

# A Complete Bibliography of Publications in *Journal of Numerical Linear Algebra with Applications* and *Numerical Linear Algebra with Applications*

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](mailto:beebe@math.utah.edu), [beebe@acm.org](mailto:beebe@acm.org),  
[beebe@computer.org](mailto:beebe@computer.org) (Internet)  
WWW URL: <http://www.math.utah.edu/~beebe/>

07 March 2006  
Version 1.16

## Title word cross-reference

(2, 2) [Li00]. ( $m, k$ ) [MN00]. ( $q$ ) [Jia96].  
2 [AM96, Mar94, NBKS99, vKWW00].  
 $2 \times 2$  [Kol05]. 3 [GKY97, NBKS99, PM97, PR96, mMP99, vKWW00].  $\mathcal{K}$  [Mar95].  
GMRES( $k$ ) [KY95].  
 $H$  [AMM04, Chu04, Leb02].  $H^1$  [AMM04].  
 $ILU$  [CGK94].  $\lambda$  [FLPW01].  $l_p$  [Dax94].  
 $LU$  [KNY00, DHS95, Saa94].  $M$  [BCC98, Kra02, LSL01, vN00, Bea94, BNT94, Sau95].  
 $\mathcal{H}$  [HK02].  $O(N)$  [Sac05].  $p$  [Beu03, GKY97].  
 $QMR$  [FH94].  
 $QR$  [ADP96, FG02, AG95, CH94].  
 $SSOR$  [JO94].  $\sum_{i=1}^n f_i(z_j)x_i = g(z_j)$  ( $j =$

1, 2,  $\dots, n$ ) [IMBD96].  
 $U^\top U + U^\top R + R^\top U$  [Kap98].  
 $uT(A)v$  [GR04].  $V$  [Lai97, Not98].

-conforming [AMM04].  
-cycle [Lai97, Not98].  
-decomposition [Kap98].  
-dominated [AMM04].  
-factorization [KNY00]. -factors [Bea94].  
-matrices [BNT94, BCC98, Kra02, LSL01, vN00]. -matrix [FLPW01, Sau95, HK02].  
-monotonicity [Mar95].  
-multisplittings [BCC98].  
-optimization [Chu04].  
-partitionings [GKY97].  
-self-adjoint [Leb02]. -step [Li00].

**-version** [Beu03].

**0-521-48296-8** [Nab97].

**2D** [BCV03]. **2nd** [Kap02].

**3-D** [BG02]. **3D** [MM02, NH98].

**60th** [Vas03].

**70th** [Vas05].

**'97** [Axe98]. **98** [Axe99].

**ABS** [SCD94]. **ABS-type** [SCD94].

**Acceleration** [DE06].

**Accuracy** [LL97, BS01, SWKW98].

**accurate** [KR06, LWW01, Van00].

**achieving** [SWKW98]. **acoustic** [mM04].

**activity** [MC04].

**adaptive** [BLE97, BE98, DHR<sup>+</sup>04, Fer96, LM06, MWZ06, SWKW98, Ver00].

**additive** [CL96, CZ02, KD92].

**adjoint** [Leb02]. **adjustments** [FLR03].

**advection** [BCV03].

**advection-diffusion** [BCV03].

**aerodynamic** [LW04].

**agglomeration** [IV04].

**aggregation** [MM98, NY03]. **aggregation/disaggregation** [MM98]. **AILU** [GN00].

**AINV** [KKNY01]. **AINV-type** [KKNY01].

**algebra** [JNL92, NLA94, BM05a, CSCTP05, Dat01, Mar00, MH05, PLH05].

**Algebraic** [Ada04, AN94, GL95a, Kra06, LOS04, Not05b, Pfl99, Sim03, BDV06, GMOS06, Kra02, Kuz92, LSS03, Liv04b, Lu05, MM95, MBW97, Not98, Not02b, PM97, RS02, SS02, Sha99, vN00].

**algorithm** [AG95, BCK05, BPS95, BBP01, CC03, ER96, FG02, FO95, Gan99, JR94, Jou94, Kap99, KNY00, Liv04b, MCH01, MLH05, MC04, OC04, Roh92, SW96, Shi04, SS97, SWKW98, Sto92, VBM05a, Van00, Vla00]. **Algorithms** [GL96, AH02, AMP99, BH04, Bun92, CL96, CS96, Cao04, CJT03, DMY03, FP95a, FFZ05, FH94, HJR97, HR05, HP95, Kub92, Lai97, LW98, Mar98, Mat96, Pfl99, Sac05, Sha98, SCD94].

**Almost** [ACR<sup>+</sup>00, AMP99]. **along** [MM95].

**Alternative** [GS99]. **Alternatives** [Sid97].

**AMG** [LOS04, BBM<sup>+</sup>06, Vas02].

**AMLI** [Beu03, Mar98]. **among** [Par92].

**analyses** [PM97]. **Analysis** [BBP01, Mat96, SPD05, Sha98, Bat95, CDW06, HJR97, HHvR04, LV04, mMvdV02, MM98, MM02, PV99, Pfl99, Saa00b, Sha99, The98, vRH05].

**analytic** [GN00, IT05]. **analytical** [SSB04].

**angle** [DMY03].

**anisotropic** [Höm06, KW99, KNP03].

**anti** [Per06, XHZ03].

**anti-persymmetric** [XHZ03].

**anti-reflective** [Per06].

**Application** [CC03, Ibr02, MBW97, AM96, BGW05, BCC98, Car97, GKK04, Vas02, BG02, Leb02].

**applications** [Ada04, ACR<sup>+</sup>00, JNL92, NLA94, BKP02, BF96, CNP96, CCLN05, CNY05, FJ05, FH94, Kub92, MH05].

**applied** [BCK05, CH05, LMM00].

**approach** [AMM04, DY04, DS02, FLPW01, HG00, KD92, KNX01, LHM02, MM97, RT02, Ste99]. **approaches** [KNY99, Mav01, NH98].

**appropriate** [KV96].

**Approximate** [Bea94, BPS00, MGF<sup>+</sup>02, PPv95, Gus03, Huc98, KKNY01, KNY99, KM92, LS04, NY03, VW97].

**Approximating** [DE98, SS97].

**approximation** [AH02, BCV03, DK95, HK02, SLH04, XHZ03].

**approximations** [CYZ99, FY01, HJR97, Per06]. **arbitrary** [HR05].

**architectures** [FO95].

**arising** [AN03b, Gem00, PM97, SMSW00].

**arithmetic** [DK95]. **ARMS** [SS02].

**arrow** [BFG95]. **Arrowhead** [Zha92].

**assignment** [LW04, LW05].

**associated** [CCG00, MO94].

**Asymptotic** [BGP97, CGK05, Tre05].

**Asymptotical** [DS02].  
**asynchronous** [Sch99].  
**augmented** [CS97, Zit05].  
**aware** [DHR<sup>+</sup>04]. **away** [IV04].  
**Axelsson** [Vas05].

**B** [Nab97].  
**Backward** [GL95a, Peñ03, Sun05, WKS95].  
**balance** [GSS01].  
**Balancing** [PY03, MD03]. **band** [HP95].  
**banded** [CSCTP05, CGK05, GSS01].  
**Barrier** [Gar01, Mar95].  
**based** [BG05a, BBM<sup>+</sup>06, CW97, Cho03, FP05, Fer96, GN00, GK97, HM03, IV04, Kap98, KY95, KXZ03, KNY00, LJ04, LM06, Naz95, NA97, Reu96, SW96, SPD05, WH94].  
**bases** [CV03]. **basic** [BR99, BB96, MLH05].  
**basis** [BGW05, BCHT04, Gan05, Sid97, VW97, Ver00]. **BCCB** [LJ04]. **BE** [PM97].  
**BE-FE** [PM97]. **behavior** [Jou94].  
**behaviour** [NSCTP05]. **BEM** [HPPS03].  
**Bernstein** [BGW05]. **Besov** [Dah02].  
**better** [Alb06, BG05b].  
**between** [Li00, Tre05].  
**biharmonic** [Osw95]. **Bingham** [HG00].  
**biomechanical** [TV99].  
**biomechanics** [Axe99, NBKS99].  
**birthday** [Vas03, Vas05].  
**bisymmetric** [yPyHZ04]. **black** [NA97].  
**Blended** [HK02, BM05a].  
**Block** [GK97, MPS96, PS00, ACR<sup>+</sup>00, BCM05, Bas00, CNY05, CV03, DHS95, Gro00, Hem96, HS05, KK02, KP00, KNY00, Kol05, Poi00, Ste95, Van00, WH94, YNP04].  
**Block-diagonal** [PS00].  
**block-semiseparable** [BCM05].  
**block-Toeplitz** [CNY05]. **blocking** [NO04].  
**blocks** [JS96]. **Book** [Nab97].  
**bordered** [HS05, HP95].  
**bordering** [KNY00]. **bound** [Mar94, SB03].  
**boundary** [BBP03, BWN05, IV04, Per06, PR95, Rja98, RT99]. **Bounding** [IK00].  
**Bounds** [Kol05, LS05, PPv95, WKS95, WL03]. **break** [HM96]. **Brualdi** [Nab97].

**BSSOR** [GKY97]. **Buckley** [IK00].  
**Bunyakowski** [AALS01]. **BVM** [LJ04].  
**BVM-based** [LJ04].

**C.B.S** [Bla03]. **C.B.S.** [AM96, Mar94].  
**Cache** [DHR<sup>+</sup>04, MWZ06].  
**cache-oblivious** [MWZ06].  
**CAGD** [BGW05].  
**calculation** [MK94, vKWW00].  
**Cambridge** [Nab97].  
**case** [EZ96, PLH05, Sha99].  
**Cauchy** [AALS01, FG02, SB03].  
**Cauchy-Bunyakowski-Schwarz** [AALS01].  
**Cauchy-Hankel** [SB03]. **cavities** [AG99].  
**cell** [ELV94]. **cell-centered** [ELV94].  
**centered** [ELV94]. **centroidal** [DE06].  
**centrosymmetric** [HM03].  
**certain** [BDS94]. **CFD** [Tur00].  
**CG** [Bla02]. **chain** [FH94]. **chains** [BDS94, BCC98, KNX01, MPS96, NX03].  
**Change** [Gan05]. **Changing** [Mee01].  
**channel** [PLH05]. **Chasing** [Zha92].  
**Chebyshev** [Li00]. **Cholesky** [EM95, FP95a, JO94, Kap02, RTN03, Sau95].  
**circuit** [BvdV00]. **Circulant** [CC92, JLW05, CNY05, HN05, SPD05, YNP04].  
**circulant-plus-diagonal** [HN05].  
**class** [IK00, SPD05, SCD94].  
**classic** [MM97]. **classification** [GMOS06].  
**CLJP** [Alb06]. **closure** [EJK01].  
**Coarse** [GMOS06, KV96].  
**Coarsening** [Liv04a, BBM<sup>+</sup>06, GMOS06, IV04, Mar98, Wan00]. **code** [Bra02].  
**coefficient** [DHR<sup>+</sup>04, GVT03, Sau95].  
**coefficients** [BKP02, Wan00].  
**collapsing** [BB01].  
**Combination** [Not02a, Shi02].  
**comments** [NT04].  
**Communication** [Lai97, Yon96].  
**Comparison** [CGK94, Li00, AG99, BB96, CP99, FLR03, FP95b, GLOW04, KP00, Not05b]. **compatible** [Liv04a].  
**compensated** [AK94].  
**complement** [KW99, KNX01, LW03],

Rak99].

**complements** [BG05a, Kra06, NX03].

**Completely** [GL95b].

**completion** [EHM95].

**complex** [AK00, IK00, Not05a, SS97].

**complexities** [Alb06]. **complexity** [FFZ05].

**component** [MM02]. **composite** [Fer96].

**compression** [Ibr02].

**Computation** [EJK01, AT00, BV00, Chu04, Huc98, MHK04, MGF<sup>+</sup>02, NX03, Sid97].

**computational** [GS97, Mar00].

**computations** [Axe98, Kho96].

**Computed** [GL95a].

**computer** [DK95, GL02].

**computers** [JO94, MM97].

**Computing** [Dax04, MRT98, BGW05, CfX05, DE06, FM99, KNX01, KR06, MM98, RT02]. **concept** [Mey94].

**concerning** [BM05a]. **condition** [BT92, BG05b, CCG00, CDW06, EHM95].

**conditioned** [NCV05]. **conditions** [Per06, Szy94, XHZ03, Zít00, Zít05].

**conduction** [AJ94].

**conforming** [AMM04, BMN05, KM99].

**conic** [Naz95]. **conjugate** [AM95, BGP97, BB96, DMY03, DR03, Hac92, Kap94, Kap02, MO94, Mey94, Not02a, PR95, Wei94].

**conquer** [KNX01]. **Conservative** [AIT05a].

**Consistency** [FLR03].

**consistently** [Bea94].

**constant** [AM96, Mar94].

**constrained** [Ada04, AN03b, DR03, ER96, GW00, LV98, NBKS99, Sto92, Vla00].

**constraint** [MRT02, yPyHZ04].

**constraints** [Dob99, Lay05, MD03].

**constructing** [KKNY01, NY03].

**constructions** [YNP04].

**contact** [Ada04, Hla99, IV04, NO04].

**Continuation** [DF01, CWS97, CC03].

**control** [Dat01, LW05]. **convection** [BR99, FY01, HP97, KXZ03, vRH05]. **convection-diffusion** [BR99, FY01, KXZ03, vrH05].

**Convergence** [CL96, CP99, MD03, MM98, NH98, Sch99, Zít05, AJ94, BS01, BGP97, BR99, CZ02, Che02, CJT03, FVZ05, GR99, Jou94, Kap94, Kap05, KPV06, Li00, MRT96, PS95, Szy94, Zít00, vdE02].

**convex** [Car97, LMV04, Shi02, Shi04].

**core** [BH04]. **correction** [CS02, GS99].

**corresponding** [AT00].

**coupled** [GLOW04, HMS99, LPV01].

**coupling** [HPPS03]. **couplings** [Yot01].

**crack** [CKW02]. **Crout** [May05].

**Crouzeix** [SSB04].

**Crouzeix-Velte** [SSB04]. **cubic** [HLLW05].

**cycle** [Lai97, Not98]. **cylindrical** [HG00].

**Czech** [FM99]. **Czech-US** [FM99].

**D** [GKY97, AM96, BG02, Mar94, NBKS99, PM97, PR96, mMP99, vKWW00].

**data** [BH04, PLH05].

**Davidson** [GS99, HLLW05, Not02a, vdE02].

**DCT** [CSCTP05]. **deblurring** [Don05].

**Decomposition** [CGK94, AN03a, AFK02, Bla94, Bla02, CS96, Car97, CGM01, CJT03, EM95, FLP00, GVT03, Gus03, HLM92, HC05, Ibr02, KD92, Kap98, Kap02, Kho96, KNP03, LR95, LMM00, MD03, MM02, PY03, Sau95, TV99].

**decompositions** [BF96, SSB04].

**deconvolution** [MLH05].

**Decoupling** [LVW01].

**deficient** [DE98, GS97]. **definite** [AIT05a, AV94, BT03, Kap98, Kol05].

**definition** [VBM05b].

**Deflated** [CS97, MN00].

**DEFLATED-GMRES** [MN00].

**degenerate** [Sto92]. **degree** [Gus04b].

**delay** [JLW05].

**dense** [CDGmM04, GTY97, Ver00].

**density** [NY03].

**dependent** [GS05, HG00, Sha98, vKWW00].

**derivatives** [AT00]. **derived** [BDV06].

**deriving** [Mey94]. **descent** [Shi02, Shi04].

**design** [AG99, BCK05, SMSW00].

**designs** [LW05]. **device** [GMR05].

**DFT** [Not05a]. **Diagonal** [SZ99, ACR<sup>+</sup>00, Fas05, HN05, HS05, MCH01, Par03, PS00].

**diagonal-plus-semiseparable** [Fas05].  
**Diagonally** [AK94, Yon96, MRT98, RT02].  
**diameter** [Par03]. **difference** [AJ94, FY01, Fer96, Gem00, SCD94]. **different** [Tre05].  
**differential** [JLW05, LW03, Rak99].  
**diffusion** [BCV03, BR99, FY01, Gan99, KXZ03, Mav01, OC04, WBWM04, vRH05].  
**dimensional** [AALS01, DY04, Rja98].  
**direct** [BBP01, CNY05, CS95, GMR05, HS05, MRT02, SW96]. **direction** [BB96].  
**Dirichlet** [Rja98].  
**discontinuous** [BKP02, EWY03, HHvR04, Wan00, WBWM04, vRH05].  
**discrepancy** [BC02].  
**discrete** [BCV03, KM92, SSB04].  
**discretization** [BS01, DP03, HHvR04, Lay05, LPV01].  
**discretizations** [LOS04, Osw95, RS02].  
**discretized** [KS04, vRH05].  
**disordered** [Sac05].  
**Displacement** [Bla94, WN05, Bla02, KM99].  
**displaying** [EJK01]. **Distortion** [BG02].  
**distributed** [FO95, JO94].  
**distribution** [GR05].  
**distributive** [GLOW04]. **div** [AMM04].  
**divergence** [MRT02]. **divide** [KNX01].  
**division** [Kub92]. **Domain** [CGK94, Car97, HLM92, KNP03, RVW98, AFK02, CS96, CGM01, FLP00, GVT03, Gus03, Kho96, LR95, LMM00, MD03, PY03, RT99, TV99].  
**domains** [Dah02, DS02, KM92].  
**Dominant** [Yon96, MRT98, RT02].  
**dominated** [AMM04, HP97].  
**doubly** [GHR98]. **Downwind** [HP97].  
**DQGMRES** [SW96]. **Drazin** [WL03].  
**DRIC** [Not94]. **drivings** [PM97].  
**dual** [DH04, FLP00, GH01, HP04, Saa94, Sto92]. **dual-dual** [GH01].  
**dual-primal** [FLP00]. **Dykstra** [ER96].  
**dynamic** [Not94]. **Dynamical** [Bat95].  
**dynamically** [MN00].  
**edge** [Dah02, RS02].  
**Editorial** [Axe96, Axe99, Axe03, Axe04, Lan97, NT03, Saa00a, Yav04, Mar00, NT04].  
**effect** [BS01, LW04]. **Effects** [CJT03].  
**efficiency** [KNY99, Tur00].  
**Efficient** [BV00, BCV03, Gem00, Huc98, HP95, Poi00, TV99, mMP99, BDS94].  
**eigenpairs** [DK95]. **eigenproblem** [BGP97, FT98, Not02a, XHZ03].  
**eigenproblems** [Bas00, BPS00, BFG95, FLPW01, Ney02, vdE02].  
**eigenspaces** [Zít05].  
**Eigenvalue** [KY95, LV04, AG99, Bai95, CS02, DL97, EKS02, HLLW05, LLL97, Liv04b, Mee01, MZ98, PPv95, Sim03].  
**eigenvalues** [AT00, BWN05, Kol05, LS05].  
**eigenvector** [LW98]. **eigenvectors** [AT00].  
**elastic** [Höm06]. **elasticity** [AM96, AALS01, Axe99, BLE97, Bla94, GL98, GL02, KK02, KS04, Mar94, Mar98, Pad99, Rja98].  
**elastoplastic** [MBW97].  
**elastoplasticity** [MM97].  
**electrical** [MC04].  
**electromagnetism** [CDG00, CDGmM04].  
**element** [AK99, AMM04, BBP03, BMN05, CYZ99, CKW02, CGL05, Dob99, EWY03, IV04, KS04, Kra06, Lai97, LR95, LMM00, PY03, PS00, PR95, RS02, Rja98, The98, Vas92, VL96, Vas02, WBWM04].  
**elements** [BB00, HHvR04, Osw95, RS02].  
**elimination** [GIK02, Gro00, IK00, Peñ03, Reu96].  
**Elliptic** [CGK94, AV94, BBP03, CC92, CW97, CS02, CGL05, CEL<sup>+</sup>96, Dob99, DHR<sup>+</sup>04, DP03, ELV94, EWY03, GN00, KW99, KR06, KM92, LPV01, LW03, MRT02, Ney02, Rak99, RT99, Sta96, VL96, Wan00].  
**embedding** [FLPW01, RVW98].  
**EMC** [Ver00]. **energy** [BBM<sup>+</sup>06, MD03].  
**energy-based** [BBM<sup>+</sup>06]. **entries** [Par03].  
**envelope** [BPS95]. **Environment** [ADP96].  
**equality** [DR03, LV98]. **equation** [AJ94, CKW02, Dah02, Lu05, Osw95, vRH05].  
**Equations** [GL95a, Axe99, BKP02, BR99, BG05a, BG00, CLR01, Che02, CH03, Cor04, Gan99, Gem00, GS99, HFW01, JLW05,

JO94, KW99, KXZ03, KS04, LW03, LMM00, Mar94, MCH01, NQ96, Ols99, PM97, PR95, Rak99, SCD94, Ste99, Szy94, Tyr05]. **equispaced** [FP05]. **Equivalence** [Szy94]. **Error** [GL95a, AM96, HJR97, Ney02]. **errors** [Sun05]. **Estimate** [AM96, ES05]. **estimates** [CL96, FVZ05]. **Estimating** [LW98]. **Estimation** [GR04, BT92, Ney02]. **estimator** [MHK04]. **estimators** [AM96]. **Euler** [Cor04]. **Evaluating** [BB01]. **even** [Not05a]. **exact** [DK95]. **expansion** [DS02]. **expansions** [Tre05]. **experiments** [ABK97, GL02]. **Exponential** [PLH05, BV00, BCV03]. **expressions** [Not05a]. **Extension** [BKP02]. **exterior** [GH01]. **extracted** [SPD05]. **extremal** [Vla00].  
**F.E.M.** [AM96]. **Faber** [Nov03]. **factor** [GIK02, IK00]. **factored** [KKNY01]. **factoring** [BG05a]. **Factorization** [ADP96, BT03, Bla94, CCG00, CGK05, DHS95, FG02, GN00, KNY00, KM92, OS01, RTN03, Saa94, SK01]. **factorizations** [Bea94, CH94, CV03, mMvdV02, mM04]. **Factorized** [KNY99, NY03]. **factors** [Bea94]. **family** [vV94]. **Fast** [Cao04, FP05, MCH01, MLH05, vKWW00, Fer96, JR94, Kho96, MRT02, Rak99]. **faster** [Kap99]. **fault** [NO04]. **fault-zone** [NO04]. **FE** [GKY97, PM97]. **feedback** [LW05]. **FEM** [Beu03, HPPS03, HMS99, KM99, Mar94]. **FEM-BEM** [HPPS03]. **FEM/ BEM** [HMS99]. **FETI** [DH04]. **fictitious** [RT99]. **filtering** [AN03a]. **finding** [Roh92]. **Finite** [Dob99, AK99, AMM04, BBP03, BB00, BMN05, CYZ99, CKW02, CGL05, EWFY03, FY01, Fer96, Kra06, Lai97, LR95, LMM00, Osw95, PY03, PS00, RS02, The98, Vas92, VL96, WBWM04]. **first** [GHR98, Hem96, KNX01]. **first-order** [Hem96]. **fitting** [PLH05]. **fixed** [BG05a]. **flow** [HG00, Lay05, LV04, Mar00, MRT96, Tur00, Yot01, vKWW00]. **fluid** [HG00, Mar00, MRT96]. **FOM** [GR99]. **Form** [Zha92, BWN05, KKNY01]. **formal** [Tre05]. **forms** [Bra02, HS05]. **formulas** [BWN05]. **formulation** [GH01, Ypm95]. **formulations** [PS00, Sim03]. **Fourier** [HHvR04]. **free** [GTY97, Not02b, Sim03, YNP04]. **frequency** [EKS02, MN00]. **friction** [Hla99]. **Frobenius** [CDG00, MGF+02]. **Frobenius-norm** [CDG00]. **frontal** [RS01, Sco99]. **full** [MWZ06]. **fully** [MC04]. **function** [Par03, Tre05]. **functionals** [AMM04]. **functions** [CKW02, DK95, MN05, Naz95]. **Further** [Saa00b].  
**Galerkin** [HHvR04, LPV01, NSCTP05, vRH05]. **Gauss** [HP97, KLN99, Peñ03]. **Gauss-Jordan** [Peñ03]. **Gauss-Seidel** [HP97, KLN99]. **Gaussian** [GIK02, IK00, Reu96]. **general** [CS96, Kap98, SZ99, SS02]. **Generalization** [CNP96, Zít00]. **Generalizations** [SSB04]. **generalized** [AM95, Bla02, CV03, DL97, FT98, GIK02, GW00, KD92, Wei94]. **Generalizing** [BT92]. **generated** [Tre05]. **Generating** [Ste99]. **generation** [BG02, Gar01, Gar04, LM06]. **geometric** [Cho03, Gar04]. **gigaflops** [Tur00]. **Globalization** [NQ96]. **GMRES** [BE98, CZ02, GR99, Jou94, MN00, Sim99, SWKW98, WZ94, Zít00, Zít05, vV94]. **GMRESR** [vV94]. **GPCG** [Bla02]. **GPGC-generalized** [Bla02]. **grade** [IT05]. **gradient** [AM95, BGP97, DMY03, DR03, Hac92, Kap94, Kap02, MO94, Mey94, PR95, Wei94]. **gradient-like** [Mey94]. **gradients** [Not02a].

- Gram** [Dax04, LL97, Van00].  
**Gram-Schmidt** [LL97, Van00].  
**graph** [KXZ03]. **graphs** [EJK01].  
**Grid** [GVT03, Alb06, BG02, CSCTP05, ELV94, FVZ05, Fer96, GKK04, Gar04, GMOS06, KV96, NH98].  
**grids** [BH04, Bla03, ELV94, Gar01].  
**group** [WN05]. **growth** [GIK02, IK00].  
**Guest** [Mar00].
- h** [HMS99]. **h-p** [HMS99].  
**Hamiltonian** [AIT05a, AIT05b].  
**Hankel** [OS01, SB03]. **Hankel-like** [OS01].  
**hardback** [Nab97].  
**Harmonic** [MZ98, GR99, Kho96].  
**heart** [MC04]. **heat** [AJ94].  
**Helmholtz** [Liv04b].  
**Hermitian** [CPS01, Fas05, HM03, HSCTP05, Kol05, LC05, Mee01, NCV05, vdE02].  
**Hessenberg** [CGK05, Gem00, Ste95].  
**heterogeneous** [KNP03].  
**Hierarchical** [BH04, CV03, VW97].  
**hierarchies** [Alb06, DHR<sup>+</sup>04, EJK01].  
**High** [Kap98, GKY97, NY03, SWKW98].  
**high-order** [GKY97]. **high-quality** [NY03].  
**Higham** [GIK02].  
**highly** [BKP02, GVT03, Wan00].  
**Householder** [Dax04, LL97].  
**hybrid** [BH04, CNY05, Lai97, RTN03, Yan04]. **hyper** [CH05].  
**hyper-power** [CH05]. **hyperbolic** [JO01].
- II** [ELV94, GL02]. **III** [CSCTP05, GKY97].  
**ill** [NCV05]. **ill-conditioned** [NCV05].  
**ILU** [May05, SZ99]. **ILUCP** [May05].  
**ILUT** [Bas00, Saa94]. **ILUT/**  
**ILDLT** [Bas00]. **image** [BC02, CNSY05, Don05, Höm06, Per06]. **images** [BNT94].  
**IMMB** [Axe99].  
**Implementation** [AK99, BM05a, DMY03].  
**Implicit** [FP95a, BM05a, LVW01, mMvdV02, MC04, PBN05, VBM05a].  
**Improved** [Cor04, JO94].  
**improvement** [WL03].
- Incomplete** [Jia96, BT03, Bla94, Gro00, JO94, Kap02, KNY00, mMvdV02, RTN03, Reu96, Saa94, SW96, Sau95, mM04, GKY97].  
**incompressible** [BKP02, LV04, Ols99, Tur00, vKvw00]. **increasing** [DMY03].  
**increasing-angle** [DMY03].  
**incremental** [BT92].  
**indefinite** [CL96, CK01, CS95, PS00, Vas92].  
**Indefinitely** [DR03, LV98].  
**independent** [KPV06]. **indirect** [BBP01].  
**induced** [Lay05]. **industry** [mM04].  
**inequalities** [AM96]. **inequality** [AALS01, Bla03, DH04, DR03, EM95, Mar94].  
**Inexact** [ABK97, HLM92, KK02, KPV06, LLL97, LV98, Sim03]. **infimum** [Chu04].  
**information** [BF96, FJ05].  
**initial** [Nov03, PBN05].  
**inner** [Gus04a, Mey94, MGF<sup>+</sup>02].  
**integrators** [Ber01, LJ04].  
**Interface** [Wan00, Yot01].  
**Interior** [LMV04, HP04].  
**Interior-point** [LMV04].  
**Interpolating** [MN05].  
**interpolation** [Gan05, HM03, Vla00].  
**interval** [Roh92].  
**invariant** [AG95, DF01, MK94].  
**Inverse** [LC05, BPS00, BFG95, DL97, EKS02, EHM95, KKNY01, Kho96, KNY99, LLL97, MGF<sup>+</sup>02, NY03, yPyHZ04, WL03, XHZ03, Ney05].  
**inverses** [Cor04, Gus03, Huc98, WN05].  
**inversion** [KK02]. **Invert** [Sim03].  
**IOM** [Jia96]. **IPARS** [LVW01].  
**Irreversible** [BL03]. **ISBN** [Nab97].  
**isolation** [EKS02].  
**isometric** [Gar01, Gar02].  
**issue** [Dat01, Fal06, VW01, Vas05, Axe99].  
**issues** [BM05a]. **iterated** [AN03a].  
**iteration** [AN94, CH05, GH01, HMS99, Kra02, LLL97, PS95, Ney05].  
**iterations** [BG05a, HN05, Kap05, KLN99, Lu05, Saa00b, Sch99, vdE02].  
**Iterative** [AT00, CGK94, GMR05, LPV01, PM97, AK00, Ber01, BR99, CH05, CK01,

ELV94, FM99, GTY97, Gus97, HG00, LSL01, MM98, NO04, Ols99, PR96, Szy94, Axe99]. **IV** [KNY99].

**Jacobi** [BFG95, GS99, HLLW05, Not02a, Sch99, vdE02].

**Jacobi-Davidson** [GS99, Not02a, vdE02].

**Jacobi-Newton-iterations** [Sch99].

**Jacobian** [BS01]. **Jordan** [EJK01, Peñ03].

**Journal** [JNL92]. **justifications** [Gar04].

**kernel** [HK02, MN05].

**Kronecker** [EJK01, LS04, Per06].

**Krylov** [OC04, CS97, DK95, Fas05, IT05, PPv95, Sid97, Yot01].

**L** [Nab97, CZ02]. **Lagrange** [Cor04].

**Lamé** [BKP02].

**Lanczos** [CWS97, CC03, FG02, FJ05, LW98, Mee01, PV99, Par92, Sim03].

**Lanczos-type** [CWS97, FG02].

**Large** [Jia96, VW01, AG99, Axe98, Bar02, BV00, BG00, BG05b, CLR01, CRS05, DMY03, Dax94, DR03, GTY97, GR04, LLL97, LV98, MZ98].

**Large-Scale** [VW01, Bar02, DMY03, GR04].

**largest** [LW98]. **latency** [RTN03].

**Lazarov** [Vas03]. **LDL** [mM04].

**Least** [CYZ99, AB00, AK99, Bar02, CNP96, Dax94, DE98, ER96, FB95, GW00, GR05, LHM02, LL97, MHK04, MLH05, Ren98, Sto92, WKS95]. **Least-squares** [CYZ99, AK99, Bar02, ER96, LHM02].

**lemma** [Gus04a, Mar95].

**level** [CGM01, CS02, GVT03, HHvR04, KM99, KV96, NCV05, OC04, SZ99, vRH05].

**Levinson** [Bun92].

**like** [Mey94, OS01, mMP99].

**likelihood** [ES05]. **line** [DMY03, MM95].

**Linear** [Jia96, Nab97, Ada04, ACR<sup>+</sup>00, AIT05b, JNL92, NLA94, AMP99, AK00, AN03b, Bas00, BLE97, Ber01, BWN05, Bla02, BvdV00, BM05a, CDGmM04, CSCTP05, CGL05, CC03, CK01, Dat01, DDG99, Gem00, GSS01, GTY97, GS05, GW00, GL98, GL02, HHvR04, HSCTP05, Jou94, JO94, KK02, KPV06, KS04, Kra02, LL97, LV98, LMV04, Mar00, MCH01, MH05, Mav01, Mey94, MC04, Naz95, NQ96, Nov03, OC04, Pad99, PBN05, PM97, RT99, SZ99, SS02, SMSW00, Sto92, Sun05, VW01, WKS95].

**linearly** [Bla94, LHM02, Sto92].

**Lipschitzian** [DS02].

**Local** [CGM01, ELV94, BS01, Kra06, MM95].

**locally** [BB00]. **locations** [BB97].

**Low** [BF96, CH94, FFZ05, HC05, NY03, SLH04, Tyr92]. **Low-complexity** [FFZ05].

**low-density** [NY03].

**Low-rank** [BF96, CH94, HC05].

**lower** [Alb06, SPD05]. **LQ** [BG00].

**LQ-Schur** [BG00].

**maintaining** [Par92]. **manifolds** [MK94].

**manufacturing** [CNY05].

**mapping** [BG02]. **mappings** [Gar02].

**maps** [MK94]. **Markov** [BL03, BDS94, BCC98, FH94, KNX01, MPS96, NX03].

**mass** [EKS02]. **matching** [KXZ03].

**mathematician** [Voe92]. **Matlab** [Bra02].

**Matrices** [Yon96, AIT05a, AN94, BCM05, BPS95, BNT94, BT03, BV00, BWN05, BG05a, BFG95, BG05b, BCC98, BM05b, CS96, CCLN05, CGK05, CfX05, Dos99, FLR03, FG02, Fas05, FP95a, GIK02, GS97, GR04, HR05, HC05, HP95, IK00, JR94, Kol05, Kra02, Kra06, Leb02, LHM02, LSL01, LS05, MM98, Mat96, MN05, OS01, yPyHZ04, Poi00, SS97, SB03, Tre05, VBM05a, VBM05b, Vas92, XHZ03, vN00, Nab97].

**Matrix** [AB00, AG95, Bun92, GTY97, Not05a, YNP04, Zha92, AH02, BB01, BGW05, BG05a, BG00, CCG00, CH03, DK95, EM95, EHM95, ER96, FLPW01, GHR98, HK02, HM03, Ibr02, KD92, Kap98, Kap99, KNX01, MRT98, Rja98, Roh92, Sau95, Sha98, Ste99, Vas02].

**matrix-dependent** [Sha98].

**Matrix-free** [GTY97, YNP04].

**Maximum** [BCHT04, Gar02, ES05].  
**Maximum-weight-basis** [BCHT04].  
**mean** [KNX01]. **measure** [BG02].  
**mechanical** [TV99].  
**mechanics** [Ada04, Axe99].  
**media** [BKP02, Yot01].  
**memory** [FO95, JO94].  
**Mesh** [KPV06, DHR<sup>+04</sup>].  
**Mesh-independent** [KPV06].  
**meshes** [BB00, HMS99, KV96, Mav01].  
**meshfree** [LOS04].  
**Method** [Jia96, AK99, AN94, AM95, AFK02, BS01, Bla02, CKW02, CZ02, CGL05, CH05, CNY05, Cho03, CK01, DL97, DMY03, Dax94, DR03, EKS02, EWFY03, FLP00, Fer96, GS99, Hac92, Höm06, Kap94, KY95, KKNY01, KW99, KXZ03, KPV06, Kra02, KM92, LPV01, Li00, LMM00, LV98, LMV04, MO94, MM98, MRT96, Mee01, MWZ06, MBW97, MN00, NQ96, Not94, PS95, PR95, PR96, Rak99, RS01, RS02, Reu96, RT99, Sha99, Sim03, WBWM04, Zít05, vRH05].  
**Methods** [CGK94, VW01, AM96, Ada04, AK94, AV94, Axe98, Axe99, AK00, AN03b, BLE97, BGP97, BR99, BGW05, BDV06, BB96, BM05a, CGM01, CS02, CSCTP05, CEL<sup>+96</sup>, Che02, CWS97, Dob99, EZ96, ELV94, Fal06, FM99, FP95b, GVT03, GMR05, GMOS06, Gus97, GL95b, HP04, HLLW05, IV04, JS96, KP00, Li00, LSL01, LMM00, Mar00, MPS96, MZ98, NBKS99, NSCTP05, Not05b, PBN05, PY03, SK01, Sta96, Szy94, Wei94, Wie99, vV94, GL02].  
**MILU** [WH94]. **Mindlin** [CYZ99].  
**minimal** [CIX05, JR94, MRT96, SW96, Sta96]. **Minimization** [EHM95, CDG00, Car97, DMY03, FFZ05, MD03].  
**minimizing** [AMM04]. **Minimum** [GH01, DE98, Gus03, HMS99, Kap05, Saa00b].  
**mirror** [BCK05].  
**mixed** [CEL<sup>+96</sup>, GH01, Lai97, LPV01, PY03, PS00, RVW98, VL96, WBWM04].  
**Model** [Lay05, Sha99, FLPW01, Gus98, KNP03]. **modeling** [FH94].  
**modelling** [Gar04, GMR05].  
**models** [BL03]. **modern** [MM97].  
**modified** [Bea94, CS95, Kap02, KPV06].  
**Modifying** [Alb06]. **Modular** [BC02].  
**moment** [GHR98]. **Monotone** [IV04].  
**monotonicity** [Mar95].  
**mortar** [DP03, PY03].  
**multi** [BCK05, CS02, PLH05, SZ99].  
**multi-channel** [PLH05].  
**multi-level** [CS02, SZ99].  
**multi-mirror** [BCK05].  
**multidimensional** [BBKY06].  
**Multifrontal** [ADP96]. **Multigrid** [BB00, BBKY06, Mav01, Wie99, Ada04, BLE97, BH04, BDV06, Cho03, DY04, Don05, DHR<sup>+04</sup>, EZ96, Fal06, GLOW04, GMOS06, Höm06, IV04, KXZ03, KR06, LOS04, Liv04b, MWZ06, MBW97, NSCTP05, Not05b, Pf99, RS02, Reu96, Sha98, Wan00, vRH05].  
**Multilevel** [CEL<sup>+96</sup>, CV03, Osw95, Sta96, AM96, AMM04, AN94, AV94, BMN05, CL96, Kra02, Kra06, Lai97, LSS03, LM06, MM95, Not98, Not02b, Not05b, Pad99, SS02, Sha99, The98, Yot01, vN00]. **multilinear** [PLH05].  
**multiphysics** [Yot01].  
**multiplication** [Kap99].  
**multiplicative** [CL96].  
**Multiprocessor** [ADP96].  
**Multiscale** [HPPS03].  
**multisensors** [CNSY05].  
**multisplitting** [AMP99, JS96, LSL01, Ren98].  
**multisplittings** [BCC98, CP99, FP95b].  
**multistep** [BWN05].  
**multivariate** [MHK04].  
**Navier** [CA99, HFW01, LMM00, Ols99].  
**Navier-**  
**Stokes** [CA99, HFW01, LMM00, Ols99].  
**near** [CNY05, Ver00].  
**near-circulant-block** [CNY05].  
**near-singularity** [Ver00].  
**nearest** [GHR98, MRT98].  
**nearly** [BKP02, HFW01, NA97].

**negative** [CfX05]. **Nested** [Bla03, vV94].  
**Neumann** [RT99]. **Newton** [Lu05, ABK97, AFK02, DL97, GKK04, HP04, KPV06, LV98, NQ96, OC04, Sch99, Vla00, Yot01].  
**Newton-Krylov** [Yot01].  
**Newton-type** [Vla00]. **NLA** [Vas05].  
**nodal** [BDV06]. **nodes** [FP05].  
**Non** [AMP99, VW01, Bla02, BMN05, CL96, Cao04, Car97, CGM01, CPS01, CGL05, CK01, CfX05, DS02, EZ96, FP05, GVT03, HSCTP05, KPV06, KM99, Kra02, LHM02, Lu05, LMM00, LV98, LMV04, Mav01, MZ98, MC04, NQ96, OC04, RT99, vN00].  
**non-conforming** [BMN05, KM99].  
**non-convex** [LMV04].  
**non-equispaced** [FP05].  
**non-Hermitian** [CPS01, HSCTP05].  
**Non-linear** [VW01, Bla02, CGL05, KPV06, Kra02, LV98, LMV04, Mav01, MC04, NQ96, OC04, RT99]. **non-linearly** [LHM02].  
**non-Lipschitzian** [DS02].  
**non-negative** [CfX05]. **non-overlapping** [CGM01, GVT03, LMM00].  
**non-smooth** [Car97].  
**Non-stationary** [AMP99, LMM00].  
**non-symmetric** [Bla02, CL96, Cao04, CK01, EZ96, Lu05, MZ98, vN00].  
**Nonequivalence** [FLPW01].  
**nonlinear** [Naz95, SCD94].  
**nonsmooth** [Che02].  
**Nonsymmetric** [CGK94, Bai95, Jou94, Mey94, Sta96, Vas92]. **norm** [CDG00, Dax94, DE98, EM95, EHM95, Gar02].  
**Normal** [Gus04b, LS05]. **norms** [SB03].  
**normwise** [FT98]. **note** [FT98, JO01, Lai97, Ney05, SB03, Sun05, VBM05b].  
**nullspace** [Sim03]. **nullspace-free** [Sim03].  
**number** [EHM95].  
**numbers** [BG05b, CCG00, CDW06].  
**Numerical** [NLA94, CH03, CA99, GS05, HJR97, MK94, MH05, NBKS99, NSCTP05, JNL92, Bai95, BKP02, Bat95, Ber01, BDS94, Cor04, CJT03, Dat01, DS02, LJ04, Ols99, Tur00, Mar00].  
**oblivious** [MWZ06]. **observations** [CZ02].  
**observer** [CLR01]. **occasion** [Vas03, Vas05].  
**occur** [CC03]. **occurring** [AG99].  
**oceanography** [Rak99]. **odd** [Not05a].  
**Odir** [CK01]. **One** [OC04].  
**One-level** [OC04]. **open** [Gar04].  
**Operator** [Gus97, Gus98, Gus03, Alb06, BV00, BCV03, GN00, Liv04b, Tyr05].  
**operators** [GVT03, Kho96].  
**optical** [BCK05].  
**Optimal** [ELV94, MM95, Not98, WKS95, BMN05, DH04, HFW01, Lai97, NA97].  
**optimization** [AN03b, Chu04, Gar02, HP04, LMV04, NBKS99]. **order** [CEL<sup>+</sup>96, ELV94, GKY97, Hem96, Kap02, KPV06, RS01].  
**ordered** [Bea94]. **Ordering** [HS05, Sco99].  
**orderings** [NA97]. **Orthogonal** [BCM05, FB95, AM95, BF96, MO94].  
**orthogonality** [Par92].  
**Orthogonalization** [Jia96, LL97, SW96].  
**orthogonalizations** [Dax04].  
**orthogonalizing** [Mat96].  
**Orthotropic** [GL96]. **Oseen** [Ols99].  
**outer** [Cor04]. **output** [LW05].  
**overall** [BS01]. **overlap** [KK02, mMvdV02].  
**Overlapping** [CS96, CGM01, Gan99, GVT03, JS96, KP00, LMM00].  
**overrelaxation** [Gus03]. **Owe** [Vas05].  
**P** [Bea94, BNT94, HMS99].  
**pairwise** [FLR03]. **panel** [PR96].  
**Parallel** [Bas00, BLE97, GR05, GL96, LSL01, NO04, RT99, The98, Voe92, WH94, ACR<sup>+</sup>00, AMP99, BPS00, BvdV00, CJT03, FM99, GMR05, GSS01, GMOS06, GL98, GL02, Hac92, HS05, JO94, KK02, Kuz92, LVW01, LSS03, mMvdV02, MM97, MBW97, MC04, Pad99, PR95, PR96, Rak99, Ren98, Sid97, Van00, mM04].  
**parallelizable** [GL95b].  
**parameter** [AK99, GS05, Not02b].  
**parameter-dependent** [GS05].  
**parameter-free** [Not02b].  
**parameters** [Yan04]. **Parlett** [EM95].

**pARMS** [LSS03]. **Part** [GL98, GL02].  
**Partial** [LW04, LW05, BGP97, LW03, Not02a, Rak99]. **partition** [BDV06].  
**partitioned** [Poi00]. **partitioning** [CJT03].  
**partitionings** [GKY97]. **passage** [KNX01].  
**pattern** [CDG00]. **PDEs** [Höm06, Hem96].  
**Peaceman** [LR95].  
**Peaceman-Rachford** [LR95].  
**PEERS** [KS04]. **penalized** [Dos99].  
**penalty** [DH04, Lai97]. **BEM** [HMS99].  
**disaggregation** [MM98]. **ILDLT** [Bas00].  
**pencil** [LW05]. **pencils** [BB01].  
**Performance** [mM04, Alb06, BE98].  
**periodicity** [BDS94].  
**Perron** [KNX01, NX03].  
**persymmetric** [XHZ03].  
**Perturbation** [GW00, FT98, JLW05, LS05, WKS95, WL03].  
**perturbations** [AIT05a, AIT05b].  
**perturbed** [Sau95]. **phase** [DY04].  
**phylogenetic** [BL03]. **Piecewise** [HM96].  
**pipes** [HG00]. **pivoted** [HC05].  
**pivoting** [BM05b, May05].  
**plane** [BLE97, Ypm95].  
**planewise** [mMP99].  
**planewise-like** [mMP99].  
**plasticity** [ABK97, Car97, HJR97, Wie99].  
**plate** [CYZ99]. **plus** [Fas05, HN05, MCH01].  
**point** [BG05a, Cao04, CH03, HP04, KP00, LOS04, LMV04, VL96]. **points** [HM96].  
**Poisson** [CKW02, Dah02].  
**polar** [CCG00, RT02]. **pole** [LW04, LW05].  
**poles** [Mee01]. **polyhedral** [Dah02].  
**polynomial** [Gan05, HM96, LW98].  
**polynomials** [BB97, BGW05, BG05a, MO94, MN05, Nov03].  
**poroelasticity** [GLOW04]. **porous** [Yot01].  
**positive** [AIT05a, AV94, BT03, Kap98, Kol05]. **positive-definite** [Kol05].  
**Post** [KLN99]. **Post-processing** [KLN99].  
**posteriori** [AM96, BBP01, Ney02].  
**potential** [Kho96, MRT96, Shi02, Shi04].  
**potential-reduction** [Shi04].  
**power** [CH05]. **practical** [Kap99].  
**Prandtl** [Wie99]. **Prandtl-Reuss** [Wie99].  
**Preconditioned** [Axe98, CGK94, HMS99, Ber01, BWN05, Bla02, BE98, CZ02, DR03, LV98, PR95, PR96]. **preconditioner** [BT03, Beu03, CNP96, CS95, GN00, HFW01, KS04, KV96, Kuz92, LS04, May05, SPD05, vN00].  
**Preconditioners** [CPS01, Bla02, BMN05, BCHT04, CDG00, CDGmM04, CGM01, CC92, CW97, CEL<sup>+</sup>96, DDG99, DP03, HLM92, Hem96, JLW05, KY95, KKNY01, KP00, LVW01, LJ04, LC05, Osw95, PS00, RVW98, SZ99, The98, Tyr92, Tyr05, YNP04, mM99].  
**Preconditioning** [AN03b, Gro00, HSCTP05, SMSW00, Vas92, VL96, WBWM04, AK94, AV94, AFK02, Bas00, BPS00, Bla94, Dos99, Gus03, GL95b, HPPS03, Kap94, Kap98, KK02, Kap02, KM99, Kra02, Kra06, LV04, LW03, MM95, MM02, NO04, NA97, Not98, Not02b, NCV05, Poi00, Vas02, WH94].  
**preconditionings** [GKY97, KNY99, NY03].  
**predictor** [BB97].  
**Preface** [Axe02, Dat01, NT04].  
**Prefiltration** [NY03].  
**presentation** [EJK01].  
**preserving** [Wan00]. **Press** [Nab97].  
**pressure** [Lay05, vKVV00]. **Price** [Nab97].  
**Primal** [HP04, RT02, FLP00].  
**Primal-dual** [HP04]. **principle** [BC02].  
**principles** [Gar04]. **priori** [HM96].  
**PRISM** [Axe98]. **probabilities** [NX03].  
**probability** [MM98]. **problem** [AH02, AK99, Bai95, Car97, CGL05, CJT03, DL97, ER96, GKK04, Gus98, Hla99, IV04, KPV06, KNP03, MRT96, MLH05, Mee01, Ols99, OC04, yPyHZ04, Ren98, Rja98, RT99, Sau95, Sim03, Vla00, WKS95].  
**Problems** [CGK94, GL96, Ada04, AB00, AIT05b, AG99, AV94, Axe98, AN03b, BBP03, BKP02, Bar02, BLE97, BCV03, Bla94, BC02, BvdV00, CL96, CRS05, Cao04, CC92, CNP96, CW97, CS02, CEL<sup>+</sup>96, CWS97, CC03, Dax94, DE98, DHR<sup>+</sup>04, DP03, DR03, ELV94, EWY03, FY01, Gar04],

GH01, GVT03, GL98, GL02, HP97, HJR97,  
 HLLW05, KK02, KP00, KR06, KM92,  
 LLL97, LR95, Lay05, LPV01, Liv04b, LL97,  
 LV98, Mar00, Mar98, MRT02, Mav01, MM97,  
 MBW97, MM02, MZ98, Nov03, Pad99,  
 PBN05, Shi02, Shi04, Sta96, Sto92, TV99,  
 VL96, Ver00, Wan00, mMP99, mM04, VW01].  
**Procedure** [IMBD96, LR95].  
**processes** [BL03].  
**processing** [Dat01, KLN99].  
**product** [Gus04a, LS04, MGF<sup>+02</sup>, Per06].  
**products** [BB01, Mat96, Mey94].  
**profile** [HR05].  
**programming** [LV98, Naz95, Shi02, Shi04].  
**Progress** [Bai95]. **projected** [Shi04].  
**projected-steepest-descent** [Shi04].  
**projection** [BG00, FB95, MZ98, RT02].  
**projections** [Dax04].  
**prolongators** [BDV06].  
**propagation** [mM04]. **Properties** [Wei94,  
 Yon96, BDS94, Bun92, CGK05].  
**property** [DMY03, EZ96].  
**proposal** [NCV05]. **proving** [BBP03].  
**pseudo** [mMvdV02].  
**pseudo-overlap** [mMvdV02]. **pure** [KM99].  
  
**QLP** [HC05]. **QR** [CGK05, Fas05, VBM05a].  
**quadratic** [BG05a, DR03, LW05, Ste99].  
**quality** [Kap98, NY03].  
**quasi** [Gar01, Gar02, HMS99, MN05, SW96].  
**quasi-isometric** [Gar01, Gar02].  
**quasi-kernel** [MN05].  
**quasi-minimal** [SW96].  
**quasi-uniform** [HMS99]. **quotient** [PS95].  
  
**R** [Nab97]. **Rachford** [LR95].  
**radiation** [OC04, WBWM04].  
**radii** [CfX05]. **radiosity** [Leb02].  
**random** [LW98]. **Rank** [GS97, Kub92,  
 BCM05, BF96, CH94, DE98, ES05, HR05,  
 HC05, SPD05, SLH04, Tyr92].  
**Rank-deficient** [GS97, DE98].  
**rarely** [BG05b].  
**rate** [BS01, CJT03, MRT96]. **rates** [Li00].  
  
**Rational** [Fas05, Mee01, Tre05].  
**ray** [Liv04b]. **Rayleigh** [PS95].  
**Raytcho** [Vas03]. **reaction** [Gan99].  
**Real** [AK00, Bra02, CHB05, GHR98].  
**realizable** [CfX05]. **realization** [PR96].  
**reconstruction** [CNSY05].  
**rectangular** [BS01, Osw95].  
**recursive** [LSS03, Not05a, NA97, SS02].  
**red** [NA97]. **red-black** [NA97].  
**reduced** [ES05]. **reduced-rank** [ES05].  
**Reducing** [Zha92]. **reduction** [AK94,  
 BPS95, HP95, Lay05, PV99, Shi02, Shi04].  
**reductions** [KNX01]. **refined** [BB00].  
**Refinement** [GL95a, BS01, DHR<sup>+04</sup>,  
 ELV94, MM95]. **reflective** [Per06].  
**Regions** [PS95, Naz95].  
**registration** [Höm06]. **regression** [ES05].  
**regular** [FG02, FT98]. **regularity** [Dah02].  
**Regularization** [IMBD96, CRS05, Don05].  
**regularized** [MLH05]. **Reissner** [CYZ99].  
**Reissner-Mindlin** [CYZ99].  
**related** [AK94, Li00].  
**relationships** [Tre05]. **relaxation** [Dax94,  
 FP95b, Gan99, Liv04a, PBN05, Yan04].  
**Reliable** [Ber01, Hla99]. **remarks** [Mar95].  
**reorthogonalization** [Van00].  
**Repairing** [Ver00]. **repeated** [AT00].  
**representation** [VBM05b].  
**reservoir** [LWV01]. **residual** [AM95, GH01,  
 Gus03, HMS99, JR94, Kap05, MO94,  
 MRT96, SW96, Saa00b, Sta96].  
**resolution** [CNSY05]. **resonant** [AG99].  
**restart** [MN00].  
**restarted** [Jou94, Sim99, Zít00, Zít05].  
**restoration** [BC02, Per06]. **result** [FP95b].  
**resultant** [BGW05]. **results** [Kap94, NH98].  
**retrieval** [BF96, FJ05]. **Reuss** [Wie99].  
**revealing** [CH94]. **Reversing** [RS01].  
**Review** [Nab97]. **rewards** [Par92].  
**RIC** [Not94]. **Riccati** [GL95a, Lu05].  
**Riemannian** [FJ05]. **rising** [KNY99].  
**Ritz** [GR99]. **RLSL** [BBP01].  
**Robust** [BMN05, KW99, Not02b, AMM04,  
 BT03, CDG00, KKNY01, SZ99, vN00].

**roots** [MO94]. **rotations** [Ypm95].  
**row** [Dax94, RS01, Sco99].  
**row-by-row** [RS01]. **RSCG** [FO95].  
  
**S** [Bea94, BNT94]. **S/P** [Bea94, BNT94].  
**saddle** [Cao04, CH03, KP00, LOS04, VL96].  
**saddle-point** [VL96]. **same** [GHR98].  
**SANs** [LS04]. **SAXPY** [Ypm95].  
**Scalable** [DH04, FLP00].  
**Scale** [VW01, Axe98, Bar02, DMY03, GR04].  
**scaling** [BBKY06]. **Scheme** [Zha92, BS01, GSS01, GMOS06, Poi00].  
**schemes** [AIT05b, AJ94, DE06, Gus03].  
**Schmidt** [Dax04, LL97, Van00].  
**Schur** [BG00, BCK05, BG05a, Bra02, Bun92, KW99, Kra06, LW03, Rak99].  
**Schwarz** [AALS01, CZ02, KP00, OC04].  
**scientific** [Axe98]. **searches** [DMY03].  
**second** [CEL<sup>+</sup>96, KPV06, LM06].  
**second-generation** [LM06].  
**Seidel** [HP97, KLN99]. **select** [Alb06].  
**selection** [CDG00]. **selective** [NO04].  
**self** [Leb02, MWZ06].  
**self-adaptive** [MWZ06].  
**Selfadjoint** [AV94].  
**Semi** [Mar98, CH05, MCH01, Par92].  
**Semi-coarsening** [Mar98].  
**semi-iterative** [CH05].  
**semi-orthogonality** [Par92].  
**semi-separable** [MCH01].  
**semiconductor** [GMR05].  
**semiseparability** [BCM05].  
**semiseparable** [BCM05, Fas05, VBM05a, VBM05b]. **Sensitivity** [GL95a, PV99].  
**separable** [MCH01]. **sequences** [Not05a].  
**sequential** [ACR<sup>+</sup>00]. **Shader** [Nab97].  
**shape** [HP04]. **shapes** [AG95].  
**shared** [JO94]. **shell** [MBW97, The98].  
**shift** [BBP03, Sim03].  
**Shift-and-Invert** [Sim03]. **shifted** [JR94].  
**Short** [Lai97, Yon96]. **Sign** [Nab97].  
**Sign-Solvable** [Nab97].  
**signal** [Dat01, HM03].  
**Signorini** [Hla99, IV04].  
  
**similarity** [BCM05]. **similarly** [Tre05].  
**SIMPLE** [LV04, KNY99]. **simpler** [WZ94].  
**simulating** [MC04]. **simulation** [BvdV00].  
**simulations** [NO04]. **simulator** [LVW01].  
**Simultaneous** [Peñ03]. **Sinc** [NSCTP05].  
**Sinc-Galerkin** [NSCTP05]. **Sine** [CW97].  
**single** [PLH05]. **single-channel** [PLH05].  
**singly** [HS05]. **singular** [BCC98, CKW02, FP95a, FH94, JLW05, KR06, LSL01, MPS96, Roh92, Sau95, SS97, Szy94, Tre05].  
**singularities** [CKW02, Dah02].  
**singularity** [Ver00]. **small** [KV96].  
**smooth** [Car97, The98].  
**Smoothed** [CDW06]. **smoothers** [Yan04].  
**smoothing** [EZ96, GLOW04, HP97].  
**smoothness** [Cho03]. **Sobolev** [AFK02].  
**software** [Voe92]. **solid** [Ada04].  
**Solution** [Bar02, ACR<sup>+</sup>00, Axe98, Axe99, Bai95, BKP02, BS01, BPS00, BDS94, CLR01, CA99, Cor04, Gem00, GTY97, GS05, GL98, GL02, HJR97, HG00, Hla99, JO94, LPV01, LL97, MM97, MBW97, Ols99, Ren98, Sim03, Ste95, TV99, VW01].  
**Solutions** [GL95a, CH03, DE98, HM96, KR06, PPv95]. **solvability** [XHZ03].  
**Solvable** [Nab97]. **solve** [Liv04b].  
**solver** [BvdV00, CHB05, GKK04, KR06, LSS03, LM06, MRT02, Ols99, Pad99, RTN03, Rak99, SS02, Yot01].  
**solvers** [AG99, ABK97, Ber01, BC02, HLM92, HS05, Mey94, NO04, Sco99].  
**Solving** [BG05a, Nov03, AH02, AK99, AK00, Cao04, CC03, CNY05, FH94, JLW05, Jou94, KM92, MLH05, NQ96, PM97, Shi02, Sto92, Vla00, mMP99, mM04].  
**Some** [BFG95, BM05a, CGK94, CZ02, Mar95, Ber01, CDW06, GL02].  
**SOR** [Che02]. **sorting** [Bra02].  
**space** [AMM04, AFK02, KD92].  
**Sparse** [CDG00, CDGmM04, Vas02, AB00, BPS95, Bas00, BPS00, BV00, BG00, CS96, DR03, Gus03, HS05, Huc98, KKNY01, KNY99, LLL97, LV98, Mey94, NY03, NH98, RTN03, SZ99, SS02]. **sparsity** [Poi00].

**Special** [Fal06, VW01, Vas05, Dat01, Mey94, Axe99]. **Spectral** [mMvdV02, BPS95, CfX05, Par03, SK01]. **Split** [HR05]. **Splitting** [HN05, Gan99]. **spring** [EKS02]. **spring-mass** [EKS02]. **SQP** [AH02]. **squares** [AB00, AK99, Bar02, CYZ99, CNP96, DE98, ER96, FB95, GW00, GR05, LHM02, LL97, MHK04, MLH05, Ren98, Sto92, WKS95]. **SSOR** [GKY97, WH94]. **Stability** [DHS95, NX03, Peñ03, Sau95]. **stabilization** [Lay05]. **stabilized** [Cao04, EWY03, LMM00]. **Stabilizing** [VW97]. **Stable** [OS01, Gem00, MCH01]. **stage** [JS96, MPS96]. **standard** [LPV01]. **standpoint** [Voe92]. **start** [LW98]. **state** [KD92]. **state-space** [KD92]. **stationary** [AMP99, LMM00, MM98, NX03]. **Steady** [HG00]. **steepest** [Shi02, Shi04]. **step** [AV94, Li00, PBN05]. **steps** [Fas05, Shi02]. **Stewart** [HC05]. **Stieltjes** [AN94]. **stochastic** [GHR98, MM98]. **Stokes** [AK99, BKP02, CA99, HFW01, LMM00, Ols99]. **Strang** [CNP96]. **strategies** [BE98, CDG00, GTY97, HSCTP05, Kap94, PM97, SMSW00]. **strategy** [BBM<sup>+</sup>06, BM05b, Sco99]. **Strengthened** [AALS01, AM96, Bla03, Mar94]. **stress** [MM02]. **stretched** [KM92]. **stretching** [AB00]. **strongly** [KW99]. **structure** [BS01, Hem96, Rja98, WN05]. **Structured** [BGW05, BG05b, CCLN05, SLH04, Tyr05, DDG99, Gem00, LHM02, MHK04, MLH05, Poi00, Sun05, Tre05]. **structures** [BCK05, BH04, EJK01]. **subdomain** [HLM92]. **submatrix** [KK02, yPyHZ04]. **Subspace** [CS02, DDG99, CS97, DK95, Sid97]. **Subspace-by-subspace** [DDG99]. **subspaces** [DF01, IT05, PPv95]. **substructuring** [GMR05]. **successive** [Gus03]. **summation** [FP05]. **Super** [CNSY05]. **Super-resolution** [CNSY05]. **Superconvergence** [FY01]. **superfast** [CHB05]. **Superlinear** [Kap05]. **survey** [SK01]. **SVD** [FJ05]. **switching** [MN00]. **Sylvester** [CLR01]. **Sylvester-observer** [CLR01]. **Symmetric** [AIT05b, Zha92, AG95, AK00, BGP97, BV00, Bla02, BM05b, CL96, CRS05, Cao04, CDGmM04, CK01, CHB05, CS95, EZ96, HR05, IK00, Kap98, Lu05, MZ98, NSCTP05, Not02a, PS00, RT02, SS97, VBM05a, XHZ03, vN00]. **symmetrizing** [Tyr92]. **system** [AALS01, BvdV00, GLOW04, LW04, SCD94]. **systematic** [GLOW04]. **Systems** [Jia96, Nab97, AM96, Ada04, ACR<sup>+</sup>00, AMP99, AK00, AN03b, Bas00, Bat95, BMN05, CDGmM04, CPS01, CSCTP05, CC03, CNY05, CK01, CA99, CHB05, CS95, DDG99, Dob99, EKS02, FH94, Gem00, GSS01, GTY97, GKY97, GS05, HN05, HSCTP05, Jou94, KM99, Lai97, LOS04, LJ04, LC05, LW03, MCH01, Mey94, MPS96, NSCTP05, NCV05, PM97, RVW98, SZ99, SS02, Sac05, SPD05, SMSW00, Ste95, Sun05]. **t** [mM04]. **tangential** [AN03a]. **technique** [HM03, NY03]. **techniques** [ACR<sup>+</sup>00, BB00, Bla94, CS97, Dat01, ELV94, HK02, HS05, LM06, SZ99, Ver00]. **term** [Lai97]. **tessellations** [DE06]. **tetrahedral** [Bla03]. **their** [BKP02, Kub92]. **theorems** [BBP03, BKP02, CP99]. **theoretical** [Gar04, Not05b]. **theory** [ABK97, FT98, GW00, GL98, VW97]. **thin** [The98]. **three** [AALS01, BB96, Ibr02, Rja98]. **three-dimensional** [AALS01, Rja98]. **three-way** [Ibr02]. **threshold** [Saa94, SZ99]. **thresholding** [LM06]. **Tikhonov** [CRS05, Don05]. **time** [HG00, vKWW00]. **tire** [SMSW00]. **Toeplitz** [AH02, BG05a, BG05b, CNP96,

- CPS01, CGK05, CNY05, CHB05, CS95, HR05, Hem96, HSCTP05, LC05, NCV05]. **tolerant** [RTN03]. **tool** [GS97]. **tools** [BBP03]. **topology** [HP04, Vas02]. **total** [FB95, GR05, LHM02, MHK04, MLH05]. **transfer** [GVT03, KD92]. **transform** [CW97]. **transformation** [BCM05, FLPW01, LL97]. **transformations** [CHB05, Dax04, JO01]. **transforms** [FP05]. **translation** [KY95]. **transmission** [GH01]. **triangular** [BNT94, FP95a]. **Tridiagonal** [Zha92, BM05b]. **trigonometric** [CHB05, FP05]. **trigonometry** [Gus97, Gus98, Gus03]. **trilinear** [BG02]. **triplets** [SS97]. **Truncated** [GKK04]. **Trust** [Naz95]. **tuning** [FLPW01]. **tunnel** [PM97]. **Two** [CSCTP05, JS96, KM99, KV96, PBN05, Yon96, Zha92, vRH05, AM96, CGM01, DY04, ELV94, FVZ05, FH94, GVT03, HHvR04, MCH01, MPS96, NCV05]. **two-dimensional** [DY04]. **Two-grid** [CSCTP05, ELV94, FVZ05]. **Two-level** [KM99, KV96, vRH05, CGM01, GVT03, HHvR04, NCV05]. **Two-stage** [JS96, MPS96]. **Two-step** [PBN05]. **Two-Way** [Zha92, MCH01]. **type** [CWS97, FG02, GKK04, KKNY01, SCD94, Vla00]. **UK £30.00** [Nab97]. **uniform** [HMS99]. **unitary** [JR94, Mat96]. **unity** [BDV06]. **University** [Nab97]. **unsteady** [OC04]. **unstructured** [Cho03, KV96, Mav01]. **Unsymmetric** [Jia96, GR04, HS05]. **untangling** [GKK04]. **unwrapping** [DY04]. **updates** [Tyr92]. **Upper** [Mar94, BNT94]. **US\$49.95** [Nab97]. **use** [Bla02, BDS94, FH94, Yan04]. **Using** [BBP03, Kap02, AFK02, BC02, CKW02, CNSY05, CHB05, Kra06, MGF<sup>+</sup>02, NX03, PLH05, RTN03, Sim03]. **usual** [BG05b]. **Uzawa** [Cao04]. **validation** [CH03]. **value** [BBP03, BWN05, Nov03, PBN05, RT99]. **valued** [AK00]. **values** [FP95a, GR99, Tre05]. **Variable** [AV94, DHR<sup>+</sup>04, GVT03, GR05]. **Variable-step** [AV94]. **variant** [Sim99]. **Variational** [Gar04, DH04, Gar01]. **various** [BE98]. **vectors** [FP95a, MM98, Par92]. **Velte** [SSB04]. **version** [Beu03, HMS99, LSS03, Not94, PR95]. **versus** [GMR05, Kra02, Tur00]. **via** [Dax04, Kho96, KNX01, NY03]. **vibrating** [LW04]. **volume** [CGL05]. **Voronoi** [DE06]. **wave** [Liv04b, mM04]. **wave-ray** [Liv04b]. **waveform** [FP95b, Gan99, PBN05]. **wavelet** [LM06]. **wavelets** [VW97]. **Way** [Zha92, Ibr02, MCH01]. **weight** [BCHT04]. **weighted** [Bar02, SLH04]. **where** [Sau95]. **within** [BS01]. **without** [HM96, Van00]. **workshop** [FM99]. **zero** [BB97]. **zeros** [MN05]. **zone** [NO04].

## References

Achchab:2001:SCB

- [AALS01] B. Achchab, O. Axelsson, L. Laayouni, and A. Souissi. Strengthened Cauchy-Bunyakowski-Schwarz inequality for a three-dimensional elasticity system. *Numerical linear algebra with applications*, 8(3):191–205, April/May 2001. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=76506672&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/>

- cgi-bin/abstract/76506672/ START.
- Adlers:2000:MSS**
- [AB00] Mikael Adlers and Åke Björck. Matrix stretching for sparse least squares problems. *Numerical linear algebra with applications*, 7(2):51–65, March 2000. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=71008527&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract/71008527/START>.
- Axelsson:1997:INS**
- [ABK97] Owe Axelsson, Radim Blaheta, and Roman Kohut. Inexact Newton solvers in plasticity: theory and experiments. *Numerical linear algebra with applications*, 4(3):133–152, May/June 1997. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=15031&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=15031>.
- Amodio:2000:ABD**
- [ACR<sup>+</sup>00] P. Amodio, J. R. Cash, G. Rousos, R. W. Wright, G. Fairweather, I. Gladwell, G. L. Kraut, and M. Paprzycki. Almost block diagonal linear systems: sequential and parallel solution techniques, and applications. *Numerical linear al-*
- [ADP96]
- gebra with applications
- 7(5):275–317, July/August 2000. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=72508407&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract/72508407/START>.
- Adams:2004:AMM**
- Mark F. Adams. Algebraic multigrid methods for constrained linear systems with applications to contact problems in solid mechanics. *Numerical linear algebra with applications*, 11(2–3):141–153, March/April 2004. CODEN NLAAEM. ISSN 1070-5325.
- Amestoy:1996:MFM**
- P. R. Amestoy, I. S. Duff, and C. Puglisi. Multifrontal QR factorization in a multiprocessor environment. *Numerical linear algebra with applications*, 3(4):275–300, July/August 1996. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=15000995>.
- Axelsson:2002:SSP**
- O. Axelsson, I. Faragó, and J. Karátson. Sobolev space preconditioning for Newton’s method using domain decomposition. *Numerical linear algebra with applications*, 9(6–7):585–598, September/November

2002. CODEN NLAAEM. ISSN 1070-5325.
- Arbenz:1995:MSI**
- [AG95] Peter Arbenz and Gene H. Golub. Matrix shapes invariant under the symmetric  $QR$  algorithm. *Numerical linear algebra with applications*, 2(2):87–93, 1995. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic).
- Arbenz:1999:CSL**
- [AG99] Peter Arbenz and Roman Geus. A comparison of solvers for large eigenvalue problems occurring in the design of resonant cavities. *Numerical linear algebra with applications*, 6(1):3–16, January/February 1999. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=62002983&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=62002983>. Czech-US Workshop in Iterative Methods and Parallel Computing, Part I (Milovy, 1997).
- Al-Homidan:2002:SAS**
- [AH02] Suliman S. Al-Homidan. SQP algorithms for solving Toeplitz matrix approximation problem. *Numerical linear algebra with applications*, 9(8):619–627, December 2002. CODEN NLAAEM. ISSN 1070-5325.
- [AIT05a]
- P. Amadio, F. Iavernaro, and D. Trigiante. Conservative perturbations of positive definite Hamiltonian matrices. *Numerical linear algebra with applications*, 12(2-3):117–125, March/April 2005. CODEN NLAAEM. ISSN 1070-5325.
- Amodio:2005:CPP**
- [AIT05b]
- P. Amadio, F. Iavernaro, and D. Trigiante. Symmetric schemes and Hamiltonian perturbations of linear Hamiltonian problems. *Numerical linear algebra with applications*, 12(2-3):171–179, March/April 2005. CODEN NLAAEM. ISSN 1070-5325.
- Amodio:2005:SSH**
- [AJ94]
- Andrey Andreev and Hussain Juboury. On the convergence of difference schemes for a heat conduction equation. *Numerical linear algebra with applications*, 1(3):237–245, 1994. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic).
- Andreev:1994:CDS**
- [AK94]
- O. Axelsson and L. Kolotilina. Diagonally compensated reduction and related preconditioning methods. *Numerical linear algebra with applications*, 1(2):155–177, 1994. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic).
- Axelsson:1994:DCR**

- Arushanian:1999:ILS**
- [AK99] I. O. Arushanian and G. M. Kobelkov. Implementation of a least-squares finite element method for solving the Stokes problem with a parameter. *Numerical linear algebra with applications*, 6(7):587–597, October/November 1999. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=68502742&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract/68502742/> [AM95]
- Axelsson:1995:GCG**
- [AM95] Owe Axelsson and M. Makarov. On a generalized conjugate gradient orthogonal residual method. *Numerical linear algebra with applications*, 2(5):467–479, 1995. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). Special issue dedicated to David M. Young, Jr.
- Achchab:1996:ECT**
- [AM96] B. Achchab and J. F. Maître. Estimate of the constant in two strengthened C.B.S. inequalities for F.E.M. systems of 2D elasticity: application to multilevel methods and a posteriori error estimators. *Numerical linear algebra with applications*, 3(2):147–159, March/April 1996. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=15000981>.
- Austin:2004:RMA**
- [AMM04] Travis M. Austin, Thomas A. Manteuffel, and Steve McCormick. A robust multilevel approach for minimizing  $H(\text{div})$ -dominated functionals in an  $H^1$ -conforming finite element space. *Numerical linear algebra with applications*, 11(2–3):115–140, March/April 2004. CODEN NLAAEM. ISSN 1070-5325.
- Alber:2006:MCS**
- [Alb06] David M. Alber. Modifying CLJP to select grid hierarchies with lower operator complexities and better performance. *Numerical linear algebra with applications*, 13(2–3):87–104, March/April 2006. CODEN NLAAEM. ISSN 1070-5325.

- Arnal:1999:NSP**
- [AMP99] Josep Arnal, Violeta Migallón, and José Penadés. Non-stationary parallel multisplitting algorithms for almost linear systems. *Numerical linear algebra with applications*, 6(2):79–92, March 1999. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=62002990&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=62002990>.
- Czech-US Workshop in Iterative Methods and Parallel Computing, Part 2 (Milovy, 1997).
- Axelsson:1994:AMI**
- [AN94] O. Axelsson and M. Neytcheva. Algebraic multilevel iteration method for Stieltjes matrices. *Numerical linear algebra with applications*, 1(3):213–236, 1994. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic).
- Achdou:2003:ITF**
- [AN03a] Y. Achdou and F. Nataf. An iterated tangential filtering decomposition. *Numerical linear algebra with applications*, 10(5–6):511–539, July/September 2003. CODEN NLAAEM. ISSN 1070-5325.
- Axelsson:2003:PML**
- [AN03b] Owe Axelsson and Maya Neytcheva. Preconditioning methods for linear systems arising in constrained optimization problems. *Numerical linear algebra with applications*, 10(1–2):3–31, January/March 2003. CODEN NLAAEM. ISSN 1070-5325.
- Andrew:2000:ICD**
- [AT00] Alan L. Andrew and Roger C. E. Tan. Iterative computation of derivatives of repeated eigenvalues and the corresponding eigenvectors. *Numerical linear algebra with applications*, 7(4):151–167, May 2000. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=72507873&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract/72507873/START>.
- Axelsson:1994:VSM**
- [AV94] O. Axelsson and P. S. Vassilevski. Variable-step multilevel preconditioning methods. I. selfadjoint and positive definite elliptic problems. *Numerical linear algebra with applications*, 1(1):75–101, 1994. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic).
- Axelsson:1996:E**
- [Axe96] Owe Axelsson. Editorial. *Numerical linear algebra with applications*, 3(5):349–350, September/October 1996. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (elec-

- tronic). URL <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=15001003>.
- Axelsson:1998:PSM**
- [Axe98] Owe Axelsson. Preconditioned solution methods for large scale problems in scientific computations PRISM '97. *Numerical linear algebra with applications*, 5(5):319, September/October 1998. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=62000049&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=62000049>. [Bai95] Special Issue: PRISM 97.
- Axelsson:1999:ESI**
- [Axe99] Owe Axelsson. Editorial: Special Issue: Iterative solution methods for the elasticity equations in mechanics and biomechanics — IMMB 98. *Numerical linear algebra with applications*, 6(6):409–410, September 1999. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=67501475&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract/67501475/START>.
- Axelsson:2002:P**
- [Axe02] Owe Axelsson. Preface. *Numerical linear algebra with applications*, 9(6–7):399–400, Septem-
- [Axe03] [Bar02]
- ber/November 2002. CODEN NLAAEM. ISSN 1070-5325.
- Axelsson:2003:E**
- Owe Axelsson. Editorial. *Numerical linear algebra with applications*, 10(7):561, October/November 2003. CODEN NLAAEM. ISSN 1070-5325.
- Axelsson:2004:E**
- Owe Axelsson. Editorial. *Numerical linear algebra with applications*, 11(5–6):411–412, June/August 2004. CODEN NLAAEM. ISSN 1070-5325.
- Bai:1995:PNS**
- Zhaojun Bai. Progress in the numerical solution of the nonsymmetric eigenvalue problem. *Numerical linear algebra with applications*, 2(3):219–234, 1995. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic).
- Baryamureeba:2002:SLS**
- Venansius Baryamureeba. Solution of large-scale weighted least-squares problems. *Numerical linear algebra with applications*, 9(2):93–106, March 2002. CODEN NLAAEM. ISSN 1070-5325. URL <http://www3.interscience.wiley.com/cgi-bin/abstract/89013910/START>; <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=89013910&PLACEBO=IE.pdf>.
- Basermann:2000:PBI**
- Achim Basermann. Parallel block ILUT/ILDLT preconditioner.

- tioning for sparse eigenproblems and sparse linear systems. *Numerical linear algebra with applications*, 7(7–8):635–648, October/December 2000. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=73505472&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract/73505472/START>.
- Batterson:1995:DAN**
- [Bat95] Steve Batterson. Dynamical analysis of numerical systems. *Numerical linear algebra with applications*, 2(3):297–310, 1995. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic).
- Broyden:1996:CTB**
- [BB96] C. G. Broyden and M. A. Boschetti. A comparison of three basic conjugate direction methods. *Numerical linear algebra with applications*, 3(6):473–489, November/December 1996. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=15001008>.
- Bazan:1997:ZLP**
- [BB97] Fermin S. V. Bazán and Licio H. Bezerra. On zero locations of predictor polynomials. *Numerical linear algebra with applications*, 4(6): [BBKY06]
- 459–468, November/December 1997. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=15049&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=15049>.
- Becker:2000:MTF**
- R. Becker and M. Braack. Multigrid techniques for finite elements on locally refined meshes. *Numerical linear algebra with applications*, 7(6):363–379, September 2000. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=72516700&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract/72516700/START>.
- Benner:2001:EPM**
- Peter Benner and Ralph Byers. Evaluating products of matrix pencils and collapsing matrix products. *Numerical linear algebra with applications*, 8(6–7):357–380, September/November 2001. CODEN NLAAEM. ISSN 1070-5325. URL <http://www3.interscience.wiley.com/cgi-bin/abstract/85007289/START>; <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=85007289&PLACEBO=IE.pdf>.
- Bronstein:2006:MMS**
- M. M. Bronstein, A. M.

- Bronstein, R. Kimmel, and I. Yavneh. Multigrid multidimensional scaling. *Numerical linear algebra with applications*, 13(2–3):149–171, March/April 2006. CODEN NLAAEM. ISSN 1070-5325.
- Brannick:2006:EBA**
- [BBM<sup>+</sup>06] J. Brannick, M. Brezina, S. MacLachlan, T. Manteuffel, S. McCormick, and J. Ruge. An energy-based AMG coarsening strategy. *Numerical linear algebra with applications*, 13(2–3):133–148, March/April 2006. CODEN NLAAEM. ISSN 1070-5325.
- Bunch:2001:ADI**
- [BBP01] J. R. Bunch, R. C. Le Borne, and I. K. Proudler. Analysis of the direct and indirect *a posteriori rsls* algorithm. *Numerical linear algebra with applications*, 8(6–7):453–466, September/November 2001. CODEN NLAAEM. ISSN 1070-5325. URL <http://www3.interscience.wiley.com/cgi-bin/abstract/85007284/>.
- START; <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=85007284&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=10005755&PLACEBO=IE.pdf>
- Bacuta:2003:UFE**
- [BBP03] Constantin Bacuta, James H. Bramble, and Joseph E. Pasciak. Using finite element tools in proving shift theorems for elliptic boundary value problems. *Numerical linear algebra with applications*, 10(1–2):33–64, January/March 2003. CO-
- [BC02]
- DEN NLAAEM. ISSN 1070-5325.
- Blomgren:2002:MSI**
- Peter Blomgren and Tony F. Chan. Modular solvers for image restoration problems using the discrepancy principle. *Numerical linear algebra with applications*, 9(5):347–358, July/August 2002. CODEN NLAAEM. ISSN 1070-5325.
- Bru:1998:MSM**
- Rafael Bru, Rafael Cantó, and Joan-Josep Climent. On  $M$ -multisplittings of singular  $M$ -matrices with application to Markov chains. *Numerical linear algebra with applications*, 5(4):299–311, July/August 1998. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=10005755&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=10005755>.
- Boman:2004:MWB**
- Erik G. Boman, Doron Chen, Bruce Hendrickson, and Sivan Toledo. Maximum-weight-basis preconditioners. *Numerical linear algebra with applications*, 11(8–9):695–721, October/November 2004. CODEN NLAAEM. ISSN 1070-5325.
- Bae:2005:SAA**
- Jinho Bae, Joohwan Chun, and Thomas Kailath. The Schur algorithm applied to the design

- of optical multi-mirror structures. *Numerical linear algebra with applications*, 12(2–3):283–292, March/April 2005. CODEN NLAAEM. ISSN 1070-5325.
- Barel:2005:OST**
- [BCM05] M. Van Barel, E. Van Camp, and N. Mastronardi. Orthogonal similarity transformation into block-semiseparable matrices of semiseparability rank  $k$ . *Numerical linear algebra with applications*, 12(10):981–1000, December 2005. CODEN NLAAEM. ISSN 1070-5325.
- Bergamaschi:2003:EAE**
- [BCV03] Luca Bergamaschi, Marco Caliari, and Marco Vianello. Efficient approximation of the exponential operator for discrete 2D advection-diffusion problems. *Numerical linear algebra with applications*, 10(3):271–289, April/May 2003. CODEN NLAAEM. ISSN 1070-5325.
- Bonhoure:1994:UPP**
- [BDS94] François Bonhoure, Yves Dallery, and William J. Stewart. On the use of periodicity properties for the efficient numerical solution of certain Markov chains. *Numerical linear algebra with applications*, 1(3):265–286, 1994. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic).
- Boonen:2006:AMM**
- [BDV06] Tim Boonen, Geoffrey Deliége, and Stefan Vandewalle. On algebraic multigrid methods derived from partition of unity nodal prolongators. *Numerical linear algebra with applications*, 13(2–3):105–131, March/April 2006. CODEN NLAAEM. ISSN 1070-5325.
- Burrage:1998:PVA**
- [BE98] Kevin Burrage and Jocelyne Erhel. On the performance of various adaptive preconditioned GMRES strategies. *Numerical linear algebra with applications*, 5(2):101–121, March/April 1998. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=5965&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=5965>.
- Beauwens:1994:AFM**
- [Bea94] R. Beauwens. Approximate factorizations with modified S/P consistently ordered  $M$ -factors. *Numerical linear algebra with applications*, 1(1):3–17, 1994. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic).
- Bertaccini:2001:RPI**
- [Ber01] D. Bertaccini. Reliable preconditioned iterative linear solvers for some numerical integrators. *Numerical linear algebra with applications*, 8(2):111–125, March 2001. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506

- (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=76501760&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract/76501760/START>.
- Beuchler:2003:APV**
- [Beu03] Sven Beuchler. AMLI preconditioner for the  $p$ -version of the FEM. *Numerical linear algebra with applications*, 10(8):721–732, December 2003. CODEN NLAAEM. ISSN 1070-5325.
- Berry:1996:LRO**
- [BF96] Michael W. Berry and Riccardo D. Fierro. Low-rank orthogonal decompositions for information retrieval applications. *Numerical linear algebra with applications*, 3(4):301–327, July/August 1996. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=15000993>.
- Borges:1995:SIE**
- [BFG95] Carlos F. Borges, Ruggero Frezza, and William B. Gragg. Some inverse eigenproblems for Jacobi and arrow matrices. *Numerical linear algebra with applications*, 2(3):195–203, 1995. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic).
- Boley:2000:LSP**
- [BG00] Daniel Boley and Todd Goehring. LQ-schur projection on large sparse matrix equations. *Numerical linear algebra with applications*, 7(7–8):491–503, October/December 2000. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=73505470&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract/73505470/START>.
- Branets:2002:DMT**
- [BG02] L. V. Branets and V. A. Garanzha. Distortion measure of trilinear mapping. Application to 3-D grid generation. *Numerical linear algebra with applications*, 9(6–7):511–526, September/November 2002. CODEN NLAAEM. ISSN 1070-5325.
- Bini:2005:SQM**
- Dario A. Bini and Luca Gemignani. Solving quadratic matrix equations and factoring polynomials: new fixed point iterations based on Schur complements of Toeplitz matrices. *Numerical linear algebra with applications*, 12(2–3):181–189, March/April 2005. CODEN NLAAEM. ISSN 1070-5325.
- Bottcher:2005:SCN**
- A. Böttcher and S. M. Grudsky. Structured condition numbers of large Toeplitz matrices are rarely better than usual condition numbers. *Numerical linear algebra with applica-*

- tions*, 12(2–3):95–102, March/April 2005. CODEN NLAAEM. ISSN 1070-5325.
- [BGP97] Luca Bergamaschi, Giuseppe Gambolati, and Giorgio Pini. Asymptotic convergence of conjugate gradient methods for the partial symmetric eigenproblem. *Numerical linear algebra with applications*, 4(2):69–84, March/April 1997. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=15001016&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=15001016>.
- Bergamaschi:1997:ACC**
- [BKP02]
- Bini:2005:SMM**
- [BL03]
- [BGW05] Dario A. Bini, Luca Gemignani, and Joab R. Winkler. Structured matrix methods for CAGD: an application to computing the resultant of polynomials in the Bernstein basis. *Numerical linear algebra with applications*, 12(8):685–698, October 2005. CODEN NLAAEM. ISSN 1070-5325.
- Bini:2005:SMM**
- [Bla94]
- Bergen:2004:HHG**
- [BH04] Benjamin Karl Bergen and Frank Hülsemann. Hierarchical hybrid grids: data structures and core algorithms for multigrid. *Numerical linear algebra with applications*, 11(2–3):279–291, March/April 2004. CODEN NLAAEM. ISSN 1070-5325.
- [Bla02]
- Bakhvalov:2002:ETS**
- N. S. Bakhvalov, A. V. Knyazev, and R. R. Parashkevov. Extension theorems for Stokes and Lamé equations for nearly incompressible media and their applications to numerical solution of problems with highly discontinuous coefficients. *Numerical linear algebra with applications*, 9(2):115–139, March 2002. CODEN NLAAEM. ISSN 1070-5325. URL <http://www3.interscience.wiley.com/cgi-bin/abstract/89013912/>. START; <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=89013912&PLACEBO=IE.pdf>.
- Bohl:2003:IMP**
- Erich Bohl and Peter Lancaster. Irreversible Markov processes for phylogenetic models. *Numerical linear algebra with applications*, 10(7):577–593, October/November 2003. CODEN NLAAEM. ISSN 1070-5325.
- Blaheta:1994:DDI**
- Radim Blaheta. Displacement decomposition—incomplete factorization preconditioning techniques for linearly elasticity problems. *Numerical linear algebra with applications*, 1(2):107–128, 1994. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic).
- Blaheta:2002:GGP**
- Radim Blaheta. GPCG-generalized preconditioned CG

- method and its use with non-linear and non-symmetric displacement decomposition preconditioners. *Numerical linear algebra with applications*, 9(6–7):527–550, September/November 2002. CODEN NLAAEM. ISSN 1070-5325.
- Blaheta:2003:NTG**
- [Bla03] Radim Blaheta. Nested tetrahedral grids and strengthened C.B.S. inequality. *Numerical linear algebra with applications*, 10(7):619–637, October/November 2003. CODEN NLAAEM. ISSN 1070-5325.
- Bastian:1997:PAM**
- [BLE97] Peter Bastian, Stefan Lang, and Knut Eckstein. Parallel adaptive multigrid methods in plane linear elasticity problems. *Numerical linear algebra with applications*, 4(3):153–176, May/June 1997. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=15029&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=15029>.
- Brugnano:2005:SLA**
- [BM05a] Luigi Brugnano and Cecilia Magherini. Some linear algebra issues concerning the implementation of blended implicit methods. *Numerical linear algebra with applications*, 12(2–3):305–314, March/April 2005. CODEN NLAAEM. ISSN 1070-5325.
- [BM05b]
- Bunch:2005:PSS**
- James R. Bunch and Roumelis F. Marcia. A pivoting strategy for symmetric tridiagonal matrices. *Numerical linear algebra with applications*, 12(9):911–922, November 2005. CODEN NLAAEM. ISSN 1070-5325.
- Blaheta:2005:ROM**
- R. Blaheta, S. Margenov, and M. Neytcheva. Robust optimal multilevel preconditioners for non-conforming finite element systems. *Numerical linear algebra with applications*, 12(5–6):495–514, June/August 2005. CODEN NLAAEM. ISSN 1070-5325.
- Beauwens:1994:SPI**
- R. Beauwens, Y. Notay, and B. Tombuyses. S/P images of upper triangular  $M$ -matrices. *Numerical linear algebra with applications*, 1(1):19–31, 1994. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic).
- Barnard:1995:SAE**
- Stephen T. Barnard, Alex Pothen, and Horst Simon. A spectral algorithm for envelope reduction of sparse matrices. *Numerical linear algebra with applications*, 2(4):317–334, 1995. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic).

- Bergamaschi:2000:AIP**
- [BPS00] Luca Bergamaschi, Giorgio Pini, and Flavio Sartoretto. Approximate inverse preconditioning in the parallel solution of sparse eigenproblems. *Numerical linear algebra with applications*, 7(3):99–116, April/May 2000. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=72001232&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract/72001232/START>.
- Bey:1999:CBI**
- [BR99] Jürgen Bey and Arnold Reusken. On the convergence of basic iterative methods for convection-diffusion equations. *Numerical linear algebra with applications*, 6(5):329–352, July/August 1999. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=65500099&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract/65500099/START>.
- Brandts:2002:MCS**
- [Bra02] J. H. Brandts. Matlab code for sorting real Schur forms. *Numerical linear algebra with applications*, 9(3):249–261, April/May 2002. CODEN NLAAEM. ISSN 1070-5325. URL <http://www3.interscience.wiley.com/cgi-bin/abstract/90512120/START>; <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=90512120&PLACEBO=IE.pdf>.
- Bennett:2001:EOD**
- [BS01] Beth Anne V. Bennett and Mitchell D. Smooke. The effect of overall discretization scheme on Jacobian structure, convergence rate, and solution accuracy within the local rectangular refinement method. *Numerical linear algebra with applications*, 8(8):513–536, December 2001. CODEN NLAAEM. ISSN 1070-5325. URL <http://www3.interscience.wiley.com/cgi-bin/abstract/88010580/START>; <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=88010580&PLACEBO=IE.pdf>.
- Bischof:1992:GIC**
- [BT92] Christian H. Bischof and Ping Tak Peter Tang. Generalizing incremental condition estimation. *Journal of Numerical linear algebra with applications*, 1(2):149–163, 1992. CODEN NLAAEM. ISSN 0129-3281.
- Benzi:2003:RIF**
- [BT03] Michele Benzi and Miroslav Tůma. A robust incomplete factorization preconditioner for positive definite matrices. *Numerical linear algebra with applications*, 10(5–6):385–400, July/September 2003. CODEN NLAAEM. ISSN 1070-5325.

- |  |  |
|--|--|
| <div style="border: 1px solid black; padding: 5px; text-align: center;"><b>Bunch:1992:MPL</b></div> <p>[Bun92] James R. Bunch. Matrix properties of the Levinson and Schur algorithms. <i>Journal of Numerical linear algebra with applications</i>, 1(2):183–198, 1992. CODEN NLAAEM. ISSN 0129-3281.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;"><b>Bergamaschi:2000:ECE</b></div> <p>[BV00] Luca Bergamaschi and Marco Vianello. Efficient computation of the exponential operator for large, sparse, symmetric matrices. <i>Numerical linear algebra with applications</i>, 7(1):27–45, January/February 2000. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <a href="http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=71001528&amp;PLACEBO=IE.pdf">http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=71001528&amp;PLACEBO=IE.pdf</a>; <a href="http://www3.interscience.wiley.com/cgi-bin/abstract/71001528/START">http://www3.interscience.wiley.com/cgi-bin/abstract/71001528/START</a>.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;"><b>Bomhof:2000:PLS</b></div> <p>[BvdV00] C. W. Bomhof and H. A. van der Vorst. A parallel linear system solver for circuit simulation problems. <i>Numerical linear algebra with applications</i>, 7(7–8):649–665, October/December 2000. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <a href="http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=73505475&amp;PLACEBO=IE.pdf">http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=73505475&amp;PLACEBO=IE.pdf</a>; <a href="http://www3.interscience.wiley.com/cgi-bin/abstract/73505475/START">http://www3.interscience.wiley.com/cgi-bin/abstract/73505475/START</a>.</p> | <div style="border: 1px solid black; padding: 5px; text-align: center;"><b>Bertaccini:2005:EPM</b></div> <p>[BWN05] Daniele Bertaccini, Youwei Wen, and Michael K. Ng. The eigenvalues of preconditioned matrices for linear multistep formulas in boundary value form. <i>Numerical linear algebra with applications</i>, 12(2–3):315–325, March/April 2005. CODEN NLAAEM. ISSN 1070-5325.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;"><b>Cihlar:1999:NSN</b></div> <p>[CA99] Jan Cihlář and Philippe Angot. Numerical solution of Navier-Stokes systems. <i>Numerical linear algebra with applications</i>, 6(1):17–27, January/February 1999. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <a href="http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=62002984&amp;PLACEBO=IE.pdf">http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=62002984&amp;PLACEBO=IE.pdf</a>; <a href="http://www3.interscience.wiley.com/cgi-bin/abstract?ID=62002984">http://www3.interscience.wiley.com/cgi-bin/abstract?ID=62002984</a>. Czech-US Workshop in Iterative Methods and Parallel Computing, Part I (Milovy, 1997).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;"><b>Cao:2004:FUA</b></div> <p>[Cao04] Zhi-Hao Cao. Fast Uzawa algorithms for solving non-symmetric stabilized saddle point problems. <i>Numerical linear algebra with applications</i>, 11(1):1–24, February 2004. CODEN NLAAEM. ISSN 1070-5325.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;"><b>Carstensen:1997:DDN</b></div> <p>[Car97] Carsten Carstensen. Domain decomposition for a non-smooth convex minimization</p> |
|--|--|

- problem and its application to plasticity. *Numerical linear algebra with applications*, 4(3):177–190, May/June 1997. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=15027&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=15027&PLACEBO=IE.pdf>. [CCLN05]
- Chan:1992:CPE**
- [CC92] Raymond H. Chan and Tony F. Chan. Circulant preconditioners for elliptic problems. *Journal of Numerical linear algebra with applications*, 1(1):77–101, 1992. CODEN NLAAEM. ISSN 0129-3281.
- Chien:2003:ALA**
- [CC03] C.-S. Chien and S.-L. Chang. Application of the Lanczos algorithm for solving the linear systems that occur in continuation problems. *Numerical linear algebra with applications*, 10(4):335–355, June 2003. CODEN NLAAEM. ISSN 1070-5325.
- Chaitin-Chatelin:2000:CNA**
- [CCG00] F. Chaitin-Chatelin and S. Gratton. On the condition numbers associated with the polar factorization of a matrix. *Numerical linear algebra with applications*, 7(5):337–354, July/August 2000. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=72508408&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=72508408&PLACEBO=IE.pdf>. [CDG00]
- Carpentieri:2000:SPS**
- B. Carpentieri, I. S. Duff, and L. Giraud. Sparse pattern selection strategies for robust Frobenius-norm minimization preconditioners in electromagnetism. *Numerical linear algebra with applications*, 7(7–8):667–685, October/December 2000. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=73505479&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=73505479&PLACEBO=IE.pdf>. [CDGmM04]
- Carpentieri:2004:SSP**
- B. Carpentieri, I. S. Duff, L. Giraud, and M. Magolu monga Made. Sparse symmetric preconditioners for dense linear systems in electromagnetism. *Numerical linear algebra with applications*, 11(8–9):753–771, October/November 2004. CODEN NLAAEM. ISSN 1070-5325.

- Cucker:2006:SAS**
- [CDW06] F. Cucker, H. Diao, and Y. Wei. Smoothed analysis of some condition numbers. *Numerical linear algebra with applications*, 13(1):71–84, February 2006. CODEN NLAAEM. ISSN 1070-5325.
- Chen:1996:MPM**
- [CEL<sup>+</sup>96] Zhangxin Chen, Richard E. Ewing, Raytcho D. Lazarov, Serguei Maliassov, and Yuri A. Kuznetsov. Multilevel preconditioners for mixed methods for second order elliptic problems. *Numerical linear algebra with applications*, 3(5):427–453, September/October 1996. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=15001001.1>.
- Chu:2005:CMR**
- [CfX05] Moody T. Chu and Shu fang Xu. On computing minimal realizable spectral radii of non-negative matrices. *Numerical linear algebra with applications*, 12(1):77–86, February 2005. CODEN NLAAEM. ISSN 1070-5325.
- Cai:1994:CSD**
- [CGK94] Xiao-Chuan Cai, William D. Gropp, and David E. Keyes. A comparison of some domain decomposition and *ILU* preconditioned iterative methods for nonsymmetric elliptic problems. *Numerical linear alge-*
- bra with applications, 1(5):477–504, 1994. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic).**
- Chang:2005:APQ**
- [CGK05] Xiao-Wen Chang, Martin J. Gander, and Samir Karaa. Asymptotic properties of the QR factorization of banded Hessenberg-Toeplitz matrices. *Numerical linear algebra with applications*, 12(7):659–682, September 2005. CODEN NLAAEM. ISSN 1070-5325.
- Chatzipantelidis:2005:FVE**
- [CGL05] P. Chatzipantelidis, V. Ginting, and R. D. Lazarov. A finite volume element method for a non-linear elliptic problem. *Numerical linear algebra with applications*, 12(5–6):515–546, June/August 2005. CODEN NLAAEM. ISSN 1070-5325.
- Carvalho:2001:LPT**
- [CGM01] L. M. Carvalho, L. Giraud, and G. Meurant. Local preconditioners for two-level non-overlapping domain decomposition methods. *Numerical linear algebra with applications*, 8(4):207–227, June 2001. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=76509568&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract/76509568/START>.

- |  |  |
|--|--|
| <p><b>Chan:1994:LRR</b></p> <p>[CH94] Tony F. Chan and Per Christian Hansen. Low-rank revealing QR factorizations. <i>Numerical linear algebra with applications</i>, 1(1):33–44, 1994. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic).</p> <p><b>Chen:2003:NVS</b></p> <p>[CH03] Xiaojun Chen and Kouji Hashimoto. Numerical validation of solutions of saddle point matrix equations. <i>Numerical linear algebra with applications</i>, 10(7):661–672, October/November 2003. CODEN NLAAEM. ISSN 1070-5325.</p> <p><b>Chen:2005:SIM</b></p> <p>[CH05] Xuzhou Chen and Robert E. Hartwig. The semi-iterative method applied to the hyper-power iteration. <i>Numerical linear algebra with applications</i>, 12(9):895–910, November 2005. CODEN NLAAEM. ISSN 1070-5325.</p> <p><b>Codevico:2005:SSR</b></p> <p>[CHB05] G. Codevico, G. Heinig, and M. Van Barel. A superfast solver for real symmetric Toeplitz systems using real trigonometric transformations. <i>Numerical linear algebra with applications</i>, 12(8):699–713, October 2005. CODEN NLAAEM. ISSN 1070-5325.</p> | <p><b>Che02]</b></p> <p>Xiaojun Chen. On convergence of SOR methods for non-smooth equations. <i>Numerical linear algebra with applications</i>, 9(1):81–92, January/February 2002. CODEN NLAAEM. ISSN 1070-5325. URL <a href="http://www3.interscience.wiley.com/cgi-bin/abstract/88013648/">http://www3.interscience.wiley.com/cgi-bin/abstract/88013648/</a> START; <a href="http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=88013648&amp;PLACEBO=IE.pdf">http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=88013648&amp;PLACEBO=IE.pdf</a>.</p> <p><b>Chow:2003:UMM</b></p> <p>[Cho03] Edmond Chow. An unstructured multigrid method based on geometric smoothness. <i>Numerical linear algebra with applications</i>, 10(5–6):401–421, July/September 2003. CODEN NLAAEM. ISSN 1070-5325.</p> <p><b>Chu:2004:CIH</b></p> <p>Delin Chu. On the computation of the infimum in <math>H</math>-optimization. <i>Numerical linear algebra with applications</i>, 11(7):619–648, September 2004. CODEN NLAAEM. ISSN 1070-5325.</p> <p><b>Cullum:2003:EPD</b></p> <p>[CJT03] Jane K. Cullum, Keith Johnson, and Miroslav Tůma. Effects of problem decomposition (partitioning) on the rate of convergence of parallel numerical algorithms. <i>Numerical linear algebra with applications</i>, 10(5–6):445–465, July/September 2003. CODEN NLAAEM. ISSN 1070-5325.</p> |
|--|--|

- |  |   |
|--|---|
| <p><b>Chronopoulos:2001:OIM</b></p> <p>[CK01] Anthony T. Chronopoulos and David Kincaid. On the Odir iterative method for non-symmetric indefinite linear systems. <i>Numerical linear algebra with applications</i>, 8(2):71–82, March 2001. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <a href="http://www3.interscience.wiley.com/cgi-bin/abstract?ID=76501757&amp;PLACEBO=IE.pdf">http://www3.interscience.wiley.com/cgi-bin/abstract?ID=76501757&amp;PLACEBO=IE.pdf</a>; <a href="http://www3.interscience.wiley.com/cgi-bin/abstract/76501757/START">http://www3.interscience.wiley.com/cgi-bin/abstract/76501757/START</a>.</p> <p><b>Cai:2002:FEM</b></p> <p>[CKW02] Zhiqiang Cai, Seokchan Kim, and Gyungsoo Woo. A finite element method using singular functions for the Poisson equation: crack singularities. <i>Numerical linear algebra with applications</i>, 9(6–7):445–455, September/November 2002. CODEN NLAAEM. ISSN 1070-5325.</p> <p><b>Cai:1996:CEM</b></p> <p>[CL96] Zhiqiang Cai and Chen-Yao G. Lai. Convergence estimates of multilevel additive and multiplicative algorithms for non-symmetric and indefinite problems. <i>Numerical linear algebra with applications</i>, 3(3):205–220, May/June 1996. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <a href="http://www3.interscience.wiley.com/cgi-bin/abstract?ID=15000990.1">http://www3.interscience.wiley.com/cgi-bin/abstract?ID=15000990.1</a></p> | <p><b>Calvetti:2001:SLS</b></p> <p>[CLR01] D. Calvetti, B. Lewis, and L. Reichel. On the solution of large Sylvester-observer equations. <i>Numerical linear algebra with applications</i>, 8(6–7):435–451, September/November 2001. CODEN NLAAEM. ISSN 1070-5325. URL <a href="http://www3.interscience.wiley.com/cgi-bin/abstract/85007287/1">http://www3.interscience.wiley.com/cgi-bin/abstract/85007287/1</a>; <a href="http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=85007287&amp;PLACEBO=IE.pdf">http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=85007287&amp;PLACEBO=IE.pdf</a>.</p> <p><b>Chan:1996:GSP</b></p> <p>[CNP96] Raymond H. Chan, Michael K. Ng, and Robert J. Plemmons. Generalization of Strang’s preconditioner with applications to Toeplitz least squares problems. <i>Numerical linear algebra with applications</i>, 3(1):45–64, January/February 1996. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <a href="http://www3.interscience.wiley.com/cgi-bin/abstract?ID=15000497.1">http://www3.interscience.wiley.com/cgi-bin/abstract?ID=15000497.1</a></p> <p><b>Ching:2005:SRI</b></p> <p>[CNSY05] Wai-Ki Ching, Michael K. Ng, Kenton N. Sze, and Andy C. Yau. Super-resolution image reconstruction using multisensors. <i>Numerical linear algebra with applications</i>, 12(2–3):271–281, March/April 2005. CODEN NLAAEM. ISSN 1070-5325.</p> |
|--|---|

- Ching:2005:DMS**
- [CNY05] Wai-Ki Ching, Michael K. Ng, and Wai-On Yuen. A direct method for solving block-Toeplitz with near-circulant-block systems with applications to hybrid manufacturing systems. *Numerical linear algebra with applications*, 12(10):957–966, December 2005. CODEN NLAAEM. ISSN 1070-5325.
- Coroian:2004:IOI**
- [Cor04] Dan I. Coroian. Improved outer inverses for the numerical solution of Euler–Lagrange equations. *Numerical linear algebra with applications*, 11(10):853–866, December 2004. CODEN NLAAEM. ISSN 1070-5325.
- Climent:1999:CCT**
- [CP99] Joan-Josep Climent and Carmen Perea. Convergence and comparison theorems for multisplittings. *Numerical linear algebra with applications*, 6(2):93–107, March 1999. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=62002991&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=62002991>.
- Czech-US Workshop in Iterative Methods and Parallel Computing, Part 2 (Milovy, 1997).
- Chan:2001:PNH**
- [CPS01] Raymond H. Chan, Daniel Potts, and Gabriele Steidl. Preconditioners for non-Hermitian Toeplitz systems. *Numerical linear algebra with applications*, 8(2):83–98, March 2001. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=76501758&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract/76501758/START>.
- Calvetti:2005:TRL**
- [CRS05] D. Calvetti, L. Reichel, and A. Shuibi. Tikhonov regularization of large symmetric problems. *Numerical linear algebra with applications*, 12(2–3):127–139, March/April 2005. CODEN NLAAEM. ISSN 1070-5325.
- Concus:1995:MDP**
- [CS95] Paul Concus and Paul Saylor. A modified direct preconditioner for indefinite symmetric Toeplitz systems. *Numerical linear algebra with applications*, 2(5):415–429, 1995. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). Special issue dedicated to David M. Young, Jr.
- Cai:1996:ODD**
- Xiao-Chuan Cai and Yousef Saad. Overlapping domain decomposition algorithms for general sparse matrices. *Numerical linear algebra with applications*, 3(3):221–237, May/

- June 1996. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=15000988>. Chapman:1997:DAK [CV03]
- [CS97] Andrew Chapman and Yousef Saad. Deflated and augmented Krylov subspace techniques. *Numerical linear algebra with applications*, 4(1): 43–66, January/February 1997. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=15001011&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=15001011>. Chan:2002:SCM [CW97]
- [CS02] Tony F. Chan and Ilya Shargov. Subspace correction multilevel methods for elliptic eigenvalue problems. *Numerical linear algebra with applications*, 9(1):1–20, January/February 2002. CODEN NLAAEM. ISSN 1070-5325. URL <http://www3.interscience.wiley.com/cgi-bin/abstract/88013647>. CWS97 START; <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=88013647&PLACEBO=IE.pdf>. Chan:2005:TGM
- [CSCTP05] R. H. Chan, S. Serra-Capizzano, and C. Tablino-Possio. Two-grid methods for banded linear systems from DCT III algebra. *Numerical linear algebra with applications*, 12(2–3):241–249, March/April 2005. CODEN NLAAEM. ISSN 1070-5325. Chow:2003:MBF
- Edmond Chow and Panayot S. Vassilevski. Multilevel block factorizations in generalized hierarchical bases. *Numerical linear algebra with applications*, 10(1–2):105–127, January/March 2003. CODEN NLAAEM. ISSN 1070-5325. Chan:1997:STB
- Raymond H. Chan and C. K. Wong. Sine transform based preconditioners for elliptic problems. *Numerical linear algebra with applications*, 4(5): 351–368, September/October 1997. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=15041&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=15041>. Chien:1997:LTM
- C.-S. Chien, Z.-L. Weng, and C.-L. Shen. Lanczos-type methods for continuation problems. *Numerical linear algebra with applications*, 4(1): 23–41, January/February 1997. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=15001012&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=15001012>.

- [interscience.wiley.com/cgi-bin/abstract?ID=15001012](http://interscience.wiley.com/cgi-bin/abstract?ID=15001012)
- Cai:1999:LSF**
- [CYZ99] Zhiqiang Cai, Xiu Ye, and Hui-long Zhang. Least-squares finite element approximations for the Reissner-Mindlin plate. *Numerical linear algebra with applications*, 6(6):479–496, September 1999. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=67501480&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract/67501480/START>.
- Cai:2002:SOC**
- [CZ02] Xiao-Chuan Cai and Jun Zou. Some observations on the 1 2 convergence of the additive Schwarz preconditioned GMRES method. *Numerical linear algebra with applications*, 9(5):379–397, July/August 2002. CODEN NLAAEM. ISSN 1070-5325.
- Dahlke:2002:BRE**
- [Dah02] Stephan Dahlke. Besov regularity of edge singularities for the Poisson equation in polyhedral domains. *Numerical linear algebra with applications*, 9(6–7):457–466, September/November 2002. CODEN NLAAEM. ISSN 1070-5325.
- Datta:2001:PSI**
- [Dat01] Biswa Nath Datta. Preface for the special issue on numerical linear algebra techniques for control and signal processing. *Numerical linear algebra with applications*, 8(6–7):355–356, September/November 2001. CODEN NLAAEM. ISSN 1070-5325. URL <http://www3.interscience.wiley.com/cgi-bin/abstract/85007285/START>; <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=85007285&PLACEBO=IE.pdf>.
- Dax:1994:RRM**
- Achiya Dax. A row relaxation method for large  $l_p$  least norm problems. *Numerical linear algebra with applications*, 1(3):247–263, 1994. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic).
- Dax:2004:CPH**
- Achiya Dax. Computing projections via Householder transformations and Gram–Schmidt orthogonalizations. *Numerical linear algebra with applications*, 11(7):675–692, September 2004. CODEN NLAAEM. ISSN 1070-5325.
- Dayde:1999:SSP**
- Michel J. Daydé, Jérôme P. Décamps, and Nicholas I. M. Gould. Subspace-by-subspace preconditioners for structured linear systems. *Numerical linear algebra with applications*, 6(3):213–234, April/May 1999. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/abstract/85007285/START>; <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=85007285&PLACEBO=IE.pdf>.
- DDG99**

- //www3.interscience.wiley.com/cgi-bin/fulltext?ID=63003630&PLACEBO=IE.pdf; http://www3.interscience.wiley.com/cgi-bin/abstract?ID=63003630. [DH04]
- Dax:1998:AMN**
- [DE98] Achiya Dax and Lars Eldén. Approximating minimum norm solutions of rank-deficient least squares problems. *Numerical linear algebra with applications*, 5(2):79–99, March/April 1998. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=5964&PLACEBO=IE.pdf; http://www3.interscience.wiley.com/cgi-bin/abstract?ID=5964>.
- Du:2006:ASC**
- [DE06] Qiang Du and Maria Emelianenko. Acceleration schemes for computing centroidal Voronoi tessellations. *Numerical linear algebra with applications*, 13(2–3):173–192, March/April 2006. CODEN NLAAEM. ISSN 1070-5325.
- Dieci:2001:CIS**
- [DF01] L. Dieci and M. J. Friedman. Continuation of invariant subspaces. *Numerical linear algebra with applications*, 8(5):317–327, July/August 2001. CODEN NLAAEM. ISSN 1070-5325. URL <http://www3.interscience.wiley.com/cgi-bin/abstract/82004029/START; http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=82004029&PLACEBO=IE.pdf>. [DHR<sup>+</sup>04]
- Dostal:2004:SFO**
- Zdeněk Dostál and David Horák. Scalable FETI with optimal dual penalty for a variational inequality. *Numerical linear algebra with applications*, 11(5–6):455–472, June/August 2004. CODEN NLAAEM. ISSN 1070-5325.
- Douglas:2004:CAM**
- C. C. Douglas, J. Hu, J. Ray, D. T. Thorne, and R. S. Tuminaro. Cache aware multigrid for variable coefficient elliptic problems on adaptive mesh refinement hierarchies. *Numerical linear algebra with applications*, 11(2–3):173–187, March/April 2004. CODEN NLAAEM. ISSN 1070-5325.
- Demmel:1995:SBF**
- James W. Demmel, Nicholas J. Higham, and Robert S. Schreiber. Stability of block LU factorization. *Numerical linear algebra with applications*, 2(2):173–190, 1995. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic).
- Druskin:1995:KSA**
- Vladimir Druskin and Leonid Knizhnerman. Krylov subspace approximation of eigenpairs and matrix functions in exact and computer arithmetic. *Numerical linear algebra with applications*, 2(3):205–217, 1995. CO-

- DEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic).
- Dai:1997:NMG**
- [DL97] Hua Dai and Peter Lancaster. Newton's method for a generalized inverse eigenvalue problem. *Numerical linear algebra with applications*, 4(1):1–21, January/February 1997. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=15001013&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=15001013>.
- Dai:2003:IAP**
- [DMY03] Yu-Hong Dai, José Mario Martínez, and Jin-Yun Yuan. An increasing-angle property of the conjugate gradient method and the implementation of large-scale minimization algorithms with line searches. *Numerical linear algebra with applications*, 10(4):323–334, June 2003. CODEN NLAAEM. ISSN 1070-5325.
- Dobrowolski:1999:FEM**
- [Dob99] Manfred Dobrowolski. Finite element methods for elliptic systems with constraints. *Numerical linear algebra with applications*, 6(2):115–124, March 1999. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=62002993&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=62002993>.
- DP03**
- [Don05] M. Donatelli. A multigrid for image deblurring with Tikhonov regularization. *Numerical linear algebra with applications*, 12(8):715–729, October 2005. CODEN NLAAEM. ISSN 1070-5325.
- Donatelli:2005:MID**
- Zdeněk Dostál. On preconditioning and penalized matrices. *Numerical linear algebra with applications*, 6(2):109–114, March 1999. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=62002992&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=62002992>. Czech-US Workshop in Iterative Methods and Parallel Computing, Part 2 (Milovy, 1997).
- Dostal:1999:PPM**
- M. Dryja and W. Proskurowski. On preconditioners for mortar discretization of elliptic problems. *Numerical linear algebra with applications*, 10(1–2):65–82, January/March 2003. CODEN NLAAEM. ISSN 1070-5325.
- Dryja:2003:PMD**

- |   |   |
|---|---|
| <div style="border: 1px solid black; padding: 5px; text-align: center;"><b>Durazzi:2003:IPC</b></div> <p>[DR03] C. Durazzi and V. Ruggiero. Indefinitely preconditioned conjugate gradient method for large sparse equality and inequality constrained quadratic problems. <i>Numerical linear algebra with applications</i>, 10(8):673–688, December 2003. CODEN NLAAEM. ISSN 1070-5325.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;"><b>Dimitrov:2002:AEN</b></div> <p>[DS02] A. Dimitrov and E. Schnack. Asymptotical expansion in non-Lipschitzian domains — a numerical approach. <i>Numerical linear algebra with applications</i>, 9(6–7):467–492, September/November 2002. CODEN NLAAEM. ISSN 1070-5325.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;"><b>Dardyk:2004:MAT</b></div> <p>[DY04] Gregory Dardyk and Irad Yavneh. A multigrid approach to two-dimensional phase unwrapping. <i>Numerical linear algebra with applications</i>, 11(2–3):241–259, March/April 2004. CODEN NLAAEM. ISSN 1070-5325.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;"><b>Elsner:1995:MNN</b></div> <p>[EHM95] Ludwig Elsner, Chun Yang He, and Volker Mehrmann. Minimization of the norm, the norm of the inverse and the condition number of a matrix by completion. <i>Numerical linear algebra with applications</i>, 2(2):155–171, 1995. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic).</p> | <div style="border: 1px solid black; padding: 5px; text-align: center;"><b>EJK01</b></div> <p>[EJK01] Erik Elmroth, Pedher Johansson, and Bo Kågström. Computation and presentation of graphs displaying closure hierarchies of Jordan and Kronecker structures. <i>Numerical linear algebra with applications</i>, 8(6–7):381–399, September/November 2001. CODEN NLAAEM. ISSN 1070-5325. URL <a href="http://www3.interscience.wiley.com/cgi-bin/abstract/85007286/">http://www3.interscience.wiley.com/cgi-bin/abstract/85007286/</a> START; <a href="http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=85007286&amp;PLACEBO=IE.pdf">http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=85007286&amp;PLACEBO=IE.pdf</a>.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;"><b>Elmroth:2001:CPG</b></div> <div style="border: 1px solid black; padding: 5px; text-align: center;"><b>Egana:2002:IEM</b></div> <p>[EKS02] Juan C. Egaña, Nelson M. Kuhl, and Luis C. Santos. An inverse eigenvalue method for frequency isolation in spring-mass systems. <i>Numerical linear algebra with applications</i>, 9(1):65–79, January/February 2002. CODEN NLAAEM. ISSN 1070-5325. URL <a href="http://www3.interscience.wiley.com/cgi-bin/abstract/88013651/">http://www3.interscience.wiley.com/cgi-bin/abstract/88013651/</a> START; <a href="http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=88013651&amp;PLACEBO=IE.pdf">http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=88013651&amp;PLACEBO=IE.pdf</a>.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;"><b>Ewing:1994:LRT</b></div> <p>[ELV94] R. E. Ewing, R. D. Lazarov, and P. S. Vassilevski. Local refinement techniques for elliptic problems on cell-centered grids. II. optimal order two-grid iterative methods. <i>Numerical linear algebra with applications</i>, 1(4):337–368, 1994. CODEN NLAAEM. ISSN 1070-</p> |
|---|---|

- 5325 (print), 1099-1506 (electronic).
- Edelman:1995:PMN**
- [EM95] Alan Edelman and Walter F. Mascarenhas. On Parlett's matrix norm inequality for the Cholesky decomposition. *Numerical linear algebra with applications*, 2(3):243–250, 1995. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic).
- Escalante:1996:DAC**
- [ER96] René Escalante and Marcos Raydan. Dykstra's algorithm for a constrained least-squares matrix problem. *Numerical linear algebra with applications*, 3(6):459–471, November/December 1996. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=15001009>.
- Elden:2005:MLE**
- [ES05] Lars Eldén and Berkant Savas. The maximum likelihood estimate in reduced-rank regression. *Numerical linear algebra with applications*, 12(8):731–741, October 2005. CODEN NLAAEM. ISSN 1070-5325.
- Ewing:2003:SDF**
- [EWY03] Richard E. Ewing, Junping Wang, and Yongjun Yang. A stabilized discontinuous finite element method for elliptic problems. *Numerical linear algebra with applications*, 10(1–2):83–104, January/March 2003. CODEN NLAAEM. ISSN 1070-5325.
- Ecker:1996:SPM**
- [EZ96] Alois Ecker and Walter Zulehner. On the smoothing property of multigrid methods in the non-symmetric case. *Numerical linear algebra with applications*, 3(2):161–172, March/April 1996. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=15000982>.
- Falgout:2006:SIM**
- [Fal06] Robert D. Falgout. Special issue on multigrid methods. *Numerical linear algebra with applications*, 13(2–3):85, March/April 2006. CODEN NLAAEM. ISSN 1070-5325.
- Fasino:2005:RKM**
- [Fas05] Dario Fasino. Rational Krylov matrices and QR steps on Hermitian diagonal-plus-semiseparable matrices. *Numerical linear algebra with applications*, 12(8):743–754, October 2005. CODEN NLAAEM. ISSN 1070-5325.
- Fierro:1995:OPT**
- [FB95] Ricardo D. Fierro and James R. Bunch. Orthogonal projection and total least squares. *Numerical linear algebra with applications*, 2(2):135–153, 1995. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic).

- Ferket:1996:FDB**
- [Fer96] P. J. J. Ferket. The finite difference based fast adaptive composite grid method. *Numerical linear algebra with applications*, 3(5):391–411, September/October 1996. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=15000999>.
- Fiore:2005:LCM**
- [FFZ05] Carmine Di Fiore, Stefano Fanelli, and Paolo Zellini. Low-complexity minimization algorithms. *Numerical linear algebra with applications*, 12(8):755–768, October 2005. CODEN NLAAEM. ISSN 1070-5325.
- Fasino:2002:LTA**
- [FG02] Dario Fasino and Luca Gemignani. A Lanczos-type algorithm for the *QR* factorization of regular Cauchy matrices. *Numerical linear algebra with applications*, 9(4):305–319, June 2002. CODEN NLAAEM. ISSN 1070-5325. URL <http://www3.interscience.wiley.com/cgi-bin/abstract/92012855>.  
START; <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=92012855&PLACEBO=IE.pdf>.
- Freund:1994:UTQ**
- [FH94] Roland W. Freund and Marlis Hochbruck. On the use of two *QMR* algorithms for solving singular systems and applications in Markov chain mod-
- Fierro:2005:LRS**
- [FJ05] Ricardo D. Fierro and Eric P. Jiang. Lanczos and the Riemannian SVD in information retrieval applications. *Numerical linear algebra with applications*, 12(4):355–372, May 2005. CODEN NLAAEM. ISSN 1070-5325.
- Farhat:2000:SDP**
- [FLP00] Charbel Farhat, Michael Lesoinne, and Kendall Pierson. A scalable dual-primal domain decomposition method. *Numerical linear algebra with applications*, 7(7–8):687–714, October/December 2000. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=73505483&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract/73505483/START>.
- Ferng:2001:NTM**
- [FLPW01] William R. Ferng, Wen-Wei Lin, Daniel J. Pierce, and Chern-Shuh Wang. Nonequivalence transformation of  $\lambda$ -matrix eigenproblems and model embedding approach to model tuning. *Numerical linear algebra with applications*, 8(1):53–70, January/February 2001. CODEN NLAAEM. ISSN

- 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=76501455&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract/76501455/START>. [FP95a]
- Farkas:2003:CAP**
- [FLR03] András Farkas, Peter Lancaster, and Pál Rózsa. Consistency adjustments for pairwise comparison matrices. *Numerical linear algebra with applications*, 10(8):689–700, December 2003. CODEN NLAAEM. ISSN 1070-5325.
- [Freund:1999:CUW] Ronold W. Freund and Ivo Marek. Czech-US workshop on iterative methods and parallel computing. *Numerical linear algebra with applications*, 6(1):1, January/February 1999. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=62002988&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=62002988>. Special Issue: Czech-US Workshop on Iterative Methods and Parallel Computing. [FP05]
- Freitag:1995:RAD**
- [FO95] Lori A. Freitag and James M. Ortega. The RSCG algorithm on distributed memory architectures. *Numerical linear algebra with applications*, 2(5):401–414, 1995. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). Special issue dedicated to David M. Young, Jr.
- Fernando:1995:ICA**
- K. Vince Fernando and Beresford N. Parlett. Implicit Cholesky algorithms for singular values and vectors of triangular matrices. *Numerical linear algebra with applications*, 2(6):507–531, 1995. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic).
- Frommer:1995:CRM**
- Andreas Frommer and Bert Pohl. A comparison result for multisplittings and waveform relaxation methods. *Numerical linear algebra with applications*, 2(4):335–346, 1995. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic).
- Fenn:2005:FSB**
- Markus Fenn and Daniel Potts. Fast summation based on fast trigonometric transforms at non-equispaced nodes. *Numerical linear algebra with applications*, 12(2–3):161–169, March/April 2005. CODEN NLAAEM. ISSN 1070-5325.
- Fraysse:1998:NNP**
- Valérie Frayssé and Vincent Toumazou. A note on the normwise perturbation theory for the regular generalized eigenproblem. *Numerical linear algebra with applications*, 5(1):

- 1–10, January/February 1998. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=5959&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=5959>.
- Falgout:2005:TGC**
- [FVZ05] Robert D. Falgout, Panayot S. Vassilevski, and Ludmil T. Zikatanov. On two-grid convergence estimates. *Numerical linear algebra with applications*, 12(5–6):471–494, June/August 2005. CODEN NLAAEM. ISSN 1070-5325.
- Fang:2001:SFD**
- [FY01] Qing Fang and Tetsuro Yamamoto. Superconvergence of finite difference approximations for convection-diffusion problems. *Numerical linear algebra with applications*, 8(2):99–110, March 2001. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=76501759&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract/76501759/START>.
- Gander:1999:WRA**
- [Gan99] Martin J. Gander. A waveform relaxation algorithm with overlapping splitting for reaction diffusion equations. *Numerical linear algebra with applications*, 6(2):125–145, March 1999. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=62002994&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=62002994>.
- Czech-US Workshop in Iterative Methods and Parallel Computing, Part 2 (Milovy, 1997).
- Gander:2005:CBP**
- [Gan05] W. Gander. Change of basis in polynomial interpolation. *Numerical linear algebra with applications*, 12(8):769–778, October 2005. CODEN NLAAEM. ISSN 1070-5325.
- Garanzha:2001:BVG**
- [Gar01] V. A. Garanzha. Barrier variational generation of quasi-isometric grids. *Numerical linear algebra with applications*, 8 (5):329–353, July/August 2001. CODEN NLAAEM. ISSN 1070-5325. URL <http://www3.interscience.wiley.com/cgi-bin/abstract/82004030/START>; <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=82004030&PLACEBO=IE.pdf>.
- Garanzha:2002:MNO**
- [Gar02] V. A. Garanzha. Maximum norm optimization of quasi-isometric mappings. *Numerical linear algebra with applications*, 9(6–7):493–510, September/November 2002. CODEN NLAAEM. ISSN 1070-5325.

- Garanzha:2004:VPG**
- [Gar04] V. A. Garanzha. Variational principles in grid generation and geometric modelling: theoretical justifications and open problems. *Numerical linear algebra with applications*, 11(5–6):535–563, June/August 2004. CODEN NLAAEM. ISSN 1070-5325.
- Gemignani:2000:ESS**
- [Gem00] Luca Gemignani. Efficient and stable solution of structured Hessenberg linear systems arising from difference equations. *Numerical linear algebra with applications*, 7(5):319–335, July/August 2000. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=72508406&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract/72508406/START>.
- Gatica:2001:MRI**
- [GH01] Gabriel N. Gatica and Norbert Heuer. Minimum residual iteration for a dual-dual mixed formulation of exterior transmission problems. *Numerical linear algebra with applications*, 8(3):147–164, April/May 2001. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=76506693&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract/76506693/START>.
- GK:2004:TNT**
- [GKK04] V. Garanzha, I. Kaporin, and I. Konshin. Truncated Newton type solver with application to grid untangling problem. *Numerical linear algebra with applications*, 11(5–6):535–563, June/August 2004. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=62002967&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=62002967>.
- Glunt:1998:NDS**
- [GHR98] William Glunt, Thomas L. Hayden, and Robert Reams. The nearest “doubly stochastic” matrix to a real matrix with the same first moment. *Numerical linear algebra with applications*, 5(6):475–482, November/December 1998. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=62002967&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=62002967>.
- George:2002:GFG**
- [George02] Alan George, Khakim D. Ikramov, and Andrey B. Kucherov. On the growth factor in Gaussian elimination for generalized Higham matrices. *Numerical linear algebra with applications*, 9(2):107–114, March 2002. CODEN NLAAEM. ISSN 1070-5325. URL <http://www3.interscience.wiley.com/cgi-bin/abstract/89013911/START>; <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=89013911&PLACEBO=IE.pdf>.
- Garanzha:2004:TNT**
- [Garanzha04] V. Garanzha, I. Kaporin, and I. Konshin. Truncated Newton type solver with application to grid untangling problem. *Numerical linear algebra with applications*, 11(5–6):535–563, June/August 2004. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=62002967&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=62002967>.

- with applications*, 11(5–6):525–533, June/August 2004. CODEN NLAAEM. ISSN 1070-5325.
- [GL96]
- [GKY97] F. A. Gruzinov, L. Yu. Kolotilina, and A. Yu. Yeremin. Block SSOR preconditionings for high-order 3D FE systems. III. Incomplete BSSOR preconditionings based on  $p$ -partitionings. *Numerical linear algebra with applications*, 4(5):393–423, September/October 1997. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=15043&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=15043>.
- [GL98]
- [GL95a] Ali R. Ghavimi and Alan J. Laub. Backward error, sensitivity, and refinement of computed solutions of algebraic Riccati equations. *Numerical linear algebra with applications*, 2(1):29–49, 1995. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic).
- [GL02]
- [GL95b] Ivar Gustafsson and Gunhild Lindskog. Completely parallelizable preconditioning methods. *Numerical linear algebra with applications*, 2(5):447–465, 1995. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). Special issue dedicated to David M. Young, Jr.
- Gustafsson:1996:PAO**
- Ivar Gustafsson and Gunhild Lindskog. Parallel algorithms for orthotropic problems. *Numerical linear algebra with applications*, 3(3):185–203, May/June 1996. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=15000991>.
- Gustafsson:1998:PSL**
- Ivar Gustafsson and Gunhild Lindskog. On parallel solution of linear elasticity problems: Part I: theory. *Numerical linear algebra with applications*, 5(2):123–139, March/April 1998. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=5966&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=5966>.
- Gustafsson:2002:PSL**
- I. Gustafsson and G. Lindskog. On parallel solution of linear elasticity problems. Part II: Methods and some computer experiments. *Numerical linear algebra with applications*, 9(3):205–221, April/May 2002. CODEN NLAAEM. ISSN 1070-5325. URL <http://www3.interscience.wiley.com/cgi-bin/abstract/90512112/START>; <http://www3.interscience.wiley.com/cgi-bin/abstract/90512112>.

- wiley.com/cgi-bin/fulltext?ID=90512112&PLACEBO=IE.pdf.
- Gaspar:2004:SCC**
- [GLOW04] F. J. Gaspar, F. J. Lisbona, C. W. Oosterlee, and R. Wienands. A systematic comparison of coupled and distributive smoothing in multigrid for the poroelasticity system. *Numerical linear algebra with applications*, 11(2–3):93–113, March/April 2004. CODEN NLAAEM. ISSN 1070-5325.
- Griebel:2006:CGC**
- [GMOS06] Michael Griebel, Bram Metsch, Daniel Oeltz, and Marc Alexander Schweitzer. Coarse grid classification: a parallel coarsening scheme for algebraic multigrid methods. *Numerical linear algebra with applications*, 13(2–3):193–214, March/April 2006. CODEN NLAAEM. ISSN 1070-5325.
- Giraud:2005:IVD**
- [GMR05] L. Giraud, A. Marrocco, and J.-C. Rioual. Iterative versus direct parallel substructuring methods in semiconductor device modelling. *Numerical linear algebra with applications*, 12(1):33–53, February 2005. CODEN NLAAEM. ISSN 1070-5325.
- Gander:2000:APB**
- [GN00] Martin J. Gander and Frédéric Nataf. AILU: a preconditioner based on the analytic factorization of the elliptic operator. *Numerical linear al-*
- [GR99] [GR04]
- gebra with applications*, 7(7–8):505–526, October/December 2000. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=73505477&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract/73505477/START>.
- Goossens:1999:RHR**
- Serge Goossens and Dirk Roose. Ritz and harmonic Ritz values and the convergence of FOM and GMRES. *Numerical linear algebra with applications*, 6(4):281–293, June 1999. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=65500096&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract/65500096/START>.
- Guo:2004:EUV**
- Hongbin Guo and Rosemary A. Renaut. Estimation of  $uT(A)v$  for large-scale unsymmetric matrices. *Numerical linear algebra with applications*, 11(1):75–89, February 2004. CODEN NLAAEM. ISSN 1070-5325.
- Guo:2005:PVD**
- Hongbin Guo and Rosemary A. Renaut. Parallel variable distribution for total least squares. *Numerical linear algebra with applications*, 12(9):859–

- 876, November 2005. CODEN NLAAEM. ISSN 1070-5325.
- Grosz:2000:PIB**
- [Gro00] L. Grosz. Preconditioning by incomplete block elimination. *Numerical linear algebra with applications*, 7(7–8):527–541, October/December 2000. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=73505481&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract/73505481/START>.
- Govaerts:1997:RDM**
- [GS97] W. Govaerts and B. Sijnaven. Rank-deficient matrices as a computational tool. *Numerical linear algebra with applications*, 4(6):443–458, November/December 1997. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=15048&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=15048>.
- Genseberger:1999:ACE**
- [GS99] Menno Genseberger and Gerard L. G. Sleijpen. Alternative correction equations in the Jacobi-Davidson method. *Numerical linear algebra with applications*, 6(3):235–253, April/May 1999. CODEN NLAAEM.
- ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=63003631&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=63003631>.
- Gu:2005:NSP**
- [Gu05] G.-D. Gu and V. Simoncini. Numerical solution of parameter-dependent linear systems. *Numerical linear algebra with applications*, 12(9):923–940, November 2005. CODEN NLAAEM. ISSN 1070-5325.
- Golub:2001:PBS**
- Gene H. Golub, Ahmed H. Sameh, and Vivek Sarin. A parallel balance scheme for banded linear systems. *Numerical linear algebra with applications*, 8 (5):297–316, July/August 2001. CODEN NLAAEM. ISSN 1070-5325. URL <http://www3.interscience.wiley.com/cgi-bin/abstract/82004028/START>; <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=82004028&PLACEBO=IE.pdf>.
- Goreinov:1997:MFI**
- S. A. Goreinov, E. E. Tyrtyshnikov, and A. Yu. Yeremin. Matrix-free iterative solution strategies for large dense linear systems. *Numerical linear algebra with applications*, 4 (4):273–294, July/August 1997. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/abstract/82004028>.

- com/cgi-bin/fulltext?ID=15039&PLACEBO=IE.pdf; <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=15039>.
- Gustafson:1997:OTI**
- [Gus97] K. Gustafson. Operator trigonometry of iterative methods. *Numerical linear algebra with applications*, 4(4):333–347, July/August 1997. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=15038&PLACEBO=IE.pdf; http://www3.interscience.wiley.com/cgi-bin/abstract?ID=15038>. [Gus04b]
- Gustafson:1998:OTM**
- [Gus98] Karl Gustafson. Operator trigonometry of the model problem. *Numerical linear algebra with applications*, 5(5):377–399, September/October 1998. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=62000046&PLACEBO=IE.pdf; http://www3.interscience.wiley.com/cgi-bin/abstract?ID=62000046>. Special Issue: PRISM 97 (Nijmegen). [GVT03]
- Gustafson:2003:OTP**
- [Gus03] Karl Gustafson. Operator trigonometry of preconditioning, domain decomposition, sparse approximate inverses, successive overrelaxation, minimum residual schemes. *Numerical linear algebra with applications*, 10(4):291–315, June 2003. CODEN NLAAEM. ISSN 1070-5325.
- Gustafson:2004:IPL**
- Karl Gustafson. An inner product lemma. *Numerical linear algebra with applications*, 11(7):649–659, September 2004. CODEN NLAAEM. ISSN 1070-5325.
- Gustafson:2004:ND**
- Karl Gustafson. Normal degree. *Numerical linear algebra with applications*, 11(7):661–674, September 2004. CODEN NLAAEM. ISSN 1070-5325.
- Giraud:2003:GTO**
- L. Giraud, F. Guevara Vasquez, and R. S. Tuminaro. Grid transfer operators for highly variable coefficient problems in two-level non-overlapping domain decomposition methods. *Numerical linear algebra with applications*, 10(5–6):467–484, July/September 2003. CODEN NLAAEM. ISSN 1070-5325.
- Gulliksson:2000:PTG**
- Mårten Gulliksson and Per-Åke Wedin. Perturbation theory for generalized and constrained linear least squares. *Numerical linear algebra with applications*, 7(4):181–195, May 2000. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=15039&PLACEBO=IE.pdf; http://www3.interscience.wiley.com/cgi-bin/abstract?ID=15039>.

- com/cgi-bin/fulltext?ID=72507875&PLACEBO=IE.pdf; http://www3.interscience.wiley.com/cgi-bin/abstract/72507875/START.
- Hackbusch:1992:PCG**
- [Hac92] Wolfgang Hackbusch. A parallel conjugate gradient method. *Journal of Numerical linear algebra with applications*, 1(2):133–147, 1992. CODEN [HG00] NLAAEM. ISSN 0129-3281.
- Huckaby:2005:SPQ**
- [HC05] D. A. Huckaby and T. F. Chan. Stewart’s pivoted QLP decomposition for low-rank matrices. *Numerical linear algebra with applications*, 12(2–3):153–159, March/April 2005. CODEN NLAAEM. ISSN 1070-5325.
- Hemmingsson:1996:TPB**
- [Hem96] Lina Hemmingsson. Toeplitz preconditioners with block structure for first-order PDEs. *Numerical linear algebra with applications*, 3(1):21–44, January/February 1996. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=15000500>.
- Hemmingsson-Frändén:2001:NOP**
- [HFW01] Lina Hemmingsson-Frändén and Andrew Wathen. A nearly optimal preconditioner for the Navier-Stokes equations. *Numerical linear algebra with applications*, 8(4):229–243, June 2001. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=76510167&PLACEBO=IE.pdf; http://www3.interscience.wiley.com/cgi-bin/abstract/76510167/START>.
- He:2000:SBF**
- J. W. He and R. Glowinski. Steady Bingham fluid flow in cylindrical pipes: a time dependent approach to the iterative solution. *Numerical linear algebra with applications*, 7(6):381–428, September 2000. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=72516699&PLACEBO=IE.pdf; http://www3.interscience.wiley.com/cgi-bin/abstract/72516699/START>.
- Hemker:2004:FTL**
- [HHvR04] P. W. Hemker, W. Hoffmann, and M. H. van Raalte. Fourier two-level analysis for discontinuous Galerkin discretization with linear elements. *Numerical linear algebra with applications*, 11(5–6):473–491, June/August 2004. CODEN NLAAEM. ISSN 1070-5325.
- Han:1997:NAP**
- [HJR97] Weimin Han, Søren Jensen, and B. Daya Reddy. Numerical approximations of problems in plasticity: error analy-

- sis and solution algorithms. *Numerical linear algebra with applications*, 4(3):191–204, May/June 1997. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=15033&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=15033>. [HLLW05]
- Hackbusch:2002:BKA**
- [HK02] W. Hackbusch and B. N. Khoromskij. Blended kernel approximation in the  $\mathcal{H}$ -matrix techniques. *Numerical linear algebra with applications*, 9(4):281–304, June 2002. CODEN NLAAEM. ISSN 1070-5325. URL <http://www3.interscience.wiley.com/cgi-bin/abstract/92012857>. [HLM92]
- Hlavacek:1999:RSS**
- [Hla99] Ivan Hlaváček. Reliable solution of a Signorini contact problem with friction. *Numerical linear algebra with applications*, 6(6):411–434, September 1999. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=67501476&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract/67501476/START>. [HM03]
- Hwang:2005:JDM**
- Tsung-Min Hwang, Wen-Wei Lin, Jinn-Liang Liu, and Weichung Wang. Jacobi–Davidson methods for cubic eigenvalue problems. *Numerical linear algebra with applications*, 12(7):605–624, September 2005. CODEN NLAAEM. ISSN 1070-5325.
- Haase:1992:DDP**
- Gundolf Haase, Ulrich Langer, and Arnd Meyer. Domain decomposition preconditioners with inexact subdomain solvers. *Journal of Numerical linear algebra with applications*, 1(1):27–41, 1992. CODEN NLAAEM. ISSN 0129-3281.
- Hansen:1996:PPS**
- Per Christian Hansen and Klaus Mosegaard. Piecewise polynomial solutions without a priori break points. *Numerical linear algebra with applications*, 3(6):513–524, November/December 1996. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=15001006>.
- Hanna:2003:CMB**
- Magdy Tawfik Hanna and Sana Ahmed Mansoori. A centrosymmetric matrix based technique for the interpolation of a Hermitian signal. *Numerical linear algebra with applications*, 10(8):701–720, December 2003.

2003. CODEN NLAAEM. ISSN 1070-5325.
- Heuer:1999:PMR**
- [HMS99] Norbert Heuer, Matthias Maischak, and Ernst P. Stephan. Preconditioned minimum residual iteration for the  $h-p$  version of the coupled FEM/BEM with quasi-uniform meshes. *Numerical linear algebra with applications*, 6(6):435–456, September 1999. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=67501478&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract/67501478/START>.
- Ho:2005:SIC**
- [HN05] Man-Kiu Ho and Michael K. Ng. Splitting iterations for circulant-plus-diagonal systems. *Numerical linear algebra with applications*, 12(8):779–792, October 2005. CODEN NLAAEM. ISSN 1070-5325.
- Homke:2006:MMA**
- [Höm06] Lars Hömke. A multigrid method for anisotropic PDEs in elastic image registration. *Numerical linear algebra with applications*, 13(2–3):215–229, March/April 2006. CODEN NLAAEM. ISSN 1070-5325.
- Huffel:1995:ERA**
- [HP95] Sabine Van Huffel and Haesun Park. Efficient reduction algorithms for bordered band matrices. *Numerical linear algebra with applications*, 2(2):95–113, 1995. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic).
- Hackbusch:1997:DGS**
- [HP97] Wolfgang Hackbusch and Thomas Probst. Downwind Gauss-Seidel smoothing for convection dominated problems. *Numerical linear algebra with applications*, 4(2):85–102, March/April 1997. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=15001017&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=15001017>.
- Hoppe:2004:PDN**
- [HP04] R. H. W. Hoppe and S. I. Petrova. Primal-dual Newton interior point methods in shape and topology optimization. *Numerical linear algebra with applications*, 11(5–6):413–429, June/August 2004. CODEN NLAAEM. ISSN 1070-5325.
- Harbrecht:2003:MPC**
- [HPPS03] Helmut Harbrecht, Freddy Paiva, Cristian Pérez, and Reinhold Schneider. Multiscale preconditioning for the coupling of FEM-BEM. *Numerical linear algebra with applications*, 10(3):197–222, April/May 2003. CODEN NLAAEM. ISSN 1070-5325.

- |           |  |                 |   |
|-----------|--|-----------------|---|
|           | <b>Heinig:2005:SAS</b>   |                 | PLACEBO=IE.pdf; <a href="http://www3.interscience.wiley.com/cgi-bin/abstract?ID=5962">http://www3.interscience.wiley.com/cgi-bin/abstract?ID=5962</a> .   |
| [HR05]    | G. Heinig and K. Rost. Split algorithms for symmetric Toeplitz matrices with arbitrary rank profile. <i>Numerical linear algebra with applications</i> , 12(2–3):141–151, March/April 2005. CODEN NLAAEM. ISSN 1070-5325.  | [Ibr02]         | Ilghiz Ibraghimov. Application of the three-way decomposition for matrix compression. <i>Numerical linear algebra with applications</i> , 9(6–7):551–565, September/November 2002. CODEN NLAAEM. ISSN 1070-5325.  |
| [HS05]    | Yifan Hu and Jennifer Scott. Ordering techniques for singly bordered block diagonal forms for unsymmetric parallel sparse direct solvers. <i>Numerical linear algebra with applications</i> , 12(9):877–894, November 2005. CODEN NLAAEM. ISSN 1070-5325.  | [IK00]          | Khakim D. Ikramov and Andrey B. Kucherov. Bounding the growth factor in Gaussian elimination for Buckley’s class of complex symmetric matrices. <i>Numerical linear algebra with applications</i> , 7(5):269–274, July/August 2000. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <a href="http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=72508409&amp;PLACEBO=IE.pdf">http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=72508409&amp;PLACEBO=IE.pdf</a> ; <a href="http://www3.interscience.wiley.com/cgi-bin/abstract/72508409/START">http://www3.interscience.wiley.com/cgi-bin/abstract/72508409/START</a> . |
| [HSCTP05] | Thomas Huckle, Stefano Serra-Capizzano, and Cristina Tablino-Possio. Preconditioning strategies for non-Hermitian Toeplitz linear systems. <i>Numerical linear algebra with applications</i> , 12(2–3):211–220, March/April 2005. CODEN NLAAEM. ISSN 1070-5325.  | [IMBD96]        | L. Gr. Ixaru, H. De Meyer, G. Vanden Berghe, and M. Van Daele. A regularization procedure for $\sum_{i=1}^n f_i(z_j)x_i = g(z_j)$ ( $j = 1, 2, \dots, n$ ). <i>Numerical linear algebra with applications</i> , 3(1):81–90, January/February 1996. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <a href="http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=5962&amp;PLACEBO=IE.pdf">http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=5962&amp;PLACEBO=IE.pdf</a> ; <a href="http://www3.interscience.wiley.com/cgi-bin/abstract?ID=5962">http://www3.interscience.wiley.com/cgi-bin/abstract?ID=5962</a> .        |
| [Huc98]   | Thomas K. Huckle. Efficient computation of sparse approximate inverses. <i>Numerical linear algebra with applications</i> , 5(1):57–71, January/February 1998. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <a href="http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=5962&amp;PLACEBO=IE.pdf">http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=5962&amp;PLACEBO=IE.pdf</a> ; <a href="http://www3.interscience.wiley.com/cgi-bin/abstract?ID=5962">http://www3.interscience.wiley.com/cgi-bin/abstract?ID=5962</a> . | [Ixaru:1996:RP] |   |

- interscience.wiley.com/cgi-bin/abstract?ID=15000499.  
**Ilic:2005:KSA**
- [IT05] M. Ilić and I. W. Turner. Krylov subspaces and the analytic grade. *Numerical linear algebra with applications*, 12(1): 55–76, February 2005. CODEN NLAAEM. ISSN 1070-5325.
- Iontcheva:2004:MMM**
- [IV04] Ana H. Iontcheva and Panayot S. Vassilevski. Monotone multigrid methods based on element agglomeration coarsening away from the contact boundary for the Signorini's problem. *Numerical linear algebra with applications*, 11(2-3):189–204, March/April 2004. CODEN NLAAEM. ISSN 1070-5325.
- Jia:1996:IQI**
- [Jia96] Zhongxiao Jia. On IOM( $q$ ): The incomplete orthogonalization method for large unsymmetric linear systems. *Numerical linear algebra with applications*, 3(6): 491–512, November/December 1996. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=15001005>.
- Jin:2005:CPS**
- [JLW05] Xiao-Qing Jin, Siu-Long Lei, and Yi-Min Wei. Circulant preconditioners for solving singular perturbation delay differential equations. *Numerical linear algebra with applications*, 12(2-3):327–336, March/April 2005.
- [JNL92]
- [JO94]
- [JO01]
- [Jou94]
- CODEN NLAAEM. ISSN 1070-5325.
- Anonymous:1992:JNL**
- Journal of numerical linear algebra with applications*, 1992. ISSN 0129-3281. World Scientific Publishing Co., Singapore; Philadelphia, PA, USA; River Edge, NJ, USA.
- Joubert:1994:ISI**
- Wayne Joubert and Thomas Oppe. Improved SSOR and incomplete Cholesky solution of linear equations on shared memory and distributed memory parallel computers. *Numerical linear algebra with applications*, 1(3):287–311, 1994. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic).
- Janovska:2001:NHT**
- Dáša Janovská and Gerhard Opfer. A note on hyperbolic transformations. *Numerical linear algebra with applications*, 8(2):127–146, March 2001. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=76506692&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract/76506692/START>.
- Joubert:1994:CBR**
- Wayne Joubert. On the convergence behavior of the restarted

- GMRES algorithm for solving nonsymmetric linear systems. *Numerical linear algebra with applications*, 1(5):427–447, 1994. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic).
- Jagels:1994:FMR**
- [JR94] Carl F. Jagels and Lothar Reichel. A fast minimal residual algorithm for shifted unitary matrices. *Numerical linear algebra with applications*, 1(6):555–570, 1994. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic).
- Jones:1996:TSM**
- [JS96] Mark T. Jones and Daniel B. Szyld. Two-stage multisplitting methods with overlapping blocks. *Numerical linear algebra with applications*, 3(2):113–124, March/April 1996. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=15000983>.
- Kaporin:1994:NCR**
- [Kap94] I. E. Kaporin. New convergence results and preconditioning strategies for the conjugate gradient method. *Numerical linear algebra with applications*, 1(2):179–210, 1994. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic).
- [Kap98] [Kap99] [Kap02]
- Igor E. Kaporin. High quality preconditioning of a general symmetric positive definite matrix based on its  $U^T U + U^T R + R^T U$ -decomposition. *Numerical linear algebra with applications*, 5(6):483–509, November/December 1998. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=62002968&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=62002968>.
- Kaporin:1999:PAF**
- Igor Kaporin. A practical algorithm for faster matrix multiplication. *Numerical linear algebra with applications*, 6(8):687–700, December 1999. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=69000703&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract/69000703/START>.
- Kaporin:2002:UMO**
- I. E. Kaporin. Using the modified 2nd order incomplete Cholesky decomposition as the conjugate gradient preconditioning. *Numerical linear algebra with applications*, 9(6–7):401–408, September/November 2002.

2002. CODEN NLAAEM. ISSN 1070-5325.
- Kaporin:2005:SCM**
- [Kap05] I. Kaporin. Superlinear convergence in minimum residual iterations. *Numerical linear algebra with applications*, 12(5–6):453–470, June/August 2005. CODEN NLAAEM. ISSN 1070-5325.
- Kaagstrom:1992:GSS**
- [KD92] Bo Kågström and Paul Van Dooren. A generalized state-space approach for the additive decomposition of a transfer matrix. *Journal of Numerical linear algebra with applications*, 1(2):165–181, 1992. CODEN NLAAEM. ISSN 0129-3281.
- Khoromskij:1996:FCI**
- [Kho96] Boris N. Khoromskij. On fast computations with the inverse to harmonic potential operators via domain decomposition. *Numerical linear algebra with applications*, 3(2):91–111, March/April 1996. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=15000986>.
- Kaporin:2002:PBO**
- [KK02] Igor E. Kaporin and Igor N. Konshin. A parallel block overlap preconditioning with inexact submatrix inversion for linear elasticity problems. *Numerical linear algebra with applications*, 9(2):141–162, March 2002. CODEN NLAAEM. ISSN 1070-5325. URL <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=62002995&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=62002995>. Czech-US Workshop in Iterative
2002. CODEN NLAAEM. ISSN 1070-5325. URL <http://www3.interscience.wiley.com/cgi-bin/abstract/89013913>.
- Kharchenko:2001:RAT**
- [KKNY01] S. A. Kharchenko, L. Yu. Kolotilina, A. A. Nikishin, and A. Yu. Yeremin. A robust AINV-type method for constructing sparse approximate inverse preconditioners in factored form. *Numerical linear algebra with applications*, 8(3):165–179, April/May 2001. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=76506670&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract/76506670>.
- Krizek:1999:PPG**
- [KLN99] Michal Křížek, Liping Liu, and Pekka Neittaanmäki. Post-processing of Gauss-Seidel iterations. *Numerical linear algebra with applications*, 6(2):147–156, March 1999. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=62002995&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=62002995>.

- Methods and Parallel Computing, Part 2 (Milovy, 1997).
- [KMX01] **Kutcherov:1992:AFM**
- [KM92] Andrew B. Kutcherov and Michail M. Makarov. An approximate factorization method for solving discrete elliptic problems on stretched domains. *Journal of Numerical linear algebra with applications*, 1(1):1–26, 1992. CODEN NLAAEM. ISSN 0129-3281.
- [Kolev:1999:TLP]
- [KM99] Tzanko V. Kolev and Svetozar D. Margenov. Two-level preconditioning of pure displacement non-conforming FEM systems. *Numerical linear algebra with applications*, 6(7): 533–555, October/November 1999. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=68502740&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract/68502740/START>.
- [Kwak:2003:DDM]
- [KNP03] D. Y. Kwak, S. V. Nepomnyaschikh, and H. C. Pyo. Domain decomposition for model heterogeneous anisotropic problem. *Numerical linear algebra with applications*, 10(1–2):129–157, January/March 2003. CODEN NLAAEM. ISSN 1070-5325.
- [KNY99] **Kirkland:2001:DCA**
- [KNY00] Stephen J. Kirkland, Michael Neumann, and Jianhong Xu. A divide and conquer approach to computing the mean first passage matrix for Markov chains via Perron complement reductions. *Numerical linear algebra with applications*, 8(5): 287–295, July/August 2001. CODEN NLAAEM. ISSN 1070-5325. URL <http://www3.interscience.wiley.com/cgi-bin/abstract/80502039/START>; <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=80502039&PLACEBO=IE.pdf>.
- [Kolotilina:1999:FSA]
- [KNY99] L. Yu. Kolotilina, A. A. Nikishin, and A. Yu. Yeremin. Factorized sparse approximate inverse preconditionings. IV: Simple approaches to rising efficiency. *Numerical linear algebra with applications*, 6(7): 515–531, October/November 1999. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=68502739&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract/68502739/START>.
- [Kolotilina:2000:IFA]
- [KNY00] L. Yu. Kolotilina, A. A. Nikishin, and A. Yu. Yeremin. An incomplete LU-factorization algorithm based on block bordering. *Numerical linear al-*

- gebra with applications*, 7(7–8):543–567, October/December 2000. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=73505471&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract/73505471/START>.
- Kolotilina:2005:BEB**
- [Kol05] L. Yu. Kolotilina. Bounds for the eigenvalues of block  $2 \times 2$  Hermitian positive-definite matrices. *Numerical linear algebra with applications*, 12(5–6):393–417, June/August 2005. CODEN NLAAEM. ISSN 1070-5325.
- Klawonn:2000:COS**
- [KP00] Axel Klawonn and Luca F. Pavarino. A comparison of overlapping Schwarz methods and block preconditioners for saddle point problems. *Numerical linear algebra with applications*, 7(1):1–25, January/February 2000. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=71001527&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract/71001527/START>.
- Kim:2006:MIC**
- [KPV06] T. Kim, J. E. Pasciak, and P. S. Vassilevski. Mesh-independent convergence of the modified in-
- exact Newton method for a second order non-linear problem. *Numerical linear algebra with applications*, 13(1):23–47, February 2006. CODEN NLAAEM. ISSN 1070-5325.
- Kostler:2006:AMS**
- H. Köstler and U. Rüde. An accurate multigrid solver for computing singular solutions of elliptic problems. *Numerical linear algebra with applications*, 13(2–3):231–249, March/April 2006. CODEN NLAAEM. ISSN 1070-5325.
- Kraus:2002:APM**
- J. K. Kraus. An algebraic preconditioning method for  $M$ -matrices: linear versus non-linear multilevel iteration. *Numerical linear algebra with applications*, 9(8):599–618, December 2002. CODEN NLAAEM. ISSN 1070-5325.
- Kraus:2006:AMP**
- J. K. Kraus. Algebraic multilevel preconditioning of finite element matrices using local Schur complements. *Numerical linear algebra with applications*, 13(1):49–70, February 2006. CODEN NLAAEM. ISSN 1070-5325.
- Klawonn:2004:PEL**
- Axel Klawonn and Gerhard Starke. A preconditioner for the equations of linear elasticity discretized by the PEERS element. *Numerical linear algebra*

- with applications*, 11(5–6):493–510, June/August 2004. CODEN NLAAEM. ISSN 1070-5325.
- Kublanovskaya:1992:ECA**
- [Kub92] V. N. Kublanovskaya. Rank division “algorithms and their applications”. *Journal of Numerical linear algebra with applications*, 1(2):199–213, 1992. CODEN NLAAEM. ISSN 0129-3281.
- Kuznetsov:1992:NPA**
- [Kuz92] Yu. A. Kuznetsov. A new parallel algebraic preconditioner. *Journal of Numerical linear algebra with applications*, 1(2):215–225, 1992. CODEN NLAAEM. ISSN 0129-3281.
- Krizkova:1996:TLP**
- [KV96] Jitka Krížková and Petr Vaněk. Two-level preconditioner with small coarse grid appropriate for unstructured meshes. *Numerical linear algebra with applications*, 3(4):255–274, July/August 1996. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=15000996>.
- Khoromskij:1999:RSC**
- [KW99] Boris N. Khoromskij and Gabriel Wittum. Robust Schur complement method for strongly anisotropic elliptic equations. *Numerical linear algebra with applications*, 6(8):621–653, December 1999. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=69000701&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract/69000701/START>.
- Kim:2003:MMB**
- HwanHo Kim, Jinchao Xu, and Ludmil Zikatanov. A multigrid method based on graph matching for convection-diffusion equations. *Numerical linear algebra with applications*, 10(1–2):181–195, January/March 2003. CODEN NLAAEM. ISSN 1070-5325.
- Kharchenko:1995:ETB**
- S. A. Kharchenko and A. Yu. Yeremin. Eigenvalue translation based preconditioners for the gmres( $k$ ) method. *Numerical linear algebra with applications*, 2(1):51–77, 1995. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic).
- Lai:1997:SCN**
- Chen-Yao G. Lai. Short communication: A note on optimal hybrid  $V$ -cycle multilevel algorithms for mixed finite element systems with penalty term. *Numerical linear algebra with applications*, 4(6):491–498, November/December 1997. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=15000996>.

- com/cgi-bin/fulltext?ID=15047&PLACEBO=IE.pdf; <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=15047>.
- Langer:1997:E**
- [Lan97] Ulrich Langer. Editorial. *Numerical linear algebra with applications*, 4(3):131, May/June 1997. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=15034&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=15034>.
- Layton:2005:MRC**
- [Lay05] W. Layton. Model reduction by constraints, discretization of flow problems and an induced pressure stabilization. *Numerical linear algebra with applications*, 12(5–6):547–562, June/August 2005. CODEN NLAAEM. ISSN 1070-5325.
- Lin:2005:ITP**
- [LC05] Fu-Rong Lin and Wai-Ki Ching. Inverse Toeplitz preconditioners for Hermitian Toeplitz systems. *Numerical linear algebra with applications*, 12(2–3):221–229, March/April 2005. CODEN NLAAEM. ISSN 1070-5325.
- Leblond:2002:SAM**
- [Leb02] Michel Leblond.  $H$ -self-adjoint matrices. Application to radiosity. *Numerical linear algebra with applications*, 9(2):181–193, March 2002.
- [LHM02] [Li00]
- CODEN NLAAEM. ISSN 1070-5325. URL <http://www3.interscience.wiley.com/cgi-bin/abstract/89013908&START; http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=89013908&PLACEBO=IE.pdf>.
- Lemmerling:2002:STL**
- P. Lemmerling, S. Van Huffel, and B. De Moor. The structured total least-squares approach for non-linearly structured matrices. *Numerical linear algebra with applications*, 9(4):321–332, June 2002. CODEN NLAAEM. ISSN 1070-5325. URL <http://www3.interscience.wiley.com/cgi-bin/abstract/92012856&START; http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=92012856&PLACEBO=IE.pdf>.
- Li:2000:CBC**
- Xiezhang Li. Comparison between the convergence rates of the Chebyshev method and the related (2, 2)-step methods. *Numerical linear algebra with applications*, 7(4):169–180, May 2000. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=72507876&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract/72507876>.
- Livne:2004:CCR**
- O. E. Livne. Coarsening by compatible relaxation. *Numer-*

- ical linear algebra with applications*, 11(2–3):205–227, March/April 2004. CODEN NLAAEM. ISSN 1070-5325.
- Livshits:2004:AMW**
- [Liv04b] Irene Livshits. An algebraic multigrid wave-ray algorithm to solve eigenvalue problems for the Helmholtz operator. *Numerical linear algebra with applications*, 11(2–3):229–239, March/April 2004. CODEN NLAAEM. ISSN 1070-5325.
- Lei:2004:BPS**
- [LJ04] Siu-Long Lei and Xiao-Qing Jin. BCCB preconditioners for systems of BVM-based numerical integrators. *Numerical linear algebra with applications*, 11(1):25–40, February 2004. CODEN NLAAEM. ISSN 1070-5325.
- Longley:1997:AGS**
- [LL97] James W. Longley and Roger D. Longley. Accuracy of Gram-Schmidt orthogonalization and Householder transformation for the solution of linear least squares problems. *Numerical linear algebra with applications*, 4(4):295–303, July/August 1997. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=15036&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=15036>.
- [LLL97] Yu-Ling Lai, Kun-Yi Lin, and Wen-Wei Lin. An inexact inverse iteration for large sparse eigenvalue problems. *Numerical linear algebra with applications*, 4(5):425–437, September/October 1997. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=15044&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=15044>.
- Lai:1997:III**
- Limon:2006:MAS**
- [LM06] Alfonso Limon and Hedley Morris. A multilevel adaptive solver based on second-generation wavelet thresholding techniques. *Numerical linear algebra with applications*, 13(2–3):251–273, March/April 2006. CODEN NLAAEM. ISSN 1070-5325.
- Lube:2000:NNO**
- [LMM00] G. Lube, L. Müller, and H. Müller. A new non-overlapping domain decomposition method for stabilized finite element methods applied to the non-stationary Navier-Stokes equations. *Numerical linear algebra with applications*, 7(6):449–472, September 2000. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=72516697&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=72516697>.

- PLACEBO=IE.pdf; <http://www3.interscience.wiley.com/cgi-bin/abstract/72516697/> [LR95] START.
- Luksan:2004:IPM**
- [LMV04] Ladislav Lukšan, Ctirad Matonoha, and Jan Vlček. Interior-point method for non-linear non-convex optimization. *Numerical linear algebra with applications*, 11(5–6):431–453, June/August 2004. CODEN NLAAEM. ISSN 1070-5325.
- Leem:2004:AMA**
- [LOS04] K. H. Leem, S. Oliveira, and D. E. Stewart. Algebraic multigrid (AMG) for saddle point systems from meshfree discretizations. *Numerical linear algebra with applications*, 11(2–3):293–308, March/April 2004. CODEN NLAAEM. ISSN 1070-5325.
- Lazarov:2001:ISC**
- [LPV01] Raytcho D. Lazarov, Joseph E. Pasciak, and Panayot S. Vassilevski. Iterative solution of a coupled mixed and standard Galerkin discretization method for elliptic problems. *Numerical linear algebra with applications*, 8(1):13–31, January/February 2001. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=76501453&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract/76501453/> START.
- [LS04]
- [LS05]
- [LSL01]
- Layton:1995:PRP**
- William J. Layton and Patrick J. Rabier. Peaceman-Rachford procedure and domain decomposition for finite element problems. *Numerical linear algebra with applications*, 2(4):363–393, 1995. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic).
- Langville:2004:KPA**
- Amy N. Langville and William J. Stewart. A Kronecker product approximate preconditioner for SANs. *Numerical linear algebra with applications*, 11(8–9):723–752, October/November 2004. CODEN NLAAEM. ISSN 1070-5325.
- Li:2005:PBE**
- Wen Li and Weiwei Sun. The perturbation bounds for eigenvalues of normal matrices. *Numerical linear algebra with applications*, 12(2–3):89–94, March/April 2005. CODEN NLAAEM. ISSN 1070-5325.
- Li:2001:PMI**
- Wen Li, W. Sun, and K. Liu. Parallel multisplitting iterative methods for singular  $M$ -matrices. *Numerical linear algebra with applications*, 8(3):181–190, April/May 2001. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=76506671&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract/76506671/>

- [www3.interscience.wiley.com/cgi-bin/abstract/76506671/START](http://www3.interscience.wiley.com/cgi-bin/abstract/76506671/START)
- Li:2003:PPV**
- [LSS03] Zhongze Li, Yousef Saad, and Masha Sosonkina. pARMS: a parallel version of the algebraic recursive multilevel solver. *Numerical linear algebra with applications*, 10(5–6):485–509, July/September 2003. CODEN NLAAEM. ISSN 1070-5325.
- Lu:2005:NIN**
- [Lu05] Lin-Zhang Lu. Newton iterations for a non-symmetric algebraic Riccati equation. *Numerical linear algebra with applications*, 12(2–3):191–200, March/April 2005. CODEN NLAAEM. ISSN 1070-5325.
- Luksan:1998:IPI**
- [LV98] Ladislav Lukšan and Jan Vlček. Indefinitely preconditioned inexact Newton method for large sparse equality constrained non-linear programming problems. *Numerical linear algebra with applications*, 5(3):219–247, May/June 1998. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=61002410&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=61002410>.
- Li:2004:EAS**
- [LV04] C. Li and C. Vuik. Eigenvalue analysis of the SIMPLE pre-
- [LVW01]
- conditioning for incompressible flow. *Numerical linear algebra with applications*, 11(5–6):511–523, June/August 2004. CODEN NLAAEM. ISSN 1070-5325.
- Lacroix:2001:DPI**
- Sébastien Lacroix, Yuri V. Vassilevski, and Mary F. Wheeler. Decoupling preconditioners in the implicit parallel accurate reservoir simulator (IPARS). *Numerical linear algebra with applications*, 8(8):537–549, December 2001. CODEN NLAAEM. ISSN 1070-5325. URL <http://www3.interscience.wiley.com/cgi-bin/abstract/88010596/START>; <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=88010596&PLACEBO=IE.pdf>.
- Leyk:1998:ELE**
- [LW98] Zbigniew Leyk and Henryk Woźniakowski. Estimating a largest eigenvector by Lanczos and polynomial algorithms with a random start. *Numerical linear algebra with applications*, 5(3):147–164, May/June 1998. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=61002412&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=61002412>.
- Loghin:2003:SCP**
- [LW03] D. Loghin and A. J. Wathen. Schur complement precondition-

- ing for elliptic systems of partial differential equations. *Numerical linear algebra with applications*, 10(5–6):423–443, July/September 2003. CODEN NLAAEM. ISSN 1070-5325.
- Lin:2004:PPA**
- [LW04] Wen-Wei Lin and Jenn-Nan Wang. Partial pole assignment for the vibrating system with aerodynamic effect. *Numerical linear algebra with applications*, 11(1):41–58, February 2004. CODEN NLAAEM. ISSN 1070-5325.
- Lin:2005:PPA**
- [LW05] Wen-Wei Lin and Jenn-Nan Wang. Partial pole assignment for the quadratic pencil by output feedback control with feedback designs. *Numerical linear algebra with applications*, 12(10):967–979, December 2005. CODEN NLAAEM. ISSN 1070-5325.
- Margenov:1994:UBC**
- [Mar94] S. D. Margenov. Upper bound of the constant in the strengthened C.B.S. inequality for FEM 2D elasticity equations. *Numerical linear algebra with applications*, 1(1):65–74, 1994. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic).
- Marek:1995:SRB**
- [Mar95] I. Marek. Some remarks on the barrier lemma and  $\mathcal{K}$ -monotonicity. *Numerical linear algebra with applications*, 2(5):431–445, 1995. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). Special issue dedicated to David M. Young, Jr.
- Margenov:1998:SCA**
- Svetozar D. Margenov. Semi-coarsening AMLI algorithms for elasticity problems. *Numerical linear algebra with applications*, 5(5):347–362, September/October 1998. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=62000044&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=62000044>. Special Issue: PRISM 97 (Nijmegen).
- Marek:2000:GEN**
- Ivo Marek. Guest Editorial: Numerical linear algebra methods for computational fluid flow problems. *Numerical linear algebra with applications*, 7(6):361, September 2000. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=72516696&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract/72516696/START>.
- Mathias:1996:AAO**
- Roy Mathias. Analysis of algorithms for orthogonaliz-
- [Mar98]
- [Mar00]
- [Mat96]

- ing products of unitary matrices. *Numerical linear algebra with applications*, 3(2):125–145, March/April 1996. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=15000385&I4>
- Mavriplis:2001:MAN**
- [Mav01] Dimitri J. Mavriplis. Multi-grid approaches to non-linear diffusion problems on unstructured meshes. *Numerical linear algebra with applications*, 8(8):499–512, December 2001. CODEN NLAAEM. ISSN 1070-5325. URL <http://www3.interscience.wiley.com/cgi-bin/abstract/88010578/I> START; <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=88010578&PLACEBO=IE.pdf>.
- Mayer:2005:ICI**
- [May05] Jan Mayer. ILUCP: a Crout ILU preconditioner with pivoting. *Numerical linear algebra with applications*, 12(9):941–955, November 2005. CODEN NLAAEM. ISSN 1070-5325.
- Meynen:1997:APA**
- [MBW97] S. Meynen, A. Boersma, and P. Wriggers. Application of a parallel algebraic multigrid method for the solution of elastoplastic shell problems. *Numerical linear algebra with applications*, 4(3):223–238, May/June 1997. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=15032&I4> PLACEBO=IE.pdf; <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=15032>.
- Murillo:2004:FIP**
- Maria Murillo and Xiao-Chuan Cai. A fully implicit parallel algorithm for simulating the non-linear electrical activity of the heart. *Numerical linear algebra with applications*, 11(2–3):261–277, March/April 2004. CODEN NLAAEM. ISSN 1070-5325.
- Mastronardi:2001:FST**
- Nicola Mastronardi, Shivkumar Chandrasekaran, and Sabine Van Huffel. Fast and stable two-way algorithm for diagonal plus semi-separable systems of linear equations. *Numerical linear algebra with applications*, 8(1):7–12, January/February 2001. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=76501454&I4> PLACEBO=IE.pdf; <http://www3.interscience.wiley.com/cgi-bin/abstract/76501454/> START.
- Mandel:2003:CBD**
- Jan Mandel and Clark R. Dohrmann. Convergence of a balancing domain decomposition by constraints and energy minimization. *Numerical linear algebra with applications*, 10(1):1–22, January/February 2003. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=15032&I4> PLACEBO=IE.pdf; <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=15032>.

- cations*, 10(7):639–659, October/November 2003. CODEN NLAAEM. ISSN 1070-5325.
- Meerbergen:2001:CPR**
- [Mee01] K. Meerbergen. Changing poles in the rational Lanczos method for the Hermitian eigenvalue problem. *Numerical linear algebra with applications*, 8(1):33–52, January/February 2001. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=76501452&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract/76501452/START>. [MHK04]
- Meyer:1994:CSI**
- [Mey94] Arnd Meyer. The concept of special inner products for deriving new conjugate gradient-like solvers for nonsymmetric sparse linear systems. *Numerical linear algebra with applications*, 1(2):129–139, 1994. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic).
- Montero:2002:AIC**
- [MGF<sup>+</sup>02] G. Montero, L. González, E. Flórez, M. D. García, and A. Suárez. Approximate inverse computation using Frobenius inner product. *Numerical linear algebra with applications*, 9(3):239–247, April/May 2002. CODEN NLAAEM. ISSN 1070-5325. URL <http://www3.interscience.wiley.com/cgi-bin/abstract/90512121/START>; <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=90512121&PLACEBO=IE.pdf>.
- Mastronardi:2005:NLA**
- Nicola Mastronardi and Sabine Van Huffel. Numerical linear algebra and its applications. *Numerical linear algebra with applications*, 12(8):683, October 2005. CODEN NLAAEM. ISSN 1070-5325.
- Markovsky:2004:CMS**
- Ivan Markovsky, Sabine Van Huffel, and Alexander Kukush. On the computation of the multivariate structured total least squares estimator. *Numerical linear algebra with applications*, 11(5–6):591–608, June/August 2004. CODEN NLAAEM. ISSN 1070-5325.
- Ma:1994:NCI**
- Fu Ming Ma and Tassilo Küpper. Numerical calculation of invariant manifolds for maps. *Numerical linear algebra with applications*, 1(2):141–150, 1994. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic).
- Mastronardi:2005:FRS**
- N. Mastronardi, P. Lemmerling, and S. Van Huffel. Fast regularized structured total least squares algorithm for solving the basic deconvolution problem. *Numerical linear algebra with applications*, 12(2–3):201–

- 209, March/April 2005. CODEN NLAAEM. ISSN 1070-5325.
- Margenov:1995:OAM**
- [MM95] S. Margenov and J. Maubach. Optimal algebraic multilevel preconditioning for local refinement along a line. *Numerical linear algebra with applications*, 2(4):347–361, 1995. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic).
- Meyer:1997:MAS**
- [MM97] Arnd Meyer and Detlef Michael. A modern approach to the solution of problems of classic elastoplasticity on parallel computers. *Numerical linear algebra with applications*, 4(3):205–221, May/June 1997. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=15030&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=15030>.
- Marek:1998:CAI**
- [MM98] Ivo Marek and Petr Mayer. Convergence analysis of an iterative aggregation/disaggregation method for computing stationary probability vectors of stochastic matrices. *Numerical linear algebra with applications*, 5(4):253–274, July/August 1998. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=10005753&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=10005753>.
- Mihajlovi:2002:CDP**
- [MM02] M. D. Mihajlovi and S. Mijalkovi. A component decomposition preconditioning for 3D stress analysis problems. *Numerical linear algebra with applications*, 9(6–7):567–583, September/November 2002. CODEN NLAAEM. ISSN 1070-5325.
- mongaMade:2004:PPI**
- [mM04] M. Magolu monga Made. Performance of parallel incomplete LDL t factorizations for solving acoustic wave propagation problems from industry. *Numerical linear algebra with applications*, 11(8–9):813–830, October/November 2004. CODEN NLAAEM. ISSN 1070-5325.
- mongaMade:1999:EPL**
- Magolu monga Made and Ben Polman. Efficient planewise-like preconditioners for solving 3D problems. *Numerical linear algebra with applications*, 6(5):379–406, July/August 1999. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=65500101&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract/65500101/START>.

- |  |  |
|--|--|
| <div style="border: 1px solid black; padding: 5px; text-align: center;"><b>Made:2002:SAP</b></div> <p>[mMvdV02] M. Magolu monga Made and Henk A. van der Vorst. Spectral analysis of parallel incomplete factorizations with implicit pseudo-overlap. <i>Numerical linear algebra with applications</i>, 9(1):45–64, January/February 2002. CODEN NLAAEM. ISSN 1070-5325. URL <a href="http://www3.interscience.wiley.com/cgi-bin/abstract/88013649#START; http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=88013649&amp;PLACEBO=IE.pdf">http://www3.interscience.wiley.com/cgi-bin/abstract/88013649#START; http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=88013649&amp;PLACEBO=IE.pdf</a>.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;"><b>Moriya:2000:DGM</b></div> <p>[MN00] Kentaro Moriya and Takashi Nodera. The DEFLATED-GMRES(<math>m, k</math>) method with switching the restart frequency dynamically. <i>Numerical linear algebra with applications</i>, 7(7–8):569–584, October/December 2000. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <a href="http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=73505474&amp;PLACEBO=IE.pdf; http://www3.interscience.wiley.com/cgi-bin/abstract/73505474#START">http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=73505474&amp;PLACEBO=IE.pdf; http://www3.interscience.wiley.com/cgi-bin/abstract/73505474#START</a>.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;"><b>Moret:2005:IFM</b></div> <p>[MN05] I. Moret and P. Novati. Interpolating functions of matrices on zeros of quasi-kernel polynomials. <i>Numerical linear algebra with applications</i>, 12(4):337–353, May 2005. CODEN NLAAEM. ISSN 1070-5325.</p> | <div style="border: 1px solid black; padding: 5px; text-align: center;"><b>MO94</b></div> <p>[MO94] Thomas A. Manteuffel and James S. Otto. On the roots of the orthogonal polynomials and residual polynomials associated with a conjugate gradient method. <i>Numerical linear algebra with applications</i>, 1(5):449–475, 1994. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;"><b>Migallon:1996:BTS</b></div> <p>[MPS96] Violeta Migallón, José Peñadés, and Daniel B. Szyld. Block two-stage methods for singular systems and Markov chains. <i>Numerical linear algebra with applications</i>, 3(5):413–426, September/October 1996. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <a href="http://www3.interscience.wiley.com/cgi-bin/abstract?ID=15001000">http://www3.interscience.wiley.com/cgi-bin/abstract?ID=15001000</a>.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;"><b>Maryska:1996:PFF</b></div> <p>[MRT96] Jiří Maryška, Miroslav Rožložník, and Miroslav Tůma. The potential fluid flow problem and the convergence rate of the minimal residual method. <i>Numerical linear algebra with applications</i>, 3(6):525–542, November/December 1996. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <a href="http://www3.interscience.wiley.com/cgi-bin/abstract?ID=15001007">http://www3.interscience.wiley.com/cgi-bin/abstract?ID=15001007</a>.</p> |
|--|--|

- Mendoza:1998:CND**
- [MRT98] María Mendoza, Marcos Raydan, and Pablo Tarazaga. Computing the nearest diagonally dominant matrix. *Numerical linear algebra with applications*, 5(6):461–474, November/December 1998. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=5961&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=5961>.
- Martikainen:2002:FDS**
- [MRT02] Janne Martikainen, Tuomo Rossi, and Jari Toivanen. A fast direct solver for elliptic problems with a divergence constraint. *Numerical linear algebra with applications*, 9(8):629–652, December 2002. CODEN NLAAEM. ISSN 1070-5325.
- Mehl:2006:Cos**
- [MWZ06] M. Mehl, T. Weinzierl, and Chr. Zenger. A cache-oblivious self-adaptive full multigrid method. *Numerical linear algebra with applications*, 13(2–3):275–291, March/April 2006. CODEN NLAAEM. ISSN 1070-5325.
- Morgan:1998:Hpm**
- [MZ98] Ronald B. Morgan and Min Zeng. Harmonic projection methods for large non-symmetric eigenvalue problems. *Numerical linear algebra with applications*, 5(1):33–55, January/February 1998. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=15042&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=15042>.
- Notay:1997:Nop**
- [NA97] Yvan Notay and Zakaria Ould Amar. A nearly optimal preconditioning based on recursive red-black orderings. *Numerical linear algebra with applications*, 4(5):369–391, September/October 1997. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=62002966&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=62002966>.
- Nabben:1997:BRM**
- [Nab97] Reinhard Nabben. Book review: Matrices of Sign-Solvable Linear Systems by R. A. Brualdi and B. L. Shader. Cambridge University Press, 1995, Cambridge, ISBN: 0-521-48296-8 (hardback). Price UK £30.00 (US\$49.95). *Numerical linear algebra with applications*, 4(5):439–440, September/October 1997. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=15045&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=15045>.

- [interscience.wiley.com/cgi-bin/abstract?ID=15045.](http://www3.interscience.wiley.com/cgi-bin/abstract?ID=15045)
- [Ney02]
- Nazareth:1995:TRB**
- [Naz95] J. L. Nazareth. Trust regions based on conic functions in linear and nonlinear programming. *Numerical linear algebra with applications*, 2(3):235–241, 1995. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic).
- Nedoma:1999:NMC**
- [NBKS99] J. Nedoma, M. Bartoš, Z. Kestřánek Jr., and J. Stehlík. Numerical methods for constrained optimization in 2D and 3D biomechanics. *Numerical linear algebra with applications*, 6(7):557–586, October/November 1999. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=68502741&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract/68502741/START>.
- Noutsos:2005:PPI**
- [NCV05] D. Noutsos, S. Serra Capizzano, and P. Vassalos. A preconditioning proposal for ill-conditioned Hermitian two-level Toeplitz systems. *Numerical linear algebra with applications*, 12(2–3):231–239, March/April 2005. CODEN NLAAEM. ISSN 1070-5325.
- [NH98]
- Noordmans:1998:CRS**
- J. Noordmans and P. W. Hemker. Convergence results for 3D sparse grid approaches. *Numerical linear algebra with applications*, 5(5):363–376, September/October 1998. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=62000045&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=62000045>. Special Issue: PRISM 97 (Nijmegen).
- Anonymous:1994:NLA**
- Numerical linear algebra with applications*, 1994. ISSN 1070-
- Neymeyr:2002:PEE**
- Klaus Neymeyr. *A posteriori* error estimation for elliptic eigenproblems. *Numerical linear algebra with applications*, 9(4):263–279, June 2002. CODEN NLAAEM. ISSN 1070-5325. URL <http://www3.interscience.wiley.com/cgi-bin/abstract/92012854/START>; <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=92012854&PLACEBO=IE.pdf>.
- Neymeyr:2005:NII**
- Klaus Neymeyr. A note on Inverse Iteration. *Numerical linear algebra with applications*, 12(1):1–8, February 2005. CODEN NLAAEM. ISSN 1070-5325.

- 5325 (print), 1099-1506 (electronic). John Wiley and Sons, New York, NY, USA; London, UK; Sydney, Australia. [Not02a]
- Nakajima:2004:PIS**
- [NO04] Kengo Nakajima and Hiroshi Okuda. Parallel iterative solvers with selective blocking preconditioning for simulations of fault-zone contact. *Numerical linear algebra with applications*, 11(8–9):831–852, October/November 2004. CODEN NLAAEM. ISSN 1070-5325.
- Notay:1994:DDV**
- [Not94] Yvan Notay. DRIC: a dynamic version of the RIC method. *Numerical linear algebra with applications*, 1(6):511–532, 1994. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic).
- Notay:1998:OCA**
- [Not98] Yvan Notay. Optimal  $V$ -cycle algebraic multilevel preconditioning. *Numerical linear algebra with applications*, 5(5):441–459, September/October 1998. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=62000048&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=62000048>. Special Issue: PRISM 97 (Nijmegen).
- [Not02b]
- Notay:2002:CJD**
- Y. Notay. Combination of Jacobi-Davidson and conjugate gradients for the partial symmetric eigenproblem. *Numerical linear algebra with applications*, 9(1):21–44, January/February 2002. CODEN NLAAEM. ISSN 1070-5325. URL <http://www3.interscience.wiley.com/cgi-bin/abstract/88013650>; START; <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=88013650&PLACEBO=IE.pdf>.
- Notay:2002:RPF**
- Y. Notay. Robust parameter-free algebraic multilevel preconditioning. *Numerical linear algebra with applications*, 9(6–7):409–428, September/November 2002. CODEN NLAAEM. ISSN 1070-5325.
- Notarnicola:2005:MRE**
- Filippo Notarnicola. Matrix recursive expressions of the DFT of even and odd complex sequences. *Numerical linear algebra with applications*, 12(8):793–808, October 2005. CODEN NLAAEM. ISSN 1070-5325.
- Notay:2005:AMA**
- Y. Notay. Algebraic multigrid and algebraic multilevel methods: a theoretical comparison. *Numerical linear algebra with applications*, 12(5–6):419–451, June/August 2005. CODEN NLAAEM. ISSN 1070-5325.

- Novati:2003:SLI**
- [Nov03] P. Novati. Solving linear initial value problems by Faber polynomials. *Numerical linear algebra with applications*, 10(3):247–270, April/May 2003. CODEN NLAAEM. ISSN 1070-5325.
- Nazareth:1996:GNM**
- [NQ96] J. L. Nazareth and Liqun Qi. Globalization of Newton's method for solving nonlinear equations. *Numerical linear algebra with applications*, 3(3):239–249, May/June 1996. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=15000989>.
- Ng:2005:NBM**
- [NSCTP05] Michael K. Ng, Stefano Serra-Capizzano, and Cristina Tablino-Possio. Numerical behaviour of multigrid methods for symmetric Sinc-Galerkin systems. *Numerical linear algebra with applications*, 12(2–3):261–269, March/April 2005. CODEN NLAAEM. ISSN 1070-5325.
- Ng:2003:E**
- [NT03] Esmond Ng and Wei-Pai Tang. Editorial. *Numerical linear algebra with applications*, 10(5–6):383, July/September 2003. CODEN NLAAEM. ISSN 1070-5325.
- Ng:2004:PEC**
- [NT04] Esmond Ng and Wei-Pai Tang. Preface 2 Editorial comments.
- Numerical linear algebra with applications**, 11(8–9):693, October/November 2004. CODEN NLAAEM. ISSN 1070-5325.
- Neumann:2003:SCS**
- Michael Neumann and Jianhong Xu. On the stability of the computation of the stationary probabilities of Markov chains using Perron complements. *Numerical linear algebra with applications*, 10(7):603–618, October/November 2003. CODEN NLAAEM. ISSN 1070-5325.
- Nikishin:2003:PTA**
- A. A. Nikishin and A. Yu. Yeremin. Prefiltration technique via aggregation for constructing low-density high-quality factorized sparse approximate inverse preconditionings. *Numerical linear algebra with applications*, 10(3):235–246, April/May 2003. CODEN NLAAEM. ISSN 1070-5325.
- Ovtchinnikov:2004:OLN**
- Serguei Ovtchinnikov and Xiao-Chuan Cai. One-level Newton-Krylov–Schwarz algorithm for unsteady non-linear radiation diffusion problem. *Numerical linear algebra with applications*, 11(10):867–881, December 2004. CODEN NLAAEM. ISSN 1070-5325.
- Olshanskii:1999:ISO**
- Maxim A. Olshanskii. An iterative solver for the Oseen problem and numerical solution of incompressible Navier-
- [NX03]
- [NY03]
- [OC04]
- [Ols99]

- Stokes equations. *Numerical linear algebra with applications*, 6(5):353–378, July/August 1999. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=65500100&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract/65500100/START>.
- Olshevsky:2001:SFH**
- [OS01] Vadim Olshevsky and Michael Stewart. Stable factorization for Hankel and Hankel-like matrices. *Numerical linear algebra with applications*, 8(6–7):401–434, September/November 2001. CODEN NLAAEM. ISSN 1070-5325. URL <http://www3.interscience.wiley.com/cgi-bin/abstract/85007283/START>; <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=85007283&PLACEBO=IE.pdf>.
- Oswald:1995:MPD**
- [Osw95] Peter Oswald. Multilevel preconditioners for discretizations of the biharmonic equation by rectangular finite elements. *Numerical linear algebra with applications*, 2(6):487–505, 1995. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic).
- Padiy:1999:PMS**
- [Pad99] Alexander Padiy. On a parallel multilevel solver for linear elasticity problems. *Numerical linear algebra with applications*, 6(3):171–188, April/May 1999. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=63003628&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=63003628>.
- Parlett:1992:RMS**
- [Par92] Beresford N. Parlett. The rewards for maintaining semi-orthogonality among Lanczos vectors. *Journal of Numerical linear algebra with applications*, 1(2):243–267, 1992. CODEN NLAAEM. ISSN 0129-3281.
- Parlett:2003:SDF**
- [Par03] Beresford N. Parlett. The spectral diameter as a function of the diagonal entries. *Numerical linear algebra with applications*, 10(7):595–602, October/November 2003. CODEN NLAAEM. ISSN 1070-5325.
- Pan:2005:TSW**
- [PBN05] Jian-Yu Pan, Zhong-Zhi Bai, and Michael K. Ng. Two-step waveform relaxation methods for implicit linear initial value problems. *Numerical linear algebra with applications*, 12(2–3):293–304, March/April 2005. CODEN NLAAEM. ISSN 1070-5325.
- Pena:2003:SBS**
- [Peñ03] J. M. Peña. Simultaneous backward stability of Gauss and

- Gauss-Jordan elimination. *Numerical linear algebra with applications*, 10(4):317–321, June 2003. CODEN NLAAEM. ISSN 1070-5325.
- Perrone:2006:KPA**
- [Per06] Lisa Perrone. Kronecker product approximations for image restoration with anti-reflective boundary conditions. *Numerical linear algebra with applications*, 13(1):1–22, February 2006. CODEN NLAAEM. ISSN 1070-5325.
- Pflaum:1999:AAM**
- [Pfl99] Christoph Pflaum. Algebraic analysis of multigrid algorithms. *Numerical linear algebra with applications*, 6(8):701–728, December 1999. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=69000704&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract/69000704/START>.
- Papy:2005:EDF**
- [PLH05] J. M. Papy, L. De Lathauwer, and S. Van Huffel. Exponential data fitting using multilinear algebra: the single-channel and multi-channel case. *Numerical linear algebra with applications*, 12(8):809–826, October 2005. CODEN NLAAEM. ISSN 1070-5325.
- [PM97] [Payer:1997:ISS]
- H.-J. Payer and H. A. Mang. Iterative strategies for solving systems of linear, algebraic equations arising in 3D BE-FE analyses of tunnel drivings. *Numerical linear algebra with applications*, 4(3):239–268, May/June 1997. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=15028>.
- Poirier:2000:EPS**
- [Poi00] Bill Poirier. Efficient preconditioning scheme for block partitioned matrices with structured sparsity. *Numerical linear algebra with applications*, 7(7–8):715–726, October/December 2000. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=73505484&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract/73505484/START>.
- Paige:1995:ASE**
- [PPv95] Chris C. Paige, Beresford N. Parlett, and Henk A. van der Vorst. Approximate solutions and eigenvalue bounds from Krylov subspaces. *Numerical linear algebra with applications*, 2(2):115–133, 1995. CODEN

- NLAEM. ISSN 1070-5325 (print), 1099-1506 (electronic).
- Pester:1995:PVP**
- [PR95] Matthias Pester and Sergej Rjasanow. A parallel version of the preconditioned conjugate gradient method for boundary element equations. *Numerical linear algebra with applications*, 2(1):1–16, 1995. CODEN NLAEM. ISSN 1070-5325 (print), 1099-1506 (electronic).
- Pester:1996:PPI**
- [PR96] Matthias Pester and Sergej Rjasanow. A parallel preconditioned iterative realization of the panel method in 3D. *Numerical linear algebra with applications*, 3(1):65–80, January/February 1996. CODEN NLAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=15000498>.
- Pantazis:1995:RCR**
- [PS95] Ricardo D. Pantazis and Daniel B. Szyld. Regions of convergence of the Rayleigh quotient iteration method. *Numerical linear algebra with applications*, 2(3):251–269, 1995. CODEN NLAEM. ISSN 1070-5325 (print), 1099-1506 (electronic).
- Perugia:2000:BDI**
- [PS00] I. Perugia and V. Simoncini. Block-diagonal and indefinite symmetric preconditioners for mixed finite element formulations. *Numerical linear algebra with applications*, 7(7–8):585–616, October/December 2000. CODEN NLAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=73505478&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract/73505478/START>.
- Paige:1999:SAL**
- [PV99] Christopher C. Paige and Paul Van Dooren. Sensitivity analysis of the Lanczos reduction. *Numerical linear algebra with applications*, 6(1):29–50, January/February 1999. CODEN NLAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=62002985&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=62002985>. Czech-US Workshop in Iterative Methods and Parallel Computing, Part I (Milovy, 1997).
- Pencheva:2003:BDD**
- [PY03] Gergina Pencheva and Ivan Yotov. Balancing domain decomposition for mortar mixed finite element methods. *Numerical linear algebra with applications*, 10(1–2):159–180, January/March 2003. CODEN NLAEM. ISSN 1070-5325.

- Rakowsky:1999:SCM**
- [Rak99] Natalja Rakowsky. The Schur complement method as a fast parallel solver for elliptic partial differential equations in oceanography. *Numerical linear algebra with applications*, 6(6):497–510, September 1999. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=67501477&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract/67501477/START>.
- Renaut:1998:PMS**
- [Ren98] R. A. Renaut. A parallel multisplitting solution of the least squares problem. *Numerical linear algebra with applications*, 5(1):11–31, January/February 1998. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=5960&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=5960>.
- Reusken:1996:MMB**
- [Reu96] Arnold Reusken. A multigrid method based on incomplete Gaussian elimination. *Numerical linear algebra with applications*, 3(5):369–390, September/October 1996. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=15000998>.
- Rjasanow:1998:SBE**
- [Rja98] Sergej Rjasanow. The structure of the boundary element matrix for the three-dimensional Dirichlet problem in elasticity. *Numerical linear algebra with applications*, 5(3):203–217, May/June 1998. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=61002409&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=61002409>.
- Rohn:1992:AFS**
- [Roh92] Jiří Rohn. An algorithm for finding a singular matrix in an interval matrix. *Journal of Numerical linear algebra with applications*, 1(1):43–47, 1992. CODEN NLAAEM. ISSN 0129-3281.
- Reid:2001:RRO**
- [RS01] J. K. Reid and J. A. Scott. Reversing the row order for the row-by-row frontal method. *Numerical linear algebra with applications*, 8(1):1–6, January/February 2001. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=76501451&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=76501451>.

- cgi-bin/abstract/76501451/START.
- Reitzinger:2002:AMM**
- [RS02] S. Reitzinger and J. Schöberl. An algebraic multigrid method for finite element discretizations with edge elements. *Numerical linear algebra with applications*, 9(3):223–238, April/May 2002. CODEN NLAAEM. ISSN 1070-5325. URL <http://www3.interscience.wiley.com/cgi-bin/abstract/90512119/START; http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=90512119&PLACEBO=IE.pdf>.
- Rossi:1999:PFD**
- [RT99] Tuomo Rossi and Jari Toivanen. Parallel fictitious domain method for a non-linear elliptic Neumann boundary value problem. *Numerical linear algebra with applications*, 6(1):51–60, January/February 1999. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=62002986&PLACEBO=IE.pdf; http://www3.interscience.wiley.com/cgi-bin/abstract?ID=62002986>. Czech-US Workshop in Iterative Methods and Parallel Computing, Part I (Milovy, 1997).
- Raydan:2002:PPA**
- [RT02] Marcos Raydan and Pablo Tarazaga. Primal and polar approach for computing the symmetric diagonally dominant projection. *Numerical linear algebra with applications*, 9(5):333–345, July/August 2002. CODEN NLAAEM. ISSN 1070-5325.
- Raghavan:2003:LTH**
- [RTW03] Padma Raghavan, Keita Teranishi, and Esmond G. Ng. A latency tolerant hybrid sparse solver using incomplete Cholesky factorization. *Numerical linear algebra with applications*, 10(5–6):541–560, July/September 2003. CODEN NLAAEM. ISSN 1070-5325.
- Rusten:1998:DEP**
- [RVW98] Torgeir Rusten, Panayot S. Vassilevski, and Ragnar Winther. Domain embedding preconditioners for mixed systems. *Numerical linear algebra with applications*, 5(5):321–345, September/October 1998. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=62000043&PLACEBO=IE.pdf; http://www3.interscience.wiley.com/cgi-bin/abstract?ID=62000043>. Special Issue: PRISM 97 (Nijmegen).
- Saad:1994:IDT**
- [Saa94] Yousef Saad. ILUT: a dual threshold incomplete LU factorization. *Numerical linear algebra with applications*, 1(4):387–402, 1994. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic).

- Saad:2000:E**
- [Saa00a] Yousef Saad. Editorial. *Numerical linear algebra with applications*, 7(7–8):489–490, October/December 2000. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=73505473&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract/73505473/START>.
- Saad:2000:FAM**
- [Saa00b] Yousef Saad. Further analysis of minimum residual iterations. *Numerical linear algebra with applications*, 7(2):67–93, March 2000. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=71008526&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract/71008526/START>. [SCD94]
- Sacksteder:2005:ADS**
- [Sac05] V. E. Sacksteder.  $O(N)$  algorithms for disordered systems. *Numerical linear algebra with applications*, 12(8):827–838, October 2005. CODEN NLAAEM. ISSN 1070-5325.
- Sauter:1995:SIC**
- [Sau95] Stefan A. Sauter. On the stability of the incomplete Cholesky decomposition for a singular perturbed problem, where the coefficient matrix is not an  $M$ -matrix. *Numerical linear algebra with applications*, 2(1):17–28, 1995. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic).
- Solak:2003:NBN**
- Süleyman Solak and Durmu Bozkurt. A note on bound for norms of Cauchy-Hankel matrices. *Numerical linear algebra with applications*, 10(4):377–382, June 2003. CODEN NLAAEM. ISSN 1070-5325.
- Spedicato:1994:CDA**
- E. Spedicato, Z. Chen, and N. Deng. A class of difference ABS-type algorithms for a nonlinear system of equations. *Numerical linear algebra with applications*, 1(3):313–329, 1994. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic).
- Schrader:1999:CAJ**
- Uwe Schrader. Convergence of asynchronous Jacobi-Newton-iterations. *Numerical linear algebra with applications*, 6(2):157–165, March 1999. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=62002996&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=62002996>. Czech-US Workshop in Iterative Methods and Parallel Computing, Part 2 (Milovy, 1997).

- Scott:1999:NRO**
- [Sco99] Jennifer A. Scott. A new row ordering strategy for frontal solvers. *Numerical linear algebra with applications*, 6(3):189–211, April/May 1999. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL [http://www3.interscience.wiley.com/cgi-bin/abstract?ID=63003629](http://www3.interscience.wiley.com/cgi-bin/abstract?ID=63003629&PLACEBO=IE.pdf).
- Shapira:1998:AMD**
- [Sha98] Yair Shapira. Analysis of matrix-dependent multigrid algorithms. *Numerical linear algebra with applications*, 5(3):165–202 (or 165–201??), May/June 1998. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL [http://www3.interscience.wiley.com/cgi-bin/abstract?ID=61002411](http://www3.interscience.wiley.com/cgi-bin/abstract?ID=61002411&PLACEBO=IE.pdf).
- Shapira:1999:MCA**
- [Sha99] Yair Shapira. Model case analysis of an algebraic multilevel method. *Numerical linear algebra with applications*, 6(8):655–685, December 1999. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=69000702&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=69000702>.
- Shi:2002:CPR**
- [Shi02] Yixun Shi. A combination of potential reduction steps and steepest descent steps for solving convex programming problems. *Numerical linear algebra with applications*, 9(3):195–203, April/May 2002. CODEN NLAAEM. ISSN 1070-5325. URL <http://www3.interscience.wiley.com/cgi-bin/abstract/90512113/> START; <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=90512113&PLACEBO=IE.pdf>.
- Shi:2004:PSD**
- [Shi04] Yixun Shi. A projected-steepest-descent potential-reduction algorithm for convex programming problems. *Numerical linear algebra with applications*, 11(10):883–893, December 2004. CODEN NLAAEM. ISSN 1070-5325.
- Sidje:1997:APK**
- [Sid97] Roger B. Sidje. Alternatives for parallel Krylov subspace basis computation. *Numerical linear algebra with applications*, 4(4):305–331, July/August 1997. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=15037&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=15037>.

- |  |  |
|--|--|
| <div style="border: 1px solid black; padding: 5px; text-align: center;"><b>Simoncini:1999:NVR</b></div> <p>[Sim99] V. Simoncini. A new variant of restarted GMRES. <i>Numerical linear algebra with applications</i>, 6(1):61–77, January/February 1999. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <a href="http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=62002987&amp;PLACEBO=IE.pdf">http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=62002987&amp;PLACEBO=IE.pdf</a>; <a href="http://www3.interscience.wiley.com/cgi-bin/abstract?ID=62002987">http://www3.interscience.wiley.com/cgi-bin/abstract?ID=62002987</a>.</p> <p>Czech-US Workshop in Iterative Methods and Parallel Computing, Part I (Milovy, 1997).</p> <div style="border: 1px solid black; padding: 5px; text-align: center;"><b>Simoncini:2003:AFS</b></div> <p>[Sim03] V. Simoncini. Algebraic formulations for the solution of the nullspace-free eigenvalue problem using the inexact Shift-and-Invert Lanczos method. <i>Numerical linear algebra with applications</i>, 10(4):357–375, June 2003. CODEN NLAAEM. ISSN 1070-5325.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;"><b>Sayed:2001:SSF</b></div> <p>[SK01] A. H. Sayed and T. Kailath. A survey of spectral factorization methods. <i>Numerical linear algebra with applications</i>, 8(6–7):467–496, September/November 2001. CODEN NLAAEM. ISSN 1070-5325. URL <a href="http://www3.interscience.wiley.com/cgi-bin/abstract/85007288&amp;ID=85007288&amp;PLACEBO=IE.pdf">http://www3.interscience.wiley.com/cgi-bin/abstract/85007288&amp;ID=85007288&amp;PLACEBO=IE.pdf</a>.</p> | <div style="border: 1px solid black; padding: 5px; text-align: center;"><b>SLH04</b></div> <p>[SMSW00] [SLH04]</p> <div style="border: 1px solid black; padding: 5px; text-align: center;"><b>Schuermans:2004:SWL</b></div> <p>M. Schuermans, P. Lemmerling, and S. Van Huffel. Structured weighted low rank approximation. <i>Numerical linear algebra with applications</i>, 11(5–6):609–618, June/August 2004. CODEN NLAAEM. ISSN 1070-5325.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;"><b>Sosonkina:2000:PSL</b></div> <p>Maria Sosonkina, John T. Melson, Yousef Saad, and Layne T. Watson. Preconditioning strategies for linear systems arising in tire design. <i>Numerical linear algebra with applications</i>, 7(7–8):743–757, October/December 2000. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <a href="http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=73505476&amp;PLACEBO=IE.pdf">http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=73505476&amp;PLACEBO=IE.pdf</a>; <a href="http://www3.interscience.wiley.com/cgi-bin/abstract/73505476">http://www3.interscience.wiley.com/cgi-bin/abstract/73505476</a>/START.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;"><b>Salapaka:2005:ACB</b></div> <p>S. Salapaka, A. Peirce, and M. Dahleh. Analysis of a circulant based preconditioner for a class of lower rank extracted systems. <i>Numerical linear algebra with applications</i>, 12(1):9–32, February 2005. CODEN NLAAEM. ISSN 1070-5325.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;"><b>Simoncini:1997:AAS</b></div> <p>V. Simoncini and E. Sjöström. An algorithm for approximating the singular triplets of complex symmetric matri-</p> |
|--|--|

- [SS02] Y. Saad and B. Suchomel. ARMS: an algebraic recursive multilevel solver for general sparse linear systems. *Numerical linear algebra with applications*, 9(5):359–378, July/August 2002. CODEN NLAAEM. ISSN 1070-5325.
- [SSB04] G. Stoyan, G. Strauber, and Á. Baran. Generalizations to discrete and analytical Crouzeix-Velte decompositions. *Numerical linear algebra with applications*, 11(5–6):565–590, June/August 2004. CODEN NLAAEM. ISSN 1070-5325.
- [Sta96] Gerhard Starke. Multilevel minimal residual methods for nonsymmetric elliptic problems. *Numerical linear algebra with applications*, 3(5):351–367, September/October 1996. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=15001002>.
- [Ste95] G. W. Stewart. On the solution of block Hessenberg systems. *Numerical linear algebra with applications*, 2(3):287–296, 1995. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic).
- [Ste99] Jovan Stefanovski. Generating equations approach for quadratic matrix equations. *Numerical linear algebra with applications*, 6(4):295–326, June 1999. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=65500097&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract/65500097/START>.
- [Sto92] Josef Stoer. A dual algorithm for solving degenerate linearly constrained linear least squares problems. *Journal of Numerical linear algebra with applications*, 1(2):103–131, 1992. CODEN NLAAEM. ISSN 0129-3281.
- [Sun05] Ji-Guang Sun. A note on backward errors for structured linear systems. *Numerical linear algebra with applications*, 12(7):585–603, September 2005. CODEN NLAAEM. ISSN 1070-5325.

- Saad:1996:DDQ**
- [SW96] Yousef Saad and Kesheng Wu. DQGMRES: a direct quasi-minimal residual algorithm based on incomplete orthogonalization. *Numerical linear algebra with applications*, 3(4):329–343, July/August 1996. [Szy94] CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=15000994>.
- Sosonkina:1998:NAG**
- [SWKW98] Maria Sosonkina, Layne T. Watson, Rakesh K. Kapania, and Homer F. Walker. A new adaptive GMRES algorithm for achieving high accuracy. *Numerical linear algebra with applications*, 5(4):275–297, July/August 1998. [The98] CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=10005754&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=10005754>.
- Saad:1999:DTT**
- [SZ99] Yousef Saad and Jun Zhang. Diagonal threshold techniques in robust multi-level ILU preconditioners for general sparse linear systems. *Numerical linear algebra with applications*, 6(4):257–280, June 1999. [Tre05] CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=65500095&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=65500095>.
- Szyld:1994:ECC**
- Daniel B. Szyld. Equivalence of conditions for convergence of iterative methods for singular equations. *Numerical linear algebra with applications*, 1(2):151–154, 1994. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic).
- Thess:1998:PMP**
- Michael Thess. Parallel multilevel preconditioners for thin smooth shell finite element analysis. *Numerical linear algebra with applications*, 5(5):401–440, September/October 1998. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=62000047&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=62000047>. Special Issue: PRISM 97 (Nijmegen).
- Trench:2005:ARB**
- W. F. Trench. Asymptotic relationships between singular values of structured matrices similarly generated by different formal expansions of a rational function. *Numerical linear algebra with applications*, 12(2–3):111–116, March/April 2005.

- CODEN NLAAEM. ISSN 1070-5325.
- Turek:2000:CIF**
- [Tur00] S. Turek. CFD for incompressible flow: numerical efficiency versus gigaflops. *Numerical linear algebra with applications*, 7(6):473–482, September 2000. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=72516&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract/72516701/START>.
- Tallec:1999:ESM**
- [TV99] Patrick Le Tallec and Marina Vidrascu. Efficient solution of mechanical and biomechanical problems by domain decomposition. *Numerical linear algebra with applications*, 6(7):599–616, October/November 1999. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=68502743&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract/68502743/START>.
- Tyrtyshnikov:1992:SPL**
- [Tyr92] E. E. Tyrtyshnikov. On symmetrizing preconditioners with low rank updates. *Journal of Numerical linear algebra with applications*, 1(2):227–235,
1992. CODEN NLAAEM. ISSN 0129-3281.
- Tyrtysnikov:2005:SPO**
- Eugene Tyrtyshnikov. Structured preconditioners for operator equations. *Numerical linear algebra with applications*, 12(2–3):251–259, March/April 2005. CODEN NLAAEM. ISSN 1070-5325.
- Vanderstraeten:2000:APB**
- Denis Vanderstraeten. An accurate parallel block Gram-Schmidt algorithm without reorthogonalization. *Numerical linear algebra with applications*, 7(4):219–236, May 2000. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=72507877&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract/72507877/START>.
- Vassilevski:1992:PNI**
- P. S. Vassilevski. Preconditioning nonsymmetric and indefinite finite element matrices. *Journal of Numerical linear algebra with applications*, 1(1):59–76, 1992. CODEN NLAAEM. ISSN 0129-3281.
- Vassilevski:2002:SME**
- Panayot S. Vassilevski. Sparse matrix element topology with application to AMG(e) and preconditioning. *Numerical*

- [Vas02] linear algebra with applications, 9(6–7):429–444, September/November 2002. CODEN NLAAEM. ISSN 1070-5325. [vdE02]
- Vassilevski:2003:OBR**
- [Vas03] Panayot S. Vassilevski. On the occasion of the 60th birthday of Raytcho Lazarov. *Numerical linear algebra with applications*, 10(1–2):1, January/March 2003. CODEN NLAAEM. ISSN 1070-5325.
- Vassilevski:2005:SIN**
- [Vas05] Panayot S. Vassilevski. Special issue of NLA on the occasion of the 70th birthday of Owe Axelsson. *Numerical linear algebra with applications*, 12(5–6):391–392, June/August 2005. CODEN NLAAEM. ISSN 1070-5325.
- Vandebril:2005:IQA**
- [VBM05a] Raf Vandebril, Marc Van Barel, and Nicola Mastronardi. An implicit QR algorithm for symmetric semiseparable matrices. *Numerical linear algebra with applications*, 12(7):625–658, September 2005. CODEN NLAAEM. ISSN 1070-5325.
- Vandebril:2005:NRD**
- [VBM05b] Raf Vandebril, Marc Van Barel, and Nicola Mastronardi. A note on the representation and definition of semiseparable matrices. *Numerical linear algebra with applications*, 12(8):839–858, October 2005. CODEN NLAAEM. ISSN 1070-5325.
- vandenEshof:2002:CJD**
- Jasper van den Eshof. The convergence of Jacobi-Davidson iterations for Hermitian eigenproblems. *Numerical linear algebra with applications*, 9(2):163–179, March 2002. CODEN NLAAEM. ISSN 1070-5325. URL <http://www3.interscience.wiley.com/cgi-bin/abstract/89013909/> START; <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=89013909&PLACEBO=IE.pdf>.
- Verbeek:2000:RNS**
- Menno E. Verbeek. Repairing near-singularity for dense EMC problems by adaptive basis techniques. *Numerical linear algebra with applications*, 7(7–8):617–634, October/December 2000. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=73505482&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract/73505482/> START.
- vanKan:2000:FPC**
- J. van Kan, C. Vuik, and P. Wesseling. Fast pressure calculation for 2D and 3D time dependent incompressible flow. *Numerical linear algebra with applications*, 7(6):429–447, September 2000. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=73505482&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract/73505482/> START.

- /www3.interscience.wiley.com/cgi-bin/fulltext?ID=72516698&PLACEBO=IE.pdf; http://www3.interscience.wiley.com/cgi-bin/abstract/72516698/START.
- Vassilevski:1996:PMF**
- [VL96] Panayot S. Vassilevski and Raytcho D. Lazarov. Preconditioning mixed finite element saddle-point elliptic problems. *Numerical linear algebra with applications*, 3(1):1–20, January/February 1996. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=15000501>.
- Vlachkova:2000:NTA**
- [Vla00] Krassimira Vlachkova. A Newton-type algorithm for solving an extremal constrained interpolation problem. *Numerical linear algebra with applications*, 7(3):133–146, April/May 2000. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=72001234&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract/72001234/START>.
- vanNotay:2000:RAM**
- [vN00] Y. van Notay. A robust algebraic multilevel preconditioner for non-symmetric  $M$ -matrices. *Numerical linear algebra with applications*, 7(5):243–267, July/August 2000. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=72508405&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract/72508405/START>.
- Voevodin:1992:PSS**
- [Voe92] V. V. Voevodin. Parallel software from the standpoint of a mathematician. *Journal of Numerical linear algebra with applications*, 1(2):237–242, 1992. CODEN NLAAEM. ISSN 0129-3281.
- vanRaalte:2005:TLM**
- [vRH05] M. H. van Raalte and P. W. Hemker. Two-level multigrid analysis for the convection-diffusion equation discretized by a discontinuous Galerkin method. *Numerical linear algebra with applications*, 12(5–6):563–584, June/August 2005. CODEN NLAAEM. ISSN 1070-5325.
- vanderVorst:1994:GFN**
- [vV94] H. A. van der Vorst and C. Vuik. GMRESR: a family of nested GMRES methods. *Numerical linear algebra with applications*, 1(4):369–386, 1994. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic).
- Vassilevski:1997:SHB**
- [VW97] Panayot S. Vassilevski and Junping Wang. Stabilizing the hi-

- erarchical basis by approximate wavelets. I. Theory. *Numerical linear algebra with applications*, 4(2):103–126, March/April 1997. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=15001015&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=15001015>.
- Vassilevski:2001:SIS**
- [VW01] Panayot Vassilevski and Carol S. Woodward. Special issue on Solution Methods for Large-Scale Non-linear Problems. *Numerical linear algebra with applications*, 8(8):497, December 2001. CODEN NLAAEM. ISSN 1070-5325. URL <http://www3.interscience.wiley.com/cgi-bin/abstract/88010576/> START; <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=88010576&PLACEBO=IE.pdf>.
- Wan:2000:IPC**
- [Wan00] Wing Lok Wan. Interface preserving coarsening multigrid for elliptic problems with highly discontinuous coefficients. *Numerical linear algebra with applications*, 7(7–8):727–742, October/December 2000. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=73505480&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/>
- [WBWM04] James S. Warsa, Michele Benzi, Todd A. Wareing, and Jim E. Morel. Preconditioning a mixed discontinuous finite element method for radiation diffusion. *Numerical linear algebra with applications*, 11(8–9):795–811, October/November 2004. CODEN NLAAEM. ISSN 1070-5325.
- Warsa:2004:PMD**
- [Wei94] Rüdiger Weiss. Properties of generalized conjugate gradient methods. *Numerical linear algebra with applications*, 1(1):45–63, 1994. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic).
- Weiss:1994:PGC**
- [Wie99] Takumi Washio and Ken Hayami. Parallel block preconditioning based on SSOR and MILU. *Numerical linear algebra with applications*, 1(6):533–553, 1994. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic).
- Washio:1994:PPB**
- [Wie99] Christian Wieners. Multigrid methods for Prandtl-Reuss plasticity. *Numerical linear algebra with applications*, 6(6):457–478, September 1999. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://cg-bin/abstract/73505480/> START.
- Wieners:1999:MMP**

- /www3.interscience.wiley.com/cgi-bin/fulltext?ID=67501479&PLACEBO=IE.pdf; http://www3.interscience.wiley.com/cgi-bin/abstract/67501479/START. [XHZ03]
- Walden:1995:OBP**
- [WKS95] Bertil Waldén, Rune Karlson, and Ji Guang Sun. Optimal backward perturbation bounds for the linear least squares problem. *Numerical linear algebra with applications*, 2(3):271–286, 1995. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic).
- Wei:2003:IPB**
- [WL03] Yimin Wei and Xiezhang Li. An improvement on perturbation bounds for the Drazin inverse. *Numerical linear algebra with applications*, 10(7):563–575, October/November 2003. CODEN NLAAEM. ISSN 1070-5325.
- Wei:2005:DSG**
- [WN05] Yimin Wei and Michael K. Ng. Displacement structure of group inverses. *Numerical linear algebra with applications*, 12(2–3):103–110, March/April 2005. CODEN NLAAEM. ISSN 1070-5325.
- Walker:1994:SG**
- [WZ94] Homer F. Walker and Lu Zhou. A simpler GMRES. *Numerical linear algebra with applications*, 1(6):571–581, 1994. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic).
- Dongxiu Xie, Xiyan Hu, and Lei Zhang. The solvability conditions for inverse eigenproblem of symmetric and anti-symmetric matrices and its approximation. *Numerical linear algebra with applications*, 10(3):223–234, April/May 2003. CODEN NLAAEM. ISSN 1070-5325.
- Xie:2003:SCI**
- Ulrike Meier Yang. On the use of relaxation parameters in hybrid smoothers. *Numerical linear algebra with applications*, 11(2–3):155–172, March/April 2004. CODEN NLAAEM. ISSN 1070-5325.
- Yang:2004:URP**
- Irad Yavneh. Editorial. *Numerical linear algebra with applications*, 11(2–3):91, March/April 2004. CODEN NLAAEM. ISSN 1070-5325.
- Yavneh:2004:E**
- Chao Yang, Esmond G. Ng, and Paweł A. Penczek. Matrix-free constructions of circulant and block circulant preconditioners. *Numerical linear algebra with applications*, 11(8–9):773–793, October/November 2004. CODEN NLAAEM. ISSN 1070-5325.
- Yang:2004:MFC**

- Yong:1996:SCT**
- [Yon96] Xue-Rong Yong. Short communication: Two properties of diagonally dominant matrices. *Numerical linear algebra with applications*, 3(2):173–177, March/April 1996. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/abstract?ID=15000984>.
- Yotov:2001:MNK**
- [Yot01] Ivan Yotov. A multilevel Newton-Krylov interface solver for multiphysics couplings of flow in porous media. *Numerical linear algebra with applications*, 8(8):551–570, December 2001. CODEN NLAAEM. ISSN 1070-5325. URL <http://www3.interscience.wiley.com/cgi-bin/abstract/88010592/> START; <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=88010592&PLACEBO=IE.pdf>.
- Ypma:1995:SFP**
- [Ypm95] Tjalling J. Ypma. A SAXPY formulation for plane rotations. *Numerical linear algebra with applications*, 2(6):533–541, 1995. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic).
- Peng:2004:IPB**
- [yPyHZ04] Zhen yun Peng, Xi yan Hu, and Lei Zhang. The inverse problem of bisymmetric matrices with a submatrix constraint. *Numerical linear algebra with applications*, 11(1):59–73, February 2004. CODEN NLAAEM. ISSN 1070-5325.
- Zha:1992:TWC**
- Hong Yuan Zha. A two-way chasing scheme for reducing a symmetric arrowhead matrix to tridiagonal form. *Journal of Numerical linear algebra with applications*, 1(1):49–57, 1992. CODEN NLAAEM. ISSN 0129-3281.
- Zitko:2000:GCC**
- Jan Zítko. Generalization of convergence conditions for a restarted GMRES. *Numerical linear algebra with applications*, 7(3):117–131, April/May 2000. CODEN NLAAEM. ISSN 1070-5325 (print), 1099-1506 (electronic). URL <http://www3.interscience.wiley.com/cgi-bin/fulltext?ID=72001233&PLACEBO=IE.pdf>; <http://www3.interscience.wiley.com/cgi-bin/abstract/72001233/START>.
- Zitko:2005:CCR**
- Jan Zítko. Convergence conditions for a restarted GMRES method augmented with eigenspaces. *Numerical linear algebra with applications*, 12(4):373–390, May 2005. CODEN NLAAEM. ISSN 1070-5325.