A Bibliography of Publications of *Alston Scott Householder*

Nelson H. F. Beebe
University of Utah
Department of Mathematics, 110 LCB
155 S 1400 E RM 233
Salt Lake City, UT 84112-0090
USA

Tel: +1 801 581 5254
FAX: +1 801 581 4148

E-mail: beebe@math.utah.edu, beebe@acm.org, beebe@ieee.org (Internet)
WWW URL: https://www.math.utah.edu/~beebe/

18 May 2024
Version 1.19

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]. ^{31} [PVB+92]. J [SB16, dlRMP12]. L_2 [Yan89]. L_∞ [Yan89]. Λ_S [MPT12]. LS [EVZP99, EVZP00, RT96]. M [FH59]. **G** [MMT04]. N [DZY18, Hou42d]. qd [Hou71e]. QL [RH99]. QR [BDG+14a, BDG+15, BM85, CM97, CH97, CH98a, CH98b, DHHR08, DHHR09, DBG+13, DTZ96, EG02, FYZ08, FIY15, He11, Hec95, KI17, KYP13, LMM96, MOHvdG15, MOHvdG17, MVC+16a, MVC+16b, MVC+18, MB84, MYZ12, OW90, Rol90, RZ99, SEAA08, VM03a, VM03b, XWW07, YFS21]. 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]. **-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].

RW62, Tan82, Tan83, YJ01, ZXLL17]. **Gleichungssysteme** [Hes42]. **GMRES** [HW86, SAW98, Wal88a, Wal88b]. **Goldstine** [Hou79]. **Goodness** [Hou40b, Hou40c]. **GPU** [DTLD15, HDT+15]. **GPU-Resident** [DTLD15, HDT+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+07, AAHVR17, AJI88, Ano78, Ano98a, Ano98b, Ano98c, Ano98d, Arm87a, Arm87b, Att05, Att06, BEH12, Bag08, BL70, BDG+14b, BDG+14a, BDG+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+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+15, HCX12, HL69, Hay66, He11, Hec95, Her83, HMA18, HW86, HD91, HD95, HP93, HZLW10, HCB15, HBC17, Irv11, Irv12, IADM+10, IKV06, IKV07, IV07, IV08, JA14, JZZ08, JLQO+06, KKM+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+16a, MVC+16b, MVC+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+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, Sha23, SSY96, Smi12, SSCT14, SAW98, Ste88, Ste79, Ste93, Str09b, Str09a, Str09c, Suz15, TAC18, Tan81, Tan82, Tan83, TLT91, TLHY92, TW16, TKV15, TKV16, Tre10, Tsa75, Urí10, 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$^+$10, RT08, BKK17, WWK04b]. **Householder-like** [AAHVR17, vdGV11]. **Householder-Matrices** [ABS$^+$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$^+$92]. **III** [Hou40f, Hou41e]. **ill** [LL97b]. **ill-conditioned** [LL97b]. **Illinois** [Hou63b]. **Illus** [Hou63b]. **images** [Hou63b]. **impedance** [WH41]. **Implementation** [Att05, BM85, IADM$^+$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]. **Infinitestimal** [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]. **irrationals** [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].

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]. **Square-root** [Str09c]. **squared** [Bro87, ZXLL17]. **Squares** [Arm87a, Arm87b, BG67, BG65, CH97, CH98b, HL69, PR68b, PR68a, PR69, RS85, Rei67, Bro87, CH98a, KCN99, KT77, LL97a, Ma97, Tan82, Tan83]. **Stability** [BS91, CH97, CH98a, CH98b]. **Stabilized** [BS89a, BS89b, AMACH00]. **stable** [MSF81, Wal88a]. **Stan** [HA71]. **standard** [KZ76]. **State** [SH50, Hou41c, Hou41d, Hou41e, Hou42d, RVS07, RVS08, SH51]. **states** [IV08]. **Statistical** [WH41]. **Steady** [SH50, Hou41c, Hou41d, Hou41e, Hou42d, SH51]. **steady-state** [Hou41c, Hou41d, Hou41e, Hou42d, SH51]. **Steffensen** [Dry92, Ost56, Dry92, Ost56]. **Stiefel** [H.70, Sch69, Sch70, BGHS79]. **stiff** [Wal88a]. **stochastic** [KH54]. **storage** [SV89]. **storage-efficient** [SV89]. **stratagem** [CUSR88a, CUSR88b]. **strategy** [FYZ08]. **striated** [Hou45b]. **Structure** [EH15, BEH12, Hou47a, LWZZ16, RDB05]. **structure-preserving** [LWZZ16]. **Structured** [CB90, CB89]. **structures** [WWK04b]. **Studies** [Hou39c, Sca74]. **Study** [HCX12, HBC17, DH55, PVB$^+$92]. **Sturm** [Hou74a]. **Stuttgart** [H.70]. **subarray** [HCX12, WZ18]. **Submitted** [CG93]. **subroutines** [Mue66a]. **Subspace** [Att05, Str09a, AMACH00, Att06, Dou00, Fie01, Str09b, Str09c]. **subspaces** [Irv11, Irv12, RMP18]. **summer** [Var90]. **Supercomputational** [EW90]. **Supercomputing** [ML88]. **Superscalar** [CM97]. **suppression** [HZLW10, WZ18, dCWA03]. **surface** [LSA13]. **Survey** [Hou57d, Hou63c]. **Survival** [Hou50a]. **SVD** [EG02, Str09b, Str09a]. **Switzerland** [DH69]. **Symbolic** [May09]. **Symmetric** [NLJ13a, Ort62, Ort63, CRPZ92, HF71, MRW68, MRW71, NLJ13b, NLSJ17, Wan87, Wil62]. **Symmetrischer** [H.70]. **Symplectic** [AB12, SEAA08, RMP18, SAA09, SAAE08, SAA14, SB16, YJ01]. **Symposia** [Mol13, Var90]. **Symposium** [Ano72, Bau74, CG93, HFG51, Hou63e, KM91, DH69, May09]. **synapse** [Hou42d]. **synchronous** [Hou43c]. **Synthesis** [GL06, IV07, IV08, TAC18]. **System** [HL44, Rei67, SH49, Hou46, MNS08, Fit46, Rei47, Ski46]. **Systematic** [EJ23]. **Systems** [BRSS94, Dja06, Hou50b, Hou54b, Hou55c, HB60, Hou67, IV07, SH50, XWW07, AJI88, CK02, GLZ93, HB12, Hec95, Hes42, Hou53b, Hou53c, KCN99, NS10, SH51, WH41]. **Systolic** [EG02, LHY92, LY90, TLT91].

T [Hou51a, HHW55, Hou63b]. **T1** [Hou51c]. **Table** [Hou71e, HS69b]. **Tall** [BDG$^+$14a, DBG$^+$13, BDG$^+$15, FIY15]. **Tall-Skinny** [DBG$^+$13]. **Tan** [Gu83]. **Tangent** [LSA13]. **Technical** [P.71]. **Techniques** [Hou56b, EVZP99, EVZP00, LBM90]. **technology** [YL12]. **Tennessee** [P.71, Rhe72]. **tension** [Hou45b]. **Terminating** [Hou55c]. **terms** [YH38]. **Test** [Hou40b, Hou40c, Smi12]. **Teubner** [H.70]. **their** [YH38]. **Theorem** [DH69, GH66, HVW70, HA37, Hou74d]. **theorems** [Bre68, Hou66]. **Theoretical** [TAC18]. **Théorie** [Hou35]. **theories** [Hou44b]. **Theory** [GH46, GH47, Hay66, Hou40d, Hou64d, Hou75c, Hou06c, Var66, CLF10, Hou26, Hou39a, Hou39c, Hou41c, Hou41d, Hou41e, Hou42d, Hou43d, Hou44c, Hou49b, Hou68e]. **third** [Hou60a]. **Three** [EJ23, RVS07, RVS08]. **three-state** [RVS07, RVS08]. **tight** [FWW06]. **Time** [DHWZ09, IADM$^+$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$^+$16b, MVC$^+$18, TAC18, DWA99, CY97, Luo00, MSF81, Suz15, Xu00, YC97, Yu91, ZL10, Hou55f]. **Transformation** [Att05, BG67, Bow11, DHWZ09, HMA18, Kau79, Kau87, LZ12, MVC$^+$16a, Tsa75, AMACH00, AJI88, Att06, Cic92, Cui13, FL99, GLZ93, Ger84, Gu83, HCX12, HCB15, HBC17, KZ76, LXYW09, LWZ90, LY90, LHY92, Liu93, LL97a, LSA13, LL97b, NO97, RDB05, RZ99, SSY96, Tan81, TLHY92, WWX07, Xue83, Yan89, YH11, ZXLL17, Zhu92, dCWA02]. **transformation-based** [Att06]. **Transformations** [Arm87a, Arm87b, BG65, DTLD15, Dub00, HDT$^+$15, IV07, MB84, NLJ13a, PR68a, PR69, RS85, Rus18, BL70, BS89a, BS89b, BM85, CSR10a, CSR10b, Dax04, DS76, DV00, DV03, Dou00, FD87, FWW06, Fie01, GL06, GN86, IKV06, IKV07, IV08, JLQO$^+$06, LWZZ16, LHY90, Ma97, MMT04, NLJ13b, RS86a, RS86b, Ral93, Rol90, RT96, SAA09, SAAE08, SEAA08, SB16, SL06a, SL06b, SV89, TLT91, Wal88b, Wan87, YJ01, vdGV11]. **Transforms** [RGPH16a, RGPH16b, RS88a, RS88b, Ste88]. **transient** [EVZP99, EVZP00]. **Translated** [Hou60a]. **Translation** [GHL67]. **trapped** [IV08]. **trapping** [RVS07, RVS08]. **Treatment** [Hou70e, Rhe72, Hou70d]. **tri** [Hou42c]. **tri-axial** [Hou42c]. **Triangular** [BKK18, Cup84, BKK17, GN86, LWZ90]. **Triangularization** [Hou58e, Tre10]. **tridiagonal** [Wan87]. **Tridiagonalization** [Hou58d, CRPZ92, CUSR88a, CUSR88b, GBCW89, MRW68, MRW71, SSY96]. **Trigonometry** [Hou42b]. **Trude** [Hou72c]. **Trudi** [Hou74c]. **TSQR** [BDG$^+$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, Urí10]. **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$^+$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$^+$14a, DBG$^+$13, Hou54a, BDG$^+$14b, BDG$^+$15, Hou64c, Hou75b, Hou06b, LSA13, RMP18]. **Verfahren** [Ost56, Her83]. **Verlag**

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