A Complete Bibliography of Publications in the *SIAM Journal on Optimization*

Nelson H. F. Beebe  
University of Utah  
Department of Mathematics, 110 LCB  
155 S 1400 E RM 233  
Salt Lake City, UT 84112-0090  
USA  
Tel: +1 801 581 5254  
FAX: +1 801 581 4148  
E-mail: beebe@math.utah.edu, beebe@acm.org, beebe@computer.org (Internet)  
WWW URL: http://www.math.utah.edu/~beebe/  

13 October 2017  
Version 3.28

Title word cross-reference

- $(k + 1)$ [BHKM14]. $(L_r, L_r, 1)$ [SVD14]. 
- $(n - 1)$ [JMW08]. $+ [BAC11, Las10]$. $0$ 
- [BZ04, Che15, Las02, LS91, RQMG12]. $0.999$ 
- [Mas97]. $0 < q \leq 1$ [LW11a]. $1$ 
- [BZ04, CCFP05, Che15, HAN11, HL06, Las02, LS91, RQMG12]. $1/k^2$ [AP16]. $1024$ 
- [GR94]. $2$ 
- [DV16, HL11, IS02b, Lin08, Ris94, ZL02]. $3$ 
- [STY15]. $4$ [STY15]. $5$ [Eck94]. $\alpha$ [MLRR93]. $B$ [FT07, HMW13, MS11c]. $C$ [HK09]. $C_1^{1,1}$ [BDS10, BK10]. $C^{k,1}$ [Lue95]. $D_2$ [Dan93]. $\ell_1$ [DV14, LMW16, DLR16, DV16, KV17, CO12a, GP04, HYZ08, ZL12]. $\ell_\infty$ [LL09]. $\ell_q$ [LW11a]. $\epsilon$ [BBR16, BPT97]. $F$ [MS11c, MP97]. $K$ 
- [PW07, SM93, BHKM14, DV16, WDST14]. $K_{m,n}$ [dKP12]. $K_n$ [dKP12]. $L$ [ZN09]. $L^1$ [CHW12]. $\ell_1$ [MU14, BL93, LS98a, MN93]. $L_p$ [JLW16, Las16, Li93b]. $M$ 
- [MST11, LS98a]. $\mathcal{U}$ [Har14]. $\forall \mathcal{U}$ [Har14]. $n$ 
- [Loc15]. $N - k$ [BV10]. $\nabla u$ [Cel07]. $O(1/t)$ [TY12, YN17, Nem04]. $O([n^3/\ln n]L)$ [Ans99]. $O(n)$ [Roo15, Roo06]. $O(n^3L)$ [McS96]. $O(n \log Tr(X^0S^0)\epsilon)$ [LT10b]. $O(\sqrt{L})$ [AZ05, GT92, HY96, McS94]. $P$ [CX08, XY00]. $P_\ast$ [PS97]. $P_\ast(\kappa)$ [IPRT00, LR10]. $P_0$ [CC99, CY00, Qi99, RG00, ZL03]. $\Psi$ [GL08b]. $R_0$ [CC99, FCF07]. $\sigma$ [RZ01]. $T$ [Chu03, Chu09, RQMG12]. $u$ [Cel07, Ous99]. $\epsilon$ [RW07]. $\varphi$ [YZZ17]. $VU$ [MS00]. $X^{1/2}SX^{1/2}$ [LM04]. $Z$ [MN96].

1 [BLMH06]. 1-Restricted [HL08a].

2-Matchings [HL08a]. 2-Page [dKP12]. 2001e [QW01].

3-Way [DO06].

97a [ZT98]. 99k [MZ00].

Abadie [Li97]. ABCD [STY16]. Abscissa [GO12, VVM+09]. Absence [DLV10].

Abstract [BR07, CT12, Gfr07, IK14, LN14a, NY02]. Accelerated [ALR03, AP16, DJ93, FR15, HM16, JST12, LLX15, MS14, NS17, RFNP14, VSBV14, Wri12]. Accelerating [HM15, YM14]. Acceleration [HI14, LS13, NN91b]. Accuracy [SSSZ10].

Accurate [FFK98a]. Acoustics [Hab98]. action [ZC91]. Active [BHHK00, BDL+16, CWH06, CH16, DIS04, DLR16, EJ06, FFK98a, FJS98, FT02, FT07, GLT03, GL15, HZ06a, HIK03, HR15, IS08, JK15, KR02, KR03, Lew02, LT10a, OW06, SZY16].

Active-Set [CH16, DIS04, FT02, FT07, GL15, IS08, JKW15, SY16]. Activity [LW11b, LPF17]. Actual [WLZY07]. Actually [AP16]. Adaptive [AA06, AD06, ACD08, AJD08, AILT14, AH16, BD09, CJSY07, CBJF97, CNQ97, Don16, DFS03, Eic09, FS08, NWW09, PW06, RPK03, SV07, SY13, SL15, SAW99, Sz98, Tse98, YK104, ZU11, Zie14].

Adaptive-Mode [SZ98]. Additive [Cap02, Qi16]. Adjoint [DSD12]. Adjoint-Based [DSD12]. Adjusted [AH05, LL05]. Admissible [ZZ16].

ADMM [GMM17, LST16, LMZ15]. Affected [BTN02]. Affine [BM16a, CB00, GLHZ11, JRT97, MT98, Pot08, Rob07, She14, GT92, LT92, Mas97, MW96, RV93, TM95]. Affine-Scaling [GLHZ11]. AFPTAS [EL10]. Agents [LdF08]. Aggregated [GOP17].

aggregation [Gar93]. Ahead [HN05].

Alem [EA99]. Algebra [BZ04]. Algebraic [Bar08, Chu09, Fay06, FFG99, GE14, Las05, LP10, Mat05, NR09, RFB+11].

Algebras [Chu03, PA14, RSS14]. Algorithm [Alv04, AF01, Ani02, AGJ00, APR14, AJS08, AD15, BBW05, BC05, BM16a, BD17, Bia16, Bil02, BW02, BKT99b, BP97, BLY14, BCH14, BDPP14, BD09, BI98, BLO05, BCW14, BHN99, Cab05, CCS10, CCFP05, CJSY07, CB00, Cas00, CMY15, CL14, CH15, CP08, CC02, CGST96a, CY14, CR04, CP01b, CNW10, CO12b, CJRW14, Dai02, DK13, DLR16, DT08, DK10, FS97, FJS98, FLF02, Fay96, FLT02, FGL+02, Fle12, FS08, FV99, FQ96, FT02, FT07,
Algorithm [LWZ15, LLS06, LL09, LM05, LMO06, LY07, LPS05, LS98b, LSZ98, MN09, MNP96, MNP98, McS96, MÖ10, MP14a, Men17, Mit00, MT98, MT03, MT04, MPR10, MST11, NL14, NLQT06, Pan05, PRRL97, PTZ05, PW17, PS98, QQ00, RNV09, Roo06, RN98, SD00, SE99, Sch08, SY96, SP97, SLWY15, Sim11, SP12, SKL09b, TF96, TA98, TDKC14, VJM16, WST10, WLWY15, WCP17, WT04, Wr105, X599, X979, X97Y, Y97X, YF00, YST14, YN17, ZCS10, ZL03, ZT98, de14, Ans91, AB95, BMR94, Ber91, BF96, BKT99a, BD93, Bos93, BTZ92, CT93, CH93b, CL92, DvTY91, DL91, EA95, Fre95, GKL95a, GV94, GLW91, GT92, KN93, Lag93, Li93a, MN93, Man91, Mas97, MP95, MW96, MP95, NS91, PR93, PY93, Pot96, RV93, Ser95, Tod92, Tor91, Tse91, TM95, Wr29]. algorithm [Ye92, ZT93, ZT96, Zhu95, dRV92].

Algorithmic [AMS10, AMRS16, AO06, CM16, GL12].

Algorithms [AKS00, ABGJ14, ARS07, AD00, AD06, ACD08, AILT14, BE04, BW12, BE14, BDM09, BGG92, BKR17, BGNW05, CGT12, CH02, Chu09, Con14, CGST96b, CVV99, CSV09, Dai06, DP00, DHL15, DV97, DEAM97, EA99, Fle01, GPR02, GL12, GL14a, GLRS15, GM12b, Go99, GOST01, GSW97, GOP17, HSS17, HV01, HNE16, HL14, HO8c, HO6b, HLY16, Iid13, IH14, IS02c, JRT97, JLW16, Kor00, KNS11, LS13, LR16, LT99, LT10b, MP97, Mö09, Mia96, MCB09, MN96, Mon97, MT99, MS13, MW09, MARS10, Mur03, NARS14, PC08, PLS08, Pat98, PRS16, PQS01, PW06, PTJY10, Pul00, RNV09, Ric11, RFNP14, SPT08, ST10, SSK98, Sol98, SVD14, Teb97, Tor97, VSBV14, WLY16, WS11, Wr99, Yi08, Yin99, YLZ02, YK104, Zha98a, ZK14, Zha98b, BT94a, BS94, CGST93, Dan93].

calgorithms [Dix91, Eck94, Gül92, IKR91, JY94, JY94, JY94, JY94, JSV91, KKM93, LT92, LT93, McS94, MTT94, MKT95, Mon98, Naz91, PQ93, Q95, ZC91, ZTD92, ZTP93, ZR93, Zhu96].

Alizadeh [KSS99, LM05]. all-inclusive [WZ95].

Allocation [Iid12, LdF08, VJM16]. allowing [AW94, Ye92]. Almost [Fus14].

Also [Las04]. Alternating [AAJN16, ARS07, Bec15, Bol14, BSR17, CS08a, HTH12, HLR16, KRR99, MS13, STY15, TY12, Tse97a]. Alternative [JLL09, Mut01]. Always [Ros14].

Ambiguity [RR15, RW17]. Ambiguous [Cal07]. Ample [DR01]. Analyses [CM16].

Analysis [AWW09, AD03, AC02, BDM09, BH96, BLY14, BLT17, BKS96, CLMP10a, CLMP10b, Cap02, CW12, CT12, CQTO3, Dav15b, Dav15a, DMZ12, DR07, EW90, GY17, GM17, GLY96, GG08, Gon14, Gre00, Gui6, GLY12, GLY14, GZ97, HL98, HLZ08, Har14, HV01, HMIN10, Her09, HS11, HLR16, KL10, Kor00, KNS11, LR10, LRP16, LP08, LN11a, LXL11, LRX14, Lov11, LJ16, Luc09, Lu09, Mal07, MO07b, Mor07, MOC15, NC01, NO99, PMDL10, RHL14, SBD91, Se979, Sen07, ST14, SW07, Wa08, XB99, YT02, Zas13, ZXZ16, ZN05, ZW12a, ZN14b, dF09, dKL15, BKT99a, BT96, CT93, Io94, JY94, Lew96, LT92, MS94b, S9Z2, Zhu96].

Analytic [CF99, Fel00, Nau02, Fox95].

Application [RADK05].

Aperture [RADK05]. Application [AD10, ANRV04, Ans17, AD15, BGG92, BH96, Ceg15, FGM17, Gfr14, GLHZ11, GF08, Iid12, LLX15, LW08, Mai15, MP14a,
Applications

[ANT16, AHSS12, Bec15, BTMN01, BDL07, BH14b, Cab05, CGT11, CT02, CQT03, CSW12, Com14, CVV99, DMZ12, DLV10, DMVV17, DPS17, EL09, FK00, FBM15, Fus14, GH16, GLT03, GLY12, GNPT16, Har98, HSK15, HLY16, HY02, HYY16, IK14, JPT13, JY04, JL16, JW14, Kan14, KB08, LLD02, LNP08, LM12, LZH14, Lu09, MS11c, MO01, MTZ03, MO07b, MR12, MN13, MN14, MOC15, PW05, RM08, RFB+11, RGY99, She14, SSQ04, Ulb01, XS99, XYZ15, XY97, YmZS15, YFHS16, YLZ02, vAS14, CL96a, Iof94, TYF96, Wan95].

Applications

Applying

[MPR10, SK98].

Approach

[AAS17, ASNP16, AT03, Ani05a, APR14, BQX15, BP05, BEET12, CT06, Chu09, DEAW99, DMVV17, FLLR14, Fay06, FLS03, GV14, GJN06, HLZ08, HSK15, HLY16, HY02, HYY16, IK14, JPT13, JY04, JL16, JW14, Kan14, KB08, LLD+02, LNP08, LM12, LZH14, Lu09, MS11c, MO01, MTZ03, MO07b, MR12, MN13, MN14, MOC15, PW05, RM08, RFB+11, RGY99, She14, SSQ04, Ulb01, XS99, XYZ15, XY97, YmZS15, YFHS16, ZY07, ZN14a, ZN14b, Zhu02, vdLTY06, Ali95, AEGS93, ACC93, Den00, Tha.94, Tha93].

Approaches

[Ani05b, Kau99, Tuy00, YZ10, dKL10].

Approximate

[BW07, BCM03, Assignment]

Approaches

[Ans00, MP10, PRRL97, BCT93, PR93].

Associated

[GRH14, LM04, MP10, ZL01, ZW12a].

Assuming [EA99].

Asymmetric

[BC09, BNT04, Cha02, FB03, Tiu03, Zhu96].

Asymptotical [HY96].

Asynchronous

[FT02].

Backward

[ACP11a, APR14, AVaR, Automatic, B-Stationary, Back, B-Stationary, Backward].

Average

[BBMW16, BGLW08, CWZ12, CC14, EN14, GS01, Har09, HG16, KsdM01, MX06, Wan11].

Averaged

[BLT17].

Averages

[BBW12].

Averse

[FWKS15, Gui16, KS16b].

Aversion

[ST03].

Away

[PRS16].

B

[FT02].

B-Stationary

[FT02].

Back

[HTY12].

Backward

[ACP11a, APR14, AVaR, Automatic, B-Stationary, Back, B-Stationary, Backward].
AP16, AD15, LFP17, VSBV14, CR97.
Backward-type [LFP17]. Bad [Pat17].
Balance [Fre95]. Ball [AY08, Lim11, SZY16, WX16, Yil08].
Ball-Constrained [WX16]. Ball/Sphere [SZY16].
YZ13, Zas05, ZoI03, NT02, Ren95, War92].

**Condition-Based** [FV99].

**Condition-Measure** [NF01]. **Conditional** [Bac15, BPS15, BSR17, GH16, KS16b, LZ16, dF09]. **Conditioning** [CT13, EF02, FlE98, Pat16, Wri98, AW93]. **Conditions** [AAS17, Aus10, BT04, BT06a, BE14, BKTN99, BOT06, BPC11, BGm+16, BCW08, BCS99, BKS16, CLMP10b, CT02, CdlRT08, CHW12, CNY14, Che15, CHL16, Dz14, DLW99, EW09, FBM15, Gfr07, Gfr13, Gfr14, GM15, GJN06, HS06, HN09, HJ02, HS11, HN04, JLD03, JL03, LP06a, MM11, ML05, MY10, Ni05, PY97, RT06, SN07, SKR16, TM15, WY01, WY03, XY10, YZZ97, Ye99, Ye00, YZ10, YZ16, ZFL06, ZN11, Zhu02, DI96, DFK511, GI97, JSC95, KS10, Sta92]. **Condor** [CF01].

**Cone** [AMRS16, AKK14, Aus15, BF08, BA13, CT06, CH17, Don14, Elle06, FBM13, FSF12, FL10, GVA11, HYF05, HW10, JY04, JBSA10, KFF09, Kas10, KSN08, LP15a, Lim11, LY07, MOS14, NT16, OC11, PC08, Sha97, TW14, Tse07, YZ16, ZY14, ZN14b].

**Cone-Constrained** [JY04].

**Cone-Continuity** [AMRS16]. **Cones** [BP07, Chu03, CY10, CL14, Fay02, FG04a, GS07, HL02, KT00, LS91, NT98, PA14, Ran06, Ros14, Yos07, ZW12a, ZVP06].

**Confidence** [Lu14, Vog08]. **Conflicts** [EL08]. **Conformation** [Wu96]. **Conic** [AB08, AT06, BTN10, CCH05, CCP08, CP01b, DJV06, DSZ17, EF02, FV99, Fre03, GL15, JR08, LP15a, GI97, MO99, MOC15, NS14, Ni05, OHF12, Pe00a, PRT02, RDV12, SOT09, SH15, SAV14, STY15, WA15, Zha00, ZN05]. **Conic-Constrained** [GL15].

**Conic-Quadratic** [BTNR02]. **Conical** [DLV99]. **Conjecture** [GR10c]. **Conjugate** [BTT96, BW05, DHL+99, DY99, DK13, HZ05, HZ14, IY09, IS02a, Luc09, NYF11, QQ03, Ren96, TK02, GN92, IK+91, Ort91]. **Conjugate-Gradient** [Ren96].

**Connections** [RR15]. **Connectivity** [YmZS15, GMS92]. **Consecutive** [HL06]. **Consensus** [SLWY15]. **Consequences** [AMS10, AMRS16]. **Conservative** [Sva02]. **Consistent** [Den14, KCS97]. **Constant** [BHOG07, GSH14, MS11b, QW00, QW01, Qi16, SW14, SW15, Zua03]. **Constants** [AC02, SK06]. **Constrained** [ANT16, AMS10, ANI02, AKK14, AF814, ACP11a, ACP11b, AD06, ACD08, AST10, ACL99, BQPX15, BCL07, BBT12, BE14, BHHK00, BG08, BGm+16, Bon15, BP97, BCN08, CP12, CT14, CWS12, CNW10, CO12b, DV97, DEAM97, DR14, DGN12, DW10, Dos97, EA99, FL02, FLL14, FS96, FIS10, Fle14, FV16, FBM13, FM97, FS05, FL10, Ger08, Ger11, GMS02, GL15, GKR14, GHHL05, Gou99, GSW97, HZ06a, HH96a, HR1a4, HK06, HK10, HSW14, HY06, Ild12, JAL15, JY04, JST12, JL16, KKO2, KLT07, KS16b, KR02, LLS05, LLN98, LM02, LT99, LTO0, LT10a, LJ02, LNP08, LST16, LM99, LY11, LLS06, LL09, LLS10, LRR16, LFJ+11, LSL08, MNP98, uDR15, MP99, MRS14, MBW09, NS07, ND10, PO03, PM15, QQ09, QQ00, RN98, SS05, SU14]. **Constrained** [SSW16, SY16, SBT16, SV07, SY13, So98, SW99, SL05, TDK14, Tse02, Ulb01, WX16, XSLZ11, XHL14, XZ15, YHO1, YLQ03, ZoI02, ZU11, Zie14, dKHL17, vAS14, BCT93, BNS95, Bur92, BTZ92, EA95, FMS94, GI97, GR94, GK95b, GLW91, MMZ95, NN01b, P94, RS94, War92, WR92].

**Constraint** [AHSS12, AMRS16, BDdSM15, CS08b, Din98, FLN10, Fie12, GI17, GM17, GJLV14, GVJS10, GTX17, Her09, HY16, IS02b, IS04, JLD03, Kan14, KS10, KNT10, LI97, LNS00, LJ02, LN03, LN05a, LNP08, LPR98, NKT10, Son06, Sor97, TAW06, VR05, WB16, WA15, Ye00, ZN04, ZN07b, ZW12b, FM91]. **Constraints** [ABMS08, ANI05a, ANI05b, ANI17, BT04, BT06a, BE06, BMD16, BCUC00, BMW10,
BFMS14, BKS16, BL09, BA13, CCL09, CdlRT08, CSW15, Chu16, CS15, CGST96a, CGST96b, CO12a, DFNS05, DZ07, DR03, DHR07, DW15b, DJV06, DK10, FFK98a, FJS98, FLRS06, FHN09, FP98, FT02, FT07, Gfr07, Gfr14, GLY12, GLY14, GLYZ14, HCH12, HW10, HJ02, HH06, HK09, HK10, HS11, HR12, HR14b, HL06, dMM10, HMP+08, HYY16, ILS08, ISU12, Jey03, JR00, KDB09, Kan14, KS10, KS14, KNP98, KCS97, KU15, Kuč08a, LRP16, LT02, LLCN06, LN03, LXL11, LX14, LMX17, Lue08, LA08, LSTZ07, LZ10, Mal07, MX06, Men17, Nga15, NTA04, OHF12, PS10a, PZ98, PZ00, PZ03, PZ11, PY97, RB05].

Constraints
[RT06, RR08, Sch09, SW11, SFM14, Sch01, SSSZ10, Sha97, SK16, SU10, SKL09a, SXMW13, STY15, TAW06, Trö05, Wac14, WJ00, WBME14, Xu06, XY10, Ye99, Ye00, YZ16, Zas13, ZZX16, Zie14, vAH14, vdlBF16, BM94b, CGST93, FM94b, GK94, GMS92, Hei93, LS93, Li96, MT91, Out94].

Construct [YZ13]. Constructing [ZFL06].

Constructive [Wan95]. Contact
[BTKNZ99, BHK00, BHK+09, KP98].

Containment [KTT14, KT15, PR07a].

Containments [Jey03]. Context [VD06].

Continuation [CX99, CC99, CY10, CH15, HY208, Lov11, MNP96, MNP98, MW97, Wu96, CH93a, LP93].

Continuation-Smoothing [CC99].

Continuity [AMRS16, CM17, CKS17, Rob07, SW07, TM15, Gow92]. Continuous
[AFFG14, BK12, BBW07, FHKM06, FHN09, GLHZ11, GN17, HN05, HN07, HG16, JY04, Luc02, MST11, MBW09, NT06, Nem04, Pul00, SFP11, SW14, SW15, Tät03, ZT98, Dan93, ZT96]. continuously [Luc92].

Continuum [TY04]. Contour [LSW06].

Contractive [HLWY14]. Control
[BDM16, BM16b, BHHK00, BG08, CT02, CdlRT08, CHW12, CT12, DFS03, FV07, FGG04, Ger08, Ger11, GHHL05, Her09, HMW13, HV05, HH06, HK10, HSW14, IK00, KS99, KS00, KR02, Mal07, MN14, PZ03, PW06, RT06, RFB+11, Sch09, SW11, SU14, SKC12, SKR16, Trö05, Wac14, Zie14, Dun93, G9K5b, IK96, RHW93, Ral96, Wri91]. Control-State [Ger08, Ger11, RT06, Trö05].

control-structure [RH93]. Controlled
[Cal05]. Controller [LLS05]. Controllers [RS97]. Conundrum [MRS16].

Converge [Las04]. Convergence
[AA06, Abs05, AHO98, AMHL05, Alv04, Ani05a, AP16, AH16, BCL07, BSV14, BD17, BT14, Bec15, BT00b, Bia16, BF96, BDM09, BT94b, Bol14, BL91, BLY14, BLT17, BS94, BGNW05, CM16, Cha02, CT93, CNQ97, CR97, CW14, CK00, CGST96a, CGST96b, CSV09, CP01a, CY14, DSP10, DHL+99, DY99, Dae02, Dav15b, Dav15a, DV97, DEAM97, DJV06, DLT03, EA99, FIS10, FS12, FG014, FLT02, FGL+02, FR06, GAP08, Ger08, Ger11, Kon14, GT97a, GT97b, GOST01, GR10a, GR10b, GLR15, Gui16, GXZ17, GOP17, HY208, HrD02, HN07, HL14, Hol04, dM08, HLR16, HLY16, HK92, ISU2, JSP99, JW14, KT03, KN05, KFF09, KS14, Kw04, Kw07a, KT04, Kor00, Kuč08a, LY98, LRW98, LPW12, LF01, LN07, LU15, LP15b, LFP17, LMZ15, LW15, LM05, LJ16, LS02, LSZ08, LSL08].

Convergence [MM08, Man91, McK98, McS96, ML05, MÖ10, MM05, MT98, MT99, NT06, NC16, Nem04, NT16, NK10, OR16, PP16, PW17, Pul00, RM06, RHL14, RKG08, ST13, SU15, Sch01, Sch16, Sch96, Sm00, ST14, Sim11, Sol98, SZ08, TY12, TZB16, Teb97, TBW+03, Tor97, WB05a, WB05b, Wal08, WLIW15, WLY16, WCP17, WS11, Wri05, Y995, YF00, Yin99, YN17, YLY16, Zas10, ZW12a, ZC10, ZM06, dF09, dKHL17, BQ95, BKT99a, Boy95, CGST93, EM91, GN92, GHS95, Gur94, Ius91, Kan96, KS91, Kup96, Li93a, LT92, Mon98, Pow95, S92, Tor91, Tse91, Tse92, TM95, ZTD92, ZTP93,
Zha94b, Zhu96]. **Convergent**
[Ani02, BHG07, CH15, CH16, FHIS16, FS05, FQ96, GH16, GR14, GKV03, IS02c, JLLP16, Las06a, LT02, LSW06, MBW09, PNA10, PS98, PS10b, QQ00, SP97, SS00, STY15, Sva02, Tse02, Wat00, WBME14, ZK14, ZL03, ZW12a, ZCT10, BH14b, CH93b, EW94, Li93b, McS94, PY93, ZT93.

**Conversion** [KNP98].

**Convex** [KNP98].

**Convex-Concave** [HM16, Nem04].

**Convex-valued** [GTdS06].

**Convexification** [FS08].

**Convexifying** [KS15].

**Convexity** [AP14, BR07, CHPA16, DLV10, Fay06, GH16, Las09, Lim11, WLZY07, TK96].

**Convexly** [CT03].

**Coordinate** [AB12, BT14, CP15, DLR16, DPW15, FR15, HY15, LLX15, LW15, NC16, Nes12, NS17, ST13, Yun14, Wri12].

**Coordinate-Free** [AB12].

**Coordination** [DMK94].

**Copositive** [BD09, PR07b, dP02].

**Correcting** [ST10].

**Correction** [BJKJ17].

**Corrections** [BDdSM15, ML05].

**Corrector** [DSD12, Gon99, JPS99, KT14, KSS99, KJ17, LMT09, LP06b, LM05, Mia96, MT04, PTZ05, SPT08, Sin11, CLMS03, DL91, LMS92, MS94a, Pot96, TSW96].

**Corrector-Predictor** [LP06b].

**Correlated** [SFP11].

**Correlation** [LdQ11, PM15].

**Corrigendum** [KN04, QW01].

**Cost** [Abs05, AHLN16, BPT97, CHW12, MBW09, Pat98, XLD99, RV93].

**Costs** [ARS07, CCG15].

**Costs-to-Move** [ARS07].

**Coulomb** [BHKO02, BHK+09].

**Counterexample** [GR10c].

**Coupled** [ACS14].

**Coupling** [ACP11a, CC02, GKH94].

**Covariance** [HH96a, Lu09].

**Covariances** [HP07].

**Cover** [WLZY07].

**Covering** [Aus15, BP15, Jan06, Yil06].

**Criteria** [GS01, XB99].

**Critical**

**Crossing** [Mut01, dKP12].

**Crystallography**

**Cubed** [EL14].

**Cubic**

**Curvature** [Zha96].

**Curve**

**Curvilinear** [DOR98, DEG+91].

**Cut**

**Bar96, Lau01, LSW06, LB00, Pfe08, RR08, ZHL03, ZCT10, BH14b, CH93b, EW94, Li93b, McS94, PY93, Zha00, ZWL03, ZFL06, ZN04, ZN07b, ZCTW12, dKL11, dBDH07, AH05, BMR94, BT94a, CH93b, CGST93, FMS94, Gar93, GLW91].
[AHLN16, BHKM14, BM16b, BHK^+09, JJ15, Lev00, Loc15, MRS16, BDM16, Kup96].

**Dimensions**
[HMN10, LRWW98, LPW12, MN09, Zha94a].

**Dini**
[War96].

**Direct**
[AA06, AF01, AD06, ACD08, AJD08, AILT14, CMVV11, DT91, GV14, GRVZ15].

**Direction**
[Bol14, HTY12, HLR16, IY09, JH14, KSS99, LM05, MS13, Sim11, STY15, TY12, TTT98, dPRT01].

**Directional**
[AAI07, AGH10, CGT10b, DPS17, Gfr13, KM09].

**Directionally**
[TZ10].

**Directions**
[AADD09, BPS99, FGM17, KN02, KN04, QWy04, SSK98, Toh00, Mon98].

**Discontinuous**
[MA00, MS06a, AW94].

**Discrete**
[DFR07, FHN09, GHZ99, GdW00, IS02a, KP98, KsdM01, MN09, Mar05, MÖ10, Mur03, RV06, RN98, Sag16, TMHP06, YK10, vdLLT07, And96b, Ra96].

**Discrete-time**
[Ra96].

**Discretizations**
[Che01].

**Discretized**
[ZT98, ZT96].

**Discrimination**
[BM94a].

**Disjunctions**
[MR10].

**Disjunctive**
[Gfr14].

**Dispersion**
[HLTW14, WX16].

**Disposal**
[AT03, AAZ15, BQX15, CLPT06, DPW15, INT15, LH02, MP10, MW97, NY05, PP12].

**Distances**
[BNL^+16, dEH01].

**Distributed**
[BJJKJ17, DW15a, FV07, dM08, HFD16, Id13, IH14, JRJ10, KS12, KNS11, MARS10].

**Distribution**
[BRU97, HP97, Söl98, dKL15, CD92, FM91, FM94a].

**Distributionally**
[CDL14, GXZ17, LMX17, ZXZ16].

**Distributions**
[BCM03, Pf10, vAH14].

**Divergent**
[RZ01, Dogleg [ZK99].

**Dominance**
[CS15, DR03, DRH07, DR14, DW15b, GNS08, HSS17, dM10, Luc08, OR02, RR08, SXM13].

**Dominant**
[BBMW16].

**Double**
[DGN12].

**Douglas**
[BM16a, BD17, BH14a, CM16, Dav15b].

**DQA**
[BMR94].

**Drawings**
[MO06].

**Drops**
[CGTZ14].

**Drum**
[CU99].

**Dual**
[AHO98, And00, BER03, BER04, BF08, Bom15, BH14a, BCI14, CLO14, Chau09, CP01b, CH16, Dav15a, DHLN92, DR13, FK00, FG98, Fre03, FKS02, GG03, GLTP98, GOST01, Gre00, Gu00, HSS17, HIK03, HSW14, JR08, JS00, KK17, KR02, LN14b, LS04, LM006, L16, LSZ98, ML05, MZS08, MS00, MS03, MT99, NO09, NT98, NS14, OP02, Pan05, Pan16, PR02, PS98, Pot08, Qiu08, RVB^+03, Toh00, Tütt03, Wri00, YY03, YT10, dPRT01, AZ05, GT92, Ius91, Mel92, MTT94, MKT95, Mon98, RV93, Wan11, ZTD92, ZT93, ZR93, Zho95, Mon97, Zha98a].

**Dual-Degenerate**
[KJ17].

**Dualities**
[FLN10].

**Duality**
[AAS17, AZ09, AT00, Bac15, BE06, BTT96, BM07, BAC11, Con14, Dax09, FLY11, FBM13, FL16, FMP14, GF08, Gù10, HL08b, HY02, IS02a, J10, Lem98, FLLL09, LP15c, MRS16, RTW97, RR08, SW14, XSLZ11, YWAS17, ACC93, BT96, Tha94].

**Dualization**
[Pen00b].

**Duals**
[BTT96, KKW05].

**Dynamic**
[ASNP16, BG08, BZ08, BHT16, CBJF97, Che01, FV07, HNO15, LdF08, MP07, Pu197, SZ14, Wri01].

**Dynamical**
[AP14, BD17].

**Dynamics**
[GAP08].

**Earliness**
[CKL97].

**Economics**
[vdLTY06].

**Economies**
[JJ15].

**Edge**
[Fle98, ZSY10].

**Edmonds**
[DD15].

**Effective**
[HCH12, Wu96, Lau94].

**Effectively**
[GLTP98].

**Effects**
[Wri01].

**Efficiency**
[Kiw97, Nes12, Qiu08].

**Efficient**
[BER03, BF08, BR08, CC005, GL10, HZ05, HNO15, HSK11, LHO1, LWZ15, LP05, Pyt98, Ren16, Rot09, SSW16, SK06, SKC12, STY16, W08, SS99, XY97, XY00, ZY14, dBD10, And96a, WZ95, YG91].

**Eigenfrequency**
[SKL9a].

**Eigenvalue**
[AINT17, An00, AP08, Men17, Nol98, Ous99, SF95, SW95].

**Eigenvalues**
[AK08, GMO14, SNT116, Ove92].

**Eigenvectors**
[TP16].

**Ekeland**
[LN11b].

**El-Alem**
[EA99].

**Elastic**
Ellipsoid [BDPP14, GLRS15, Gür10, HP09].
Ellipsoids [Ans02, INT15, LH02, LH04, Yil06]. Elliptic [CHW12, CK99, HS11, HR12, RT06, Voi08]. Elliptope [dCST15]. Embedded [GHW08]. Embedding [BQX15, HL08c, Qi16].
Emission [JS00]. Empirical [CGC15, LLX15, PP16]. empty [MS94b].
Enclosing [AY08, Yil08]. Endogenous [RS15]. Energy [Wu96, vAS14].
Engineering [SDGM99]. Enhanced [BOT06, GYZ14, KS10]. Entropic [LX14].
Entropy [BCM03, CS16, SW07, WN16, BL91, BL93, BH95, DHLN92, PY93].
Envelope [JMW08, Wri00]. Envelopes [Loc15, PW16]. Epi [BH14b, MS03, BD02].
Epi-convergent [BH14b]. Epi-Derivatives [MS03]. epi-pointed [BD02].
Epicovergence [CT03]. Epiderivatives [FB03, KM09]. Equalities [DEAW99, Zua03].
Equality [Wu96, vAS14].
Engineering [SDGM99]. Enhanced [BOT06, GYZ14, KS10].
Entropy [BCM03, CS16, SW07, WN16, BL91, BL93, BH95, DHLN92, PY93].
Envelope [JMW08, Wri00]. Envelopes [Loc15, PW16]. Epi [BH14b, MS03, BD02].
Epi-convergent [BH14b]. Epi-Derivatives [MS03]. epi-pointed [BD02].
Epicovergence [CT03]. Epiderivatives [FB03, KM09]. Equalities [DEAW99, Zua03].
Equality [Wu96, vAS14].
Engineering [SDGM99]. Enhanced [BOT06, GYZ14, KS10]. Entropic [LX14].
Entropy [BCM03, CS16, SW07, WN16, BL91, BL93, BH95, DHLN92, PY93].
Envelope [JMW08, Wri00]. Envelopes [Loc15, PW16]. Epi [BH14b, MS03, BD02].
Epi-convergent [BH14b]. Epi-Derivatives [MS03]. epi-pointed [BD02].
Epicovergence [CT03]. Epiderivatives [FB03, KM09]. Equalities [DEAW99, Zua03].
Equality [Wu96, vAS14].
Engineering [SDGM99]. Enhanced [BOT06, GYZ14, KS10]. Entropic [LX14].
Entropy [BCM03, CS16, SW07, WN16, BL91, BL93, BH95, DHLN92, PY93].
Envelope [JMW08, Wri00]. Envelopes [Loc15, PW16]. Epi [BH14b, MS03, BD02].
Epi-convergent [BH14b]. Epi-Derivatives [MS03]. epi-pointed [BD02].
Epicovergence [CT03]. Epiderivatives [FB03, KM09]. Equalities [DEAW99, Zua03].
Equality [Wu96, vAS14].
Engineering [SDGM99]. Enhanced [BOT06, GYZ14, KS10]. Entropic [LX14].
Entropy [BCM03, CS16, SW07, WN16, BL91, BL93, BH95, DHLN92, PY93].
Envelope [JMW08, Wri00]. Envelopes [Loc15, PW16]. Epi [BH14b, MS03, BD02].
Epi-convergent [BH14b]. Epi-Derivatives [MS03]. epi-pointed [BD02].

Explanatory [OF03]. Explicit [AZ08, HW10, KW10, Las02, LT10a, OHF12].
Exploiting [FKMN00, KKW09, CL92, Hen95]. Exploits [HZ16]. Exponential [DT98].
Exposed [NPS10, Ros14]. Exposing [BM94b]. Expressing [FFG99]. Extended [AAS17, Ber96, BA13, CPS07, FLMN10, GMS92, RT05, FHN09, BMR94].
Extending [Zha98a]. Extension [GF08, LL94]. Extending [AG14, Den14, FHN09, VR05].
Exterior [YT10]. EXTRA [SLWY15]. Extragradient [IJOT17, MS10, MS12, MS14, MSS15].
Extrapolation [WCP17]. Extreme [GLdS05, GTdS06]. Extreme [GLY96, HL14, LS98b, DLR14, TZS02, WLWY15].
Extremal [MTZ03, Tha93]. Fast [BC05, CU99, Dai06, DLR16, GM12b, GK94, GVJ06, GL10, GK94, Gro95, BH95].
Faster [AP16, Fle01, Fox95]. Fastest [BDPX09]. Feasibility [AH10, BD17, BF08, BEET12, BCGHO8, CG08, FP98, GLY96, HL14, LS98b, DLR14, TZS02, WLWY15, Gar93].
Feasible [AGJJ00, BDL+16, CLMP10a, CWH06, DGL10, Fli99, FS08, Gon14, GVJS10, GJR08, HR15, JRS10, LT01, Ple08, WY15, WT04, YLQ03, JRW94]. Feedback [AFH+13, RS97]. Fejér [ACS14, CP15].
Fenchel [AAS17, BD02, Boy93, Boy95, BT96, FLY11, GF08, IS02a, LFL10, QQ92]. Fenichel-Type [IS02a]. Fermat [NARS14].
Fiber [ZM06]. Filter [AD04, Ber96, FGL+02, GKV03, GLT04, GST05, GLR14, GLR15, LY11, MU14, RKG08, SS05, SY16, WB05a, WB05b, FLT02].
Filter-Trust-Region [GST05]. Filtering [CK00, LLD+02, GK95a]. Final [BM16b].
Final-State-Dependent [BM16b]. Finance [KB08]. Finding [AO06, BCIH14, DV14, DV16, EGG09, GL10, KL97, Luk08, MSFL17]. Fine [Zen91].
Fine-grain [Zen91]. Finely [ZN98, ZT96]. Finite [BER03, BD17, BDM16, BM16b, CP01b, FG04a, GP04, Gu00, GVJ06, HNM10, HG16, Lev00, LLS06, MNP96, MNP98, PQS01, SV07, WLY16, Wor10, BL93, MN93, Zha94a]. Finite-Dimensional [BM16b, Lev00, BDM16]. Finite-Precision [CP01b, Wor10]. Finely [AKS00, Sab11, ZK14]. Firmly [KL97, KT08, Tse92]. First [AI11, AI12, BT12, CGT12, CB14, CS15, CSV09, DHR07, Gfr11, GL14b, GNS08].
First-Order [AI11, AI12, CGT12, CB14, CS15, GNS08, HN15, HS11, HN04, LS13, LJ16, SS17, SLWY15, WA08, WB16, WY03, YZ16].
First-Order [AI11, AI12, CGT12, CB14, CS15, GNS08, HN15, HS11, LJ16, SLWY15, WA08, WB16, WY03, YZ16]. Fischer [BPC11]. FISTA [AD15, TBZ16]. Fitting [BP12, KSW94]. Fitzpatrick [BBW07]. Fixed [BBW12, BPL12, BLT17, CP15, DFR07, FV07, Fie00, HY08, IY09, Id13, Iof11, KL97, KT08, SL15, ZL01].
Fixed-Point [HY08]. Fixed-Size [FV07]. Fixed-Width [BPL12]. Flow [AHLM16, BPT97, FG04b, LM16, Mcb98, Vit05, Bon97, RV93]. Flows [BC09, Cas00, FFHM06, KS05a]. Follower [HF14]. Following [DNSD13, Fay96, HK09, HSW14, HSK15, HY96, KJ17, LT10b, Lin08, LMO06, LSZ98, Mon97, Sim11, TDK14, Tse97b, ZC02].
AZ05, AB95, Ans96, Gon91b, Gon91a, 
HK06, NN91b, SG94, Zha96, dRV92. Food 
[KSo0]. Forest [Rot09]. Form [FV99]. 
Forms [ZVP06]. formula [Lyc95]. 
Formulæ [vAH14, Fle91]. formulation 
[CDF+94]. Formulations 
[ASZ08, BV10, GACD14, Lu14, Lue08, RR08]. 
Fortified [Tse99]. Fortified-Descent 
[Tse99]. Forward [ACP11a, APR14, AP16, 
AD15, Dav15b, LFP17, VSBV14, CR97]. 
Forward-Backward 
[ACP11a, APR14, AD15, VSBV14]. Forward-Douglas 
[Dav15b]. Foundations 
[DR13]. FPTAS [HNO15]. Fractional 
[GLO8a, Jan06]. Frames [PC03]. 
Framework 
[Aus99, BT12, BY11, FFK00, FH14, GL12, 
GMM17, ND10, Pat98, AW93, FKMN00]. 
Frameworks [IK14]. Frank 
[FGM17, PRS16]. Free [AB12, AB08, AO06, 
AJ09, BTKN299, BLG13, BFMS14, CGT12, 
CWH06, CSV09, CHL16, CNW10, FLLR14, 
GPR02, GL10, HR14a, JJ15, KT14, KNX16, 
LLS06, LL09, LLS10, LLR16, LS02, MW09, 
QQ00, RSS00, hRK14, ST10, SN07, SKL09a, 
SKL09b, WS11, ZCS10]. Frequencies 
[BBF+04]. Friction 
[BHK02, BHK+09, Sta04, GK95b]. 
Frictional [KP98]. Frictionless [TP02]. 
Fritz [BOT06, KS10]. Fromovitz [GVJS10]. Front 
[MGGS09]. Fronts [BK17]. 
Fulkerson [Che05]. Full [HHY15, MRS14, 
MN14, MOS14, MN16, Roo06, Roo15]. 
Full-Newton [Roo06, Roo15]. Fully 
[MARS10]. Function 
[AF01, AIL14, BDM09, CGT11, CL96b, 
DL01, FS97, GV14, Gùli97, GLYZ14, HK06, 
HK09, HN03, JPT13, Kau99, KT14, LSW06, 
LY11, LL09, Men17, MST11, Ous99, PTZ05, 
PW06, SS05, Schön8, Sor97, SW99, SXMW13, 
TF96, Ulb03, WS11, YY03, YZ10, ZZ16, 
FM94b, GLW91, Gon91a, JY94, Luc92, 
MW94, SZ92, See92, Tha93, War96]. 
Functional 
[CHW12, DLV10, Fay96, GNRP16, ILR01]. 
Functionals 
[BH15, Cel07, CKS17, KKS03, Lás17]. 
Functions [Abs05, ABF14, BER04, BDS10, 
BG12, BBW07, BCU00, BM14, BLG13, 
BLDS07, BDL07, BM98a, BM98b, BW05, 
BH14b, CX99, CQT03, CH09, CHY10, CT03, 
CGT16b, DHML01, DS09, DMZ12, Don16, 
DK10, FG04a, FH14, FB03, FGG04, FHN09, 
FSF12, FLT01, Fus14, GN17, GVJ06, 
HLZ08, Har09, HP07, JMW08, JL03, KKS03, 
KM09, Kuč08a, LP10, LSS14, LSS13, LN07, 
LN09, Li10, LN11a, LN11b, Loc15, LPV05, 
MZGS08, MY10, MS00, MS03, MN13, 
MA00, Mur03, NZ01, NY05, ND09, Phu10, 
PW16, PR96, Qi99, RG00, RGY99, DLR14, 
Sch16, See97, Sen07, SVD12, SMG14, SW07, 
TM15, TZ10, WDS14, YZZ17, ZA14, 
ZFL06, ZT98, ZCT10, dBdH07, AW94, 
ACC93, BD02, CT93, GK95a, GLT96, Ll96, 
LS91, Lu95, MLRR93, Mar94, MS94b, 
PRH91, PZ94, ZT96]. Functors [Vd15]. 
Fundamental [HL14, SKL09a]. Further 
[Tse03, WZYB08]. Fused [YLS+15]. fuzzy 
[NT02]. 
Games [ABGJ14, HF14, KS12, MPR10, 
PS11, RS11, vdLTY06]. Gap [AP14, LN09, 
Nes05, XSLZ11, YWAS17, Tha94]. Gaps 
[GSZ14]. Gateaux [Jey91]. Gauge 
[FMP14, Lim11]. Gauss 
[Bel94, FGO14, GLN07, LN07, LWZ15, 
SW99, ZC10, dPRT01]. Gaussian 
[GK99, HTY12, SFP11, vAH14]. 
Gaussian-Like [vAH14]. General 
[ABMS08, AZ08, BKT99b, Cmy15, CC02, 
CGST96a, CSV09, DEAM97, DS12, FGL+02, 
GVJS10, KRO2, LTO2, LY07, Pul07, Pul00, 
RT05, Ren16, Tse99, Wri00, YnZS15, YN17, 
Eck94, NS91, ZTP93, FKMN00]. general-purpose [NS91]. Generalization 
[MN09, SVD14]. Generalizations 
[AHFH16, Don12]. Generalized 
[INT17, AF01, AD03, BDS10, BNL+16, 

BDMS09, BI98, CDL16, CY14, DJS13, FK10, FS17, FB00, Fra02, Gfr14, GJR08, HSK15, HY06, JFQS98, JS11, KS16a, KKW05, LZ13, LN09, LRX14, MN96, MA00, NARS14, Pen00b, PQS01, PW06, PR96, QY14, RPK03, SNTI16, VR05, WA15, YZZ97, ZFL06, ZN07b, ZN10, ZZ16, dEH01, DFKS11, TK96, Tre95. Generate [BKR17].

Generated [Fay02, FG04a]. Generating [BTT96, BGP09, Boy93, DD98, KLT07, Lov11, LPV05, MP14b]. Generation [LS98b, RADK05, RR08, Mit94, Ye92]. Generic [DIL16, GL12, JS97, Lev04, PW16, SS15, Zas00, JSV91]. Genuine [YF00]. Geolocation [RM08]. Geometric [DSP10, GM12a, GLY12, GYZ14, HL08b, IdW16, SH15, JSC95]. Geometry [ANRV04, AL14, BO17, BWW12, CM10, Fre03, Las09, MW97, Pen00a, RFB11, ST10]. Given [HP07]. Global [AKS00, AN05a, BBV05, BT00a, CKS15, CX99, CC99, CGST93, CSV09, CR04, DY99, DEAM97, EA99, FLT02, FGL+02, Ger08, Ger11, GN92, GR10a, GS07, GH15, HP09, HL98, Hu07, HMP+08, ISU12, JLL09, JLLP16, JSC95, JL05, Kan96, Las01, LL00, LS13, LF01, Li10, LP15b, LMZ15, Lov11, LS02, LSL08, MS11a, MT98, MW97, NLZ10, Nga15, QWY04, Rag13, RKG08, Sch06, SK06, SK98, TWB+03, TM95, VS08, Vui14, WB05b, WS11, Wu96, XB09, Ynf09, Zha00, ZC10, And96b, BKT99a, BD93, GIJT96, Hen05, RS94, RD95, Ser95] Globalization [MU14].

Globally [CH16, EWH9, FHS16, FS05, FQ96, GR14, GKV03, LT02, QQ00, SS00, Sva02, Wat00, WBME14, ZL03, CH93b, LI93b]. GMRES [FP97, SAW99]. Gomory [AL14]. Good [LL00]. Goodness [Che01]. Governed [Voi08]. GPS [BP12]. Gradient [AT06, Bac15, BC09, BPS15, Ber97, BT00b, BMR00, BHG07, BS17, BLO05, DHL+99, DY99, DK13, GH16, GOP17, HZ05, HZ14, Har14, HR12, HR14b, HU17, HY15, IY09, JST12, Kiw07a, Kiw10, LZ16, LLX15, Mal15, MS00, MS03, NYF11, Pat16, PW05, QQS03, Ray97, Ren96, SW11, Sch06, SFP11, Tse98, WCP17, XZ14a, XZ14b, XY15, YLY16, Yun14, ZC09, dA08, vAH14, GN92, IKR+91, LT93, Ort91, Tre95, Tse91, ZL93]. Gradient-Type [HR14b].

gained [DMK+94]. Gram [CWY11]. Graph [GR14, GSZ14, GL08b, LP15a, PVZ07a, PR07b, SM99, SL14, dP02, MOT95, PR95].


Hierarchy [KTT15, dKL11]. High [BGM+16, Lin08]. High-Order [BGM+16, Lin08]. Higher [CLMS93, MN09]. Higher-order [CLMS93].
Hilbert [Alv04, BI98, DLW99, F108, IK96, KS91, Kup96, LN02, Lj02, Luk08, RW16, Sha94, WyW04, Zas10]. Hoffman [AC02, BT96, LL94, Zua03]. Hold [CU99]. Hölder [GN17, LM12, ZN15]. Hölderian [MN14, Vui14]. Homogeneous [And00, Chu03, HLNZ08, LSTZ07, NV99, Yos07]. Homotopies [GLM98, Wat00]. Homotopy [Bil02, BW02, SAW99, WBME14, XZ14a, IKR91, Naz91, RHW93]. Homotopy-Based [Bil02]. Horizon [BZ08, HG16]. Horizontal [Pot14, Zha94b]. Hot [JKW15]. Hot-Starts [JKW15]. HPE [AMS16, GMM17, HM16]. HPE-Type [AMS16, HM16]. Huber [LS98a]. Huge [Nes12, NS14]. huge-scale [Nes12, NS14]. Hull [DLW99, LRO05, LW08, SPW15]. Hulls [HN09]. Human [SBD+11]. Hybrid [Alv04, MS10, MS14, MS15, NT06, ZC10]. Hyperbolicity [NT16]. Hypercube [Mar05, dKL10]. Hypergeometric [dKLS15]. Hypergraph [HL08c]. Hyperpath [DP00]. Hypersurfaces [YmZS15]. idea [SZ92]. Ideals [GPT10]. Identically [dM08]. Identification [AY08, FFK98a, FFK00, LT0a, LFP17, OW06, TW14, KSW94]. Identifying [DSS09, LW11b]. II [AW93, CLMP10b, Fre95, GL14a, GLT97, Gon91b]. Ill [Ver96, Wri98]. Ill-Conditioning [Wri98]. Ill-posedness [Ver96]. Image [BC05, JS00, PR07a]. Images [GdW00, MHL15]. Impact [MCL10, Dix91]. Imperfect [JS16]. Implementable [FT02, FT07]. Implementation [LPN98, M09, PRR97, XS99, Meh92, RV93, YG91]. Implementations [SAW99]. implementing [LMS92]. Implications [MS14]. Implicit [CK00, GAP08, GO16, Xu06, GK95a]. Improved [AMS16, Ans02, DK13, DL01, GMM17, HL08c, KS10, Ric11, Roo15, dKP12, dKL17]. Improvement [CHLZ12, LUZ15, OR16]. Improving [CT12]. IMRO [KV17]. In-Face [FGM17]. Including [FK00, ISU12, Kiw07b]. Inclusion [CT13, MS12]. Inclusions [ACN15, ACS14, AMS16, BCL07, BH14a, BAC11, CDL16, Com14, DR01, KRT07, Lev04, Mor07, RW16]. inclusive [WZ95]. Incoherence [CSPW11]. Incomplete [TY11, MP95]. Inconsistent [KCS97]. Incorporating [Ren95, VD06]. Incremental [Ber96, Ber97, BHG07, G017, IH14, JRJ10, Kiw04, Mai15, NB01, ND10, NV09, Tse98]. Indefinite [HLNZ08, LST16, SW95, ZX99]. Independence [Pf10, Hei93]. indices [CH94]. Induced [GNS08]. Induction [KKT15]. Inequalities [AM00, ACP11a, ACL99, AC02, Bar96, BTN02, BP05, CHS06, CWZ12, CW14, CSW12, CK99, CH15, DG09, DAw99, DLV10, DR96, FFK98b, HN10, HNE16, HR12, HR14b, Hu07, HY16, JOT17, KR11, KK05, Li97, LNS00, LN05a, Lu14, MSFL17, Mal15, MZ98, MS11c, MS12, MS15, MO07b, Nem04, NV99, PzV07b, Rob07, SSN04, Stu00, Tse97a, WyW04, YL11, ZN04, ZN05, ZW12b, ZM96, Zua03, MZ00]. Inequality [AT00, BT04, BDL07, BI98, BD10, CLMP10a, Ceg15, CMY15, Ded00, Den97, DK10, FM97, FHN09, HMK11, JLL09, LN02, LNP08, LN09, LN14a, LL09, LB00, MP97, NY02, NTA04, Q99, QQ00, RG00, RN98, SU14, SU15, S98, SW99, TF96, TAW06, YLQ03, Ye00, ZL01, BCT93, GLT97, LT92, Out94, Rot92, TK96]. Inequality-Constrained [FM97, RN98]. Inertial [Alv04, APR14, CMY15, MM08]. Inexact [BLPP16, BFS14, BD10, BNC08, CJRW14, CH16, DNSD13, FS12, G04, H01, HZ06b, IPS03, IS10, JST12, Kor00, OSS11, PLS08, SOT09, STY16, TDKC14, VSBV14, Wal08, ZPR00, ZU11, Zie14, vAS14, CGST93, EW94, Man91, Zhu96].
Infeasibility
[And00, BG08, BCW14, BCN10]. Infeasible
[GR10c, Kor00, KR03, LMO06, Mia96, MKT95, Pen00a, PS97, PS98, Ran06, Roo06, Roo15, SS05, SP97, Sim11, SS97, Tse97b, Tse02, BF96, Fre95, MW96, Pot96, Wri95, Zha94b]. Infeasible-Interior-Point
[Kor00, PS97, PS98, Ran06, SP97, SS97, MKT95, MW96, Pot96]. Inferred
[BCM03].
Infinite
[BHKM14, BZ08, BHT16, BK10, CLPT99, CKLP07, CLMP10a, CLMP10b, DW10, FLN10, FS08, GJLP14, GVJS10, Gür10, HW10, HNN10, HLL98, Jey03, JJ15, JS97, JS11, Kan14, LS00, LN05a, LN05b, LP07, LN14b, LFW98, LW08, MRS16, MP14a, MLBB08, OHF12, PQS01, ST09, WY15, ZWL10, CKL14, CHY10, GHS95, Gro95, HRVW96, JS95, JY94].
Infinite-Dimensional
[MRS16, Kup96].
Infinite-Horizon
[BZ08].
infinity
[AB95].
infinity-norm
[AB95].
Information
[BCNN11, GSG12, JS16, RP12, Ser95].
Inscribed
[Ans02].
Insensitivity
[Pat16].
Installation
[SCRS00].
Instance
[AADD09].
Instationary
[HH06].
Integer
[AH10, AW09, BZ04, BEET12, BM10, BDPP14, BHS15, BDL14, BV06, CF01, DO06, DHL15, Din98, GNS08, GNL11, GACD14, HAN11, LSW06, LU97, MR10, MW06, RDV12, RvdVH15, RSvdVH16, Sch96, ST03, ZK14, Boy95, Eck94].
Integer-Linear
[DHL15].
Integral
[FGM12, LRP16, Zha96].
Integrity
[GSZ14, DLR14].
Integrated
[LL00].
Integration
[BD02].
Interconnecting
[XLD99].
Interior
[AY08, Ali95, AHO98, AB08, AGJJ00, AT06, BER03, BER04, BHHK00, BCW08, BP97, BHN99, Cas00, CM11, Ch09, CO12a, DT98, EAV10, FKK00, FM03, FG98, FGG07, FKS02, GLY96, GS98, GG03, GG08, Gon14, GLTP98, GLHZ11, GOST01, GMO14, GK96, Gu00, GR10c, IS10, JKZ98, JR10, KSH97, KSS99, Kor00, KU15, LM02, LR10, LLCN06, LT10b, LS04, LM05, LY07, McS96, ML05, MÖ07a, MÖ09, Mia96, Mit00, MT03, MOT04, NS98, NT98, NT16, NWW09, PC08, PRT02, PS97, PS98, Pot08, PS10b, Pot14, RB05, Ran06, Roo06, Roo15, SOT09, Sch98, SP97, SSK98, Sim11, SS97, SS98, TWB10, Tse02, Tse02, Wri98, GRO95, HRVW96, JS95, JY94].
Interpolation
[KKM93, LMS92, McS94, Mch92, Mit94, MTT94, MKT95, MW96, NN91b, Pot96, SM91, SG94, TZZSW96, Tod92, Wri92, ZTD92, ZTP93, ZT93, Zha94b, ZL03].
Interior-Point
[AHO98, AB08, BER03, BER04, Cas00, Chu09, CO12a, EAV10, FKK00, FM03, FKS02, GLTP98, GLHZ11, GMO14, Gu00, GR10c, IS10, JKZ98, KSH97, KSS99, LR10, LS04, LM05, LY07, McS96, ML05, Mia96, MT03, MOT04, NS98, NT98, NT16, PRT02, Roo06, Roo15, SOT09, SSK98, TWB10, Tse02, Wri99, Wri01, Y003, YT02, YW02, Yos07, Zha98a, Zha98b, dKv16, BF96, CLMS93, CL96a, Gro95, HRVW96, JS95, JY94].
intersection
[KKM93, LMS92, McS94, Mch92, Mit94, MTT94, MKT95, MW96, NN91b, Pot96, SM91, SG94, TZZSW96, Tod92, Wri92, ZTD92, ZTP93, ZT93, Zha94b, ZL03].
Integers
[BP07].
Interpretation
[CRY99, DQQY02].
Interpretations
[Hen15, JSC95, Lag93].
Intersecting
[BM16a].
Intersection
[DD98, DLW99, LH04].
Interval
[BN02, MS11a].
Intervals
[Lu14].
invariance
[GHRT98].
Invariant
[BM07, Sen07].
Inverse
[BSR17, BH15, FKP10, HH96a, IK92].
Inverses
[CNQ97].
Inversion
[BLMH06].
Investigation
[LM16].
Investment
[RS15].
Invitation
[Iof09].
Involving
[Jey03, Ni05, WJ00, GIJT96].
Irreducible
[HL02].
Isoda
[HSK15].
Isoda-Based
[HSK15].
Isolated
[DSZ17].
Isotone
[LU97].
Issue
[DR07].
Issues
[FP98, GR10b].
ISTA
Iterated [AL14, Bel94]. Iterates [Abs05, MS10, Man91]. Iterating [BC03].
Iteration [AZ05, AMS16, GMM17, HY15, HY96, LT10b, MT04, MS12, MS13, Pot14, XY15, Yun14, GT92, McS94].
Iteration-Complexity [AMS16, GMM17, MT04, MS12, MS13].
Iterations [BLT17, CP15, DFR07, Ans91].
Iterative [BTC08, BCWW15, Ceg15, CH02, EGG09, FGG07, HN07, Iid12, KS12, KRS11, LMO06, Toh03, ZM96, Kan96].
Iteratively [Bec15, BDMS09, FRW11].
Local-Nonglobal \cite{For05}. Localization \cite{BTC08, BP12, CJSY07, KKW09, KW10, Tse07, WZYB08, ZSY10}. Localized \cite{RW16}. Locally \cite{FLY11, LPR00, LFLL09, MOS14, QQ00, Qi16, ZL03, PHR91}. Locating \cite{Lin08, ZL02}. Location \cite{TMHP06}. Loewner \cite{BBW17}. Log \cite{WST10, YST14, Pow95}. Log-Determinant \cite{WST10, YST14}. Logarithmic \cite{JR10, TY12, GLW91, MW94}. Logarithmic-Quadratic \cite{TY12}. Lojasiewicz \cite{SU15, BDL07}. Long \cite{SZ98, Ans96, TM95, dRV92}. Long-Step \cite{SZ98, TM95, dRV92}. Look \cite{HN05, Las11, LV08, Pat17}. Lorentz \cite{Sen07}. Loss \cite{DJV06}. Lovász \cite{Che05, Lau01}. Low \cite{BDdSM15, DV16, FGM17, JBAS10, LWZ15, MMBS14, SU15, TY11, Van14, FRW11, LdQ11, MSFL17, MMBS14, SU15, TY11, Van14, GMS92, Tod92}. low-connectivity \cite{GMS92}. Low-Rank \cite{BDdSM15, DV16, FGM17, JBAS10, LWZ15, MMBS14, SU15, TY11, Van14, FRW11, LdQ11, MSFL17}. Lower \cite{ABMS08, BDM16, BM16b, CH13, DLV10, FL98, GM12a, GL08a, IdW16, Jan04, NZ01, PZ98, PRR97, dKP12, MLRR93}. Lower-Level \cite{ABMS08}. LP \cite{FHIS16, Fle98, Las04, LT96}. LP-Relaxations \cite{Las04}. LQP \cite{YL11}. LQP-Based \cite{YL11}. Lyapunov \cite{CP01b}. Mathematical \cite{Ani05b, Bon97, CJK98, CP01b, KB08, Mai15}. Machines \cite{BCNN11, CKL97, CJK98, CP01b, KB08, Mai15}. Majorant \cite{FGO14}. Majorizarion \cite{Mai15}. Majorization-Minimization \cite{Mai15}. Majorized \cite{LST16, Majorizing [LNT07]. Mangasarian \cite{CX99, GVJS10}. Manhattan \cite{MP10}. Manifold \cite{HSS93, LMW16, SH15}. Manifolds \cite{AM12, HU17, LMWY11, RW12, WLYY15, WLYY16}. manufacturing \cite{AEGS93}. Many \cite{Sab11, TAW06, XLD99, ZT98, GK95a, GK94, ZT96}. Map \cite{HY16, LM04, Lu14, Gow92}. Mapping \cite{FPK10, HV05, IY09, TY04, GLT97}. Mappings \cite{CH17, DPS17, EL09, Fay06, Gfr11, GJTS06, KL97, KT08, LW08, LSZ04, NT06, Sab11, SY13, ZL01, Tse92}. Maps \cite{AGH10, AG14, LPT07, NZ16}. Marginal \cite{CHY10, Las10, War96}. Marginals \cite{HP07}. Markov \cite{AH16, BDPX09, GS01, HG16}. Marquardt \cite{Kiwi06}. Mass \cite{GHGHL06, MRT15}. Massive \cite{FM03}. Massively \cite{ZF91}. Matching \cite{MP14b, Bar93, Gro95, Ri94}. Matchings \cite{HL08a, HL11}. Material \cite{BTKNZ09, KNX16, SKL09a, SKL09b}. Matrices \cite{BG+12, Sta99}. Material \cite{ABMS08, BDM16, BM16b, CH13, DLV10, FL98, GM12a, GL08a, IdW16, Jan04, NZ01, PZ98, PRR97, dKP12, MLRR93}. Matrix \cite{AM12, BBN14, BQX15, Bec07, BTN02, BB15, CCS10, CHS06, DPW15, FBM15, FP98, FT02, FT07, Gfr13, Gfr14, CY17, GLY12, GYZ14, GLYZ14, GXZ17, HK09, HS11, IK16, IS08, JR00, JRS10, KDB09, KS10, KS14, LLCN06, LXL11, LX14, MX06, MN14, RB05, Sch01, SU10, Voi08, WJ00, Xu06, YZ16]. Matrices \cite{AT03, BFM98, Bur03, CMS06, DPW15, G014, J015, J016, J16, JBAS10, KSH97, KT00, Lin11, MP10, NZ16, SPW15, SU15, SH15, TY11, Fle95, JYZ94, Lew96, LS91, Van95]. Matrix \cite{AM12, BBN14, BQX15, Bec07, BTN02, BB15, CCS10, CHS06, CSPW11, CY00, DZ07, FC07, FRW11, FGM17, GV15, GO12, HH96a, HRE14a, HNE16, LdQ11, LWZ15, MSFL17, MN96, MOT04, MPR10, NTA04, PS97, Qi16, RFNP14, RSS00, STKI17, SH13, See97, Stu00, SQ04, iT17, Van14, Vav10, ZY14, FKMN00, Gur94, KK92, L93a, LT92, Man91]. Matrix-Free \cite{CNW10, HR14a, RSS00]. Max
Max-Cut [Lau01, BMZ01].
Max-Min [GKPV01, KNP98].
Maximal [ABT00, Alv04, BGW07, BCH14, Pen00b, Sab11, MOT95, ZT92].
Maximality [CM10].
Maximally [IPRT00].
Maximin [WX16].
Maximization [DZ07, DHLN92, FM94b, GMR91].
Maximum [Ans02, BCM03, CHLZ12, HL11, LUZ15, Lim11, MPB02, Ous99, Pfe08, SW07, WN16, ZG03, BL93].
Maximum-Entropy [SW07].
Maximum-Volume [Lim11].
Maxmin [HLTW14].
McCormick-Based [MCB09].
McCormick-Based [MCB09].
Measurable [PZ00].
Measure [EF02, MPR10, NF01].
Measurements [SDGM99].
Measurability [CCL09].
Median [CCFP05, Cap14].
Mehrotra-Type [SPT08].
Mehrotra [SPT08].
Mehrotra [SPT08].
Memory [GL03, GST11, HZ14, KON98, MN00, NN91a, ZN93].
Merit [FS97, GV14, SW99, TF96].
Merrill [YG91].
Mesh [AA06, AD06, ACD08, ADJ08, AILT14, He93].
Metal [FGM12].
Metamodeling [HPD14].
Metamodeling-Based [HPD14].
Method [ACN15, AZ05, AD10, Ans98, ANP08, ACFG14, AP16, AD04, AST10, Ans15, AI11, AI12, BBN14, BER03, BCL07, BJK17, BC05, BBT12, BPS15, BTMN01, BPT97, BHG07, Bol14, BH14a, BSR17, BDL+16, BFMS14, BKS16, BK10, BKS96, BCN08, BHNS16, Ceg15, CNQ97, CX99, CC99, CWH06, CNY14, CY10, Chu16, CL96b, CO12a, Cru14, DSP10, DLY99, DD98, DJV06, DNSD13, DT98, DQVY02, DLR17, Eic09, EL10, EI06, EN14, EG10, FP97, FG104, FS17, FHIS16, Fle98, Fle14, FDS09, FV16, FS08, FGM17, FS05, FLT03, Ger08, Ger11, GR14, GLY96, GV00, GL15, GG03, Gon14, GKV03, GLHZ11, GLRT99, GST05, GR10a, GR10b, GLR14, GLR15, GKG6, GR10c, HCH12, Hz05, HZ14, HS10, HN05, HYF05, HTY12, HLWY14, HHY15, HR14a, HR00, HK03, HMM10].
Methodology [HYZ08].
Methods [Abs05, ANRV04, AHO98, AMS16, ABMS08, AB08, ACP11b, Ans99, AT00, AT06, Bac15, BSV14, BT12, BT14, BTZ97, BHHK00, Ber96, Ber97, B03, BC14, BM00, BGP09,
Methods [LLS10, LZ14, LJ16, LRR98, LS02, LSL08, MM08, MPRW09, Mal15, MS11a, MÖ07a, MZ99, MSQ98, MB14, MOT04, MS11c, MS14, NB01, NO09, NT98, NV99, Nes12, NT16, ND10, NW12, NW09, OSS11, PRT02, Pot08, PS10b, Pot14, QW00, QW01, QQS03, RKL94, RKL96, Kan96, KS93, Kiw96, Kup96, LN93, LP93, MS94a, Mel96, RH93, RD95, Sar95, SC91, WZ95, Zha94b, Zha96, ZNB+93]. Metric [AAI07, BLPP16, CKLP07, CCFP05, DL13, Fus14, Gfr11, Gfr13, KKO2, Li97, LM12, MRT15, MPR10, NT08, PLS08, ZN04, ZN07b, ZN10, ZN14a, ZZ16, Dav91, Dixo91, Sha94, ZN15]. Metrics [SSW16]. MILP [GACD14]. Min [CGC15, GKPV01, KN98, MN09, PQS01, RPK03, RN98]. Min-Max [CGC15, PQS01, RPK03]. Minima [DY04, KK02, Lev00, LMWY11, ZY07, GK95a]. Minimal [CBJF97, MM05]. Minimax [KB08, LÁ97, LSS06, QZ08, SA04, ZT98, CL92, ZT96]. Minimization [AAJN16, AGJ00, AFS14, Att96, ARS07, APR14, Aus10, AST10, BTC08, BBTT12, Bec15, BDPP14, Cab05, CGT11, CGT12, CW12, Che15, CP08, CGST96b, DK10, EG10, FRW11, FM97, FQ06, FLT03, GPR02, HYZ08, HK06, HR12, KKS03, KL10, Kiw97, LW11a, LTLY12, LT99, LT00, LT10a, LAX15, Mas15, MST11, Mut01, MW06, NC16, Nes05, PHR91, PY97, QWY04, Ray79, RHL14, Ric11, Sch16, ST14, SV07, Sol07, Sor97, TDKC14, Tse02, WPC17, YZ03, ZX99, ZCS10, ZL12, dKL10, BT94a, CT93, CL96a, Dav91, FMS94, Gil92, LT93, TK96, TYP96, Vav93, Zhu96]. Minimize [CKL97]. Minimizer [For05]. Minimizers [CGTZ14, PW16, YZZ17, ZN15, Mar94]. Minimizing [BCU00, CWY11, CL96b, DIL16, FGG04, FHN09, GHR14, GN17, Hag01, HNP00, Kuč08a, LRO05, LSS14, ND09, Phu10, QZ00, XY97, XY00, YZ13, And96a, SZ92]. Minimum [AY08, AHLN16, Dax09, HG16, JPT13, MBW09, PR08, XLD99, Yil06, Yil08, GIJT96, RV93, War92]. Minimum-Concave-Cost [AHLN16]. minimum-cost [RV93]. Minkowski [LZH14]. MINLPs [WA15]. MIPs [DW10]. MIQP [FL98]. Mirror [BBN14, BTMN01, DL15, DAJJ12, NL14]. Mirror-Descent [NL14]. Mirror-Prox [BBN14]. Mixed [AW09, AD00, Bi02, BW02, BEET12, BJS07, BDL+16, CF01, CM95, DIS04, GNS08, GNL11, GACD14, HAN11, Jan06, Kan14, LPS05, RDV12, RSvdVH16, ST03, SKR16, Tr05, Ulb01, XHL14, Zas13, Boy95, Eck94]. Mixed-Integer [AW09, BDL+16, GNS08, GNL11, HAN11, RDV12, RSvdVH16, ST03, Boy95]. Mixing [BDP09, DG09, DW11]. Mixtures
DZ14, Gfr07, HN09, MM11, Sta92, XY10, YZZ97, Ye00, YZ10, Zhu02, NT02, War92.

Neighborhood
[Got99, LT10b, LP06b, Pot14].

Neighborhoods
[AZ05, HY96, Zha08b].

Nelder
[Kel99, LRWW98, LPW12, McK98].

Nested
[BH96, Pfl10, VJM16].

Nelder
[Kel99, LRWW98, LPW12, McK98].

Nested
[BH96, Pfl10, VJM16].

Nesterov
[AP16, NARS14, TTT98].

Network
[Bar96, BPT97, BRU97, CJSY07, Cas00, FG04b, Iid12, KKW09, KW10, LM16, MBW09, PW05, Pul97, Rag13, SCRS00, SK98, Tse07, WZYB08, XLD99, ZZ96, ZSY10, Sar95].

Networked
[Iid13, JRJ10].

Networks
[BPS06, FHKM06, LdF08, Wen97, Bon97, GMS92, RV93].

Neumann
[PRS16].

Newton
[Ger11, WST10, ACN15, Ad96a, BS15, BJKJ17, Be94, BS94, BK10, BLN92, BNS16, CTT98, CNY14, CH15, CL96b, DIS04, Dix91, DQQY02, EW94, EM01, FJS98, FLP02, FG04, FS17, FHS16, Fle91, FDS09, FM97, Geo08, GII97, GL01, GW93, GN17, GLN07, HN05, HK03, HH06, HGA15, IdW16, IK00, ISO4, ISO8, KN05, KFF09, KV17, Kau99, KTX08, LW93, Lau00, LSS14, LS93, LN07, LDQ11, LM09, LW08, LW15, LRR98, MSQ98, MU14, MP99, MS12, MN00, NN19a, NLO06, PW17, Qn99, QZ00, Ruo06, Ruo15, Sch08, SS00, Sta04, SH97, SK98, SW99, SSO4, TSSW96, ULB03, WN16, WMGL17, Wro95, XZ99, ZA14, ZST10, ZC10, ZNB+93, dPRT01].

Newton-CG
[WST10, ZST10].

Newton-like
[BJKJ17, Newton-Type].

Newtonian
[IS04, KN05, LSS14, NLQT06, SS00, HH06].

Newtonian
[IS04, KN05, LSS14, NLQT06, SS00, HH06].

Nikaido
[HSK15].

NL
[Fle12, LXL11].

no
[MZ00, QQW1, ZT98].

Non
[AF01, N098, TY11].

Non-Euclidean
[GMM17].

non-Gaussian
[GK99].

Non-Lipschitz
[CLP16, NT02].

Non-Lipschitzian
[BC14, ZCT10, War96].

Non-Zenoneness
[She14].

Nonasymptotic
[ST13].

Noncoercive
[FB00].

Noncommuting
[KP12, PNA10].

Noncompact
[GW15, VS10].

Nonconvex
[AP08, AFS14, Aus15, BE06, BM14, Bou16, BDPP14, BL09, BLO05, CT10a, CT11, CT12, CO12b, DON16, FIO08, FO03, FBM13, FM15, FG98, FG04, GL14b, GNRT16, HAO9, HS10, HL14, HL16, Id12, JJJ, KM09, Kas10, Kiw07a, Kiw10, KT00, KRT07, LMT16, LFO1, LN02, LP15b, uDR15, MN13, PS11, SBT16, SL05, Teo03, WMGL17, WCP17, WLZ07, XLSZ11, XY15, ZN10, Kiw96, TST94, Tre95, HFD16].

Noncooperative
[vdLY06].

Nondegeneracy
[BS98, CS08b].

Nondegenerate
[MSQ18, BK10].

Nonderivative
[Kiw10].

Nondifferentiable
[MSQ18, Ye04, Kiw96].

Nonempty
[BP07].

Nonexpansive
[Ceg15, IY09, KL97, KT08, NT06, SY13, Tse92].

Nonexpansive-Type
[KT08].

Nonglobal
[For05].

Nonindependent
[tM08].

Noninterior
[CX09, C93].

Nonlinear
[AFS01, An00, An02, An05b, AD04, AJ09, Aus15, BE14, BH03, BPC11, GM+16, BKT99b, BN99, CGT10, CT14, CH97, CX99, CW06, CY99, CY10, CV99, CR04, CJMW14, DL+99, DY99, DK13, D98, DEW09, DSD12, FS07, FJS08, FP97, FGL+02, FG08, FS05, FS12, FUS14, GLM98, Gfr07, GM15, GV03, GOST01, GL35, GLR14, GLN07, GST08, GN11, GS97, GI14, HH96a, HZ06b, HY02, JR00, KP99, KF09, Kas10, KKT15, KS05, Ko05, LPT07, LAS02, LM02, LS06, LST03, LS04, LY11, LL09, LS10, Mal07, Mat05, MS11b, MG98, NW09, OW06, Pat98, Pyt98, Rag13, RKO08, RM08, SD00, SW11, SL14, SS00, TWB+03, ULB01, VOO8, WB05a, WB05b, Wat00, WG10, Wri98, Wri01, Wri05, YY03, YT10, YH01, Yos07, ZA14, ZCD00].

Nonlinear
Nonlinearly [LJ02, Sta99, GR94].
NonLipschitz [CNY14].
Nonmonotone [AFFG14, BMR00, GLR15, LN09, Ulb01, ZH04].
Nonmonotonic [EA95].
Nonnegative [CHLZ17, GV15, Las05, Las06b, LSZ04, RV06, Vav10, ZCTW12].
Nonnegativity [Las11].
Nonpolyhedral [PR95].
Nonsingular [BM07].
Nonsingularity [BPC11, CS08b].
Nonsmooth [AFS14, ACL99, BW02, BDL07, BLPP16, BLO05, BK10, CD00, CNq97, CQT03, CO12b, DL15, DSS09, DZ14, EW09, FLLR14, FH14, FGG04, FKP10, FQ96, GAP08, Ger08, Ger11, Gfr13, Hab98, HU17, HNP00, JL03, JY04, JS11, Kan14, KN05, Kiw07a, Kiw08, Kiw10, LN09, LRL16, MX06, NARS14, Nes05, Pq09, PR96, PC03, RS11, Rhl14, So05, Sen07, So097, SSQ04, WJ00, WCP17, XY15, Jey91, Pan94, Q95, SZ92, Sta92, GJV16].
Nonsmoothness [Lew02].
Nonstationary [GS01, Mk98].
Nonsymmetric [BP99, DZ07, OL95, SW95].
Norm [Dax09, DV14, DV16, Lin08, MMB14, PTJY10, WDST14, ZL02, AB95, Hei93, JLW16].
Normal [AH05, CH17, DD98, LN14b, Lu14, MOT04, QWY04, ZL01, ZW12a, ZN14b].
Normal-Boundary [DD98].
Normed [LN05b, LNP07, ZN01].
Norms [QZ00, Sch12, XY97, XY00, And96a].
Note [AW00, Be16, LM05, WD05, SM93].
Notion [Chu06].
Notions [HL14].
Nuclear [DV14].
Null [BM98b].
Number [AB12, Ailt14, Cwy11, Cch05, CCP08, GL08a, GL08b, OHF12, PVZ07a, YZ13, Zol03, dP02].
Numbers [AL14, MY09, Ren96, dKP12].
Numerical [AHO98, AFGG11, BV10, FL98, GLR15, Har14, HKK11, KN02, KN04, LP93, RFB+11, ZG03, ZNB+93, NN91a, SZ92].
Objective [AZS08, HL08b, KT14, LSW06, RP12, TM15, ZT98, AW94, MTT94, RHW93, ZT96].
Objective-Function-Free [KT14].
objectives [CLMS93].
Observations [PP16, TY11].
Obstacle [HKK11, Wac14].
Off [WLZ98].
One [BW02, BR08, BKS96, DV14, JRW94, JS97, RW16, Wat00, WBN14, XL09, Bos93, KBS93, WA15].
One-Parametric [JS97, JRW94].
One-Sided [RW16].
Online [GH16, SY13].
oonto [HZ16].
Openness [DS12].
Operating [GLM98].
Operations [An99, BP15].
Operator [AH05, BGW07, GL08b, SU14, Ulb03, MOT95].
Operators [Alv04, BMMW16, BBW07, BZ04, BW07, BH14a, Bch14, Ceg15, Nen04, Wan11, CH94].
Optical [ZM06].
Optim [MZ00, QW01, ZT98].
Optima [MM11].
Optimal [AO06, BDM16, BM16b, BHHK00, BP05, BBV02, BPS06, Cal07, CT12, CD92, CLO14, CF99, DK13, DK10, Fie00, Ger08, Ger11, GL12, GL14a, Gk99, GKR14, HTT+15, Her09, HMW13, HV05, HSW14, IK00, JKR98, KS00, KU15, KR02, Lao00, LPR00, Lin11, Mal07, MRT15, MCL10, MN14, MOS14, OR16, PQ03, RS97, RT06, RFb+11, Sch09, SW11, SU14, SKC12, Sdm00, Sta99, TM15, TW14, Wac14, BTB93, Bon97, Dun93, Fle95, GHRM98, MS94b, RA96, WR91].
Optimality [AAS17, AMS10, Aus10, BT04, BT00a, BE14, BCS99, BH96, CLMP10b, CT02, Cdirt08, CHW12, CNY14, Che15, DZ14, DMM06, EW09, FS12, Gfr13, Gfr14, GYZ14, GJ06, Hsi11, JLD03, LP06a, MY10, MOC15, Nms05, PY07, RT06, SN07, SKR16, XY10, YZ97, Ye99, Ye00, Yz10, Yz16, ZN11, Di96, GIJT96, JSC95, NT02, Sta92].
Optimization [ABT00, AK08, ANT16, AFH+13, ASNP16,
AKS00, AD10, AMHL05, AT03, And00, AF01, AMS10, AN08, ANP08, AKN14, AFGG11, AO06, AD06, ACD08, ASZ08, AT06, ACL99, AY08, BER04, BQX15, BJK17, BBW05, BO17, BT00a, BE06, BE14, BPS15, BTMN01, BYZ00, BKHO02, BHH09, BFS16, BY11, BNT04, BP05, BC14, BG08, BM14, BLG13, BGM16, BM17, BKT99b, BGG12, BOM15, BCW14, BCN08, BCNN11, BNS16, CKB12, CLPT06, CKLP07, CCL15, CCL12, CCLT06, CKLP07, CCLP16, CNT14, CQGT10a, CQGT14, CT02, CM17, CS16, CM11, CMLZ12, CNY14, CLP16, CRY99, CSW12, Cwu16, CGST96a, CTV99, CTP99a, CTP1a, CH13, Chr14, CNW10, CO12b, CJRW14, CMV11, DL15, DHP16, DD98, DZ14, DV97, DEAM97, DR03, DR07, DHR07, DR14.

Optimization [DW15b, DGN12, DLV10, DGL10, DSD12, DNSD13, DMVV17, DIL16, DLR17, DBW12, DPS17, Eic09, EA99, EL09, EAV10, EN14, FWKS15, FLP02, FY13, FLO8, FLR14, FV07, FS96, FIS10, FGO14, FLS03, FH14, FLe14, FDS09, FV16, FB03, FBM13, FY99, FRe03, FS05, FMP14, FHKM06, Fhk98, GH16, Gfr07, GL12, GL14a, GL01, GMS02, GL03, GSG12, GLT03, GLdS05, GM12b, GHZ99, GKR14, GHHL05, GJ99, Gou99, GTO5, GLR14, GH15, GST08, GE14, GKPV01, GUn14, GJN06, Hab98, HZ06a, HP09, Hdr02, HPD14, HS10, Har98, HSS17, HLNZ08, HR14a, HK10, dM08, HU17, HM02, HDF16, HLY16, HY15, HNP00, HY02, HY06, HGA15, IY09, Id02, Id13, IH14, Io09, IS02a, IS04, ISU12, JAL15, JY04, JLL09, JLLP16, JLY16, JS16].

Optimization [DW15b, DGN12, DLV10, DGL10, DSD12, DNSD13, DMVV17, DIL16, DLR17, DBW12, DPS17, Eic09, EA99, EL09, EAV10, EN14, FWKS15, FLP02, FY13, FLO8, FLR14, FV07, FS96, FIS10, FGO14, FLS03, FH14, FLe14, FDS09, FV16, FB03, FBM13, FY99, FRe03, FS05, FMP14, FHKM06, Fhk98, GH16, Gfr07, GL12, GL14a, GL01, GMS02, GL03, GSG12, GLT03, GLdS05, GM12b, GHZ99, GKR14, GHHL05, GJ99, Gou99, GTO5, GLR14, GH15, GST08, GE14, GKPV01, GUn14, GJN06, Hab98, HZ06a, HP09, Hdr02, HPD14, HS10, Har98, HSS17, HLNZ08, HR14a, HK10, dM08, HU17, HM02, HDF16, HLY16, HY15, HNP00, HY02, HY06, HGA15, IY09, Id02, Id13, IH14, Io09, IS02a, IS04, ISU12, JAL15, JY04, JLL09, JLLP16, JLY16, JS16].

Optimization [DW15b, DGN12, DLV10, DGL10, DSD12, DNSD13, DMVV17, DIL16, DLR17, DBW12, DPS17, Eic09, EA99, EL09, EAV10, EN14, FWKS15, FLP02, FY13, FLO8, FLR14, FV07, FS96, FIS10, FGO14, FLS03, FH14, FLe14, FDS09, FV16, FB03, FBM13, FY99, FRe03, FS05, FMP14, FHKM06, Fhk98, GH16, Gfr07, GL12, GL14a, GL01, GMS02, GL03, GSG12, GLT03, GLdS05, GM12b, GHZ99, GKR14, GHHL05, GJ99, Gou99, GTO5, GLR14, GH15, GST08, GE14, GKPV01, GUn14, GJN06, Hab98, HZ06a, HP09, Hdr02, HPD14, HS10, Har98, HSS17, HLNZ08, HR14a, HK10, dM08, HU17, HM02, HDF16, HLY16, HY15, HNP00, HY02, HY06, HGA15, IY09, Id02, Id13, IH14, Io09, IS02a, IS04, ISU12, JAL15, JY04, JLL09, JLLP16, JLY16, JS16].

Optimization [DW15b, DGN12, DLV10, DGL10, DSD12, DNSD13, DMVV17, DIL16, DLR17, DBW12, DPS17, Eic09, EA99, EL09, EAV10, EN14, FWKS15, FLP02, FY13, FLO8, FLR14, FV07, FS96, FIS10, FGO14, FLS03, FH14, FLe14, FDS09, FV16, FB03, FBM13, FY99, FRe03, FS05, FMP14, FHKM06, Fhk98, GH16, Gfr07, GL12, GL14a, GL01, GMS02, GL03, GSG12, GLT03, GLdS05, GM12b, GHZ99, GKR14, GHHL05, GJ99, Gou99, GTO5, GLR14, GH15, GST08, GE14, GKPV01, GUn14, GJN06, Hab98, HZ06a, HP09, Hdr02, HPD14, HS10, Har98, HSS17, HLNZ08, HR14a, HK10, dM08, HU17, HM02, HDF16, HLY16, HY15, HNP00, HY02, HY06, HGA15, IY09, Id02, Id13, IH14, Io09, IS02a, IS04, ISU12, JAL15, JY04, JLL09, JLLP16, JLY16, JS16].

Optimization [DW15b, DGN12, DLV10, DGL10, DSD12, DNSD13, DMVV17, DIL16, DLR17, DBW12, DPS17, Eic09, EA99, EL09, EAV10, EN14, FWKS15, FLP02, FY13, FLO8, FLR14, FV07, FS96, FIS10, FGO14, FLS03, FH14, FLe14, FDS09, FV16, FB03, FBM13, FY99, FRe03, FS05, FMP14, FHKM06, Fhk98, GH16, Gfr07, GL12, GL14a, GL01, GMS02, GL03, GSG12, GLT03, GLdS05, GM12b, GHZ99, GKR14, GHHL05, GJ99, Gou99, GTO5, GLR14, GH15, GST08, GE14, GKPV01, GUn14, GJN06, Hab98, HZ06a, HP09, Hdr02, HPD14, HS10, Har98, HSS17, HLNZ08, HR14a, HK10, dM08, HU17, HM02, HDF16, HLY16, HY15, HNP00, HY02, HY06, HGA15, IY09, Id02, Id13, IH14, Io09, IS02a, IS04, ISU12, JAL15, JY04, JLL09, JLLP16, JLY16, JS16].
[CGT12, Oun94]. **Oracles** [vAS14]. **Order** [Abr05, AA06, Aus10, Aus15, AI11, AI12, BT04, BDS10, BBW17, BT12, BF08, BGM+16, BC99, BA13, CT06, CT12, CT02, CdlRT08, CT12, CB14, CS15, CSV09, DHR07, EI06, FS12, FSF12, FLT01, Gfr07, Gfr11, Gfr13, GVA11, GL14b, GL15, GNS08, HY05, HW10, HS06, HM15, HNN10, Her09, HS11, HM04, KFF09, Lin08, LJ16, MS03, MS14, MO01, MR12, MOS14, MOC15, MS06b, OC11, PC08, PRT02, PQS01, RT06, RR08, SS17, SLWY15, SKR16, SXMW13, TW14, Tse07, Wal08, WB16, WY03, YZ16, YM14, ZY14, CLMS93, Dun93].

**Order** [BP07, BTMN01]. **ordering** [AEGS93]. **Orderings** [Ort91]. **Orders** [BBW17]. **Orthogonal** [AADD09, Che01, MW06]. **Orthogonality** [MP97]. **OrthoMADS** [AADD09]. **Orthonormal** [CP08].

**OrthoMADS** [AADD09]. **Orthonormal** [CP08]. **Outer** [CNQ97, GL10, HW94, LW08]. **Outer-facial** [HW94]. **Output** [RS97]. **Over-Relaxations** [AD15]. **Overcomplete** [AAJN16]. **Overlapping** [INT15]. **Overton** [KSS99, LM05].

**Packing** [EL08, EL10, EL14, IPS11, Jan06, MC05, MS02]. **Page** [dKP12]. **Pairs** [Luk08]. **Parabolic** [BC99, HR14b, KS99].

**Paradigm** [Pot12]. **Parallel** [ACP11a, AD00, AD03, AD04, CV07, DLT03, KT04, Ko05, NC16, So98, SAW99, YN17, AM94, BM94a, DT91, Dix91, Lau94, MMZ95, NS91, Pan94, Ra96, ZC91]. **Parallel-Sum** [BH14a]. **Parallelism** [LW15]. **parallelization** [NN91b].

**Parameter** [BBTT12, BH03, HCH12, QZ08, SNT16, EA95, IK92]. **Parameterization** [DR01]. **Parameterized** [BS98, Lev00, QZ08]. **Parameters** [AO06, LP15a, MCL10, SFP11, HSS93]. **Parametric** [DSD12, GM17, GLY12, GLYZ14, JS97, KJ17, Las10, MS11b, MN16, YM14, JW94, LP93, MS94b]. **Pareto** [BK17, DW15a, DD98, EL09, Lov11, MGGS09]. **Parsimony** [Lan16]. **Part** [BLMH06, YunZ15]. **Partial** [BT94a, Br03, GW93, HV05, L2Z13].

**Partial-update** [GW93]. **Partially** [BL93, CRA02, EM91, GW93, Tse91, YG91]. **Partially-finite** [BL93]. **Particularly** [Aus15]. **Partition** [HOR99, SL15, TW14, GH9T98]. **Partition-Based** [SL15]. **Partitioned** [Wri91]. **Partitioning** [GSZ14, PR07b]. **Partitions** [BH96, SK06]. **Partly** [MS93]. **Path** [AZ05, BK10, DNSD13, Fay96, Gon99, HD902, HK06, HK09, HSW14, HSK15, HY96, KJ17, LT10b, Lin08, LP06b, LMO06, LZ98, Mon97, MBW99, Pot14, Sim11, TDKC14, Tse97b, ZH99, Zha98b, ZL02, AB95, Ans96, Gon91b, Gon91a, NN91b, SG94, Zha96, dRV92]. **Path-Following** [DNSD13, Fay96, HK06, HSW14, HSK15, HY96, KJ17, LT10b, Lin08, LMO06, Mon97, Sim11, TDKC14, Tse97b, ZL02, AZ05, HK06, Gon91b, Gon91a, NN91b, SG94, Zha96, dRV92]. **Paths** [DW11, LM04, Ber91]. **Pattern** [AB95, ANRV04, AD00, AD03, AD04, CV07, DLT03, KT04, Ko05, LT99, LT00, LT02, PW06, Tor97]. **Payoff** [ABGJ14]. **PDE** [HCH12, HK10, KS16b, SSW16, ZU11, Zie14]. **PDE-Constrained** [HK10, KS16b, ZU11, Zie14]. **PDEs** [Voi08]. **Peaceman** [HLWY14]. **Peeling** [WLZY07]. **Penalization** [ACP11b, HY02, RPK03, RGY99, SXMW13, YZZ97, BL05]. **Penalties** [CKL97, KK02]. **Penalty** [ACP11a, Aus99, Aus15, AI11, BC09, BTZ97, BCW15, Cha02, CL16, CC02, FK10, FSF12, GYZ14, HK03, KS10, LY11, LL09, LLS10, Lz14, MY10, MMBS14, SS05, YY03, Zas05, Zas13, ZA14, EA95, Li96, Luc92, PZ94]. **Penalty-Gradient** [BC09]. **Penalty/Barrier** [BTZ97]. **Biological**
[BLMH06]. Sphere [SZY16]. Unsolvability [CLPT06]. Penrose [HH96a]. Perceptron [SP12]. perfect [Ris94]. Performance [DMM06, Ans91, Dix91]. Permutation [JLW16]. Perspective [CHP+09, Har09]. Perturbation [CX08, LN02, NT08, ZN05, ZW12b].

Perturbations [BGJ12, CKLP07, CSW12, Don16, Pe˜n00a, Phu10, GHRT98, SW95]. Perturbed [DNSD13, OC11, TZSW96]. Pessimistic [WTKR13]. Phase [Bou16, Fre95, JSC95]. Piece [Gur94]. Piecewise [AFGG11, BGP09, Fus14, LM16, Lov11, She14, ZN14a, Li96]. Piecewise-quadratic [AFGG11]. Pipe [XLD99, ZZ96]. Pitchfork [RM08]. Pivot [Pan05]. Pivoting [MPB02]. Planar [MW06]. Plane [Ans98, DSP10, DG09, GLY96, GV00, Kiw97, Lu097, Mit00, MG98, NV99, OSMXJW13, TZS02, AEGS93, KN93]. Planes [AWWW09, BM14, FZW96, FGG04, Boy93, Boy95]. Planning [FLS03, RADF05]. Plasticity [HMW13]. Player [HM15]. Poincaré [SSW16]. Poincaré-Type [SSW16]. Point [AH098, Alv04, AB08, AGJJ00, BBN14, BER03, BER04, BHHKO0, Bia16, BP97, BLT17, BI98, BD10, BHN99, Cab05, CD00, Cas00, CKS15, CM11, CLO14, CM15, Chu09, CL14, CP15, CC02, CY14, CO12a, EAV10, FFK00, FM03, FS08, FKS02, FT02, FT07, GP04, GLD050, GS98, GG03, GG08, Gon14, GLTP98, GLH12, GOST01, GMO14, GKL96, GU00, GR10c, GU14, HY080, HM15, HM16, IY09, Id13, IPS03, IS10, JKZ98, JRS09, KSH07, KSS99, Kor00, KU15, LM02, LR10, LTB10, LM12, LS04, LM05, LY07, McK98, McS96, ML05, MÖ07a, MÖ09, Mia06, Mit00, MT03, MOT04, NS98, Nem04, NT98, NT16, PLS08, PRT02, PS97, PS98, Pot08, PS10b, Pot14, RB05, Ran06, Roo06, Roo15, SOT09, SP97, SSK98, Sim11, SS97, SZ98, TWB+03, Toli00]. Point [Tse02, WST10, WLY16, Wri99, Wri01, YF00, YY03, YT10, YST14, YT02, YW02, Yos07, Zas10, Zha98a, Zha98b, ZL01, dKVL16, dLTY07, Ali95, BF96, CLMS93, DTY91, Gro95, Gül92, HRVW96, HZ06b, JS95, JY94, KKM93, LMS92, McS94, Mehl92, Mit94, MT90, MKT95, MW96, MS11c, NN19b, Pot96, SM91, SG94, TZSW96, Tod92, Wri92, ZTTD92, ZTP93, ZT93, Zha94b, Zhu06, ZL03].

Pointed [BD02]. Points [AA06, AY08, ANRV04, AAZ15, Ans10, BWW12, CVO9, EZ10, GLM98, GTdS06, GHHL05, HW07, JR10, KL97, KT08, OR16, OC11, Spa14, SLM05, TY04, Win08, YZ13, vILTY06, BF96, Pan94, Sch92]. Pointwise [AMS16, CidRT08, GMM17, HZLO8, HK10, KSN3, RT06, SKR16, Trs05, GJJT96]. Policies [BPS05]. Polyadic [SVD14]. Polyak [HY06]. Polyhedra [BM02, Boy93, GMS92]. Polyhedral [BY11, CP01b, DR96, ER05, FGM12, GR12, HL08a, HMN10, dM10, Man99, MB14, Nga15, Sch12, LT93]. Polyhedrality [BRS15]. Polyhedron [DLW99, HZ16, DTY91]. Polynomial [BK12, Bie16, BR08, CKLP12, CLHZ12, Chu16, DHP16, GVA11, GPT10, GE14, HYY16, HOR99, IPRT00, JRT07, JPT13, JLLP16, JL05, KKW05, LMT09, Las04, Las06a, Las09, Las10, Las11, LZ10, MHL15, Mon98, MT99, NT16, NR09, NW12, Nie14, PR07a, PNA10, PS10b, Ran06, STK17, SOT09, SP97, WKKM06, YZ13, ZCTW12, dKLL10, dKL11, dKLS15, dKHL17, Bar93, BTN94, BH95, DL91, LL94, PY93, ZT93]. Polynomial-Time [Chu16, NT16, SOT09, DL91]. Polynomials [BS15, GMI12a, GN11, IdW16, KS15, Las01, Las05, Las06b, Li10, Mar05, Nga15, ND09, QWY04, RV06, Sch05, Sch06, VD08, VS10, Vui14, Yan09]. Polytope [BM02, JK00, PW98, RT05, Ris94]. Polytopes [BS15, Dah99, IdW16, KTT14].
Population [FV07]. Porous [RZ01].
Portfolio [MCL10]. Portfolios [Ca07].
Posed [FI08, MS06a]. Posedness
[CLPT99, DHP16, HY06, Rev97, Ver96].
Positive [AKK14, Bur03, Chu03, Don14,
GI11, JRT97, JBAS10, KS15, Las02, LP15a,
Lim11, LW08, Mat05, NZ16, QW00, QW01,
SH15, IT17, TP16, VS10, ZVP06, BF96,
Fe95, MPW95]. Positivity [LP10].
Possibly [MS94].
Possible [SM93].
Possible [LP10].
Potentially [BTN94, MP99, RD95, T¨ut03,
Fre95, MKT95, Ye92, Got91b].
Potential-Reduction [T¨ut03, MKT95].
Potentially [AFFG14, CGT14].
Potential [BTN94, MP99, RD95, T¨ut03,
Fre95, MKT95].
Practical [Ans98, BKT99b, GR10b, LS97a,
MGGS09, NS98, XB99, JS95].
Preassigned [BBF04].
Preconditioned [MOT04].
Preconditioner [CK99]. Preconditioners
[BDdSM15, EF02, FG04b, GST11].
Preconditioning [GV15, MS16, MN00, SU14].
Preconditionings [Ort91]. Predicting
[ABT00]. Predictor
[DS12, Gn99, JPS99, KT14, KS99, KJ17,
LM09, LP06b, LM05, MS94a, Mia96,
MT04, PT05, ST08, Sim11, CLMS93,
DL91, LMS92, Pot96, TZW96].
Predictor-Corrector [DS12, Gn99,
JPS99, KT14, KS99, LM09, LM05, Mia96,
MT04, PT05, ST08, Sim11, MS94a,
CLMS93, DL91, LMS92, Pot96, TZW96].
Preliminaries [LS97a]. Prepackaged
[KS00]. Preprocessing
[KH05, Kea11]. Presence
[BT04, Zas10]. Preservation
[ANT16]. Preserve [BP15]. Preserving
[DQQY02]. Price [MCL10]. Prices
[BCMO3]. Pricing [BPS06, MRS16]. Primal
[AZ05, AH09, And00, BER03, BER04,
BF08, BH14a, BCH14, CLO14, Chu09,
CP01b, CH16, Dav15a, FIS10, FG98, Fre03,
GG03, GLTP98, GOST01, Gre00, Gu00,
HSS17, HIK03, HSW14, JR08, JS00, KR02,
LS04, LMO06, LJ16, LSZ98, ML05, MS00,
MT99, MSS15, NO09, NT98, NS14,
PRT02, PS08, Pot08, TWB+03, Toh00,
Tüü03, WST10, Wri00, YY03� YTL0, ZR93,
dPR01, GT92, Ius91, Meh92, MTT94,
MKT95, Mon98, Wri95, ZTD92, ZT93,
Zhu95, Mon97, Zha98a]. Primal-Dual
[AHQ08, BER03, BER04, BF08, BH14a,
BCH14, CLO14, Chu09, CP01b, CH16,
Dav15a, FG98, Fre03, GG03, GLTP98,
GOST01, Gre00, Gu00, HSS17, HIK03,
HSW14, JR08, JS00, KR02, LS04, LMO06,
LSZ98, ML05, MS00, MS98, XB99, JS95].
Principle [BP07, BCM03, IRL01, LN11b,
MTX03, RSS14, Naz91]. Probabilistic
[BSV14, BNT04, DSP10, GrV15, GE14,
HAN11, Hen15, KL10, LA08, vAH14].
Probabilistically [LS05]. Probabilities
[BJS07, RS15, ST03]. Probability
[BP05, BW02, BCM03, HP07, MS06b,
PW05, Pic13, Wat00, WBME14].
Probability-One [BW02, Wat00, WBME14]. Problem
[ABT00, AINT17, AY08, AFS01, Ans00,
BBT06, BTC08, BV10, Bie16, BHT16,
BRU97, BBV02, B198, CCFP05, CKP00,
Cap02, CCLW14, CBJF97, CY00, CM11,
CMY15, CDL14, CDF+94, FV07, FAOF07,
Fle01, GLRS15, GHHL06, HLTW14, IY09,
Iid12, Jan06, JRS10, KSH07, KS99, Las01,
LdQ11, Lim11, LM05, MPB02, MCB98,
MN96, MP14c, MBW09, Pan16, PRRL97,
PR07a, Pfe08, Qi16, QZ08, Ray97, RT05,
RT06, Rot09, RN98, SBD+11, SCR05,
SZY16, Sim11, SS00, Sta04, IT17, TBZ16,
TMHP06, Wac14, WX16, WLZY07, ZX14a,
YF00, Yi08, YWAS17, ZG03, ZY14,
AEGS93, Bon97, DvTY91, Gar93, HP94,
Hen95, HH96b, JSC95, JSV91, Li93a, LT92, Man91, McS94, MPW95, NN91a, SM93, Wan95, Zha94b, dKPS09a, dKPS09b.

Problems

[AAS17, ASNP16, AJS90, ANRV04, AMHL05, AM00, AGJJ00, Att96, ACP11b, AT00, AST10, Aus15, AZ08, BBN14, BD17, BT00a, BBTT12, BP12, BPS15, BT97, BTN02, BDM16, BN+16, BHK92, BHK9+9, BHH90, Ber97, BPT97, Bil02, BW02, BGP09, BKT99b, BGM+12, Bom15, BS98, BLT17, BSR17, BD10, BH15, BK10, BCGH08, CKP12, CCL09, CGT10a, CT14, CT02, CdlRT08, CHW12, CT12, CH97, CX99, CQT03, CX08, CLO14, Cw15, CLP16, CY10, Ch16, Cnt14, CNW10, DHP16, DIS04, DD98, DP00, DGJ09, DHR07, DZ17, DGL10, DMV17, EN14, FS97, FK10, FCF07, FLY11, FI08, FK00, FMW96, FF99, FB00, FG04b, FL01, Ger08, Ger11, Grf07, GSG12, GLY96, GHHL05, GS07, GLN07, GACD14, GSZ14, GJN06, HYF05, HW10, HM15, HM16, Her09, HL14).

Problems

[HK06, HSK11, HSK15, dM08, HLR16, HZ06b, HR15, HOR99, IPRT00, IRL01, IK00, IK16, IS02c, IS04, ISU12, JRT97, JLLP16, JFQS98, JS16, JRS10, Kan14, KS99, KS16a, KV17, KS99, KTT14, KK05, KNP98, KP98, KSX08, Kor00, KJ17, KR02, KR03, Lau00, LM02, LR10, Lev02, LF01, LN09, LFLL09, LT96, LM16, LM99, LP06b, LLS06, LFJ+11, Luc02, LPV05, LS98b, LB00, MN09, Ma07, MC05, MS10, MP10, MG98, MS1c, MS12, MW97, MS06a, MRS10, MGGS09, NARS14, Nem04, NV99, Nes12, NS14, NT16, NS17, PS10a, PZ98, PZ00, PZ03, PNA10, PQS01, Pot08, Pot12, Pyt08, Q99, RSS14, RG00, RFPN14, RQMG12, RM08, RPK03, RR08, SS17, Sag16, SNT16, STKI17, Sch09, SW11, SU14, SDGM99, SSSZ10, Sha97).

Problems

[SBT16, SS97, SL14, Sol07, SKR16, SH97, SZ98, SW99, SSQ04, TF96, TW14, TZS02, Trö05, Tse97b, Tuy00, Ulb01, VJM16, Vil05, Vog08, Voi08, WKKM06, WJ00, WST10, WCP17, Wri00, Wri02, XS16, XYZ15, YH01, YFHS16, YZZ97, Ye99, Ye00, Ye04, Yos07, Zha94a, ZCD00, Zha00, ZC09, Zha98b, ZY07, ZT98, ZC10, ZCT10, Zhu02, dKL11, vAS14, vdLTY07, AM94, BCT93, BKT99a, BD93, BH95, Bur92, CL92, Daz92, DHLN92, DL01, DFK01, Dun93, FMS94, GMR91, GIJT96, Gow92, Hei93, Hus94, IK92, IK96, Kan96, KSW94, KKM93, KN93, Li93b, MM95, MS94a, Mel96, MT91, Out94, PR95, PR93, PY93, RA96, Rot92, Sar95, Sta92, TYF96, TM05, YY95, Zen91, ZC91, ZTP93, ZT96, dRT92].

Procedures

[IPRT00, Lau01, Mel96]. Procedures

[Che05, GL14a, MW94]. Process [SFP11]. Processes [GS01, HN07, HG16].

Processing [CJK98, KB08]. processor [GR94]. Product

[Ans17, BCWW15, LWZ15, Hus94].

production [HH96b].

production-transportation [HH96b]. Products [Sab11, Tse92]. Profiles [DMM06]. Program

[FT02, FT07, Gre00, Las02, NF01, SKC12, WKKM06, XSLZ11, Fre95, War96].

Programming

[AAS17, ASNP16, AHO98, AB12, An00, An02, An05b, Ans98, Ans99, AKK14, AD00, AD04, AJ09, Aus15, AH05, BC09, Bec07, Bec15, BDDSM15, BTZ97, BNT97, BTKNZ99, BOT06, BTN04, BH03, BZ04, BCW08, BEET12, BPS99, BMW10, BHS15, BDL+16, Bur03, BL09, BHN09, BGW05, CT06, CLPT99, CLMP10a, CLMP10b, CT14, CB00, Cha02, CS08b, CKS15, CF01, Che01, CWH06, Cn06, CHY10, CKS17, CC02, CHP+09, CR04, CO12b, DHL15, DMZ12, DY04, D411, DZ17, DSD12, DT98, Dos97, DFS03, ER05, FLN10, Fay96, GFL+02, Fle12, FB15, FS08, FG98, FL03, Fsu14, GM15, GL14b, GM12a, GV15, GL15, GS98, Gon14, GT97b, GKV03, GOST01, Gnu00, GVJS10, GNL11, GJR08,
Programming

[IK16, Jan04, JAL15, JL10, JLZP16, JPS99, JL16, JK15, JST11, Kiw07b, Kor00, LMT09, Las04, LM02, LDL+02, LSW06, LH14, LF98, LNQY10, LY11, LP15c, LL09, LMO06, LY07, LFJ+11, Luc02, LW08, LPS05, LSZ98, MNP96, MNP98, MR10, MM08, MPW09, Man04, MÖ07a, MÖ10, MP14a, Mia96, MS11b, MP10, MG98, Mon97, MT91, MT93, MT03, MN14, MOC15, MW06, NJLS09, NLQTO06, OW06, OSS11, Pan05, PC08, Pan16, PVZ07a, PW07, PS98, PR07b, Pyt98, RTW97, RKG08, RV06, STK17, SD00, SZ14, ST09, SKL09b, STY15, STY16, TF96, TWW+03, TTT98, Toh00, Tso97a, Tso93, Tse07, VR05, Voi08, WB05a, WB05b, WJ00, WZYB08, Wat00, Wri08, Wri99, Wri00, Wri01, WFO4, WRO5, Xu06, YZ97, YW02, ZA14, ZZ96, Zha98a, ZH06, ZWL10, ZST10, ZCTW12, dE14].

Programming

[dP02, dKPS09a, dKPS09b, dKL10, dKL11, dKP12, dKV16, Ali95, AB95, Ans96, Bar93, BT94a, BD93, BL95, BL93, Bos93, Boy95, Bur92, CH93a, Den00, Eck94, FKMN00, GV94, GLW91, Gon91b, Gon91a, GT92, GHS95, Hei96, HRVW96, Ius91, JS95, JY97, Jey91, KK92, KN93, Lag93, LS93, LP93, LMS92, MMZ95, MC94, MC96, Mit94, MKT95, Mou98, MT91, MP95, Naz91, Pot96, Pow95, Ren95, SG94, Tod92, TM95, Wri91, ZTD92, ZT93, Zha96, ZR93, Zhu95, dRV92, dRT92].

Programs

[Ani05a, Ani05b, BK12, BPL12, BYZ00, BZ08, Bol14, BJ07, BD09, BKS16, BM01, BV06, BK10, CA10, CG08, CL+14, CB14, CS15, CC14, CO12a, DO06, DFNS05, DR00, EOL98, Ent96, El06, FJS98, Fil99, FLRS06, FT08, FKS02, FSH12, FP98, Gfr13, Gfr14, GY17, GVA11, GJLP14, GNS08, GK96, GR12, Gui16, GLY12, GY14, GLYZ14, GXZ17, HNO15, HAN11, HRS06, HLL98, HK09, HS11, dMM10, HMP+08, HOS1, IPS11, IS08, JR08, JLD03, JR00, KDB09, KN02, KN04, KN05, KF09, KS10, KS14, KK05, Küc08b, LLS05, LAS02, LLCN06, LS97b, LP06, LZ03, LS04, LXL11, LX14, LPR98, MP16, Mat05, MÖ09, MX06, MZ99, MP07, MLLB08, MN13, MOS14, NS07, OAF12, OC11, Pat17, Pat98, Pul97, Pul00, RDV12, RBO5].

Programs

[Rev97, RW07, RP12, SFM14, Sch01, Sch96, ST03, Sch98, SDM00, SA04, SW14, SW15, SL15, SU10, SK08, SXMW13, TAW06, TK02, Toh03, WY15, WMBE14, Xu06, XY10, XHL14, XY15, YZ10, YZ16, YT02, YN17, ZK14, ZL02, AW94, BM94, BQ95, CH93b, Dnu93, Gk94, Io94, Lh96, MS94b, RS96, Ver96].

Progressive

[McB98].

Progressive

[AJ09, XZ14b].

Project

[BV06, Che05, Lau01].

Projected

[BM00, Hei96, MA15, NLQTO06, SU15, SY13, ZC09, Gar93, Gur94, ZR93].

Projection

[AM12, Alv04, BF08, BLY14, CS08a, Da06, HZ16, KL97, Kiw07b, KCS97, LH04, Man99, Tso97a, Tse98, WB16, LT93, Tse91].

Projection-Based

[KCS97].

Projection-like

[AM12].

Projection-Proximal

[Alv04, Tso97a].

Projections

[BCG08, CH02, D097, GN11, MHL15, CGST93, Sha94].

Projective

[Pan05, GV94, SG94].

Projectors

[BWX15].

Pro[Bar08, KS91].

Proofs

[DG09].

Proper

[Qiu08].

Properties

[ABF14, BMW16, CS15, CGST96a, CGST96b, CGT10b, DHL+99, Rei02, DL01, FFK98b, GO16, KS14, LRWW08, LW15, LPR98, PP16, PR96, Sch01, TWW+03, YFHS16, BT94b, GN92, Kan96, Pow95].

Property

[AG10, BP15, DY99, DK13, DLW99, HP07, NYS11, OC11, Zas13].

Proportioning

[Dos97].

Provably

[LL00].

Provided

[ANRV04].

Prox

[ANT16, ACP11b, BBN14, Luk08, Nem04].

Prox-Method

[Nem04].

Prox-Penalization

[ACP11b].
Prox-Regular [Luk08]. Prox-Regularity [ANT16].
Proximal [Alv04, AFFG14, ARS07, AT06, BGLW08, BNL+16, Bia16, BIS05, BI98, BD10, Cab05, CMY15, CL14, CP08, CC02, CY14, DT98, FK00, FR15, Har09, HS10, HLY16, IPS03, JST12, KT03, KV17, KRR99, Kiw06, Kiw07b, LSS14, LM12, LST16, LLX15, MOT95, MM08, MS10, MS12, MS14, MSS15, PC08, PLS08, ST14, TY12, TEB97, TDKC14, Tse97a, WST10, WLY16, WCP17, XZ14a, XZ14b, YF00, YST14, Zas10, ZN14b, dEH01, BT94a, CT93, Gül92, Kiw96, Zhu96].
Proximal-Gravity [XZ14a].
Proximal-Like [PC08, Teb97, CT93].
Proximal-Projection [Kiw07b].
Proximal-Type [KT03].
Proximities [PRT02].
Proximity [FGG04, MST11, PTZ05].
Pseudospectra [LP08].
Pseudospectral [GO12].
Public [BPS06].
Pump [BEET12, DLR14].
Pure [BDM16, ZK14, Wri95].
purpose [NS91].
Pursuit [SMG14].
PVM [CF01].
QP [CWH06, QQ00].
QP-Free [CWH06, QQ00].
Quadratic [CWH06, QQ00].
Quadratic [Ani00, Ani02, Anso0, AKK14, BT00a, BE06, Bec07, BDdSM15, BTRN02, BC14, BM17, Bol14, Bom15, BR08, BDP14, BHS15, BDL+16, BM201, BLO9, BCW14, BGNW05, CX99, Che15, CL96b, CO12b, CJRW14, DZ07, Don16, Dos97, DFS03, DK10, DL13, Fay96, Fay06, FLT03, GVA11, GL15, Gon14, GT97b, Güm14, Hag01, HLNZ08, HR15, JLL09, JL16, JK15W, KN05, KL10, Kuc08a, KR03, LT01, LTY12, LRP16, LS97b, LS7W06, LY11, Loc15, LMO06, LFJ+11, LPR98, LS98b, LS204, LSTZ07, LZ10, LB00, MN98, MP10, nDR15, MT98, Pan16, Papi16, PRRL07, PY97, PW17, RQMG12, SKC12, SBT16, SV07, Sor97, SK98, SZ98, TF96, TY12, Tse03, WT04, XSLZ11, XHL14, YY93, YMZ15, YZ03, ZH06, An96, AFGG11, BD93, BL95, CLMS93, CH93a, CH93b, FM94b, GLW91].
quadratic [Hei96, LS93, Li96, Mar94, MMZ95, MT91, MP95, NN91b, Tha93, ZTD92, ZR93, Zhu95].
Quadratically [An02, AKK14, Bom15, FLT03, JLI6, LFJ+11, SP97, XHL14, GLW91, PY93].
Quadrature [CRY99].
Qualification [AMRS16, CHL16, GM15, GVJS10, ISO2b, JLD03, L197, LNO3, LN05a, SN07, VR05].
Qualification-Free [SN07].
Qualifications [AHSS12, FLLN10, GY17, ISO4, Kan14, KS10, LNS00, LNO8, LZH14, YL00, ZNO4, ZNO7b].
Quantification [HTT15].
Quantitative [AW93, BS98, LRX14, ZZX16].
Quantum [BBW05, BFS16, LP15a].
Quartic [LZ10, QWY04].
Quasi [AH05, BCW10, BHNS16, Ceg15, CP15, FB00, GL01, HR12, HR14b, HGA15, KV17, Kau99, LZ14, LV08, MSQ98, MN00, MO07b, SY13, SH97, WN16, WMGL17, ZW12b, ZNZ199, BLNZ2, EM91, Fe91, Gi97, LN93, TK06, ZNB+93].
Quasi-Cauchy [ZNW99].
Quasi-Convex [FB00, AH05, TK96].
Quasi-Fejér [CP15].
Quasi-Newton [BHNS16, GL10, HGA15, KV17, Kau99, LV08, MSQ98, MN00, SH97, WN16, WMGL17, BLNZ2, EM91, Fe91, Gi97, LN93, ZNB+93].
Quasi-Nonexpansive [Ceg15, SY13].
Quasi-Relative [BCW10].
Quasi-Slater [LZH14].
Quasi-subsmooth [ZW12b].
Quasi-variational [HR12, HR14b, MO07b].
Quasiconvex [BGJ12, DHML01, LP06a].
quasidfinite [Van95].
Quasimonotone [AG14].
Quasimonotonicity [CH94].
Quickest [Fe01].
Rachford [BM16a, BD17, BH14a, CM16, DAV15b, HLW14].
Radial [FB03, KM90, WS11].
Radiation [RADK05].
Radio [BBF+04].
Radiosurgery [FLS03].
Radius [GO12, WD05].
Random [ALR03, Cal10, CCH05, CC14, CP15, Har98].
NC16, Sch98, SMG14, WB16]. Randomized
[AH16, BBN14, CG08, DSP10, DBW12,
GHHLO5, JRJ10, LLX15, SFM14]. Rank
[BDdSM15, BM201, BKS96, CGT14,
CSWP11, CNW10, DG09, DV14, DU16,
FGM17, JBA10, LWZ15, MS11b, MMBS14,
SU15, SVD14, TY11, Van14, YFHS16,
BT94b, Bos93, FRW11, KBS93, LdQ11,
MSFL17]. Rank- [SVD14]. Rank-1
[YFHS16]. Rank-Deficient
[CGT14, CNW10]. Rank-One
[BKS96, DV14, Bos93, KBS93]. Rank-Sparsity
[CSPW11]. Rank-Two
[BMZ01, BT94b]. Raphson
[HN05]. Rapid
[BLMH06, BCW14, Wri05]. Rate
[AP16, BLY14, BLT17, CY14, Dav15b, Dav15a,
GOP17, Kuc08a, LY98, NO09, Nem04,
SdM00, ST14, TY12, YN17, Ius91, Tse91]. Rates
[AHO98, CR97, HN07, dM08, HLY16,
Sch96, Yin99, dKHL17]. Ratio
[LMX17]. Rational
[EZ10]. Raymond
[CHPA16]. Rays
[GDW00]. Real
[GE14, Las05, Nie14, SVD12, Vel15].
realization [Gil97]. Realizations [GHR14].
Recessive [BBMW16]. Reconstruction
[JS00, No98]. Recourse [GNS08, Rvd15,
Rsvd16, Sch96, ST03, SL15, RS96].
Recursive [GST08, YLZ02].
Redistributed [HS10]. Reduced
[AW00, CT06, CK09, GL01, GL03, Kau99,
XB09, BNS95, Gil97, Kup96, LT93].
reduced-gradient [LT93]. Reduced-Hessian
[GL01, GL03].
Reducibility [DGJ90]. reducible [DMZ94].
Reducing [AILT14, Bar93]. Reduction
[BR08, Fd0F07, Ios01, IJOT17, JH14, JS11,
MP99, PRRL97, TAW06, Titi03, XSLZ11,
XZ41b, YM14, BT94f, FRE95, Gon91b,
MKT95, Ye92, dRV92]. Reduction-Based
[PRRL97]. Reductions [KW10].
Refinements [vDLTY06]. Reflected
[Mal15]. Reflective [CL96b]. Reflexive
[Den97, KRS11, MM11, Sab11].
Reformulation
[AM00, BKS16, DZ14, FFK98b].
Reformulations
[AZ08, IS02c, LP15c, PTJY10]. Regime
[VKI04]. Regimes [JS16]. Region
[AINT17, Ans17, ANP08, BSV14, BP15,
BP97, BA13, BKS96, CNY14, CGST96b,
CSV09, DV97, DEAM97, DEAW99, EA99,
EG10, FGL+02, For05, GJ16, GLRT99,
GST05, GST08, HV01, HR14a, HM02,
JFQS98, Kau99, KS99, LMT09, LM02, LY07,
Ni05, QQS03, RRS00, hRK14, TA98, Tse02,
Ulbo1, WD05, Wal08, WS11, WT04, YB16,
ZA14, Bur92, CL69a, CGST93, EA95,
EGR09, Qi95, Sar95, SW95, WZ95].
Regions [Lu14]. Registration [CKS15].
Regression [BLG13, GP04, HDP14, RR15,
SFP11, YZ13, LS14]. Regular
[Den00, FS17, Luk08, PRT02, PTZ05, Tr605, YZZ17].
Regularity
[ANT16, AA07, BCW08, CKLPO7, CS08b,
DR96, DL13, DPS17, EA99, FFK98b, Fus14,
GO12, HL14, Iof11, IS02b, KKT15, Li97,
LNP17, LN14b, MPR10, NT08, ZFL06,
ZN04, ZN08, ZN15, ZZ16, Wan95].
Regularization [BC05, BBT06, BC14,
BM17, BKS16, BH15, CGT14, FT08,
HYF05, JLW16, KDB09, KS12, KS14,
LS07a, LV07, LXL11, MPR09, MZGS08,
NW12, PTJY10, RG00, Sch01, Sch12, TY12,
Wan11, WDST14, YST14, IK92].
Regularizations [MB14]. Regularized
[AMS16, CGT10a, CW14, CS15, DLR16,
GMM17, GN17, KV17, KX08, LLX15,
MX06, OHF12, PR96, Q99, Wri12, Dax92].
Related [AT00, BM02, FS97, OR02, SH07,
WDST14, DUN33]. Relating [Chu03].
Relation [ZNW99]. Relations
[BWY10, EF02, MS06b, ZT92].
Relationship [HN07, Zha96]. Relative
[BCW08, CS16, GTD06, Luk08, Ric11,
Dix91]. Relatives [dCST15]. Relaxation
[BHKM14, BPT97, Bom15, BMZ01,
CBJF97, Che05, CH13, FK00, HLNZ08,
KKW09, KL10, Kiw07b, Las14, LFJ°11, LZ10, MLLB08, MST11, SU10, Tse03, Tse07, Wri12, DFNS05, PR93. Relaxation-Based [MLLB08]. Relaxations [Ans00, AD15, BHT16, BDPP14, BV06, CS16, DW10, GVA11, GLRS15, GR03, HLTW14, JLLP16, Kh05, Kca11, KK05, KT00, Las04, Las06a, Lau01, LNY10, MCB09, ND09, NW12, PNA10, STK17, SL14, WKKM06, WZYB08, ZCTW12, dKPS09a, dKPS09b, dKL11, PR95].

Relaxation-Based [MLLB08]. Relaxations [Ans00, AD15, BHT16, BDPP14, BV06, CS16, DW10, GVA11, GLRS15, GR03, HLTW14, JLLP16, Kh05, Kca11, KK05, KT00, Las04, Las06a, Lau01, LNY10, MCB09, ND09, NW12, PNA10, STK17, SL14, WKKM06, WZYB08, ZCTW12, dKPS09a, dKPS09b, dKL11, PR95].


Reweighted [Bec15, BDMS09, BCWW15, FRW11, ZL12]. Riemannian [HU17, HGA15, LMWY11, MS16, RW12, SI13, Van14, WLWY15]. Right [GST11, Gre00, HCH12, KRT07]. Right-Hand [GST11, HCH12, KRT07]. Right-Hand-Side [Gre00]. Rigid [GP08, TP02]. Rigidity [ZY10].

Rigorous [Jan04]. Rim [GHRT98]. Risk [Cal07, CGC15, CKS17, ER05, FWKS15, GR12, Gui16, HG16, KS16b, LLS05, LLMX17, OR02, Pic13, RS15, RR15, ST03]. Risk-Adjusted [LLS05]. Risk-Averse [FWKS15, Gui16, KS16b]. Ritz [KS05b].

Robinson [GM17]. Robust [ASNP16, AZ08, BTN97, BTRN02, BLO05, Cal07, CM17, CDL14, DSZ17, DMVV17, E1L98, EL14, GV15, GJLPV14, GXZ17, HMN10, HF14, Ios01, JL10, LLD°02, LS04, LX14, LMX17, MP14a, MP14c, NJL509, Sch14, VVM°09, XS16, ZXZ16, Bu92, EA95].

Role [ZM96]. Rotation [GH15, SPW15]. Rotundity [BL94]. Rounding [PR07].

Routing [LL00, RT05]. Row [Han11, ZC91]. row-action [ZC91]. Rows [AWW09]. Rule [BM98a, GJ99, Luc02, Tse98, WJ00, ZN07a]. Rules [BPL12, DS12, HLZ08, Har98, LN11a, Ye04]. running [CD92].

Saddle [BBN14, CLO14, HM15, HM16, HZ06b, MS11c, Nem04, SLM05].

Saddle-Point [BBN14, HM15, HM16, HZ06b, MS11c].

Saint [CHPA16]. Salesman [BM02, dKPS09a, dKPS09b, HP94, JSV91]. salesmen [BCQW95]. Same [Pat17].

Sample [CWZ12, EN14, GP04, KSDM01, LA08, MX06]. Sampling [BLO05, CV07, GR12, Gui16, dM08, HU17, Kiw07a, Kiw10, LMXW16]. Sampling-Based [GR12, Gui16]. Satisfy [Aus10]. Scalable [CJSY07, ZA14]. Scalarization [BKR17, Eic09, Kas10, Qin08]. Scalarizing [LP05]. Scale [AT03, BBN14, BYZ00, BH03, BKT99b, BHN99, BHNS16, CB14].
Scaled
[HL02, Lev02, NT98, ZCD00, dPRT01].

Scaling
[BBR16, CB00, GLHZ11, IS02a, JRT97, MT98, Pot08, Qi16, TP16, Pot08, Qi16, TP16, Lag93, LN93, Mas97, MW96, RV93, Rot92, TM95].

Scenario
[CGC15].

Scenarios
[MP14b].

Schedule
[CF99].

Scheduling
[CKL97, CJK98, Rot09, AEGS93].

Scheme
[BTT96, CBJF97, Dav15b, KDB09, LZ10, Sch01, Su10, Wu96, DFNS05, EA95].

Schemes
[ACP11a, BTC08, Bec15, Dav15a, EL14, GAP08, HLL98, ZM96, GK94].

Schrijver
[Che05, Lau01].

SDLCP
[SSK98].

SDP
[JST12, KKW09, Las06a, LM04, NW12, SSK98].

SDP-Relaxations
[Las06a].

SDPs
[BPC11].

Search
[Abr05, AA06, ANR04, AF01, ALR03, AD00, AD04, AD06, ACD08, AJD08, AIL87, AH16, BG09, BLPP16, BPS99, BK10, CV07, DK13, DLT03, GV14, GRV15, HZ05, Har98, KN02, KN04, KSS99, KT04, Ko15, KLT07, LT99, LT00, LT02, LM05, Pap16, PW06, Su15, SK06, SSK98, Toh00, Tor97, Tse99, WB05a, WB05b, WG10, ZH04, dPRT01, dBdH07, And96b, DEG+91, DT91, MV94, Tor91].

Searches
[AD03].

Searching
[CF99].

Secant
[HL08, YMT04, DEG+91, Hus94, WZ95].

Second
[Abr05, AA06, Aus10, Aus15, BT04, BDS10, BF08, BCS99, BA13, CT06, CT02, CdllRT08, CT12, CSV09, Dun93, EJ06, FS12, FSF12, FLT01, Gfr07, Gfr11, Gfr13, GVA11, GL15, GR10a, GR10b, HYF05, HW10, HS06, HNN10, He09, HNN04, KFF09, MS03, MS14, MO01, MR12, MOS14, MOC15, OC11, PC08, PRT02, PQS01, RT06, RR08, See92, SKR16, SXMW13, TW14, Tse07, WY03, YZ16, YZ14, SC91].

Second-Order
[Abr05, AA06, Aus15, BT04, BDS10, BF08, CT02, CdllRT08, CSV09, EJ06, FS12, FSF12, Gfr07, Gfr13, GVA11, GL15, HYF05, HW10, HS06, HNN10, He09, HNN04, KFF09, MS03, MS14, MO01, MR12, MOS14, MOC15, OC11, PC08, PRT02, PQS01, RT06, SKR16, Tse07, WY03, YZ16, YZ14, SC91].

Second-Order-Cone
[BA13, FLT01].

SEQC
[LNP07].

Selecting
[MR10].

Selection
[Lu09, MS11a, dEH01].

Selective
[DLR17].

Self
[C11, Fay02, GIü97, HL02, KU15, MS15, NT98, PRT02, PTZ05, ST10, Wan11].

Self-Concordance
[Güll97, CM11].

Self-Concordant
[Fay02, KU15, MS15].

Self-Correcting
[ST10].

Self-dual
[Wan11].

Self-Regular
[PT02, PTZ05].

Self-Scaled
[HL02, NT98].

Semialgebraic
[BHT16, BK10, CLPT99, CLPK07, CLMP10a, CLMP10b, CKL+14, CHY10, FS08, GAP08, GJLVP14, GVJS10, GJR08, Gür10, HW10, HG16, JS97, JS11, Kan14, MP14a, MLLB08, MN13, NK10, NLQT06, OHF12, PQS01, RPK03, ST09, VR05, WY15, ZWL10, ZW12b, GHS95, JWR94, KN93].

Semi-Algebraic
[LP10].

Semi-Infinite
[BHT16, BK10, CLPT99, CLPK07, CLMP10a, CLMP10b, CKL+14, CHY10, FS08, GAP08, GJLVP14, GVJS10, GJR08, Gür10, HW10, HG16, JS97, JS11, Kan14, LP10, LNS00, LZH14, LFW98, LW08, MP14a, MLLB08, MN13, NK10, NLQT06, OHF12, PQS01, RPK03, ST09, VR05, WY15, ZWL10, ZW12b, GHS95, JWR94, KN93].

Semi-Markov
[NG16].

Semialgebraic
[BLY14, DIL16, EL10, JAL15, JPT13, Las09, Sch05, VS10, MHL15].

Semiaffine
[HP98].

Semi-continuous
[DLV10, LW08, GLT97].

Semi-continuous
Semiconvex \cite{HPD14}. SemiDefinite \cite{JRT97, AHO98, AW00, Aus15, BTN97, BTKNZ99, BYZ00, BNT04, BPS99, Bur03, CS08b, CKS15, CQT03, CSW12, Chu06, CR04, DT98, EOL98, FSP15, Fay96, FKS02, Fus14, GV15, GS98, Gu00, GWZ15, GL08a, HdrR02, HLNZ08, HR00, IPS11, JAL15, JLLP16, JPS99, JL05, JBSA10, KN02, KN04, KN05, KTT15, KL10, Kiw07b, KSH97, KSS99, KW10, Las02, Las14, Lau01, LP15a, LM02, LLD02, LT10b, LNQY10, LP15c, LM05, LSZ98, LZ10, MHL15, MPRW09, Mat05, M¨O07a, MP10, Mon97, MT99, KN04, KN05, KTT15, KL10, Kiw07b, KSH97, KSS99, KW10, Las02, Las14, Lau01, LP15a, LM02, LLD02, LT10b, LNQY10, LP15c, LM05, LSZ98, LZ10, MHL15, MPRW09, Mat05, M¨O07a, MP10, Mon97, MT99, NF01, OG03, PA14, Pat17, PVZ07a, PW07, PS98, RTW97, RV06, STKI17, SPW15, Sim11, SL14, SKL09b, SSQ04, STY16, iT17, TTT98, Toh00, TZZ02, TK2, Toh03, Tse03, WKKM06, WZV08, XHL14, Zha98a, ZH06, ZST10, ZV06, dE14, dPRT01, dPS09a]. Semidefinite \cite{KS99, AW00, Aus15, BTN97, BTKNZ99, BYZ00, BNT04, BPS99, Bur03, CS08b, CKS15, CQT03, CSW12, Chu06, CR04, DT98, EOL98, FSP15, Fay96, FKS02, Fus14, GV15, GS98, Gu00, GWZ15, GL08a, HdrR02, HLNZ08, HR00, IPS11, JAL15, JLLP16, JPS99, JL05, JBSA10, KN02, KN04, KN05, KTT15, KL10, Kiw07b, KSH97, KSS99, KW10, Las02, Las14, Lau01, LP15a, LM02, LLD02, LT10b, LNQY10, LP15c, LM05, LSZ98, LZ10, MHL15, MPRW09, Mat05, M¨O07a, MP10, Mon97, MT99, NF01, OG03, PA14, Pat17, PVZ07a, PW07, PS98, RTW97, RV06, STKI17, SPW15, Sim11, SL14, SKL09b, SSQ04, STY16, iT17, TTT98, Toh00, TZZ02, TK2, Toh03, Tse03, WKKM06, WZV08, XHL14, Zha98a, ZH06, ZST10, ZV06, dE14, dPRT01, dPS09a]. Semidefinitely \cite{NPS10}. Semilinear \cite{CDL16, CdlRT08, CHW12}. SemiProximal \cite{GS15}. Semismooth \cite{FFK98b, HIK03, HH06, KFF09, LdQ11, MU14, Sch08, Sta04, ST09, Ulb01, Ulb03}. Sensing \cite{AI11, AI12}. Sensitivity \cite{AC02, DMZ12, DHR07, DR14, GG08, Gre00, GHR98, HW07, JAL15, KT00, Las11, L¨as17, Lew02, LN02, LN05b, LNP07, LN14b, Lin11, Lov11, MHL15, MM05, NPS10, OR16, RS11, Sag16, Sch05, Vel15, Vog08, VS10, ZN08, ZN11, ZW12a, ACC93, G99, MS94b, ZT92]. Several \cite{LH04}. Shadow \cite{GHW08}. Shadows \cite{DPW15, SS15}. Shah \cite{Wan95}. Shannon \cite{BH95}. Shape \cite{BHKO02, BHK+, DQQY02, Hab98, Lau00, Luc09, RW12, SSW16}. Shape-Preserving \cite{DQQY02}. Shaped \cite{HOR99}. Sharing \cite{GKPV01}. Sharp \cite{DY04, FIS10, JL03, LW07, MZ08, NOS08, W04, YZ07, Zua03, MZ00}. Sheet \cite{FGM12}. Shifted \cite{Mit94}. Shifting \cite{YMT04}. Short \cite{Bar08, GV94}. Shortest \cite{D00, Wen97, Ber91}. Shrinking \cite{GL14a}. SIAM \cite{MZ00, QW01, ZT98}. Side \cite{Gre00, PS11}. Sided \cite{RB06, DFNS05}. Sides \cite{GST11, HCH12, KRT07}. Signal \cite{KB08, GK99}. Signed \cite{INT15}. Signomial
Simple [BCU00, DFS03, HL08a, HL11, HR15, KT14, KR03, LT02, Pyt98, YN17, CH93b, Li96].

Simplex [ABGJ14, AWW09, AM00, CV07, IdW16, LRWW98, Loc15, McK98, dKL15].

Simplicial [Tse99, DvTY91].

Simplified [GT97b, Roo15, Sch08, Sta04].

Simulated [CF99, Fie00, Nau02, Fox95].

Simulation [Din98, SFP11, GK95b].

Simultaneous [Gre00, Hol04, JL16].

Single [ASZ08, AGH10, AG14, BTC08, CKL97, CJK98, EI06, SCR00].

Single-Cone [EI06].

Single-Directional [AGH10].

Single-Objective [ASZ08].

Single-Sink [SCRS00].

Single-Valuedness [AG14].

Singular [CCS10, CNQ97, IK00, IS02c, Lov11, SI13].

Singularity [IT17, LP93].

Sink [SCRS00, XLD99].

Skew [BAC11].

Skipping [KON98].

Slater [DLW99, LZH14, MRS16].

Sliding [LZ16, LV07].

Simp [DO06].

Slopes [BHKM14].

Slowly [Cab05].

Small [EL10, ND09].

Smooth [AST10, BGP09, BM98a, BFMS14, CT12, CNQ97, CH97, Fus14, IS02c, JR00, Lu09, MS03, Nen04, RS11, SP12, TZ10, Wenzh97, ZN14b, Znu02, dA08, dRT92].

Smoothed [AI11, VVM+09].

Smoothing [BT12, BC14, BH14b, CX99, CC99, CY00, CWZ12, CB14, CNY14, CL14, CH15, DGN12, DBW12, FLT01, HYF05, JR10, KP99, KN02, KN04, KSWX08, LL09, MPR10, NARS14, Q99, QZ00, SSQ04, XY15, ZC09, dE14, LS93, MN93, PZ94].

Smoothing-Type [KN02, KN04].

Smoothness [LZ13].

SNOPT [GMS02].

Sobolev [Tha93].

Sofer [CK99].

Solution [BBT06, BP12, BZ08, FK10, FGG07, GT97a, GLTP98, Gre00, HKK11, HMP+08, HY16, IPRT00, JY04, JS16, KS16a, LW11a, Lin08, LFJ+11, LPV05, QZ08, RS11, Rob07, Rot09, RPK03, DLR14, TM15, Tuy00, ZG03, ZL02, BCT93, DFKS11, GMR91, GLT97, Gow92, HSS93, MT91, MS94b, MP95].

Solutions [Att96, BTNR02, BS98, CG08, CLMP10a, CDL16, CY99, De00, EOL98, GSG12, GJLP14, GHHL06, GL10, GJN06, IS10, KP98, KK05, KRT07, LPR00, LN14a, LJ16, MSFL17, MZ98, Mat05, MOS14, NO09, RW07, Sag16, SFM14, SdM00, SW15, Vog08, WyW04, XS16, ZL12, ZK15, Dan03, MZ00, SM93, Tha93, Ver96, Wan95].

Solvability [Bie16, CLPT06, GS07, RW16].

Solvability/Unsolvability [CLPT06].

Solvability [ABGJ14].

Solver [CF01, LMO06, uDR15, Toh03].

Solver-Based [LMO06].

Solvers [FFG99, Hen15, MS11a].

Solves [CH16].

Solving [AINT17, ACN15, ACS14, AMS16, AGJJ00, BNN16, BD17, BTC08, BBTT12, BY200, BH14a, BV06, BK10, CT06, CH06, CP01b, FMW96, FS17, FI99, GLRT99, GACDI14, HM15, IS02c, JFQS98, KV17, KRS11, Kor00, Lev04, LS97b, LT96, LFJ+11, McB98, MZ99, QSS03, SS17, SBD+11, SNT116, SSN04, SDGM99, SKC12, SBT16, SL15, TA98, TK20, Toh03, Vil05, WST10, XY15, YL11, ZM96, vLYT07, DMZ94, Fre95, Gar93, PY93, QJ95].

Some [AKS00, AHF16, CK99, EW90, FIS10, FP98, Fus14, GS07, GO12, KH05, Kaa11, LPT07, Loc15, LPR98, NY05, PR07a, Pow95, SZ98, Toh00, TK20, Zha98a, dKL10, CL96b, DHLN92, GKK5b, Kan96, Me09, ZC91, Znu02].

SOS [AP14, ND09].

SOS-Convexity [AP14].

Source [BTC08, BLMH06].

Sources [XL09].

Space [Alv04, AJD08, BI99, Bur03, DLW99, HV05, HK06, HK09, KT03, LN05a, Luk08, RZ01, RW12, Sch08, TZ10, ZN11, KS91, Kup96].

Spaces [Bac14, BD17, BP07, BDMS09, BCGH08, CCFP05, CT03, Den97, DFR07, DS12, FLY11, FI08, GYZ14, GNRPT16, HS06, HSK15, Hu07, JJ15, KRS11, KK02].
KT08, KNT10, LPT07, LN02, LJ02, LN03, LN05b, LNP07, LFLL09, LN14b, MM11, N201, NT08, RW16, Sab11, Ulb03, WyW04, Xas10, ZN04, ZN05, ZN07a, ZN07b, ZN08, ZN09, ZN10, ZN14b, Zha02, HK92, Io94, IK96, NT02, Sha94, Tha93. **Sparse** [BYZ00, BH03, Bort97, BSR17, KKW05, LW11a, Lu09, LZ14, MSFL17, ND09, TY11, ZS14a, ZL12, vdBF11, Fle95, YG91]. **Sparsely** [AAJN16]. **Sparsest** [ZK15]. **Sparsification** [ZSY10]. **Sparsity** [BE14, CSPW11, HZ16, KKW09, Las06a, SSSZ10, WKKM06, FKMN00]. **SpaseLoc** [CJSY07]. **Special** [DR07, LM02, Wu96]. **Specialized** [Cas00]. **Specific** [PTZ05]. Specified [Fil99, Fre95]. Spectrahedra [BRS15, GN11, KTT14, KTT15, dCST15]. Spectrahedral [Kum16, SS15]. Spectral [ANP08, BMR00, GHR14, HR00, VVM+09]. Spectrally [See97]. **Spectrum** [DK10]. **Sphere** [BQX15, GH15, Hag01]. **Spheres** [LNQY10, ZCTW12, Mar94]. **Spherical** [Sor97]. **Spline** [DQQY02]. **Split** [HAN11]. **Splitting** [ACP11a, ACP11b, BCH14, BAC11, CR97, Dav15b, Dav15a, GM12b, HLWY14, LP15b, MS14c, RFNP14, ZY14, Li09a, LT92, Man91]. **SQAP** [JK00]. **SQAP-Polytope** [JK00]. **SQP** [BZT02, BCN08, BCN10, DJV06, FLT02, FGL+02, FLRS06, FV16, GMS02, GR14, GR10a, GR10b, GLR15, GH959, HV01, HR14a, HH06, IK96, IS10, JR00, Kup96, LZ03, QW00, QW01, SD00, Wi92, XB99, XYZ15, ZT96, ZT98, ZU11, Zie14]. **SQP-Filter** [FGL+02]. **SQP-Methods** [Zie14, IK96]. **SQP-Semismooth** [HH06]. **SQP-Type** [DJV06]. **Square** [MC05]. **Squared** [SSQ04]. **Squares** [BBT06, Bec15, Ber96, Ber97, BDM90, BCWW15, CGT14, DL16, EZ10, FSP15, FRW11, GLT04, GLN07, GSW97, KV17, KKW05, KS15, Las05, Las06b, PA14, RV06, RM08, Sch06, STY16, VSO8, WKKM06, XZ14a, ZDD00, ZCS10, ZC10, vdBF11, Hei93, Hus94, KSW94, YY95]. **Stability** [AHO98, AW94, AAZ15, AH16, AD15, BCL07, BS98, CPS07, CLPT99, CLMP10a, CM17, CS15, DR00, DHR07, DR14, DGL10, DL13, GM15, GM17, GLT97, GLS05, GTd06, GLY12, Har09, HRS06, HMN10, Her90, JY94, JRS10, KK05, KNT10, K¨uc08b, LTY12, LPR00, Lev02, LZ13, LXL11, LRX14, Mal07, Mat05, MO07b, MR12, MRS14, MN14, MOS14, MOC15, MN16, NT08, NKT10, PVZ07a, PR98, RW07, VVM+09, ZZX16, ZN15, dP02, AW93, JRW94, RS96]. **Stabilization** [LRR98]. **Stabilized** [GR14]. **Stable** [Dah99, FLY11, GLRS15, GR03, GJR08, IK16, JR10, LFLL09, SKC12, YZZ17, ZN15]. **Stage** [BJS07, DR00, FKWS15, LXL11, MÖ07a, MÖ09, MÖ10, OSS11, RSvdBH16, SL15, XY10, ZK14, CM11]. **Stagnation** [Kel99]. **Staircase** [Ent96]. **Standard** [KNP98]. **Start** [YW02, Fre95]. **starting** [BF96]. **Starts** [JKW15]. **State** [BCL07, BDM16, B16b, BLMH06, CdrT08, Ger08, Ger11, Her09, HK10, HSW14, K15, Mal07, PZ03, RT06, Sch09, SW11, Trö05]. **State-Constrained** [BCL07]. **Static** [HMW13]. **Stationarity** [HMW13, HK09, KLT07, Wax14]. **Stationary** [AA06, FT02, FT07, Gün14, JR10, KK05, Mat05, vdLTY06, DT91, HSS93, Sch92]. **Statistical** [LV08]. Statistics [SM99]. **Steady** [BLMH06]. **Steady-State** [BLMH06]. **Steepest** [CT13, CGT10a, CC02, Fle98, Mur03, Zhu95]. **Steepest-Edge** [Fle98]. **Steiner** [BM02, CBF97, FdOF07]. **Steklov** [SSW16]. **Step** [BW14, GAP08, TP02]. **Steps**
Sums [BCH14, KKW05, KS15, Sch06, VS08, WKKM06]. SUMT [Ans96]. Superlinear [CC99, CK00, DJV06, FIS10, GOST01, L SZ98, McS96, NT16, Sim11, YF00, EM91, KS91, MW96, ZTD92, ZTP93].

Superlinearly [Ans96, CC99, CK00, DJV06, FIS10, GOST01, LSZ98, Sim11, YF00, EM91, KS91, MW96, ZTD92, ZTP93].

Support [BH15, FM03, GLHZ11, M ¨O10, Men17]. Supporting [Pan16].

Supporting [BH15, FM03, GLHZ11, M ¨O10, Men17].

Supremum [CHL16, HLZ08, LN11a, MN13].

Supremum-Sum [CHL16].

Surface [DD98, dMM10, MP14a].

Surrogate [KL97, RR15].

Survey [Luc09].

Sweeping [CP15].

Switching [YKI04].

Symmetric [BKS96, CQT03, CHLZ17, CY10, Don14, GS07, GVJS10, HL02, JH14, JS11, KSH97, KSX08, Lim11, LWZ15, LY07, Lu14, LSZ98, Ran06, RFNP14, SW14, Van95, Yos07, KB939, Li93a, Man91].

Symmetric-Matrix-Valued [CQT03].

Symmetries [BDPX09]. Synchronization [Bou16].

System [BPC11, BRU97, CT06, HH06, HY16, LN05a, LN05b, LNP07, Peñ00a, KSW94].

Systems [AGH10, AC02, BddSM15, BD07, CPS07, CLMP10a, CCH05, CCP08, Com14, CP01b, Ded00, Den97, DEA99, EF02, Fay02, FG04a, FP97, FGG07, FG04b, GM17, GST11, HMN10, Id13, JY04, JLL09, JRJ10, Kan14, KRS11, KNT10, LW11a, LNS00, LN02, LNP08, LN14a, LN14b, MN16, NY02, NKT10, Ngu15, QQ03, She14, Son06, Toli03, TP02, YM14, ZL12, ZK15, ZN05,ZW12b, Zua03, ZM06, AW93, DMZ94, GLT97, LL14, YG91].


BKR17, CB14, DSS09, DGN12, GG08, HR12, MC05, NARS14, Nes05, ZH04].

Techniques [BBR16, FdOF07, FV16, KS12, LRR98, MP14b, Kiw96]. Temperature [CF99, Fie00]. Tensor [Bou97, Don14, FS96, FP97, SC91, SVD14, YFHS16].

Tensor-GMRES [FP97]. Tensors [CHLZ17]. Tentacles [Sch06]. Term [Cab05, NYF11, Tse98]. terminates [OL95]. Terminating [AKS00].

Termination [WLLY16]. Terms [LST16, SVD14]. Their [BS15, CM16, GTdS06, IK14, Kan14, MO01, MN13, RW12, dcST15, ACS14, JSC95, TM15, XS16].

Them [FFG99]. Theorem [AHFH16, BHKM14, DGLM14, Don12, FS17, Kas10, KKT15, KB08, MP97, MST11, NT06, ZN11].

Theorems [AAZ15, Dax09, Fay06, FB00, FKP10, JLL09, SN07, Zol03].

Theoretical [LS07a, KBS93]. Theories [DR13]. Theory [BGLW08, BP05, CD00, CT02, CT12, DV97, DEAM97, EA99, GLRS15, HSK15, IS02b, JRS09, MA00, RW17, Wat00, YmZS15, ACC93, BS94, GLT97, Kup96, MS00, Ren95].

Therapy [RAK05]. Theta [GPT10, dCST15]. Threading [GLM98].

Three [BHK+09, NYF11].

Three-Dimensional [BHK+09].

Three-Term [NYF11]. Thresholding [CCS10, CP08].

Tightener [Lau01].

Tikhonov [BBT06]. Tilt [DL13, GM15, LIZ15, MR12, PR98, ZN15].

Time [CW14, Chu16, Den14, GAP08, HG16, HOR99, KS05a, NT16, PW17, PS10b, Pul97, SOT09, TP02, BTN94, DL91, Rad96].

Time-Consistent [Den14]. Time-Delays [Pul97].

Time-Stepping [CW14, GAP08, TP02]. Times [CJ98, KS05a]. TOA [RM08]. Todd [GT97a, GT97b, KT14, TTT98].

Tolerant [CF01]. Tomography [BtM01, JSe00].

Tool [SBD+11]. Topology [AK08, BTN97, BTB93, BTN94].

Torricelli [NARS14]. Torus [GH15].
42

[BBT06, FLY11, LFLL09]. Totally
[RvdVH15]. Trace [MMBS14, PTJY10].
Tracking [LLD+ 02, RR15, IKR+ 91, PR93].
Tractable [BTN02]. Trading
[RS15, SSSZ10]. Traffic [FHKM06].
Trajectories [Cha02, GS98, Tüt03, Yos07].
Trajectory [NF01]. Transfer
[GHGHL06, ZT92]. transformate [See92].
Transformation
[Fuk98, RT05, Wu96, RD95].
Transformations [BM07]. Transforms
[RV06]. Transit [KS05a]. Transitive
[MS02]. Transport [MRT15].
Transportation
[BPS06, DO06, HH96b, Zen91, ZC91].
Transposition [SN07]. Transshipment
[Fle01]. Traveling
[BM02, HP94, JSV91, dKPS09a, dKPS09b].
travelling [BCQW95]. Treatment
[FLS03, RADK05]. Tree
[CBJF97, FdOF07, MP07, PP16]. Triangle
[HAN11]. Triangular [DMZ94].
triangulation [Dan93]. tridiagonal
[DEG+ 91]. Triple [Iid12].
Triple-Hierarchical [Iid12]. Truly [SS00].
Truncated
[FLP02, IS10, LRR98, NLQT06, STKI17,
VS08, XS99, Dix91, NN91a, ZNB+ 93].
Truncated-Newton [XS99, NN91a]. Truss
[BTN97, JKZ98, BTB93, BTN94]. Trust
[AINT17, Ans17, ANP08, BSV14, BP97,
BA13, BKS96, CNY14, CGST96b, CSV09,
DV97, DEAM97, DEAW99, EA99, EGG09,
EG10, FGL+ 02, For05, GJV16, GLRT99,
GST05, GST08, HV01, HR14a, HM02,
JFQS98, Kau99, KS99, LMT09, LM02, LY07,
Ni05, Qi95, QQS03, RSS00, hRK14, TA98,
Tse02, Ulb01, WD05, Wal08, WS11, WT04,
YB16, ZA14, Bur92, CL96a, CGST93, EA95,
Sar95, SW95]. Trust-Region
[AINT17, BSV14, BA13, CSV09, DEAW99,
EA99, EG10, FGL+ 02, For05, GJV16,
GLRT99, GST08, HV01, HR14a, HM02,
LMT09, LY07, Ni05, RSS00, hRK14, TA98,

Tse02, Ulb01, WD05, Wal08, WT04, ZA14,
EGG09, EA95]. Trust-Region-Based
[DV97, DEAM97]. Tseng [MS11c]. TSP
[Che05]. Tubularity [Cha02]. Tucker
[ACS14, HSS93, Pan94, QQS03, VR05].
tuning [Ser95]. Turing [dKV16]. Two
[AHLN16, AHSS12, Ans17, BM16a, BE06,
BJS07, BMZ01, CM11, CVV99, DMZ12,
DR00, FWKS15, HAN11, HM15, Kum16,
LPW12, LH02, LXL11, Mar05, MÖ07a,
MÖ09, MÖ10, Mia96, OSS11, PY97,
RSvdVH16, SNTI16, SDGM99, SL15, XY10,
YB16, Yil08, ZK14, BT94b, DFNS05, Gur94,
HSS93]. Two-Dimensional [AHLN16].
Two-Level [DMZ12]. Two-Parameter
[SNTI16]. two-piece [Gur94]. Two-Player
[HM15]. Two-Row [HAN11]. two-sided
[DFNS05]. Two-Stage
[BJS07, DR00, FWKS15, LXL11, MÖ07a,
MÖ09, MÖ10, OSS11, RSvdVH16, SL15,
XY10, ZK14, CM11]. Two-Step [CVV99].
Two-Trust-Region [Ans17, YB16].
Two-Variable [YB16]. Type
[AMS16, BT14, BW05, BH14a, BKS16,
DJV06, DMVV17, DPS17, HAN11, HM16,
HR14b, IS02a, IS04, KT03, KN02, KN04,
KN05, KT08, LSS14, MSQ98, NLQT06,
Pen00b, SPT08, SSW16, SS00, STY15,
dKHL17, HH06, LFP17, PW07].
unary [GW93]. Unblocking [GG08].
-Porous [RZ01]. unbounded
[ACC93, DvTY91]. uncapacitated [RV93].
Uncertain [BTNR02, BTN02, BRU97,
CG08, EOL98, dMM10, RP12, XS16].
Uncertainty [AZ08, BTN02, CHP+ 09,
GJLVP14, HTT+ 15]. Unconstrained
[Aus10, BM17, Bou97, CGT10a, CP01a,
DHP16, Fuk98, GPR02, GL01, GL03,
GST05, JL05, LW11a, LF01, LFW98,
LRR98, LS02, NYF11, Pap16, PC03, Ray97,
ST10, Sch16, SVD12, SW99, ZX99, ZH04,
DEG+ 91, Iof94, NS91, Ral96, Sch92, SC91].
Underdetermined [LW11a, ZL12].


Underlying [SL14]. Underrelaxed [CH02].
Understanding [Pei00a]. Unification [BBW17].
Unified [Aus99, BT12, DMVV17, GLR14, GHN06, LR10, ND10, Pat98, RHL14, ZN11, BT96, TYF96]. Uniform [DL13, MOT04, RvdVH15, RSvdVH16].
Uniformly [Tha93]. Unifying [BY11, HLZ08, MS92]. Unilaterally [SV07]. Unimodular [RvdVH15]. Uniqueness [Cel07, GS07, HF14, Sha97, SSK98]. Unit [LNQY10, Loc15, MC05, ZCTW12].
Univariate [LS13]. Universal [FG04a, G¨ul97, G¨un14, Vog08, ZSY10]. Unknowns [CHS06]. Unscaled [BGM+16].
Update [BER03, KON98, NWW09, WD05, XB99, YMT04, Dun93, Fle95, GW93, Gur94, KBS93]. Updates [AZ05, YMT04, BT94b, DEG+91, WZ95].
User-Provided [ANRV04]. user-specified [Fre95]. Uses [HY96, Lu97]. Using [ACN15, An05b, AO06, Bar96, BH03, BLG13, BGM+16, BDPP14, CKS15, CNQ97, CGST96b, CV07, GJ16, GM12a, GACD14, Kep99, KSS99, KS16b, LR005, LP15a, MP14b, MW06, RADK05, Sch05, Sim11, VS08, ZFL06, dEH01, CT93, CGST93, DEG91, GLRT99, GNNL1, KW10, MSFL17, Mit94, MP95, SC91, SFP11].
Utility [CH09, DR13]. Uzawa [HZ06b].
Validated [KH05, Kea11]. Value [ABF14, ACL99, CCS10, DMZ12, GJ06, GLYZ14, HG16, KS16b, OF03, SI13, YZ10, MS94b].
Value-At-Risk [KS16b, HG16]. Valued [ACN15, BP07, CQT03, GJ99, LN11b, PZ98, PZ00, PZ03, PW05, GTdS06]. Valuedness [AG14]. values [MTT94]. Vanishing [Cab05]. Variable [AD00, BLPP16, Dav91, Fuk98, KKS03, LPS05, PL508, So198, YB16, Dix91, FM94a].
Variable-Basis [KKS03]. Variables [AB08, CKP12, CL96b, FFK00, LMZ15, PNA10, Py98, SVD12]. Variance [IJOT17, PRRL97, ZS14b]. Variant [GH16, KT14, MT03]. Variants [EL10, IPS03, MS11c, XS16]. Variational [AM00, ABF14, AC11a, AC11b, AT00, AGH10, BP07, B98, BD10, CLM10a, CLM10b, Ceg15, CWZ12, CW14, CMY15, CK99, CH15, DR07, DR96, DR01, FFK98b, GY17, GM17, H10, HS11, HY16, ILR01, IJOT17, JL03, JS16, JW14, KRS11, K55, Lev02, LP08, LN09, LN11b, Lu14, LB00, MP97, Mal15, MZ98, MS12, M1S15, Mor07, MOC15, MN16, Nem04, NV99, Q99, RSS14, RG00, Ro97, RW17, SNS04, SW07, SZ98, SW99, TF96, Tse97a, WyW04, Ye00, YL11, Zas13, ZL01, ZM96, AW93, Fle91, HR12, HR14b, LT92, MZ00, MO07b, Out94, TK96, Wan95].
Varieties [Nie14, SU15]. Variety [VS08]. Various [CT10b]. Varying [KON98]. Vavasis [MT03]. Vector [BP07, BIS05, Cru14, EL09, FM03, FB03, GLHZ11, GJN06, GNRPT16, HYY16, Kas10, MM05, Sch98, WA15, Win08, WST14, ZN11, vdLY07, AM94].
Vector-Valued [BP07]. Verified [MC05]. Version [Ki10, Pfl10, SZ92].
Version-Independence [Pfl10]. Versus [Ans00]. Vertical [MN96]. Vertices [dCT15]. Very [CH17, Bon97]. Via [BDdSM15, GL08a, HLZ08, KRR99, PVZ07a, SU15, AAJN16, AH16, B1TN97, BTKN99, BCW08, BCM03, BT96, CT06, Chu03, FRW11, FV99, FGG04, FKM00, GY17, GM17, G¨ur10, HS11, Io94, IS02b, K12, LRP16, LLD+02, LT96, LXL11, LL09, Lov11, LZ14, MY10, No198, Pan94, PW07, QQS03, RHW93, SNT16, ST03, SW07, TK02, Toh03, Wan11, Zas13, ZA14, ZL02, dP02, dK12]. View [Las14]. Viscosity [Att96, BDS10]. Voltage [Bon97]. Volume [Ans02, Lim11, Yil06, ZG03]. Volumetric
REFERENCES

[Ans98]. Vulnerability [PMDL10].


X [GdW00]. X-Rays [GdW00]. Ye [GT97a, GT97b, KT14, MT03]. Yielding [IPRT00]. Yosida [BHHK00, HSW14, LS97a, MZGS08, WDST14]. Yosida-Based [BHHK00, HSW14].


References

Abramson:2006:CMA

Abramson:2009:ODM

Arutyunov:2007:DRM

Agarwal:2016:LSU
REFERENCES

ISSN 1052-6234 (print), 1095-7189 (electronic).

**Aboussoror:2017:EFL**


**Amelunxen:2012:CFC**


**Aravkin:2014:VPV**


**Allamigeon:2014:CSA**


**Andreani:2008:ALM**

REFERENCES

1286–1309, 2008. CO-
DEN SJOPE8. ISSN 1052-6234 (print), 1095-7189 (electronic).

[Abr05] Mark A. Abramson. Second-
order behavior of pattern search. SIAM Journal on Optimization, 16(2):515–530, 2005. CO-
DEN SJOPE8. ISSN 1052-6234 (print), 1095-7189 (electronic).
URL http://epubs.siam.org/
sam-bin/dbq/article/60367.

DEN SJOPE8. ISSN 1052-6234 (print), 1095-7189 (electronic).
URL http://epubs.siam.org/
sam-bin/dbq/article/60526.

DEN SJOPE8. ISSN 1052-6234 (print), 1095-7189 (electronic).
URL http://epubs.siam.org/
sam-bin/dbq/article/32876.

DEN SJOPE8. ISSN 1052-6234 (print), 1095-7189 (electronic).
URL http://epubs.siam.org/
sam-bin/dbq/article/37585.

DEN SJOPE8. ISSN 1052-6234 (print), 1095-7189 (electronic).

DEN SJOPE8. ISSN 1052-6234 (print), 1095-7189 (electronic). See [AD06].

DEN SJOPE8. ISSN 1052-6234 (print), 1095-7189 (electronic).
URL http://epubs.siam.org/
sam-bin/dbq/article/32339.


[AFH+13] Alekh Agarwal, Dean P. Foster, Daniel Hsu, Sham M. Kakade, and Alexander Rakhlin. Stochastic convex optimization

Andreani:2001:RGN


Artina:2014:LCN


Aussel:2014:EKS


Aussel:2010:SDP


Armand:2000:FB1


Aussel:2005:ASS


Aliev:2010:FIK


Charles Audet, Andrea Ianni, Sébastien Le Digabel, and Christophe Tribes. Reducing the number of function evaluations in mesh adaptive di-


**Appel:2003:ARS**


**Alvarez:2004:WCR**


**Averick:1994:ELS**


**Andreani:2000:RVI**


**Absil:2012:PLR**


**Alvarez-Mena:2005:CAO**


**Andreani:2016:CCC**

Roberto Andreani, José Mário Martínez, Alberto Ramos, and Paulo J. S. Silva. A cone-


Mihai Anitescu. A superlinearly convergent sequential quadratically constrained quadratic programming algorithm for degenerate nonlinear programming.
REFERENCES


Anstreicher:1999:LPO


Anstreicher:2000:EBV


Anstreicher:2002:ICM


Anstreicher:2017:KPC


Adly:2016:PPR


Audet:2006:FOA


Ahmadi:2014:CCG


Le Thi Hoai An and Pham Dinh Tao. Large-scale molecular optimization from distance matrices by a D.C. optimization approach. *SIAM Jour-
REFERENCES

Auslender:2006:IGP

Attouch:1996:VSM

Auslender:1999:PBM

Auslender:2010:CPS
Alfred Auslender. Computing points that satisfy second order necessary optimality conditions for unconstrained minimization.

Auslender:2015:EPM

Attouch:1993:QSV

Artstein:1994:SRS

Anstreicher:2000:NAH
Kurt M. Anstreicher and Margaret H. Wright. A note on

**Andersen:2009:ASM**


**AY08**


**Ai:2009:SDC**


**Averbakh:2008:ERR**


**BAC11**

REFERENCES


REFERENCES

Bonettini:2016:STS

Beck:2006:STR

Beck:2012:SAP

Bucur:2002:POC

Baritonopa:2005:GQA

Bauschke:2007:FFC

Bartz:2017:ROU

Bauschke:2003:IBR
Barone:2005:FAA


Baillon:2009:AEP


Bian:2014:WCC


Bot:2014:PDS


Butnariu:2008:BSP


Baier:2007:SCE


Borwein:2003:PDA


Byrd:2008:ISM

Richard H. Byrd, Frank E. Curtis, and Jorge Nocedal. An inexact SQP method for equality
REFERENCES


REFERENCES

Burke:2014:SQU


Burke:2015:IRL


Bomze:1993:GOA


Benoist:2002:IFS


Bundfuss:2009:ALA


Burachik:2010:IPP


Bauschke:2017:FCD


Bellavia:2015:UCP

[BDdSM15] Stefania Bellavia, Valentina De Simone, Daniela di Serafino,

**Bolte:2007:LIN**


**Buchheim:2016:FAS**


**Bissantz:2009:CAG**


**Bolte:2007:CSS**


**Benita:2016:BOCa**


**Bolte:2007:CSS**

[Stephen Boyd, Persi Diaconis, Pablo Parrilo, and Lin Xiao. Fastest mixing Markov chain on

**BDL+16**


**Bissantz:2009:CAG**


**Bolte:2007:CSS**

REFERENCEs


REFERENCES


REFERENCES


Burke:2015:MSF


Blatt:2007:CIG


Bergounioux:2000:CMY


Beremlijski:2002:SOC


Byrd:1999:IPA


Basu:2014:STD


Beremlijski:2009:SOT


Bergounioux:2014:CMY
to John E. Dennis, Jr., on his 60th birthday.

**Byrd:2016:SQN**


**Buchheim:2015:EBC**


**Blado:2016:SIR**


**Burachik:1998:GPP**


**Bianchi:2016:ECS**


**Bienstock:2016:NPS**


**Billups:2002:HBA**


**Bonnel:2005:PMV**

Bajovic:2017:NLM


Bosch:2007:TSS


Butikofer:2010:NNM


Bampou:2012:PAC


Burachik:2017:NST


Byrd:1996:ASR


Burdakov:2016:MPC

Boggs:1999:GCA


Boggs:1999:PAG


Borwein:1991:CBE


Borwein:1993:PFP


Borwein:1994:SRO


Bonnans:1995:SQP


Burer:2009:NQP


Billups:2013:DFO

REFERENCES

DEN SJOPE8. ISSN 1052-6234 (print), 1095-7189 (electronic).


REFERENCES


**Borwein:1998:CRE**


**Borwein:1998:NSE**


**Baiou:2002:STS**


**Bose:2007:DCA**


**Bienstock:2014:CPO**


**Bauschke:2016:DRA**


**Benita:2016:BOCb**


**Birgin:2017:UQR**

E. G. Birgin and J. M. Martínez. The use of quadratic regularization with a cubic descent condition for unconstrained opti-
REFERENCES

Berger:1994:EDA


Birgin:2000:NSP


Buchheim:2010:IPS


Biegler:1995:RHM


Bertsimas:2004:PCO

Dimitris Bertsimas, Karthik Natarajan, and Chung-Piaw Teo. Probabilistic combinatorial optimization: Moments, semidefinite programming, and asymptotic bounds. *SIAM


REFERENCES

2355–2377, 2016. CODEN SJOPE8. ISSN 1052-6234 (print), 1095-7189 (electronic).


Boyd:1995:CFC


Bonnans:1997:TRI


Beck:2012:SGL


Basu:2015:OPC


Bi:2011:NCF

Bayraksan:2012:FWS


Brixius:1999:NSD


Buttazzo:2006:OPP


Beck:2015:CBC


Bertsekas:1997:RMS


Birge:1995:SCS


Bai:2015:CBE

Burachik:2007:ACA


Brown:1994:CTN


Buchheim:2008:ERP


Bonnans:1998:NQS


Bajbar:2015:CPT


Boyd:2017:ADC

REFERENCES

Bandeira:2014:CTR


Bertsekas:1994:PPM


Boggs:1994:CPC


Burke:1996:UAH


Beck:2000:GOC


Bertsekas:2000:GCG


Baccari:2004:CNS


Beck:2012:SFO


Samuel Burer and Dieter Vandenbergues. Solving lift-and-


REFERENCES


[Cap02] Alberto Caprara. Additive bounding, worst-case analy-

**Castro:2000:SIP**


**Castillo:2000:CBA**


**Chen:2014:FOS**


**Chapeau-Blondeau:1997:DAR**


**Chen:1999:GLS**


**Cominetti:2002:CGP**

REFERENCES


Campa:2000:SCN

Cramer:1994:PFM

Cheng:2014:DRS

Casas:2008:SSO

Cegielski:2015:AQN

Cellina:2007:UCR
A. Cellina. Uniqueness and comparison results for functionals depending on \( \nabla u \) and on \( u \). *SIAM Journal on Optimization*, 18(3):711–716, 2007. CODEN SJOPE8. ISSN 1052-6234 (print), 1095-7189 (electronic).

Cohn:1999:SAS
DEN SJOPE8. ISSN 1052-6234 (print), 1095-7189 (electronic).

[CF01] Qun Chen and Michael C. Ferris. FATCOP: a fault
tolerant Condor–PVM mixed integer programming solver.
May 2001. CODEN SJOPE8. ISSN 1052-6234 (print), 1095-
7189 (electronic). URL http://epubs.siam.org/sam-bin/
dbq/article/32968.

[CG08] M. C. Campi and S. Garatti. The exact feasibility of random-
ized solutions of uncertain convex programs. SIAM Journal on
ISSN 1052-6234 (print), 1095-7189 (electronic).

[CGC15] A. Carè, S. Garatti, and M. C. Campi. Scenario min-max op-
timization and the risk of empirical costs. SIAM Journal on
ISSN 1052-6234 (print), 1095-7189 (electronic).

[CGT10a] C. Cartis, N. I. M. Gould, and Ph. L. Toint. On the complex-
ity of steepest descent, Newton’s and regularized Newton’s meth-
ods for nonconvex unconstrained optimization using inexact pro-
jections on convex constraints. SIAM Journal on Optimization,
3(1):164–221, February 1993. CODEN SJOPE8. ISSN 1052-
6234 (print), 1095-7189 (electronic).

[CGST93] A. R. Conn, N. Gould, A. Sartenaer, and Ph. L. Toint. Con-
vergence properties of an augmented Lagrangian algorithm
for optimization with a combination of general equality and linear constraints. SIAM
Journal on Optimization, 6(3):674–703, August 1996. CO-
DENSJOPE8. ISSN 1052-6234 (print), 1095-7189 (electronic).

[CGST96a] A. R. Conn, Nick Gould, A. Sartenaer, and Ph. L. Toint. Con-
vergence properties of an augmented Lagrangian algorithm
for optimization with a combination of general equality and linear constraints. SIAM
Journal on Optimization, 6(3):674–703, August 1996. CO-
DENSJOPE8. ISSN 1052-6234 (print), 1095-7189 (electronic).

[CGST96b] A. R. Conn, Nick Gould, A. Sartenaer, and Ph. L. Toint. Con-
vergence properties of minimization algorithms for convex
constraints using a structured trust region. SIAM Journal on
ISSN 1052-6234 (print), 1095-7189 (electronic).

[CGT10b] C. Cartis, N. I. M. Gould, and Ph. L. Toint. On the comple-
mentarity of steepest descent, Newton’s and regularized Newton’s meth-
ods for nonconvex unconstrained optimization using inexact pro-
jections on convex constraints. SIAM Journal on Optimization,
3(1):164–221, February 1993. CODEN SJOPE8. ISSN 1052-
6234 (print), 1095-7189 (electronic).

**Correa:2010:VLL**


**Cartis:2011:ECC**


**Correa:2014:EMD**


**Chen:1993:NCM**


**Coleman:1993:GSC**

Thomas F. Coleman and Laurie A. Hulbert. A globally and superlinearly convergent algorithm for convex quadratic


<table>
<thead>
<tr>
<th>Champion:2002:TAC</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Chen:2015:OCM</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Chen:2001:MGO</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Cheung:2005:LSL</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Correa:2016:TSS</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Chen:2012:MBI</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Chen:2017:NCN</th>
</tr>
</thead>
</table>


REFERENCES


REFERENCES

Canovas:2014:CML


Canovas:2007:MRC


Caprara:2000:MSS


Cafuta:2012:CPO


Chaudhury:2015:GRM


Claus:2017:WCR


Conn:1992:SEA


Coleman:1996:ITR


Coleman:1996:RNM

[CL96b] Thomas F. Coleman and Yuying Li. A reflective Newton method
REFERENCES


REFERENCES


REFERENCES


[C12a] Felipe Cucker and Javier Peña. A primal-dual algorithm for solving polyhedral conic systems

**Combettes:2008:PTA**


**Combettes:2015:SQF**


**Camlibel:2007:LSC**


**Chen:2003:ANS**


**Chen:1997:CRF**


**Correa:2004:GAN**


**Cruz:2014:SMV**

<table>
<thead>
<tr>
<th>Reference</th>
<th>Details</th>
</tr>
</thead>
</table>
REFERENCES


well-conditioning, and steepest
descent equation. *SIAM Journal
on Optimization*, 23(1):552–575,
???? 2013. CODEN SJOPE8.
ISSN 1052-6234 (print), 1095-
7189 (electronic).

**Cox:1999:WBH**

Steven J. Cox and Paul X.
Uhlig. Where best to hold
a drum fast. *SIAM Journal
on Optimization*, 9(4):948–
964, September 1999. CO-
DEN SJOPE8. ISSN 1052-6234
(print), 1095-7189 (electronic).
URL http://epubs.siam.org/
sam-bin/dbq/article/32608.
Dedicated to John E. Dennis,
Jr., on his 60th birthday.

**Custodio:2007:USS**

A. L. Custódio and L. N. Vi-
cente. Using sampling and
simplex derivatives in pattern
search methods. *SIAM Journal
on Optimization*, 18(2):537–555,
???? 2007. CODEN SJOPE8.
ISSN 1052-6234 (print), 1095-
7189 (electronic).

**Conn:1999:TSA**

Andrew R. Conn, Luis N. Vi-
cente, and Chandu Visweswariah.
Two-step algorithms for non-
linear optimization with struc-
tured applications. *SIAM Journal
on Optimization*, 9(4):924–
947, September 1999. CO-
DEN SJOPE8. ISSN 1052-6234
(print), 1095-7189 (electronic).
URL http://epubs.siam.org/
sam-bin/dbq/article/33439.

Dedicated to John E. Dennis,
Jr., on his 60th birthday.

**Chen:2014:CRT**

Xiaojun Chen and Zhengyu
Wang. Convergence of regu-
larized time-stepping methods
for differential variational in-
equalities. *SIAM Journal on
Optimization*, 23(3):1647–1671,
???? 2014. CODEN SJOPE8.
ISSN 1052-6234 (print), 1095-
7189 (electronic).

**Chen:2006:FAS**

Lifeng Chen, Yongli Wang, and
Guoping He. A feasible ac-
tive set QP-free method for
nonlinear programming. *SIAM
Journal on Optimization*, 17(2):
401–429, January 2006. CO-
DEN SJOPE8. ISSN 1052-6234
(print), 1095-7189 (electronic).

**Chen:2011:MCN**

Xiaojun Chen, Robert S. Wom-
ersley, and Jane J. Ye. Min-
imizing the condition number
of a Gram matrix. *SIAM
Journal on Optimization*, 21(1):
127–148, ???? 2011. CO-
DEN SJOPE8. ISSN 1052-
6234 (print), 1095-7189 (elec-
siam.org/siop/resource/1/
sjope8/v21/i1/p127_s1.

**Chen:2012:SVI**

Xiaojun Chen, Roger J.-B.
Wets, and Yanfang Zhang.
Stochastic variational ineq-
ualities: Residual minimization

**Chen:1999:GLL**


**Chen:1999:LSC**


**Chen:2008:PBM**


**Chen:2000:SMM**


**Chua:2010:CMN**


**Corman:2014:GPP**


**dAspremont:2008:SOA**

Dahl:1999:SSP


Dai:2002:CPB


Dai:2006:FAP


Duchi:2012:EMD


Dax:1992:RLN


Davidon:1991:VMM


Davis:2015:CRAAb


Davis:2015:CRAa


Dax:1992:RLN

REFERENCES

Dax:2009:NCM


denBoef:2007:ELS


Duchi:2012:RSS


Silva:2015:VSA


Das:1998:NBI


dAspremont:2014:SSA


Dennis:1997:GCT


Dennis:1999:TRA

REFERENCES


REFERENCES


[DHR07] Darinka Dentcheva, René Henrion, and Andrzej Ruszczynski. Stability and sensitivity of optimization problems with first order stochastic dominance con-
REFERENCES


REFERENCES


[dKP12] E. de Klerk and D. V. Pasechnik. Improved lower bounds for the 2-page crossing numbers of
REFERENCES


**[deKlerk:2009:ESP]**


**[DL01]**


**[Ding:1991:PTP]**


**[DiPillo:2001:ALF]**


**[Drusvyatskiy:2013:TSU]**


DeLeone:1994:CCG

Dolan:2006:OMP

Homem-de-Mello:2010:CSM

Dinh:2017:UAR

Dennis:1994:TDM

Dempe:2012:SAT

Dinh:2013:IPP

DeLoera:2006:ALI
Dontchev:2012:GDM


Dong:2014:STA


Dong:2016:RNQ


Dostal:1997:BCQ


DeLeone:2000:AAS


deKlerk:2002:ASN


deKlerk:2001:SGN


Durea:2017:NTD

[DPS17] Marius Durea, Marian Pantiruc, and Radu Strugariu. A new type of directional regularity for mappings and applications to optimization. *SIAM Journal on


REFERENCES


REFERENCES


REFERENCES

Dey:2010:CIG


DiSumma:2011:MSL


Dandurand:2015:DCP


Dentcheva:2015:OMS


Dai:1999:NCG


Deng:2004:WSM


Dégérate:2007:DMN


Dempe:2014:KRN

Stephan Dempe and Alain B. Zemkoho. KKT reformulation and necessary conditions for optimality in nonsmooth bilevel optimization. *SIAM Journal on
REFERENCES

El-Alem:1995:RTR


El-Alem:1999:GCT


Engau:2010:IPW


Eckstein:1994:PBB


Epelman:2002:NCM


Erway:2010:SMM


Erway:2009:IMF

Erdougan:2006:ASM


Eichfelder:2009:ASM


Epstein:2008:PC


ElMaghri:2009:PSC


Epstein:2010:ARC


Epstein:2014:RAS


Engels:1991:LSC


Ermoliev:2014:SAA


Entriken:1996:PDR

REFERENCES


Leonid Faybusovich. Self-concordant barriers for cones generated by Chebyshev systems. *SIAM Journal on Optim...
REFERENCES

Faybusovich:2006:JAA

Faybusovich:2002:JAA

Flores-Bazan:2013:SDC

Flores-Bazan:2006:JAA

Flores-Bazan:2003:REA

Flores-Bazan:2015:CFK

Ferreira:2007:NRT

Ferreira:2007:SML

Ferreira:2007:NRT

Flores-Bazan:2003:REA

Ferreira:2007:NRT

Ferreira:2007:NRT
Fliege:2009:NMM


Ferris:1999:ECP


Facchinei:1998:AIA


Facchinei:1998:RPS


Facchinei:2000:IZV


Forsgren:1998:PDI


Faybusovich:2004:CUB

REFERENCES


Fischer:2014:PBF


Fischer:2016:GCL


Faraci:2008:WPO


Fielding:2000:SAO


Filipowski:1999:CSF


Dedicated to John E. Dennis, Jr., on his 60th birthday.


REFERENCES


References


REFERENCES

CODEN SJOPE8. ISSN 1052-6234 (print), 1095-7189 (electronic).

Friedlander:1994:RLC

Ferreira:1996:SMK
[CODEN SJOPE8 ISSN 1052-6234 (print), 1095-7189 (electronic)].


Fortin:2005:CLN

Fox:1995:FSA

Feng:1997:TGM

Fukushima:1998:SFI

Fukushima:1996:GSC
REFERENCES

Fercoq:2015:APP

Frangioni:2002:GBM

Freund:1995:PRA

Freund:2003:PDG

Fornasier:2011:LRM

Feng:1996:TME

Facchinei:1997:NMF

Friedlander:2005:GCL

Floudas:2008:A CA


Fernandez:2012:LCE


Ferreira:2017:KTN


Fukuda:2012:DEP


Fawzi:2015:ESL


Fukushima:2002:IAS


Fukushima:2007:IAS

[FT07] Masao Fukushima and Paul Tseng. An implementable active-set algorithm for computing a B-stationary point of
REFERENCES


**Friedlander:2008:ERC**


**Fukushima:1998:PVT**


**Fusek:2014:MRW**


**Freund:1999:CBC**


**Feichtinger:2007:DCP**


**Fliege:2016:MCM**


**Fabian:2015:RAO**

REFERENCES

Gupte:2014:SMI


Gavrea:2008:CCS


GarciaPalomares:1993:PPA


Gritzmann:2000:ABI


Greuet:2014:PAP


Gerdts:2008:GCN


Gerdts:2011:EGC

Guoyin:2008:EFD


Gfrerer:2007:SON


Gfrerer:2011:FOS


Gfrerer:2013:DMS


Gfrerer:2014:OCD


Gondzio:2003:RPD


Gondzio:2008:NUT


Graf:2015:FGO

ISSN 1052-6234 (print), 1095-7189 (electronic).


REFERENCES

Gong:1999:SCA


Glover:1996:CCG


Gilbert:1997:RWC


Gotz:1999:LMR


Gobbera:2014:RSM


Gutierrez:2006:UAO


Gunzel:2008:SFS

REFERENCES

Garmanjani:2016:TRM


Grigoriadis:1994:FAS


Gilmore:1995:IFA


Glowinski:1995:SCS


Grigoriadis:1996:IPM


Gockenbach:1999:OSS


Grigoriadis:2001:AMM


Gonzaga:2014:OAC

[GKR14] Clóvis C. Gonzaga, Elizabeth W. Karas, and Diane R.

Gonzaga:2003:GCF


Gill:2001:RHQ


Gill:2003:LMR


Gvozdenovic:2008:CSP


Gvozdenovic:2008:OCN


Gourion:2010:FES


Ghadimi:2012:OSA

DEN SJOPES. ISSN 1052-6234 (print), 1095-7189 (electronic).

Ghadimi:2014:OSA


Ghadimi:2014:SFZ


Goldberg:2015:ASM


Goberna:2005:SEP


Gonzalez-Lima:2011:ASI


Geoghegan:1998:THD


Gratton:2007:AGN

REFERENCES


REFERENCES

Gonzalez-Lima:1998:ECA


Goldfarb:1991:LBF


Goffin:1996:CAI


Guo:2012:SAP


Guo:2014:SAV


Goldfarb:2012:FMS


Gfrerer:2015:CCT

Helmut Gfrerer and Boris S. Mordukhovich. Complete char-


REFERENCES

143


REFERENCES

Gonzaga:1991:LSPb


Gonzaga:1991:LSPa


Gonzaga:1999:CPC


Gondzio:2014:CAI


Gurbuzbalaban:2017:CRI


Gould:2001:SCP


Gould:1999:MFL


Gowda:1992:CSM

[M. Seetharama Gowda. On the continuity of the solution map


REFERENCES


REFERENCES

Gowda:2007:SGU


Gnecco:2012:SST


Gould:2005:FTR


Gratton:2008:RTR


Gratton:2011:CLM


Gulliksson:1997:ACW


Guruswami:2014:CFL

Gonzaga:1992:ILS


Gonzaga:1997:CMT


Gonzaga:1997:QCS


Goberna:2006:SCV


Gu:2000:PDI


Guigues:2016:CAS


Guler:1992:NPP


Guler:1997:SCU

REFERENCES


Gunzel:2014:SPS


Gurwitz:1994:LCT


Gurtuna:2010:DEA


Goffin:1994:SSK


Goffin:2000:MCA


Gratton:2014:MFA


Gillis:2015:SPB


Ghaddar:2011:SOC

Bissan Ghaddar, Juan C. Vera, and Miguel F. Anjos. Second-order cone relaxations for binary quadratic polynomial programs. SIAM Journal on Optimization, 21(1):391–414, ???? 2011. CODEN SJOPE8. ISSN 1052-
REFERENCES

Gunzel:2006:CVF

Guerra-Vazquez:2010:GSI

Goldfarb:1993:PUN

Guo:2014:MPG
REFERENCES

Habbal:1998:NSO


Hager:2001:MQS


He:2011:PCS


Hare:2009:PAN


Hare:2014:NAD


Haber:2012:EMP


Halicka:2002:CCP

REFERENCES

Heinkenschloss:1993:MIN

Heinkenschloss:1996:PSQ

Hendrickson:1995:MPE

Hennig:2015:PIL

Hermant:2009:SAO

Hu:2014:EUC

Houska:2016:ALB

Huang:2016:MAV
REFERENCES


REFERENCES


Raphael A. Hauser and Yongdo Lim. Self-scaled barriers for irreducible symmetric cones. *SIAM
REFERENCES


[H] Hochbaum:2006:OCC


[H] Hartvigsen:2011:MCS

Hesse:2014:NNR

[HL] Ho:2008:IAA

He:2008:SRB


Hong:2016:CAA


Haines:2014:CRW


He:2014:SCP


Hu:2016:CRL


Hantoute:2008:SCR


Hough:2002:CTR


He:2015:ABD

[HM15] Yunlong He and Renato D. C. Monteiro. Accelerating block-decomposition first-order methods for solving composite saddle-

**He:2016:AHT**


**Henrion:2010:SOA**


**Hu:2008:GSL**


**Herzog:2013:SSO**


**Huyer:2003:NEP**


**Huang:2004:FSO**


**Hauser:2005:CNR**


David Hartvigsen and W. R. Pulleyblank. Outer-facial graphs


REFERENCES

Hungerlander:2015:FAS


Ryu:2014:DFT


Heitsch:2006:SMS


Helmberg:1996:IPM


He:2006:SOS


Hare:2010:RPB


Hintermuller:2011:FOO


Hintermuller:2015:GNE

REFERENCES


Hirabayashi:1993:MSK


Haskell:2017:PDA


Hintermuller:2014:LPD


Han:2015:COU


He:2012:ADM


Hu:2007:CLG


Hosseini:2017:RGS

REFERENCES


REFERENCES


REFERENCES


REFERENCES

Ito:1992:CRP


Ito:1996:ALS


Ito:2000:NMC


Izmailov:2014:ANF


Ioffe:2001:VPP


Iwata:2015:CSD

REFERENCES

Ioffe:1994:SAN


Ioffe:2009:ITO


Ioffe:2011:RFS


Ioslovich:2001:RRC


Illes:2000:SPR


Iusem:2003:IVP


Iyengar:2011:ASP


Iwata:2002:CSA

Satoru Iwata and Maiko Shigeno. Conjugate scaling algorithm for
REFERENCES


Izmailov:2002:CCQ


Izmailov:2002:SCA


Izmailov:2004:NTM


Izmailov:2008:ASN


Izmailov:2010:TSM


Izmailov:2012:GCA

Tanigawa:2017:SDP


Iusem:1991:DCR


Iiduka:2009:UCG


Journee:2010:LRO


Jeyakumar:1991:CNP


REFERENCES


REFERENCES

CODEN SJOPE8. ISSN 1052-6234 (print), 1095-7189 (electronic).


Kanzow:1996:GCP


Kanzi:2014:CQS


Kasimbeyli:2010:NCS


Kaufman:1999:RSQ


Kim:2008:MTA


Khalfan:1993:TES


Kotzer:1997:PBA

REFERENCES


Kiwiel:2004:CAI


Kiwiel:2006:PBM


Kiwiel:2007:CGS


Kiwiel:2007:PPB


Kiwiel:2008:MCA


Kiwiel:2010:NVG


Kungurtsev:2017:PCP


Khachiyan:1992:DMS

REFERENCES

CODEN SJOPE8. ISSN 1052-6234 (print), 1095-7189 (electronic).


REFERENCES

Kiwiel:1997:SPM


Kisialiou:2010:PAS


Kolda:2007:SRG


Kasimbeyli:2009:WSD


Kortanek:1993:CCP


Kanzow:2002:SPN


Kanzow:2004:CSP

REFERENCES


REFERENCES

Korzak:2000:CAI


Klarbring:1998:ESD


Kanzow:1999:JSM


Kunisch:2002:PDA


Kunisch:2003:IAS


Kiwiel:1999:PDA


Kassay:2011:IMS

REFERENCES

siam.org/siopt/resource/1/sjope8/v21/i4/p1319_s1.

**Krstanov:2007:ESD**


**Kelley:1991:NPS**


**Kelley:1993:PBM**


**Kelley:1999:TRM**


Dedicated to John E. Dennis, Jr., on his 60th birthday.

**Kleis:2000:OCS**


**Kohler:2005:FTL**


**Kurkova:2005:EEA**


**Kanzow:2010:MPE**

[Christian Kanzow and Alexandra Schwartz. Mathematical programs with equilibrium constraints: Enhanced Fritz John-

**Kannan:2012:DCE**


**Kanzow:2014:NRM**


**Kurdyka:2015:CPP**


**Kanzow:2016:ALM**


**Kouri:2016:RAP**


**Kleywegt:2001:SAA**


**Kojima:1997:IPM**

Kojima:1999:PCI


Kaufman:1994:SLL


Kong:2008:RSN


Kamimura:2003:SCP


Kolda:2004:CAP


Kohsaka:2008:EAF

Fumiaki Kohsaka and Wataru Takahashi. Existence and approximation of fixed points of

**Kitahara:2014:SVM**


**Kellner:2014:CPP**


**Kellner:2015:SHC**


**Kruse:2015:SCI**


**Kučera:2008:CRO**


**Kuchler:2008:SMS**


**Kummer:2016:TRS**


**Kupfer:1996:IDC**

REFERENCES

DEN SJOPES. ISSN 1052-6234 (print), 1095-7189 (electronic).

Karimi:2017:IPQ


Krislock:2010:ESN


Luedtke:2008:SAA


Lasserre:1993:CSI


Lasserre:2001:GOP


Lasserre:2002:EEP


Lasserre:2004:PPL


Lasserre:2005:SSA

[Jean B. Lasserre. Sum of squares approximation of polynomials, nonnegative on a real
REFERENCES


Lasserre:2006:CSR


Lasserre:2006:SSA


Lasserre:2009:CSG


Lasserre:2010:JMA


Lasserre:2011:NLN


Lasserre:2014:LRV


Lasserre:2016:COP


Laszlo:2017:MRD

Laursen:1994:CPB


Laumen:2000:NMC


Laurent:2001:TLS


Lakshmanan:2008:DRA


Li:2011:SSN


Lemaire:1998:DRC


Levy:2000:CMP

A. B. Levy. Calm minima in parameterized finite-dimensional


[Levy:2002:SSV]


[Levy:2004:GAS]


[Lewis:1996:CAH]


[LFJ11]


[Li:2009:STF]

REFERENCES

ISSN 1052-6234 (print), 1095-7189 (electronic).

Liang:2017:AIL

Lin:1998:UCP

Li:1993:GCM

Li:1993:RCM

Li:1997:ACQ
REFERENCES


[Li:2010:AWB]


[Lim:2011:MVS]

[Lin:2008:HOP]


REFERENCES


[LM06] Zhaosong Lu, Renato D. C. Monteiro, and Jerome W.

Lustig:1992:IMP


Lan:2009:PPC


Larson:2016:MSN


Li:2011:WSM


Liu:2017:DRR


Lin:2015:GLC


Lalee:1993:ACS

REFERENCES

ISSN 1052-6234 (print), 1095-7189 (electronic).

Li:2002:BAN

Li:2003:CQS

Li:2005:CQI

Li:2007:MFC

Li:2009:EBG

Li:2011:SCR
REFERENCES


REFERENCES


[LP10] Monique Laurent and Teresa Piovesan. Conic approach to quantum graph parameters using linear optimization over the completely positive semidefinite
REFERENCES


**Li:2015:GCS**


**Liu:2015:EDS**


**Lucidi:1998:SPQ**


**Lucidi:2005:AMM**


**Levy:2000:SLO**

REFERENCES

[Lagarias:2012:CRN]

[Lesaja:2010:UAK]


[Lessard:2016:ADO]

REFERENCES


REFERENCES


[LSZ98] Zhi-Quan Luo, Jos F. Sturm, and Shuzhong Zhang. Superlinear convergence of a symmetric primal-dual path-following algorithm for semidefinite programming. *SIAM*
REFERENCES


REFERENCES


Lewis:2002:GCA


Lewis:2010:ASI


Li:2010:NCL

Yang Li and Tamás Terlaky. A new class of large neighborhood path-following interior point algorithms for semidefinite optimization with \( O(\sqrt{n} \log \frac{\text{Tr}(X^0S^0)}{\epsilon}) \) iteration complexity. SIAM Journal on Optimization, 20(6):2853–2875, ????. 2010. CODEN SJOPE8. ISSN 1052-6234 (print), 1095-7189 (electronic).

Lee:2012:SLQ


Liu:1997:IIO


Lu:2009:SOA


Lu:2014:SCR

Lucidi:1992:NRC  

Luc:1995:TFF  

Luc:2002:MRM  

Lucet:2009:WSY  

Luedtke:2008:NFO  

Luo:1997:ACP  

Li:2015:CMB  
REFERENCES


REFERENCES

Lu:2014:SAP


Lan:2016:CGS


Li:2014:QSF


Moreau:2000:ODF


Mairal:2015:IMM


Malanowski:2007:SAN


Malitsky:2015:PRG


Mangasarian:1991:CII

Mangasarian:1999:PBP


Mangasarian:2004:KBL


Martinez:1994:LMQ


Marshall:2005:EEO


Matsumoto:2005:ACE


Mascarenhas:1997:ASA


Mosk-Aoyama:2010:FDA


Moeller:2014:MMP

REFERENCES

Muhandiramge:2009:CNA


Moazeni:2010:OPE


McShane:1994:SCI

REFERENCES

McShane:1996:SCI


Mehrotra:1992:IPD


Melman:1996:LPB


Mengi:2017:SFD


Mokhtarian:1998:NAC


Mueller-Gritschneider:2009:SAC


Magron:2015:SAP


Miao:1996:TII

Mitchell:1994:IPC

Mitchell:2000:CEI

Mizuno:1995:IIP

Mehrotra:2005:CCK

Mitsos:2008:RBB

Martinez-Legaz:1993:LSF

Miglierina:2005:CMS

Mainge:2008:CNI
REFERENCES

Marinacci:2011:NSC

Mishra:2014:LRO

McKenna:1995:DPQ

Madsen:1993:FSA

Mohan:1996:AGL

Morales:2000:APL

Madi-Nagy:2009:MDM
REFERENCES


REFERENCES

[BORIS MORDUKHOVICH: 2007: CAQ]

[MONTEIRO: 1997: PDP]


**Mahey:1995:PDG**


**Monteiro:1999:PRN**


**Mirkov:2007:TAD**


**Mittelmann:2010:EBQ**

Hans Mittelmann and Jiming Peng. Estimating bounds for quadratic assignment problems associated with Hamming and Manhattan distance matrices based on semidefinite

---


**Monteiro:1999:PRN**


**Mirkov:2007:TAD**


**Mittelmann:2010:EBQ**

Hans Mittelmann and Jiming Peng. Estimating bounds for quadratic assignment problems associated with Hamming and Manhattan distance matrices based on semidefinite

**Mehrotra:2014:CSA**  

**Mehrotra:2014:GMM**  

**Monaci:2014:RKP**  

**Maggioni:2016:BAM**  

**Massaro:2002:CPA**  

**Mordukhovich:2010:AMR**  

**Malick:2009:RMS**  
REFERENCES

Monteiro:1995:PAN


Mahajan:2010:CSD


Mordukhovich:2012:SOS


Mordukhovich:2014:CFS


Mehrotra:1994:PCM


Moussaoui:1994:SAO

REFERENCES


Minchenko:2011:PNP


Monteiro:2011:CVT


Monteiro:2011:ICN


Monteiro:2012:ICN


Mishra:2016:RP


Madani:2017:FLR

REFERENCES

Mifflin:1998:QNB

Monteiro:2015:HPE

Monteiro:1998:GCA

Monteiro:1999:PCN

Monteiro:2003:VVY

More:1991:SLQ

**Monteiro:2004:NIC**


**Mizuno:1994:MPD**


**Mordukhovich:2003:EEP**


**Mutzel:2001:AMC**


**Murray:1994:LSP**


REFERENCES

Meyer:1999:MMS


Marcotte:2000:EWS


Meng:2008:LDF


Naumann:2002:CJS


Nazareth:1991:HPA


Nedic:2001:ISM


Necoara:2016:PRC

[Ion Necoara and Dragoș Clipici. Parallel random coordinate descent method for composite min-


REFERENCES


REFERENCES


[Nemirovski:2007:CAC]

[Nesterov:2014:PDS]

[Nesterov:2017:EAC]

[Nesterov:1998:PDI]

[Ngai:2002:FNO]

[Naddezkhina:2006:SCT]

[Naddezkhina:2008:EBM]

[NT98]
Yu. Nesterov and L. Tunçel. Local superlinear convergence of polynomial-time interior-point

Noll:2004:PAL


Nesterov:1999:HAC


Nesterov:2009:ABU


Ng:2002:EBA


Ng:2005:EBS


Nie:2012:RMS


Nocedal:2009:ABU

REFERENCES


Ng:2001:EBL


Nie:2016:PMS


Outrata:2011:APC


Ordóñez:2003:CEE


Oskoorouchi:2003:ACC


Okuno:2012:REE


O’Leary:1995:WBN

REFERENCES


Onn:1994:AOM


Ogryczak:2002:DSD


Oppezzi:2016:ECO


Ortega:1991:OCG


Overton:1999:D


Oliveira:2011:IBM


Oustry:1999:LME


Outrata:1994:OPV

Overton:1992:LSO


Oberlin:2006:ASI


Papp:2014:SCS


Pang:2016:SHQ


Papp:2016:CLS


Patriksson:1998:CAU

REFERENCES

Patel:2016:KBS


Pataki:2017:BSP


Price:2003:FGU


Pan:2008:CIP


Pena:2000:UGI


Pennanen:2000:DGE


Pfetsch:2008:BCM


Pflug:2010:VIN

REFERENCES

Pang:1991:MLL


Phu:2010:MCF


Pichler:2013:ERM


Parente:2008:CIV


Puleo:2015:CCC


Pinar:2010:OSV


Pironio:2010:CRP


Potra:1996:IIP


Potra:2008:PDA

Pot08  Florian A. Potra. Primal-dual affine scaling interior point


Aubrey B. Poore and Nenad Rijavec. A Lagrangian relax-


[Povh:2007:CPA]


[Pardalos:1997:IVR]


[Penna:2016:NFW]

Peng:2002:PDI


Potra:20197:LSI


Potra:1998:SCP


Padakandla:2010:SCO


Potra:2010:CSC


Pang:2011:NGS


Pong:2010:TNR

Peng:2005:PCA


Pullan:1997:SGD


Pullan:2000:CGC


Pena:2007:CSN


Pendavingh:2007:NKZ


Pochet:1998:SKP


Pflug:2005:PGE


Polak:2006:PCG

[PW06] Elijah Polak and Michael Wetter. Precision control for gen-


Hou-Duo Qi and Liqun Qi. A new QP-free, globally convergent, locally superlinearly convergent algorithm for inequality constrained optimization. *SIAM Journal on Optim-
Qi:2003:SKK


Qi:2000:CPL


Qi:2001:CCP


Qi:2004:GMN


Qi:2014:CLG


Qi:2000:SNM


Quincampoix:2008:PMP

Marc Quincampoix and Nadia Zlateva. Parameterized minimax


G. Ravindran and M. Seetharaman Gowda. Regularization of $P_0$-

**Rubinov:1999:DFA**


**Razaviyayn:2014:UCA**


**Rakowska:1993:MOC**


**Richtarik:2011:IAC**


**Rispoli:1994:MDP**


**Ribeiro:2008:GCF**


**Romero:2008:PBN**

REFERENCES

ISSN 1052-6234 (print), 1095-7189 (electronic).


<table>
<thead>
<tr>
<th>Reference</th>
<th>Title and Authors</th>
</tr>
</thead>
</table>
REFERENCES


REFERENCES

ISSN 1052-6234 (print), 1095-7189 (electronic).


Dedicated to John E. Dennis, Jr., on his 60th birthday.
REFERENCES


[Sch05] Markus Schweighofer. Optimization of polynomials on com-

Schweighofer:2006:GOP


Schiela:2008:SAS


Schiela:2009:BMO


Schopfer:2012:ERP


Schopfer:2016:LCD


Salmann:2000:ASS


Sargent:2000:NSA


Sergeyev:1999:TMS

Ya. D. Sergeyev, P. Daponte, D. Grimaldi, and A. Moli-
REFERENCES

Shapiro:2000:RCO


Schnabel:1999:RMC


Seeger:1992:SDC


Seeger:1997:CAS


Sendov:2007:NAL


Sergeyev:1995:IGO


Shapiro:1995:EO

References


REFERENCES


[252] Sato:2013:ROA


[251] Sim:2011:SCI


[250] Sun:1998:ANM


[253] Sergeyev:2006:GSB


[254] Shahzad:2012:SEM


[256] Stingl:2009:SCS

REFERENCES

ISSN 1052-6234 (print), 1095-7189 (electronic).

Son:2016:SOO

Sojoudi:2014:ESR

Song:2015:APB

Sun:2005:SPA

Shi:2015:EEF

Schultz:1991:IPM

Saruwatari:1993:NBS

Schreiber:1999:CSS
REFERENCES

Stich:2014:OCF


Schichl:2007:TTQ


Sakaue:2016:SGC


Solodov:1998:CCP


Solodov:2007:BMC


Song:2006:CEB


Sorensen:1997:MLS


Schurr:2009:PTI


[SS05] Claudia Sagastizábal and Mikhail Solodov. An infeasible bundle method for nonsmooth convex


REFERENCES


Schultz:2003:RAE


Stein:2009:SAS


Scheinberg:2010:SCG


Saha:2013:NCC


Shefi:2014:RCA


Staib:1992:NOC


Stangl:1999:OSC

Stadler:2004:SNA


Sakaue:2017:ESP


Sturm:2000:EBL


Schiela:2014:OPC


Schneider:2015:CRP


Steffensen:2010:NRS


Sun:2015:CBS


Sun:2016:EIA


Sun:2017:ABC


Sun:2018:ESP


Steffensen:2010:NRS


Schiela:2014:OPC


Schneider:2015:CRP


Sun:2016:EIA

REFERENCES

259


REFERENCES

---

Sen:2014:MSD


---

Shen:2016:FAS


---

Tao:2016:LLC


---

Tran-Dinh:2014:IPP


---

Teboulle:1997:CPL


---

Taji:1996:NMF

Kouichi Taji and Masao Fukushima. A new merit function and a successive quadratic programming algorithm for variational...


Todd:1992:LCI


Toh:2000:SNS


Toh:2003:SLS


Torczon:1997:CPS


Tzitzouris:2002:TSC


Tsang:2016:TAP


Treiman:1995:LNG

Troltzsch:2005:RLM


Tseng:1991:RCP


Tseng:1992:CPF


Tseng:1997:PFI


Tseng:1997:APP


Tseng:1998:FDS


Tseng:2002:CII

REFERENCES


REFERENCES


[Ulbrich:2001:NTR]

[Van95]

[Vandereycken:2014:LRM]

[vanAckooij:2014:CBM]

[Vavasis:1993:BBC]

[Vavasis:2010:CNM]
Vera:2006:ICM


vandenBerg:2011:SOL


vanderLaan:2006:RSP


Velasco:2015:LFR


Vera:1996:IPC


Villavicencio:2005:SMF


Vidal:2016:DAN


**Vogel:2008:UCS**


**Voisei:2008:MPP**


**Vazquez:2005:EKT**


**Vui:2008:GOP**


**Vui:2010:RPP**


**Villa:2014:AIF**


**Vui:2014:GHE**


**Vanbiervliet:2009:SSA**

Joris Vanbiervliet, Bart Vandereycken, Wim Michiels, Stefan Vandewalle, and Moritz Diehl. The smoothed spectral abscissa for robust stability optimization.
REFERENCES

Wei:2015:GBD

Wachsmuth:2014:SSO

Walther:2008:FOC

Wang:1995:ERS

CODEN SJOPE8. ISSN 1052-6234 (print), 1095-7189 (electronic).

Wang:2011:SDR

Warga:1992:NSC

Ward:1996:DDM

Watson:2000:TGC
REFERENCES


REFERENCES


[WLZY07] Z. Y. Wu, D. Li, L. S. Zhang, and X. M. Yang. Peeling off a nonconvex cover of an actual convex problem: Hidden convex-
Wang:2017:SQN


Waldrip:2016:MED


Wright:1991:PDP


Wright:1992:IPA


Wright:1995:WPP


Wright:1998:ICC


Wright:1999:MCF


Dedicated to John E. Dennis, Jr., on his 60th birthday.

Wright:2000:GPD

S. E. Wright. A general primal-dual envelope method

**Wright:2001:EFP**


**Wright:2002:MSD**


**Wright:2005:ADN**


**Wright:2012:ABC**


**Wild:2011:GCR**


**Wang:2010:SLD**


**Wright:2004:FTR**

REFERENCES

275

Wiesemann:2013:PBO


Wu:1996:EET


Wang:2015:FMS


Wu:2001:SCE


Wolkowicz:1995:AIE

Henry Wolkowicz and Qing Zhao. An all-inclusive efficient region of updates for least change secant methods. *SIAM
REFERENCES


[YL11] Xiaoming Yuan and Min Li. An LQP-based decomposition method for solving a class of
REFERENCES


[Yang:2003:FSL] [YLQ03]


[Yang:2015:FMG] [YLS+15]


[Yuan:2016:CDG] [YLY16]


[Yue:2014:AOP] [YM14]


[Yan:2015:CQH] [YmZS15]


[Yan:2015:CQH] [YmZS15]

Yu:2017:SPA

Yoshise:2007:IPT

Yang:2014:PPA

Yildirim:2002:IPA

Yildirim:2002:WSS

Yamashita:2010:PDE

Yun:2014:ICC

Yuan:2017:NRN
REFERENCES


[YZZ17] Jen-Chih Yao, Xi Yin Zheng, and Jiangxing Zhu. Stable min-


REFERENCES


[Zhang:2000:FSF]


[Zhang:2010:DFA]


[Zha00] Shuzhong Zhang. Global error bounds for convex conic...

Zhu:1995:PDS


Zhu:1996:ACA


Zhu:2002:NCC


Ziens:2014:AMI


Zhang:2014:FCD


Zhao:2015:NCM


Zhao:2001:MFP

Zhao:2002:LLN


Zhao:2003:GLS


Zhao:2012:RMS


Zhu:1996:CCR


Zweck:2006:MCO


Zheng:2004:MRC


Zheng:2005:PAE

REFERENCES


REFERENCES

Zheng:2015:HSM

Zou:1993:NEL

Zhu:1999:QCR

Zhao:2010:NCA

Zhu:2010:URE
Zhisu Zhu, Anthony Man-Chung So, and Yinyu Ye. Universal rigidity and edge sparsification

Zulezzi:2003:CNT

Zakeri:2000:ICB
CODEN SJOPE8. ISSN 1052-6234 (print), 1095-7189 (electronic).

Zhou:1992:TMC


Zhang:1992:SQC


Zhang:1993:SCI


Ziems:2011:AMI

J. Carsten Ziems and Stefan Ulbrich. Adaptive multilevel in-

Zualinescu:2003:SEH


Zuluaga:2006:LAC


Zhang:2010:NEM


Zhang:2016:QSA

REFERENCES


Zheng:2007:WSM


Zhang:2014:EMS


Zhang:1996:BPM


Zheng:2016:GMS

Xi Yin Zheng and Jiangxing Zhu. Generalized metric subregularity and regularity with respect to an admissible function.