A Bibliography of Publications of Yousef Saad

Yousef Saad
Computer Science Dept., University of Minnesota
4-192 EE/CSci Building, 200 Union Street S.E.
Minneapolis, MN 55455
USA
Tel: +1 612 624 7804
FAX: +1 612 625 0572
E-mail: saad@cs.umn.edu (Internet)

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Abstract

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Title word cross-reference

3D [GHS10]. \text{exp}(−A)b [SSS10]. f(A)b [CAS11]. \text{ILU} [LSC03]. \text{ILUS} [CS97c]. k [CrFS09]. \text{LU} [CS97c, LSS03b, Saa94d]. \text{tr}(f(A)) [CS18, UCS17].

'02 [AGPS03].

1988 [BTS+89]. 1993 [BCEP94].

20th [Sv00].

5 [WS93].

Abaffy [Saa92h]. ABS [Saa92h]. Abstract [SS85c]. accelerated [LS13b]. accelerating

[KKPS18]. Acceleration [BRZS18, KS87, Saa84b, CS99, rFS09, KS92, ZSTC06a]. acceptors [SKBS88]. ADI [MS92, MS93]. advances [GGL94]. algebra [DS91a].

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[AJT+07]. flexible [Saa91a, Saa93a]. flows [LLCS02]. fMRI [SS14]. forces [CJWS96].

format [CS97c]. free [ZCS14]. Function
[XS17, SS11]. Functional [BKS08, BSK+03, RGSB08, SS11, dGGS+05]. Further
[BSS10, Saa00b].

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[SWS98]. initio [OBSC03, JTD+94]. inner [Saa91a, Saa93a].

inner-outer [Saa91a, Saa93a]. Institute
[BTS+89]. integration [KKPS18].

interactions [ACS12]. Interior [rFS12].

International [BCEP94]. interval [DSP16].

intervals [Saa83d]. Invariant
[BKS08, PS07]. Inverse
[BS02b, BS05b, CS94, CS98b, TS11, BS02a, CS97d, CS97f, TS12]. Inverse-Based
[BS05b]. Inverses [BS02c]. Invert
[PS87, PS85]. Iron [TZA+06]. irregularly
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Iteration [Saa16, ZSTC06b, ZCS14].
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Iterative [BTS+89, CS85b, GS83, SS81, Saa83d, SM95, Sv00, Saa03b, CS02, GGLV94, JSS07, KMB+18, LS13b, SW94, SW95, SW96a, SKL+97, Saa01].

J. [Saa92h]. Jacobi [SS98b]. January [Fit86].

Kernels [SM95]. Kohn [SCS12, ZCS14]. Krylov [Saa89a, Saa90b, ACSS12, BSS09, BS87, BS89, BS90, BS94, CS99, CCSY98, CS97b, CS14, ESS86, GS92b, GS92a, Saa81, Saa84c, Saa90d, Saa91b, Saa92b, Saa92e, Saa92f, Saa93b, Saa97, Saa98, Saa11b, ZS08].

Laguerre [SSS10]. Lanczos [BCEP94, AKS17, BGB+10, BSTC05, BK08, CrFS09, C18, rFS12, LXV+16, RGSB08, Saa80a, Saa80b, Saa82a, Saa87d, Saa94b, Saa94e, UCS17].

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liquid [LLCS02]. localized [CJWS96]. Low [CS09b, DKXS18, LS13a, LS17, UMS17, CS08, LXS16, XLS16]. Low-Rank [LS13a, LS17, LXS16, XLS16]. LR [Saa74b].

LU [CCS10]. Lyapunov [Saa90c].
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P_SPARSLIB [SW94, SW95, SW96a, SKL+97]. Package [SW88a, SSO2a, SW88b, SW90]. papers [GGL94]. Parabolic [GS92a, GS89c, GS89a, GS90b, GS90a, GS92b]. Parallel [BDG+10, BGSS14, BSK+03, CSS02, CS97f, FWPS92, FRSY96, GS90a, HS06, IS85, IS86b, IS86a, SS85e, SS85f, SS86b, SS86a, Saa87b, SS87, SW94, SS99c, Saa01, SS02a, SÖS+00, ZSTC06a, AS88, AS89, CS99, GS87, GS88b, GS88a, GS89b, GS89c, GS89a, GS89d, GHS10, LSS03a, LCCS02, SS08, SS87a, SS89b, Saa92c, Saa94c, SW95, SW96a, SKL+97, Saa99b, SSS04, AGPS03, ASSS11]. Parlett [Saa83c]. pARMS [LSS03a, SSO2a]. Partial [CSS5, DS91b, Saa85b, XS16, CSS87, Saa88d]. partially [BCEP94]. Particle [LLCS02]. partitioned [CS97d]. partitioning [GS94, LLCS02, Saa74a, VSS14]. Passing [Saa87b, Saa87a, WS93]. Performance [WS93]. periodic [AJT+07]. physical [CSS02, SSS04]. Pivoting [BS02b, BS02a, LS05a]. plane [JKSC99, Saa83a, Saa84a, Saa86b, Saa86c, Saa87c]. plane-wave [JKSC99]. PMAA [AGPS03]. PMAA"10 [ASSS11]. Point [LS03, LSS03b]. pole [Saa88d]. Polynomial [BKS08, CAS11, LXV+16, GS90b, Saa85c]. polynomials [Saa83d, Saa83a, Saa87c, SSS10]. portable [SKL+97]. Positive [Saa80, VSS14]. posteriori [CS18]. potential [CTS93, CTS94]. Practical [BTS+89, Saa84c, Saa85c, BTS+89]. Preconditioned [CCS98, CS14, SS85f,
SS86a, Saa91b, Saa93b, Saa98, LS13b, Saa91a, Saa92f, Saa93a. **Preconditioner** [BS02b, DKXS18, LS05b, LS06, Saa96, SZ99a, SZ99b, XLS16, BS17, BPS02a, CS97c, Saa92c, XLS16].

**Preconditioners** [BS05b, CS94, CS98b, LS13a, LS17, LSS03b, MS92, MS93, MS94, CS97a, SW00, CS97c, CS97f, GS03, LXS16, Saa94c, SZ99a, Saa07].

**Preconditioning** [CS98a, KSS03, KSSG04, OKS10, Saa88a, Saa88b, SAD+00, Saa03a, SMSSW00, SSF93, OKLS15, SS99b, SZ01, SSF95, VSS14, WSS98].

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**Processors** [SS85]. **Projection** [BS07, KS07, Saa82b, Saa83c, Saa88d, Saa91e, Saa92h, ITS07, Saa80a, Saa82a].

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**pseudo** [CT93, CT94]. **pseudo-potential** [CT93b, CT94]. **pseudopotential** [CTWS94, JTD+94]. **pseudopotentials** [CKV+03]. **PSPARSLIB** [SS98a]. **purpose** [Saa92a].

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**quantum** [CJWS96]. **Quasi** [SW93, SW96b]. **Quasi-minimal** [SW93, SW96b].

**Raleigh** [BCEP94]. **Rank** [CS09b, DKXS18, LS13a, LS17, CS08, LX16, UMS17, XLS16].

**rates** [Saa80b]. **Ratio** [NBS10, NBS12].

**Rational** [GSS03, KXS18, SCS12, XS16, KS17, SS90a].

**Real** [PS87, CKV+03, PS85]. **recognition** [KS05a]. **recursive** [CrFS09, SS03a, SS02b, SSS07b, SSS08].

**recycling** [GSM15]. **Reduction** [CS09a, KS07, NBS10, Saa87, SS88b, GS88a, GS88b, KCS09, KC11].

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**Reorderings** [Saa05]. **reorthogonalized** [BSS05, reservoi] [Fit86]. **Residual** [Saa06, SS86c, SW93, SW96b, Saa00b].

**Residual-type** [Saa06]. **Restart** [LXS16].

**Repeated** [SSW98]. **Restarting** [SSW98, SS98b]. **Restriction** [LS05b].

**Review** [Saa83c, Saa92a]. **Reviews** [Saa95].

**Right** [Saa87d, KMB+18]. **Right-Hand** [Saa87d, KMB+18]. **Ring** [ISS84, ISS86].

**Robust** [SSF93, SSF95, ZS99a].

**Saddle** [LS03, LS03b]. **Sampling** [CS14].

**Scalable** [KMB+18]. **Scale** [BTS+89].

**Schur** [Saa07, BS05a, DKXS18, GHS10, KLS16, LS05b, LS06, Saa99a, SS08].

**Schur-RAS** [LS05b].

**Scientific** [Saa95].

**Seismic** [Fit86].

**Selection** [MS07].

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**semiconductors** [SKBS88].

**Sequence** [BRZS18]. **sets** [SS14]. **Several** [Saa87d].

**Sham** [SCS12, ZCS14].

**Shanks** [BRZS18].

**Shared** [Saa87b, Saa87a]. **Shift** [PS87, PS85].

**Shifts** [Saa74c]. **Si** [JTD+94].

**Sides** [Saa87d, KMB+18]. **Simulation** [KS87].

**Simulations** [ACCSS12, JT04].

**Singular** [CS09a].

**skyline** [CS97c].

**slicing** [SCS12].

**Smallest** [BS05a].

**SNAP** [RSC07].

**Software** [AEKS90, Saa92a].

**Solid** [LLCS02].

**Solid-liquid** [LLCS02].

**Solution** [DS91a, GS92a, ISS84, ISS85, ISS86, IS86b].
Solving [AS88, AS89, CSS85, CSS87, MS92, MS93, PS89, SS80, Saa84b, SS85g, SS85e, SS85, Saa87d, SS87, Saa02a, BS91, CSS85b, ESS86, LSS86, Saa80a, Saa81, Saa82a, Saa82b, Saa83a, Saa83e, Saa84c, Saa86c, SL86, Saa87c, SL88, ZCS14]. Some [GS89d, SW89, Saa92b, BSS09, Saa84c, Saa86e]. SOR [MS94]. space [CKV03, ITS07]. SPARK [SW90]. Sparse [AEKS90, CS92, CS94, CS98b, FWPS92, GHS10, GGL94, IS86a, LSC03, LS06, MS92, MS93, MS94, PSWF93, PS98, SW88a, SW89, Saa94a, SW94, SM95, Saa96, Saa98a, Saa99a, Saa99c, Saa99d, Saa99e, Saa99f, Saa02a, XS17, AS88, AS89, CS93, CS96, CS97c, GSS03, JSS07, LS05a, Saa82b, Saa83a, Saa83e, SW88b, SW90, Saa90a, Saa92c, Saa94c, SW95, SW96a, SKL+97, SZZ98, SZZ99, SZZ00, SZ01, Saa01, SS02b, Saa03b, Saa07, SSF95, XLS16, ZCS14]. Sparse-Sparse [CS98b]. SPARSKIT [Saa90a]. Special [ASSS11, BJ+09, BDG+10]. Spectra [XS16, CJWS96]. Spectral [BS05a, KLS16, SGM15, XLS18, LSY16]. Spectrum [DS91b, SCS12]. Specidcato [Saa92h]. Squares [CAS11, LS06, XS16, Saa83a, Saa84a, Saa86b, Saa86e, Saa87c]. standard [SS99c]. Standards [AEKS90]. state [Saa88d]. states [BG+B+10, SKBSS88]. Statistics [SW89]. Stiefel [SS80]. Stochastic [UCS17]. Strategies [MS07b, MOKS12, PS87, SS99c, LLCS02, PS85, SZ01, SGSM15, SMSW00]. Strategy [MS07a]. structural [CTJ+95]. Structure [SCS10, AJT+07, CT93, CTS94, CKV+03, JKSC99, SSC+96]. Structured [GGL94, FRSY96]. Structures [Saa94a, SM95, Saa03a]. study [CS97e]. Subgraph [CS12]. Subspace [CCS98, CS14, Saa91b, Saa92b, Saa92c, Saa93b, Saa97, Saa11a, Saa16, ACS12, BSS09, BS89, CS97b, ESS86, Saa81, Saa84c, Saa89a, Saa90b, Saa90d, Saa92f, CJ98, ZSTC06a, ZSTC06b, ZCS14]. Subspaces [BKSO8, PS07]. Substructuring [KXS18]. sum [CS97a]. Supercomputer [BTS+89, Saa91b, Saa93b]. Supercomputers [PS89, Saa89a]. SVD [CS08, CS09b]. Sylvester [DS91b]. Sylvester-Like [DS91b]. Symmetric [LS13a, LS03b, Saa83c, Saa87d, SSF93, ZS07, KLS16, KKPS18, LS05a, Saa83d, SSF95, SS98b, VSS14, WSS98, XLS16, ZS08]. Symmetry [CCS98]. System [ISS84, ISS6, BS87, ITS07, KMB+18]. Systems [DKXS18, MS92, MS93, MS94, OBSC03, SS80, SS85g, SS85e, Saa87d, SS87, SS89a, SS99a, SS99b, Saa90a, Saa92a, Saa94c, SW89, Saa94a, SW95, SW96a, SKL+97, SZZ98, SZZ99, SZZ00, SZ01, Saa01, SS02b, Saa03b, Saa07, SSF95, XLS16, ZCS14]. Technique [KS07]. Techniques [IS86a, Saa84b, Saa99a, CS97d, KS16, KS03, KSSG04, KS87, Saa74a, Saa88a, Saa88b, Ssa88c, SSZ98, SZ99c, SS99b, SAD+00, SS98b, VSS98]. Tensor [CS97a, CS09b, CS08]. Tensors [CS09b, CS08]. Texas [Fit86]. their [GS89d, Saa87c]. Theoretical [Saa94b, Saa94e]. Theory [BKSO8, BSS09, BS94, BSK+03, RGSB08, Saa90b, SS11, dGGS+05]. thermoacoustics [SGSM15]. Thick [LXV+16, SW98]. Thick-Restart [LXV+16]. three [LS86].
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