

# A Bibliography of Publications of Nicholas Ian Gould

Nicholas Ian Gould  
Rutherford Appleton Laboratory

OX11 0QX  
England

Tel: 235 445801  
FAX: (44) 0235 446626

E-mail: nimg@letterbox.rl.ac.uk (Internet)

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## Abstract

[GT03a, GT07].

This bibliography records publications of Nicholas Ian Gould.

## Title word cross-reference

$l[1]$  [GOT03a]. CUTEst [GOT15].  $P^4$   
[ADGR90, DAGR87].  $P^5$   
[ADGR90, DAGR87].

**-penalty** [GOT03a].

**14th** [Ame94].

**65th** [GLT04b].

**7th** [DMW06].

**89h** [CGT89a].

**90** [GOT03c]. **'94** [Ame94]. **95**

**absolute** [GN98]. **absolute-value** [GN98].  
**accurate** [GM81, Gou86]. **Active** [Gou03].  
**Active-Set** [Gou03]. **Adaptive**  
[CGT11a, CGT11b, CGJR16, CGT12a,  
CGT12c, GPT12]. **al.** [DAGR87]. **Algebra**  
[DGDG97b, DGDG97a]. **Algorithm**  
[CGT91e, DAGR87, BCG<sup>+</sup>10, BGNW04,  
CGT12a, CGT92c, CGT92h, CGT92i,  
CGST94a, CGST96a, CGT97b, CGT97a,  
CGT97c, CGT00a, CGOT00, FGL<sup>+</sup>02,  
FGF13, GGM<sup>+</sup>82b, Gou91a, GLRT98,  
GT03c, GLT04a, GT06, GPT12, GOP16].  
**Algorithms**  
[BGNW05, CGT12d, CGST93b, CGST93a,  
CGST93c, ADD<sup>+</sup>94, ADGR90, BGNW03,  
CG84, CGT88a, CGT89a, CGT92b,  
CGST93d, CGST96b, CGJR16, GT99,  
GOST01, GL03, GLT04b, GOST05].  
**alternative** [CGT94a]. **Anal** [CGT89a].  
**Analysis** [GS10, DW97, GS09].  
**Announcement** [CGT92a]. **application**

[BBG<sup>+</sup>12, GT03b]. **Applications** [CGT11c, CGT90b, DGSW10, GLT04b]. **Applied** [Ame94, DMW06]. **approach** [CGT94c]. **approximate** [GS98]. **approximate-inverse** [GS98]. **Approximating** [FGS24, FGS25]. **April** [DGDG97b]. **Arbitrary** [CGT20]. **Arbitrary-Order** [CGT20]. **Arising** [GHN01, CGT94a, GM81]. **Art** [DMW06, DW97]. **Atlanta** [Ame94]. **Augmented** [CGT91e, CGST93b, CGST93a, CGST93c, BDG94, CGST96a, CGJR16, DGP94].

**B** [GOT02]. **barrier** [CGT92c, CGT94a, CGT97b, CGT97c, GT99]. **between** [BCG<sup>+</sup>97a, BCG<sup>+</sup>97b]. **bi** [Gou12]. **bi-projection** [Gou12]. **Bibliography** [GOT00]. **binary** [BBG<sup>+</sup>12]. **birthday** [GLT04b]. **Block** [DDG98]. **Blocks** [GS10, GS09]. **bound** [CGT00a, FGF13]. **Bounds** [CGT20, CGT91e, CGT12b, CGT88a, CGT88b, CGT89a, CGT92c, CGT92h, CGT92i, CGT97b, CGT97a, CGT97c, GGM<sup>+</sup>82b]. **branch** [FGF13]. **buckling** [BBG<sup>+</sup>12].

**Calculations** [CGT97d, ACD<sup>+</sup>93]. **Case** [CGT20, CGT11b]. **Chebyshev** [CGT13a]. **class** [CGT88a, CGT88b, CGT89a, CGST93d]. **classes** [Gou88]. **Combination** [CGST93a, CGST93c, CGST93b, CGST96a]. **comparison** [BCG<sup>+</sup>97a, BCG<sup>+</sup>97b]. **Complete** [Gou91b, GS03, GHS05a, BCG<sup>+</sup>97b, CGT92d]. **Complexity** [CGT10, CGT11c, CGT12b, CGT12d, CGT14b, CGT15, CGT20, CGT11b, CGT12a, CGT12c, CGT13b, CGT13a, CGT14a]. **Componentwise** [GOST02]. **Composite** [CGT11c]. **comprehensive** [CGT91a, CGT91b]. **Computation** [Ame94, GLR14]. **Computing** [ACD<sup>+</sup>93, DMW06]. **conditioned**

[Gou99a, Gou00]. **conditions** [Gou85]. **Congress** [Ame94]. **Constrained** [BCGT95, CGT14b, CGT15, CGT92f, GHN01, Gou03, ACD<sup>+</sup>93, BGNW04, CGT13b, CGT14a, CGT93, CGT94d, Gou89, Gou99b, GOT03b, GOT15, BCGT93]. **Constraint** [KGW00, DGSW05, DGW06, DGSW07]. **Constraints** [CGT20, CGT91e, CGST93b, CGST93a, CGST93c, CGT97d, BGG15, BBG<sup>+</sup>12, CGT12a, CGT92b, CGT92c, CGT92h, CGT92i, CGST93d, CGST94a, CGST96a, CGST96b, CGT97b, CGT97a, CGT97c, CGT00a, GGM<sup>+</sup>82b, GR89]. **context** [CGT94c]. **continuous** [FGF13]. **Convergence** [BCG<sup>+</sup>10, BGNW05, CGT91c, CGT92b, CGST93b, CGST93a, CGST93c, CGST94a, CGST96a, CGST96b, GR10a, GR10b, GLR15, BGNW03, CGT11a, CGT88a, CGT89a, CGST93d, FGL<sup>+</sup>02, Gou89, GT99, GOST01, GOST02, GT03c, GT06]. **Convergent** [CGT91e, CGT92c, CGT92h, CGT92i, CGT97b, CGT97a, CGT97c]. **convex** [CGT12a, CGT12c, CGT92b, CGST93d, CGST94a, CGST96b, CGOT00, GGM<sup>+</sup>82a, GGM<sup>+</sup>84, GT02b, Gou08, GOR13]. **core** [ADGR90]. **Correction** [CGT89a]. **crash** [GR89]. **critical** [CGT14a]. **Cubic** [CGT14b, CGT11a, CGT11b, CGT12a, CGT12c, CGT13b, GPT12]. **Current** [Gou03, CGT94d]. **curvature** [GLRT00]. **CUTE** [BCGT95, BCGT93]. **CUTEr** [GOT03b].

**Data** [CGT91d, CGT89c, CGT90c]. **decomposition** [CGT94c]. **Deficient** [CGT14b, CGT13b]. **definite** [CG86]. **degenerate** [GOR13]. **Denmark** [DMW06]. **Derivative** [CGT12d, GR10a, GR10b, CGT11b, GR12]. **derivative-evaluation** [CGT11b]. **Derivative-Free** [CGT12d]. **derivatives**

[BBG<sup>+</sup>12]. **Descent** [CGT10, CG84].  
**description** [CGT91a, CGT91b].  
**determination** [GM81, Gou86].  
**differentiable** [Gou86, Gou88]. **dimer**  
 [GOP16]. **dimer-type** [GOP16]. **Direct**  
 [DGDG97a, DGDG97b, GS03, GS04,  
 GHS05a, GHS05b, GSH07, SHG04].  
**direct-solution** [GS03]. **direction**  
 [ACD<sup>+</sup>93]. **directions**  
 [CG84, Gou86, GLRT00]. **dual**  
 [CGT00a, CGOT00, GOST01].

**earthquake** [GM81]. **edge**  
 [Gou83a, Gou84a, Gou84b]. **Efficient**  
 [DLG96]. **Element** [DLG94, DLG96,  
 DLG97, DLG95, DDLG96, DDLG97].  
**Element-by-Element** [DLG94, DLG96,  
 DLG97, DLG95, DDLG96, DDLG97].  
**Elimination** [Gou91b]. **Environment**  
 [BCGT95, DGLR87, DGLR90, GOT03b,  
 GOT15, BCGT93]. **epicenter** [GM81].  
**Equality** [CGST93a, CGST93c, GHN01,  
 BGNW04, CGT92h, CGST93b, CGST96a,  
 CGT00a, Gou85]. **Equations**  
 [FGS25, ADD<sup>+</sup>94, DLG95, GOST02, GS03,  
 GLT04a, GS04, GHS05a, GHS05b, GSH07].  
**Erisman** [DAGR87]. **Erratum** [GT12].  
**estimates** [CGL20]. **Euclidean** [BCG<sup>+</sup>10].  
**Evaluation** [CGT11c, CGT12c, CGT14b,  
 CGT15, CGT20, CGT11b, CGT12a,  
 CGT13b, GOT02, GS03, GS04, GHS05a,  
 GHS05b, GSH07, SHG04]. **exact** [CG87].  
**existence** [Gou85]. **experience** [CGJR16].  
**Experiments**  
 [BDG94, DGP94, CGT92g, CGT96].  
**Exploiting** [GLRT00, CGT94b].  
**extrapolated** [Gou12].

**Factorization** [DGSW06, ADGR90,  
 DGW06, DGR<sup>+</sup>90, DGR<sup>+</sup>91, GN98].  
**factorizations** [Gou99b]. **fast**  
 [BGG15, BBG<sup>+</sup>12, GOST02]. **feasibility**  
 [GT03a, GT03b, GT07, Gou08, Gou12].  
**Filter** [GLR14, GLR15, FGL<sup>+</sup>02, GT03a,

GT03b, GT03c, GLT04a, GST05, GT06,  
 GT07, GT10, GT12]. **filter-trust-region**  
 [GT03a, GST05, GT07]. **FILTRANE**  
 [GT03a, GT07]. **Finding** [CG86, CGT14a].  
**findings** [SHG04]. **First**  
 [CGT12d, BBG<sup>+</sup>12, CGT14a, CGT94c].  
**First-Order** [CGT12d, BBG<sup>+</sup>12, CGT14a].  
**Fletcher** [GLT04b]. **following** [GOR13].  
**Foreword** [CGT90d]. **format**  
 [CGT89c, CGT90c, CGT91d]. **Fortran**  
 [CGT92e, CGT92j, GT03a, GOT03c, GT07].  
**Free** [CGT12d, GR12]. **full** [GOST02].  
**full-rank** [GOST02]. **Function**  
 [CGT11c, CGT11b, CGT12a, CGT13a, CG87,  
 CGT94a, CGT00a, Gou89, GT10, GT12].  
**function-** [CGT11b]. **function-evaluation**  
 [CGT12a]. **functions**  
 [CGL20, CGT94c, FGF13, Gou86, Gou88].

**GALAHAD** [GOT03c]. **Gaussian**  
 [Gou91b]. **General** [CGT15, CGT91e,  
 CGST93a, CGST93c, CGT92c, CGT92h,  
 CGT92i, CGST93b, CGST96a, CGT97b,  
 CGT97a, CGT97c, FGL<sup>+</sup>02, GGM<sup>+</sup>82b,  
 Gou83b, Gou85, GT03c]. **generalized**  
 [Gou83a, Gou84a]. **generated** [CGT91c].  
**Georgia** [Ame94]. **Global** [CGT88a,  
 CGST93d, CGST93b, CGST93a, FGL<sup>+</sup>02,  
 GT03c, GT06, GR10a, FGF13, CGT89a].  
**Globally** [CGT91e, CGT92c, CGT92h,  
 CGT92i, CGT97b, CGT97a, CGT97c]. **good**  
 [Gou08, Gou12]. **Gram** [GGM<sup>+</sup>84].  
**Growth** [Gou91b].

**held** [DGDG97b]. **Hellerman** [DAGR87].  
**Hessian** [FGF13, FGS24, FGS25]. **honor**  
 [GLT04b]. **HSL** [GS03, GS04]. **hybrid**  
 [GT03c].

**idea** [GT03b]. **II** [CGT11b]. **ILAY**  
 [DGDG97b]. **ill** [Gou99a, Gou00].  
**ill-conditioned** [Gou00]. **IMACS**  
 [Ame94, Ame94]. **Implicit**  
 [DGSW06, DGW06].

**Implicit-Factorization**[DGSW06, DGW06]. **Improving** [CGT94c].**in-core** [ADGR90]. **Indefinite**[GS10, DGR<sup>+</sup>90, DGR<sup>+</sup>91, GS09, KGW00].**inequality** [CGT92c, CGT92i, CGT97b, CGT97a, CGT97c]. **inexact** [CGST93d].**Inexpensive** [CGT20]. **infinite**[CG84, CG87]. **inner**[CGT92h, CGT92i, CGT97a]. **Input**[CGT91d, CGT89c, CGT90c]. **Institute**[Ame94]. **Intensive** [CGT92d]. **Interior**[Gou03, GOST01, GOT03a]. **Interior-Point**[Gou03, GOT03a]. **International**[DMW06, DGDG97b]. **interval** [CG86].**introduction**[CGT90a, CGT91d, GL03, SHG04]. **inverse**[GS98]. **issue** [GLT04b]. **Issues** [GR10b].**Iterated** [CGST94b, CGST96c].**Iterated-Subspace** [CGST94b, CGST96c].**iteration** [CGT92h, CGT92i, CGT97a].**iterations** [CGT92h, CGT92i, CGT97a].**Iterative** [DGSW06, DGDG97b, Gou99a, Gou00, DGDG97a, GT02a].**J** [CGT89a]. **J.D** [BGG15]. **July** [Ame94].**June** [DMW06, DGDG97b].**Krylov** [CGL20, GOR14].**Lagrangian** [CGT97c, CGT91e, CGT92c, CGST93b, CGST93a, CGST93c, CGST96a, CGT97b, CGJR16]. **LANCELOT**[BCG<sup>+</sup>97a, BCG<sup>+</sup>97b, CGT91a, CGT96, GOT02, CGT92j, CGT90a, CGT91b, CGT92a, CGT92d, CGT92g, CGT92e].**Lanczos** [GLRT99]. **Large**[CGT89b, CGT90b, CGT92j, CGT92f, CGT93, CGT94d, DLG94, FGS25, ACD<sup>+</sup>93, BCG<sup>+</sup>97a, BCG<sup>+</sup>97b, CGT89c, CGT90a, CGT90c, CGT92g, CGT92e, CGT94c, CGT96, DDLG96, DLG97, DDLG97, FGS24, GR89, Gou91a, Gou99b, GT00, GT02a, GT02b, GS03, GOT03c, GS04, GLT04b, GHS05a, GHS05b, GOT05, GSH07, GOR13].**Large-Scale** [CGT92j, CGT92f, FGS25, CGT93, CGT94d, ACD<sup>+</sup>93, BCG<sup>+</sup>97a, BCG<sup>+</sup>97b, CGT89c, CGT90c, CGT92g, CGT92e, CGT94c, CGT96, DDLG96, FGS24, Gou91a, Gou99b, GT00, GT02a, GT02b, GOT03c, GOT05, GOR13].**Leading** [GS10, GS09]. **Least**[CGT14b, CGT15, BCG<sup>+</sup>10, CGT09, CGT13b, FGS24, GLT04a, GT07].**Least-Squares** [CGT14b, CGT15, BCG<sup>+</sup>10, CGT09, CGT13b, GLT04a, GT07]. **library**[GOT03c]. **Linear**[BGNW05, CGST93a, CGST93c, DLG96, DDG98, DGDG97b, ADD<sup>+</sup>94, BGG15, BGNW03, BGNW04, CGT09, CGST93b, CGST96a, CGT00a, DLG95, DDG99, DGDG97a, FGS24, Gou82, Gou83a, Gou84a, Gou84b, GR89, Gou99a, Gou00, GS03, GS04, GHS05a, GHS05b, GSH07, Gou12, KGW00].**Linear-Quadratic** [BGNW05]. **linearly**[ACD<sup>+</sup>93, Gou99b]. **linsearch**[GLRT98, GLRT00, GOP16]. **Lipschitz**[FGF13]. **Local** [CGST93c, GR10b, GLR15].**location** [CG84]. **Lyngby** [DMW06].**mathematical** [CGT91d, GOT15].**Mathematics** [Ame94]. **Matrices**[FGS25, GS10, ADGR90, CGT91c, DGR<sup>+</sup>90, DGR<sup>+</sup>91, FGS24, GS09]. **matrix** [CG86].**mature** [GT04a]. **memory** [GLRT98].**Method**[DGLR87, GR10a, GR10b, GLR14, GLR15, BBG<sup>+</sup>12, DGLR90, GGM<sup>+</sup>84, Gou89, GLRT99, GT02a, GOT03a, GST05, GR12].**Methods**[CGT10, CGT14b, CGT15, CGST94b, CGT97d, DGDG97b, Gou03, BGG15, CGT11a, CGT11b, CGT12c, CGT13b, CGT88b, CGT94a, CGST96c, CGT00b, CGJR16, DGDG97a, GGM<sup>+</sup>82a, Gou82, Gou99a, GLRT00, Gou00, GT00, GT02b, GOT05, Gou08, Gou12, GOR13, GOR14].**Michael** [BGG15]. **Minimization**

[CGT11c, CGT12d, CGST94b, CGT88b,

CGT92b, CGST94a, CGT94a, CGST96b, CGST96c, Gou89, GN98, GS98].

**minimizers** [CGL20]. **minimizing**

[CGT13a, CGT00a]. **MINOS**

[BCG<sup>+</sup>97a, BCG<sup>+</sup>97b]. **mixture**

[GGM<sup>+</sup>82b]. **models** [BGG15, CGT94a].

**modified** [GN98, Gou99b]. **monotone**

[GT06]. **monotonic** [CGL20]. **motivation**

[CGT11a]. **MR0933734** [CGT89a].

**MR2533756** [GT12]. **multidimensional**

[GLT04a]. **Multifrontal**

[DGLR87, CGLT94, DGLR90].

**necessary** [GT99]. **negative** [GLRT00].

**Nesterov** [CGT13a]. **net** [GM81]. **Newton**

[CGT10, CGT91c]. **no** [CGT89a]. **non**

[CGOT00, GT02b, GT06]. **non-convex**

[CGOT00, GT02b]. **non-monotone** [GT06].

**Nonconvex**

[CGT10, CGT11c, CGT12d, CGT20,

CGT12a, CGT00a, GT02a, GLT04b].

**Nonlinear** [CGT11c, CGT14b, CGT15,

CGT92j, CGT92f, CGST94b, CGT97d,

DG00, GT10, GLR14, ACD<sup>+</sup>93, BCG<sup>+</sup>10,

BCG<sup>+</sup>97a, BCG<sup>+</sup>97b, BGNW04, CGT13b,

CGT14a, CG84, CGT89c, CGT90a, CGT90c,

CGT91d, CGT92a, CGT92g, CGT92h,

CGT92i, CGT92e, CGT93, CGT94d,

CGST96c, CGT96, CGT97a, CGOT00,

FGL<sup>+</sup>02, Gou88, GT00, GOST01, GOST02,

GT03a, GT03b, GT03c, GOT03c, GL03,

GOT03a, GT04a, GLT04a, GOT05, GT06,

GT07, GLT04b, GT12]. **Nonmonotone**

[GLR15]. **norm** [CGL20, GN98, GS98].

**norm-minimization** [GS98]. **note**

[BGG15, CGT13a, CGT94b, CGT94a, GT99].

**number** [CGT92h, CGT92i, CGT97a].

**Numer** [CGT89a]. **Numerical**

[CGT92g, CGT96, Gou82, GT02b, GOT05,

GLR15, BCG<sup>+</sup>97a, BCG<sup>+</sup>97b, CGT11a,

CGT92d, CGJR16, DW97, GM81, GOT02,

GS03, GS04, GHS05a, GHS05b, GSH07].

**occurring** [GM81]. **one** [CGT91c].

**optimality** [CGT12b]. **Optimization**

[CGT10, CGT14b, CGT15, CGT20, CGT89b,

CGT90b, CGT91e, CGT92j, CGT92f,

CGST93b, CGST93a, CGST93c, CGST94b,

CGT97d, DLG94, DG00, DGSW10,

DGDG97b, GHN01, Gou03, GLR14,

ACD<sup>+</sup>93, BCG<sup>+</sup>97a, BCG<sup>+</sup>97b, BBG<sup>+</sup>12,

BGNW04, CGT11a, CGT11b, CGT12a,

CGT12b, CGT12c, CGT13b, CGT14a,

CGT88a, CGT89a, CGT90a, CGT92a,

CGT92c, CGT92g, CGT92h, CGT92i,

CGT92e, CGST93d, CGT93, CGT94c,

CGT94d, CGLT94, CGST96a, CGST96c,

CGT96, CGT97b, CGT97a, CGT97c,

DDLG96, DLG97, DDLG97, DGDG97a,

FGF13, GLRT98, Gou99a, Gou99b, GLRT00,

Gou00, GOT03c, GL03, GOT03a, GT04a,

GLT04b, GST05, GOT05, GRT10, GOT15].

**Oracle** [CGT12d]. **Order**

[CGT12d, CGT15, CGT20, BBG<sup>+</sup>12,

CGT12b, CGT14a, CGT94a, GT99]. **other**

[CGT09, GRT10]. **outer**

[CGT92h, CGT92i, CGT97a].

**Package** [CGT92j, CGT92a, CGT92g,

CGT92e, CGT96, GT03a, GT07]. **packages**

[BCG<sup>+</sup>97a, BCG<sup>+</sup>97b, GS03, GOT03c,

GS04]. **paper** [CGT89a]. **Papers** [DMW06].

**PARA** [DMW06]. **Parallel**

[ADD<sup>+</sup>94, DMW06, DGLR87, DGLR90].

**parameter** [GPT12]. **parameters**

[GOST05]. **parametric** [CG86]. **part**

[DGDG97b, Gou84a, Gou84b, CGT11a,

CGT11b]. **Partially** [DLG94, CGT94c,

CGLT94, DDLG96, DLG97, DDLG97].

**penalty** [CG87, Gou86, Gou88, Gou89,

GOT03a, GT10, GT12]. **Performance**

[CGLT94]. **Pivoting** [Gou91b]. **Point**

[DGSW06, DGSW10, Gou03, GS10,

DGSW05, DGSW07, GOST01, GOT03a,

GS09, GOR14]. **points** [CGT14a, GT99].

**positive** [CG86]. **Potentially**

[CGT14b, CGT13b]. **Powell** [BGG15].

**Practical**

[DAGR87, GR10b, CGJR16, Gou85]. **practicalities** [Gou84a, Gou84b]. **practice** [GLT04b]. **Preconditioners** [DLG94, DLG96, DLG95, DDLG96, DLG97, DDLG97, DDG99, DGSW05, DGW06, DGSW07, GS98]. **Preconditioning** [DGSW06, DGSW10, GOP16, KGW00]. **predictor** [GR12]. **Preface** [GLT04b, BGG15]. **preliminary** [SHG04]. **Preprocessing** [DLG96, GT04b]. **primal** [CGT00a, CGOT00, GOST01]. **primal-dual** [CGOT00, GOST01]. **problem** [GM81, Gou85, GT03b]. **Problems** [CGT10, CGT14b, DLG94, GHN01, CGT09, CGT13b, CGT88b, CGT89c, CGT90a, CGT90c, CGT91d, DDLG96, DLG97, DDLG97, DGSW05, DGSW07, GGM<sup>+</sup>82a, GGM<sup>+</sup>82b, Gou88, GT03a, GT07, Gou08, Gou12]. **procedures** [GR89]. **proceedings** [Ame94, DGDG97b]. **Programming** [BGNW05, CGT11c, GOT00, GHN01, BBG<sup>+</sup>12, BGNW03, BGNW04, CG84, CG87, CGT89c, CGT90c, CGT91d, CGOT00, FGL<sup>+</sup>02, GGM<sup>+</sup>82a, GGM<sup>+</sup>82b, GGM<sup>+</sup>84, Gou82, Gou83a, Gou84a, Gou84b, Gou85, Gou88, Gou91a, GT00, GOST01, GT02a, GT02b, GT03c, GLT04b, GT04b, GT06, GT10, GT12, GOR13]. **programs** [Gou83b]. **project** [CGT90a]. **Projected** [GOR14]. **projection** [Gou08, Gou12]. **projections** [CGST93d]. **Properties** [CGST93b, CGST93c, CGT92b, CGST94a, CGST96a, CGST96b]. **proposal** [CGT89c, CGT90c].

**Quadratic** [BGNW05, GOT00, GHN01, BGG15, CGL20, GGM<sup>+</sup>82a, GGM<sup>+</sup>82b, GGM<sup>+</sup>84, Gou82, Gou83b, Gou85, Gou91a, GT02a, GT02b, GT04b, GOR13]. **quasi** [CGT91c]. **quasi-Newton** [CGT91c].

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**Saddle** [DGSW06, DGSW10, GS10, DGSW05, DGSW07, GS09, GOR14, GOP16]. **Saddle-Point** [DGSW06, DGSW10, DGSW05, DGSW07, GOR14]. **safe** [GOT03c, GOT15]. **Scale** [CGT89b, CGT90b, CGT92j, CGT92f, DLG94, FGS25, ACD<sup>+</sup>93, BCG<sup>+</sup>97a, BCG<sup>+</sup>97b, CGT89c, CGT90a, CGT90c, CGT92g, CGT92e, CGT93, CGT94c, CGT94d, CGT96, DDLG96, DDLG97, FGS24, Gou91a, Gou99b, GT00, GT02a, GT02b, GOT03c, GLT04b, GOT05, GOR13]. **scaling** [DGP94]. **scheme** [CGLT94]. **Schmidt** [GGM<sup>+</sup>84]. **Scientific** [DMW06]. **SDIF** [CGT91d]. **search** [ACD<sup>+</sup>93, Gou86, GOP16]. **Secant** [FGS25]. **Second** [CGT15, GR10a, GR10b, CGT12b, CGT94a, GT99, GR12]. **second-derivative** [GR12]. **Second-Order** [CGT15, CGT12b, CGT94a, GT99]. **seismic** [GM81]. **Selected** [DMW06]. **semi**

[CG86, CG87]. **semi-definite** [CG86]. **semi-infinite** [CG87]. **Sensitivity** [GOST05]. **Separable** [DLG94, CGT94c, CGLT94, DDLG96, DLG97, DDLG97]. **September** [DGDG97b]. **sequential** [Gou89]. **Set** [Gou03, GT02a]. **Sharp** [CGT20]. **SIAM** [CGT89a]. **SifDec** [GOT03b]. **Simple** [CGT91e, CGT88a, CGT88b, CGT89a, CGT92c, CGT92h, CGT92i, CGT97b, CGT97a, CGT97c, Gou86, Gou88]. **slack** [CGT94b]. **Smooth** [CGT12d, CGT13a]. **Solution** [DLG95, DLG96, DDLG96, DDLG97, GHN01, GM81, Gou83b, GOST02, GS03, GS04, GHS05a, GHS05b, GSH07]. **solutions** [Gou85]. **Solve** [DLG94]. **Solvers** [DGSW06, GHS05a, GHS05b, GSH07, SHG04]. **Solving** [DDG98, GLRT99, BDG94, CGT88b, Gou88, GT03a, GT07, GRT10]. **Some** [Gou03]. **space** [GGM<sup>+</sup>82a, GGM<sup>+</sup>82b]. **spaces** [CGL20]. **Sparse** [DLG96, GS98, ADGR90, DGR<sup>+</sup>90, DGR<sup>+</sup>91, FGS24, GS03, GS04, GHS05a, GHS05b, GSH07, SHG04]. **Special** [GLT04b]. **Spectral** [GS09, GS10]. **SQP** [FGL<sup>+</sup>02, GT00, GT03c, GR10a, GR10b, GR12, GLR15]. **SQP-filter** [FGL<sup>+</sup>02, GT03c]. **Squares** [CGT14b, CGT15, BCG<sup>+</sup>10, CGT09, CGT13b, FGS24, GLT04a, GT07]. **stability** [Gou83b]. **standard** [CGT89c, CGT90c, CGT91d]. **State** [DMW06, Gou03, DW97]. **Steepest** [CGT10, Gou83a, Gou84a, Gou84b]. **Step** [GLR14, GR12]. **Stretching** [DDG98]. **structure** [CGT90a, CGT94b]. **structured** [ADD<sup>+</sup>94, CGT92b, CGST94a, CGST96b, DLG95, DDG99]. **subject** [CGT00a]. **subproblem** [GLRT99]. **subproblems** [BGNW04, CGT94a, GRT10]. **Subspace** [CGST94b, DDG99, CGST96c]. **Subspace-by-subspace** [DDG99]. **Successive** [BGNW05, BGNW03]. **Superlinear** [GOST01]. **Supplement** [CGT97c]. **survey** [CGT94d]. **symmetric** [CGT91c, DGR<sup>+</sup>90, DGR<sup>+</sup>91, GS03, GS04, GHS05a, GHS05b, GSH07, SHG04]. **Systems** [DLG96, DDG98, DGSW06, DGSW10, ADD<sup>+</sup>94, BDG94, DLG95, DDG99, DGP94, GR89, Gou99a, Gou00, GOST02, GS03, GS04, GHS05a, GHS05b, GSH07, GOR14, KGW00]. **techniques** [GS98]. **Technology** [Ame94]. **Testing** [BCGT93, BCGT95, CGT88b, GOT03b, GOT15]. **tests** [CGT92d]. **their** [GOST05]. **theory** [GLT04b]. **thread** [GOT03c]. **thread-safe** [GOT03c]. **threads** [GOT15]. **three** [Gou88]. **Topics** [DG00]. **topology** [BBG<sup>+</sup>12]. **Toulouse** [DGDG97b]. **Trajectory** [GOR13]. **Trajectory-following** [GOR13]. **Trust** [CGT09, CGT00b, BGG15, CGT88a, CGT89a, CGT92b, CGST93d, CGST94a, CGST96b, CGOT00, FGL<sup>+</sup>02, GN98, GLRT99, GT03a, GT03c, GST05, GOST05, GT06, GT07, GRT10, GR12]. **Trust-region** [CGT09, CGT00b, CGOT00, FGL<sup>+</sup>02, GN98, GLRT99, GT03c, GOST05, GT06, GRT10]. **trust-region-free** [GR12]. **two** [CGST93b, CGST93a, CGST93c]. **type** [GOP16]. **Unassembled** [DLG96, DDG98]. **Unconstrained** [BCGT93, BCGT95, CGT10, CGT11a, CGT11b, CGT12b, CGT12c, DDLG97, GLRT98, GLRT00, GOT03b, GST05, GOT15]. **Unified** [GLR14]. **uniqueness** [Gou85]. **update** [CGT91c]. **Updating** [GPT12]. **USA** [Ame94]. **Use** [ADGR90, DLG94, DDG98, DAGR87]. **Using** [CGT15, DLG96, DGSW05, DGSW07, FGS25, BBG<sup>+</sup>12, BGNW04, CGT92b, CGST93d, CGST94a, CGT94b, CGT94a, CGST96b, DLG95, DDLG96, DDLG97, FGS24, GS98, GLRT99].

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**Weighted** [GGM<sup>+</sup>84]. **without** [GT10, GT12]. **working** [GT02a]. **working-set** [GT02a]. **Workshop** [DMW06, DGDG97b]. **World** [Ame94]. **Worst** [CGT20, CGT11b]. **Worst-Case** [CGT20, CGT11b].

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