, Hou42d, LH39]. **Class** [Hou58c]. **Cleve** [Mol13]. **Closed** [Hou57d, SH50, CLF12, SH51]. **cm** [H.70, Hou60a, Hou61a, Hou63c, I.75, P.71, Rhe72]. **cm.** [Hou63a]. **Co** [Hou63c, MVC<sup>+</sup>16a, MVC<sup>+</sup>16b, MVC<sup>+</sup>18]. **Co-Design** [MVC<sup>+</sup>16b, MVC<sup>+</sup>18, MVC<sup>+</sup>16a]. **collaboration** [Hou61a]. **Collection** [MHR80, Wil75b]. **collective** [IV08]. **Colloque** [Hou63a]. **Column** [HMA18, MOHvdG15, MOHvdG17, Ma97]. **combinations** [DS76]. **Comments** [BHMU85, HS69a]. **Commerce** [P.71, Rhe72]. **common** [Hou42d]. **Compact** [Pug92]. **Company** [Hou44a]. **comparisons** [Rol90]. **Compartment** [SH49]. **complete** [Hou41e]. **Complex** [Bow11, Dja06, Hou55f, LA13, ME06, Mue66b, NLJ13a, XWW07, AJI88, CY97, Cui13, MS76, Mue66a, NLJ13b, NLSJ17, SL06a, SL06b, TLT91, TLHY92]. **complex-valued** [Cui13]. **Complexity** [LMM96]. **composed** [GLZ93]. **composite** [TKV15, TKV16]. **Comput** [CM08]. **Computation** [Hou55a, IADM<sup>+</sup>10, Sch70, Fie01, GBCW89, Hes42, Hou54c, May09, Ral93, Sch69, SM07]. **Computational** [LBM90, SM07, SAA09]. **Computations** [BHMU85, Hou63e]. **compute** [pWqSmZ14]. **Computer** [BRSS94, KM91, BRSS94]. **computers** [Hou56l, PSS97, HHW55]. **Computing** [Dax04, FD87, MHR80, Nas90, VM03a, VM03b]. **Concerning** [Hou39a, FH59]. **Condition** [Hou72d, BH60b]. **conditioned** [LL97b]. **Conditioning** [Hou38a]. **conducted** [DH69]. **Conference** [BRSS94, HWG98, SM07]. **conjugates** [PVB<sup>+</sup>92]. **conscious** [Hou63b]. **Consciousness** [Hou63b, Hou51a, Hou51a]. **considering** [SM13]. **Constrained** [dCWA02, DWA99]. **constraint** [YSLZ13]. **constraint-based** [YSLZ13]. **constraints** [AJI88]. **Constructive** [DH69]. **continued** [Pet13]. **Continus** [Hou35]. **control** [Hec95]. **controller** [RDB05]. **Convergence** [Hou56j, RS05, Hou55g, Ost56, Dry92]. **converting** [LWZ90]. **convolutive** [YH11]. **coordinates** [BL70]. **copy** [P.71, Rhe72]. **CORDIC** [HD91, HD95]. **Corfu** [SM07]. **Cornelius** [Sca74]. **Corner** [Mol13]. **Correlated** [JZZ08]. **Correlation** [ABS<sup>+</sup>07]. **coset** [CSR10a, CSR10b]. **Coupling** [TAC18]. **CRAY** [Ber90]. **Creation** [Nof10]. **Critical** [Smi12]. **Criticality** [Hou56g]. **cross** [GBCW89]. **cross-validation** [GBCW89]. **CSAR** [BB08]. **Culbertson** [Hou63b, Hou51a]. **Curtis** [Hou60a]. **Curtiss** [Hou57b]. **Curvature** [Hou37c, Hou37d, Hou36]. **curve** [EVZP99, EVZP00]. **curve-fitting** [EVZP99, EVZP00]. **Curves** [Hou50a, Hou50c].

**D** [Fit46, Hou60a, Rei47, Ski46, LSA13, WZBW18]. **d'Aire** [Hou35]. **damped** [KT77]. **Dandelin** [Hou59c]. **Danilevskii** [Hou64c, Hou75b, Hou06b]. **DAP** [BM85, MB84]. **Dartmouth** [Hou47b]. **Data** [WZBW18, Hou63b]. **Decay** [Hou50a, Hou50c]. **December**

[Bau74, HC54, Hou56d, HC65].  
**decomposing** [MS78]. **Decomposition** [GL87, CSR10a, CSR10b, CUSR88a, CUSR88b, EG02, FYZ08, KI17, KYP13, MNS08, MYZ12, SAAE08, SEAA08, SL06a, SL06b]. **Decompositions** [Rus18].  
**definition** [RS86a]. **Definitions** [Hou41c].  
**Deflating** [Hou61b]. **deflation** [Fie01, NLSJ17, pWqSmZ14]. **delayed** [HA37]. **Dense** [Kau79]. **Department** [P.71, Rhe72]. **Dependence** [Hou37c, Hou37d, Hou36]. **Derivative** [YSLZ13]. **derivatives** [CM08, NTKN16, NG07]. **Description** [BHO<sup>+</sup>67]. **Design** [ME06, MVC<sup>+</sup>16b, MVC<sup>+</sup>18, RDB05, KKM<sup>+</sup>96, MVC<sup>+</sup>16a, Hou53a]. **Detailed** [Hou40b, Hou40c]. **detection** [WWX07].  
**Detector** [JZZ08]. **Determinant** [Hou70b, Hou71b]. **determinants** [HS69b].  
**Determination** [HF71]. **determining** [Xu00]. **DFE** [IADM<sup>+</sup>10]. **DFT** [KKM<sup>+</sup>96].  
**diagonal** [ZL10]. **diagonalisation** [RH99].  
**Diagonalization** [Ber90, NLSJ17, RS05, YH11, ZL10].  
**Diagonals** [DHHR08, DHHR09]. **diagram** [Hou45b]. **Dictionary** [Hou55e]. **Difference** [Hou56c, Hou56i]. **Differential** [EH15].  
**diffusion** [HW42]. **Digital** [HHW55, Hou55a, Hou54c, Hou561].  
**Dimensional** [DZY18]. **Direct** [BEH12].  
**Direction** [HCB15]. **Direction-of-arrival** [HCB15]. **discrete** [LC91]. **discrimination** [Hou39b, Hou40a, Hou40f, Hou40a].  
**Discussion** [YH38, Gu83]. **Discussions** [Hou37b, Hou42b]. **distances** [Bro87, Hou40f, YH38]. **Distributed** [PR87, PR89]. **distribution** [WH41].  
**distributions** [ZL10]. **Division** [HC54, HC65]. **DM** [H.70]. **domain** [HBC17, MS76]. **dominant** [Fie01]. **Dover** [I.75]. **Downdating** [BS91, vdGV11]. **Dr.** [Hou26]. **Dresden** [Hou40e]. **DS** [dCWA03].  
**DS-CDMA** [dCWA03]. **Dundee** [HWG98].

**Dunod** [Hou61a]. **dynamic** [FYZ08, PSS97]. **dynamical** [AJI88].  
**Dynamics** [Hou45a, Hou45b].

**E.** [Hou35, Hou40b]. **E1772** [CHY66]. **each** [P.71]. **Early** [BHMU85]. **ECG** [JA14].  
**edition** [Hou60a]. **Editor** [Hou63c, RW62, Wil75c]. **Eduard** [BGHS79]. **Education** [BRSS94]. **EEG** [KI17]. **effect** [Hou43d]. **efficiency** [Hou45b]. **Efficient** [CM97, He11, HMA18, MVC<sup>+</sup>16a, MVC<sup>+</sup>16b, MVC<sup>+</sup>18, MHRB16, RH99, SV89, pWqSmZ14, dCWA03]. **Eigen** [TAC18]. **Eigenlösungen** [Hes42].  
**Eigenproblem** [Wil60]. **eigensolutions** [Hes42]. **Eigensystems** [Mue66b, Mue66a].  
**Eigenvalue** [NLJ13a, Ort62, Ort63, Rus18, NLJ13b, xZxGpL09]. **Eigenvalues** [HVW70, New65, Hes42, Ral93].  
**eigenvectors** [HF71]. **Eigenwerte** [Hes42].  
**Einzeldarstellungen** [Sch69, Sch70].  
**electrolytes** [HW42]. **electronic** [BEH12, Hou561]. **Elementary** [CHY66, Hou40d]. **elements** [Hou58b, WH41]. **Elimination** [Hou70a, MM94a, MM94b, KI17].  
**Embeddings** [EH15]. **Emphasis** [Hou56b].  
**employing** [dCWA02]. **Encoders** [TW16].  
**encoding** [LC91]. **Ending** [HC54, Hou56d, Hou56e, HC65].  
**Endmember** [LZ12]. **energy** [SM13].  
**Engineering** [IKV06, IKV07, SM07].  
**English** [Hou55e]. **Enough** [Ste11].  
**environments** [HCB15]. **enzyme** [HG43].  
**Equation** [Hou70e, Hou43b, HP93].  
**Equations** [Bri92, Hou50b, Hou56c, Hou56i, Hou67, MM94a, MM94b, RS85, Rei67, CM08, Hes42, Hou51b, Hou70d, MNS08, NTKN16, NNM07, NG07, Rhe72, Hou40d, Hou67].  
**Equivalence** [Hou44b, SAA14]. **Erratum** [Hou68b]. **Error** [CH23, Hou55a, Hou56c, Hou56i, Hou58d, Ort62, Ort63, SAA09, YFS21, MYZ12, ZXLL17]. **Errors**

[Hou53b, Hou54c]. **Espaces** [Hou35]. **Essays** [MHR80]. **Establish** [Smi12]. **estimation** [Cic92, HCB15, Yu91]. **estimator** [Cui13]. **etc** [Hou64c, Hou75b, Hou06b]. **Etymological** [Hou37b, Hou37a]. **Euclid** [Hou74a]. **Euclidean** [BH60b, FL99]. **Europe** [Nof10]. **Excitation** [Hou38b, Hou39c, Hou43a, Hou44b, Hou44c]. **exciting** [LH39]. **Excursion** [Hou37b, Hou72c, Hou74c, Hou37a]. **Expanding** [AAHVR17, HB59]. **Expansion** [TAC18, Pet13]. **Experimental** [SH49]. **Experiments** [SH50, Wal88a, SH51]. **Exponential** [Hou50a, CKL01, Hou50c]. **extension** [SSCT14]. **Extensions** [HL69]. **Extraction** [LZ12, AMACH00]. **Eye** [Hou47b].

**F** [Sch69, Sch70]. **F.** [Sch69, Sch70]. **Face** [He11, SAS10]. **factor** [Hou44c]. **Factorial** [YH40]. **Factoring** [CB90, CB89, HS69a]. **Factorization** [BS91, CM97, CH23, CH97, CH98b, DTLD15, 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** [EJ23, 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]. **Fifty** [EJ23]. **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, LXYW09]. **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, HCX12]. **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, Tan83, 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, Bri90, Bri92, Bro87,  
 BKK17, BKK18, BB08, BG65, CRPZ92,  
 CSR10a, CSR10b, DWA99, CM97, CG93,  
 CUSR88a, CUSR88b, CK02, CKL01, CY97,  
 CV94, Cic92, Cio90, CLF10, CLF12, CH23,  
 CH97, CH98a, CH98b, Cui13, Cup84, CB89,  
 CB90, Dan76, Dax04, DS76, DHHR08,  
 DHHR09, DBG<sup>+</sup>13, DHWZ09].

**Householder** [DV00, DV03, Dja06, 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]. **Householder**  
 [MSV09, MYZ12, Mue66a, 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, RGP16a, RGP16b, Rus18, SAS10, SAA09, SAAE08, SEAA08, SAA14, SB16, SL06a, SL06b, SV89, Sha23, SSY96, Smi12, SSCT14, SAW98, Ste88, Ste79, Ste93, Str09b, Str09a, Str09c, Suz15, TAC18, Tan81, Tan82, Tan83, 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]. **Householder** [Xue83, YC97, YJ01, YR05, Yan89, YL12, YSLZ13, YFS21, 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]. **Infinitemesimal** [Hou56b]. **influence** [RH41]. **Information** [P.71]. **Inner** [Sha23]. **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]. **irrationalals** [Pet13]. **isometric** [Hou45b]. **Isotopic** [SH49]. **Issue** [Wil75c]. **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]. **Karl** [Hou42a]. **Kernel** [EH15, ZXLL17]. **CIAS** [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, Tan83, 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, Uri10, Wil62, YR05, xZxGpL09, dIRMP12]. **matrics** [FD87]. **Matrix** [EJ23, 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, Tan83, Wal88a, Wal88b, WZ18, Wil62, pWqSmZ14, Xu00]. **Methodes** [Hou35]. **Méthodes** [Hou61a]. **Methods** [Hou50b, Hou57d, Hou58c, HB59, Hou60a, HB60, SM07, AAHV17, 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]. **Mixed** [YFS21]. **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].

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Hou63c, Hou67, Hou70b, Hou71b, HA71, Hou79, I.75, Nel54, P.71, Rei47, Rhe72, Sch69, Sch70, Ski46, Var66, Hou52, Hou56a]. **Reviews** [Hou35, Hou40c, GMS<sup>+</sup>76]. **Revisited** [Dub00, JLQO<sup>+</sup>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]. **Rounding** [CH23, YFS21]. **Routh** [Hou68a, Hou68b]. **Row** [BNP93, CUSR88a]. **Rudolf** [Hou47b]. **Rüschlikon** [DH69]. **Russian** [Hou60a]. **Rutishauser** [H.70, Sch69, Sch70].

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**Springfield** [P.71, Rhe72]. **Square** [Hou40b,  
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**Square-root** [Str09c]. **squared**  
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**synchronous** [Hou43c]. **Synthesis**  
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 [DH69, GH66, HVW70, HA37, Hou74d].  
**theorems** [Bre68, Hou66]. **Theoretical**  
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 Hou75c, Hou06c, Var66, CLF10, Hou26,  
 Hou39a, Hou39c, Hou41c, Hou41d, Hou41e,  
 Hou42d, Hou43d, Hou44c, Hou49b, Hou68e].  
**third** [Hou60a]. **Three**  
 [EJ23, RVS07, RVS08]. **three-state**  
 [RVS07, RVS08]. **tight** [FWW06]. **Time**  
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Hou26, HZLW10, WWK04a, ZL10].  
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[Hou71d]. **transducer** [Hec95]. **transfer**  
[FD87]. **Transfers** [SH49]. **Transform**  
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DWA99, CY97, Luo00, MSF81, Suz15, Xu00,  
YC97, Yu91, ZL10, Hou55f].  
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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].  
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**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].  
**U** [P.71, Rhe72]. **Unitary** [Hou58e, IV07,  
CSR10a, CSR10b, IV08, KZ76, Uri10]. **units**  
[KH54]. **University**  
[Hou44a, Hou47b, Hou63b, Var90].  
**Unraveling** [Nof10]. **up-and-downdating**  
[vdGV11]. **updates** [Rol90]. **Updating**  
[Cup84, DWA99]. **Upon**  
[Hou37c, Hou37d, Hou36]. **upper**  
[GN86, LWZ90, SB16]. **Urban** [DHWZ09].  
**Urbana** [Hou63b]. **USA** [Ano72]. **Using**  
[BNP93, BB08, He11, JA14, MHRB16,  
MB84, MM94a, MM94b, SH49, Smi12,  
WZBW18, BL70, BM85, CUSR88a,  
CUSR88b, CKL01, DS76, Dou00, EVZP99,  
EVZP00, FD87, GL06, GN86, KKM<sup>+</sup>96,  
KCN99, LHY90, MNS08, MSF81, MSV09,  
SAS10, SL06a, SL06b, TW16, Wal88b,  
Yan89, Yu91, ZL10, ZXLL17].  
**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**

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**W** [Hou42a, Hou53a, Sch70]. **water** [Hou49a]. **Webber** [Hou64c, Hou75b, Hou06b]. **Webber-Voetter** [Hou64c, Hou75b]. **Weber** [HY40]. **Weighted** [CH97, CH98b, CH98a, SSCT14]. **weights** [Hou40a]. **which** [DH55]. **Whitehead** [Hou26]. **Wiener** [HZLW10, WWK07, YSLZ13, dCWA03]. **Wilkinson** [BH87]. **William** [Hou40d, Hou42a]. **Window** [Str09a, KI17, Str09b]. **Wissenschaften** [Sch69, Sch70]. **Within** [SH49].

**x** [I.75, Ano98a, Ano98b, Ano98c, Ano98d, Ber90]. **X-MP** [Ber90]. **X-MP/48** [Ber90]. **XII** [CG93]. **xiv** [Hou63b]. **xv** [Hou60a]. **xvi** [Hou44a, Hou63c]. **xxvii** [Hou61a].

**years** [HHOT94]. **York** [Hou44a, Hou60a, I.75, Nel54]. **York-London** [Nel54]. **Young** [Bro87].

**Z** [Hou70c, P.71]. **Zdenek** [Hou56b]. **zero** [ZL10]. **Zeros** [Hou71d]. **zur** [Ost56]. **Zürich** [DH69]. **Zürich-Rüschlikon** [DH69].

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