A Bibliography of Publications of Nicholas John Higham

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Abstract

This bibliography records publications of Nicholas John Higham.

Title word cross-reference

1 [CH01a, CH01b, HT00]. 2 [HR14b]. 3×3 [HN16]. **$57.00** [Hig05a]. ^{T} [Hig99f]. a [CDHJ07]. $\mathbf{A}^\alpha$, $\log(\mathbf{A})$ [HHT08]. $AX - XB = C$ [Hig92f, Hig93f, Hig93e]. $C_n(x)$ [Hig93b, Hig96b, Hig97a]. f [DH05]. $f(A)b$ [DH05]. J [Hig03a]. LU [DHS95, FH21b, HHP21, HM22b]. $\mathrm{LDL}^{\mathrm{T}}$ [Hig97f]. p [BHM05, GH06, Hig92a, HL11a]. QR [CH97b, Hig90h, Hig91b, Hig98a, Hig00a, Hig03b]. $S_n(x)$ [Hig93b, Hig96b, Hig97a]. $s \exp(s) = a$ [CDHJ07]. W [CDHJ07, FHI15].

-Norm [CH01a, CH01b, HT00, Hig92a]. **-Orthogonal** [Hig03a]. **-th** [HL11a].

0 [Hig05a]. **0-471-11111-2** [Hig99a]. **0-89871-561-X** [Hig05a].

100-Digit [Hig05a]. **17th** [HWG98]. **1986** [IP87]. **1992** [MGD93]. **1997** [HWG98].

2017 [BBdD17]. **24th** [BBdD17].

60th [Hig92b]. **679** [DDHD90].

'98 [ALM99].

accelerate [HBT+20]. **Accelerating** [CH18]. **acceleration** [HS16a]. **Accuracy** [CH97a, CH99c, Hig89a, Hig96a, Hig98e, Hig99d, Hig02a, Hig05a, CH00a, CHKL01, Hig93a]. **Accurate** [BHM20, Hig90f, Hig98a, CH17, Hig00a, Hig00b]. **Accurately** [BHH21]. **Acta** [Hig96d]. **Action** [AMH11, HK17, Fis17]. **Adaptive** [ADF+19]. **Add** [BHL+19, BHL+20]. **Advanced** [MGD93]. **Again** [HS98]. **Al** [Fis17]. **Al-Mohy** [Fis17]. **Alan** [Hig06a].

Algebra [ACD+21, DDHD90, HH22, Hig85b, HS87, Hig94d, Hig94e, Hig95e, Hig97d, Hig97j, Hig98e, Hig99a, Hig99b, Hig00c, HHL01, Hog07, MGD93, HM20, HM22a, MP93, Hig99e]. **Algebraic** [Bro07, GH07]. **Algorithm** [AMH10b, BHH93, CH96b, CH98a, CH01a, CH01b, DH03, GHT10, Hig88a, Hig91a, HP94a, HP94b, HT00, Hig03b, HL11b, HL21, AMH09b, BH10, FHI15, FH19, Fis17, GHT09b, HL13, HN16, DDHD90, Hig89c]. **Algorithms** [AMH12, AH16, BHM05, BHM20, DH16, DH90b, DH92a, Hig86b, Hig87b, Hig90k, Hig96a, Hig98e, Hig99d, Hig02a, Hig06b, NH13, AMHR15, BHP03a, DGH20, FH18a, HH05a, HM22a, Hig96f]. **Alley** [Hig01b]. **alternating** [HS16a]. **always** [CDHJ07]. **Analysis** [ALM99, BHL+19, DHT01, Hig87b, Hig90a, Hig90k, HK93a, Hig97e, Hig98b, Hig99d, Hig06a, HM19a, IP87, THDC09, BBDH14, BHL+20, CH17, CHM21, DW97, Hig93e, HWG98, HK00, HM20, ALM99, Hig02d]. **Analyst** [Hig99c]. **analyzing** [GHT11]. **Anderson** [HS16a]. **Anonymous** [Hig92c]. **Anton** [Hig95e]. **Anymatrix** [HM22c]. **Appl.** [Hig93b, Hig96b, Hig97a]. **Application** [AMH09a, AMH11, BHL+19, HT00, HSŠ16, HPZ19, AMH08, AH14, BHL+20, CH17, GHP18]. **Applications** [Hig86a, Hig88a, Hig89c, Hig89e, Hig90j, Hig95e, Hig07b, MP93, MGD93, TH02, HT02, TH01, Hig06b]. **Applied** [GH04, Hig99a, Hig00c, Hig02e, HDG+15, MP93, Hig14]. **Applied/Computational** [GH04]. **Approach** [HM19a, AHTW01]. **approximants** [Hig01a]. **Approximating** [CH00a, CHKL01]. **approximation** [AMH10a]. **Approximations** [HM19b]. **April** [IP87]. **Arbitrary** [HS90, FH19]. **Arc** [GHT10, GHT09b]. **Arising** [HC96, HC98]. **ARITH** [BBdD17]. **Arithmetic** [BBdD17, Hig91d, HK95, Hig02e, Hig17, Hig18e, HP19, HTDH18, HP21]. **Arnold** [Hig02d]. **Art** [IP87, DW97]. **associated** [HTV02]. **asynchronous** [BBDH14]. **August** [Bro07, MGD93].

Backward [CH98c, CH98d, CH99b, CH00b, HH92a, Hig92f, HH96b, HH98, HH99, HLT07, HLT08, NH12, CHM21, Hig93f, Hig93e, HM20]. **Baker** [HF17]. **Baltimore** [Hig90i]. **Barnett** [Hig90j]. **barycentric** [Hig04]. **Based** [CH96b, CH98a, AHH16, CHP20, SLEK19]. **Basic** [ACD+21, DDHD90, HM20, Hig85a, Hig86c]. **Batched** [ACD+21]. **Behavior** [HK93b, Hig07c]. **Belgium** [MGD93]. **bfloat16** [Hig18e]. **Biennial** [HWG98]. **Bini** [Hig96f]. **Birkhäuser** [Hig96f]. **Birmingham** [IP87]. **Birthday** [Hig92b]. **Björck** [Hig87b]. **BLAS** [DDP94, DH90b, DH92a, Hig90e]. **Block** [BHL+19, CH01a, CH01b, DDP94, DH90b, DHS92, DH92a, DHS95, Hig97f, HT00, HSŠ16, ADF+19, BHL+20, Hig99f, HM22b]. **block-Jacobi** [ADF+19]. **Bohemian** [Hig18b]. **Book** [Hig98b, Hig99a, Hig99b, Hig05a]. **Books** [Hig99b]. **Bornemann** [Hig05a]. **Bounding** [Hig90b]. **Bounds** [CH98c, DH90a, DH93, Hig90c, HT01, HT03, HS16b, CH99b, Hig83b]. **Bruaset** [Hig96e]. **Bur.** [Hig93b, Hig96b, Hig97a].

C [Hig90i, Hig90j, Hig93b, Hig96b, Hig97a, Hig00c]. **Cambridge** [Hig96d, Hig02d]. **Canada** [Bro07]. **Canonical** [HMT10, HMT10]. **Cayley** [Hig08a]. **Celebrating** [HH19]. **centrality** [AHH16]. **CERFACS** [HHK93]. **chains** [MP93]. **Challenge** [Hig05a]. **Chebyshev** [Hig93b, Hig96b, Hig97a]. **Cholesky** [CH96b, CH98a, DHT01, Hig90a]. **Chris** [Hig95e]. **Christoph** [Hig98b]. **Christopher** [HF17]. **Chu** [Hig06b]. **Class** [BHM20].

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early [Hig08a]. **Editing** [Hig01b]. **Edition** [Hig90i, Hig95e]. **eds** [Hig90j]. **Efficient** [HH05a, Hig86b, NH13]. **Eigenproblem** [DHT01]. **Eigenproblems** [HLT08, GHT11, HLT07]. **Eigenvalue** [CH98b, GHT09a, HH96b, HH98, HH99, Hig06b, NH13, TH02, BHM+13, CH99a, GHT08, HTV02, HT02, HMTG08, TH01]. **Eigenvalues** [HT01, HT03]. **Eighth** [HHL01]. **Elementary** [Hig95e]. **Elements** [HR16]. **Elimination** [CH98d, CH00b, HH89, Hig90b, Hig90f]. **elliptic** [HTV02]. **Embree** [Hig07c]. **Engineers** [Hig01b, Hig06a]. **Enhances** [Hig90h, Hig91b]. **entropy** [LHP14]. **EPSRC** [ALM99]. **Equality** [CH97a, CH98d, CH99c, CH00b, BHP03a]. **Equation** [GH07, HK02, HK00, HK01].

Equations [Hig90h, Hig91b, Hig91c]. **Error** [BHL+19, CH98c, DH90a, DH93, Hig87b, Hig90b, Hig90c, HH92a, Hig92f, HK93a, HH96b, HH98, HH99, HLT08, HM19a, HM19b, BHL+20, CHM21, CH99b, Fis17, Hig93f, Hig93e, HLT07, HM20]. **errors** [DH13]. **Essex** [Hig96e]. **Estimating** [Hig88a, Hig89c, Hig92a, HR14a, HR16, AMHR13]. **Estimation** [AMH09a, CH01a, CH01b, Hig87c, Hig88a, Hig89c, HT00, AMH08, Fis17]. **Estimator** [Hig90d]. **Evaluating** [Hig01a]. **Ever** [HS98]. **Exact** [HK02, HK01]. **Exercises** [Hig02e]. **exp** [BHH21]. **Experience** [Hig90d]. **Explicit** [GHP18]. **Exploiting** [Hig90e, HP21]. **Exploits** [HM19b]. **Exponential** [AMH09a, AMH10b, AMH11, Hig05d, Hig09, AMH08, AMH09b, AH14, AHH16, FH19, Fis17]. **exponential-based** [AHH16]. **extensible** [HM22c]. **extreme** [FH21a]. **extreme-scale** [FH21a].

F [Hig90i]. **Fête** [Hig92b]. **Factor** [BHR10]. **factorisations** [HLS21]. **Factorization** [BHP03b, CH96b, CH98a, CH97b, CH98e, DHS92, DHS95, FH21b, Hig90h, Hig91b, Hig97f, Hig98a, HM19b, HHP21, Hig99f, Hig00a, Hig00b, HM22b]. **Factorizations** [Hig07b]. **Factorizing** [Hig96c, Hig98c]. **Factors** [DH00, HH89]. **Fast** [BHM20, DH90b, DH92a, Hig88c, Hig90e, Hig90g, HS90, HTDH18]. **Featured** [Hig99b]. **Field** [BH95, BH96]. **FIMA** [FH18b]. **finance** [Hig02b]. **Finite** [HK93b, HK95]. **Fitting** [Hig99c]. **Fixed** [HSŠ16]. **Floating** [Hig91d, Hig02e, HP19, Hig93a]. **Floating-Point** [HP19]. **focus** [Hig18d]. **Folkmar** [Hig05a]. **form** [HLS21]. **FORTRAN** [Hig88a, Hig89c]. **fp16** [Hig18e, HTDH18]. **Fractional** [HL11b, HL13]. **Framework** [SLEK19, GHT11]. **Fréchet** [AMH08, AMH09a, AMH10a, AMHR13, HL13, HR14a, HR14b]. **Free** [HL21]. **FTP** [Hig92c]. **Function** [DH16, Hig08e, AMH10a, AH14, CDHJ07, FHI15, HR14a, LHP14]. **Functions** [AH16, DH03, HMMT05, Hig07a, Hig08b, HR14b, HL15, HK17, HL21, NH18, BHH21, DH05, HHT08, HAM10]. **Fundamental** [Hig96f]. **Fused** [BHL+19, BHL+20].

G [Hig90i]. **Gaussian** [HH89, Hig90b, Hig90f]. **Gene** [Hig06b, CGO07, Hig08c, Hig08d]. **Generalized** [CH98b, DHT01, HH96b, HH98, HH99, HMT10, CH99a, HMT10]. **Generating** [FH21a, HHP21]. **Generation** [DH00, Hig03a]. **given** [MP93]. **Gives** [Hig16a]. **GMRES** [CHP20]. **GMRES-based** [CHP20]. **Golub** [Hig90i, Hig06b, CGO07, Hig92b, Hig08c, Hig08d]. **Gover** [Hig90j]. **GPU** [BHL+19, BHL+20, HTDH18]. **GPUs** [HBT+20]. **Graduate** [ALM99]. **Greet** [GH04]. **Groups** [HMMT04, HMMT05]. **Growth** [HH89, HHP21]. **Guide** [ALM99, HH00, Hig01b, HH05b, HH17].

H [CGO07, Hig90i, Hig06b, HF17]. **Half** [Hig18e, HPZ19]. **Hand** [HH92b]. **Handbook** [Hig93c, Hig94b, Hig98d, Hig20, Hog07]. **hardcover** [Hig05a]. **Hardy** [HH19]. **Harnessing** [HTDH18]. **held** [IP87, MP93]. **Henk** [Hig00c]. **Hermitian** [CH98b, CH99a, GHT09b, GHT10, HTV02]. **High** [Hig00c, Hig05a, THDC09, DGH20]. **High-Accuracy** [Hig05a]. **High-Performance** [Hig00c, THDC09, DGH20]. **Higham** [Fis17]. **Higher** [HR14b]. **Historical** [Hig16b]. **Hopkins** [Hig90i]. **Hosts** [HHK93, Hig97c]. **Householder** [CH97b, CH98e]. **Howard** [Hig95e]. **Hundred** [Hig02e]. **Hyperbolic** [AH16, BHP03b, GHT09a, HK17, GHT08, HTV02].

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[Hig88c, Hig03a]. **Overton** [Hig02e]. **Own** [Hig08c]. **Oxford** [Hig90j].

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