# A Bibliography of Publications of Nicholas Ian Gould

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## Abstract

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## 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** [GT03a, GT07].

**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+10, BGNW04, CGT12a, CGT92c, CGT92h, CGT92i, CGST94a, CGST96a, CGT97b, CGT97a, CGT97c, CGT00a, CGOT00, FGL+02, FGF13, GGM+82b, Gou91a, GLRT98, GT03c, GLT04a, GT06, GPT12, GOP16]. **Algorithms** [BGNW05, CGT12d, CGST93b, CGST93a, CGST93c, ADD+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+12, GT03b]. **Applications** [CGT11c, CGT90b, DGSW10, GLT04b]. **Applied** [Ame94, DMW06]. **approach** [CGT94c]. **approximate** [GS98]. **approximate-inverse** [GS98]. **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].

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**held** [DGDG97b]. **Hellerman** [DAGR87]. **Hessian** [FGF13]. **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].

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**Krylov** [CGL20, GOR14].

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**Ranck** [DAGR87]. **Range** [GGM+82a, GGM+82b]. **Range-space** [GGM+82a, GGM+82b]. **Rank** [CGT14b, CGT13b, CGT91c, GOST02]. **Rank-Deficient** [CGT14b, CGT13b]. **Reflections** [Gou03]. **region** [BGG15, CGT09, CGT88a, CGT89a, CGT92b, CGST93d, CGST94a, CGST96b, CGOT00, CGT00b, FGL+02, GN98, GLRT99, GT03a, GT03c, GST05, GOST05, GT06, GT07, GRT10, GR12]. **regularisation** [CGT11a, CGT11b]. **regularisations** [CGT09]. **regularised** [GRT10]. **Regularization** [CGT14b, CGT12a, CGT12c, CGT13b, GPT12]. **Regularized** [CGT10, DGSW06, BCG+10, CGL20, DGSW05, DGSW07]. **Related** [DG00]. **Release** [CGT92a, CGT92j, CGT92e, CGT92d, CGT92g, CGT96]. **Relevance** [CGT14b, CGT13b]. **residual** [BCG+10]. **Results** [GOT02, GLR15, BCG+97b, CGT11a, CGT92d, GS03, GHS05a]. **Revised** [DMW06, CGST94a]. **revisited** [GOT03b]. **Roger** [GLT04b]. **Rosenbrock** [CGT13a].

**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, ACD+93, BCG+97a, BCG+97b, CGT89c, CGT90a, CGT90c, CGT92g, CGT92e, CGT93, CGT94c, CGT94d, CGT96, DDLG96, DDLG97, Gou91a, Gou99b, GT00, GT02a, GT02b, GOT03c, GLT04b, GOT05, GOR13]. **scaling** [DGP94]. **scheme** [CGLT94]. **Schmidt** [GGM+84]. **Scientific** [DMW06]. **SDIF** [CGT91d]. **search** [ACD+93, Gou86, GOP16]. **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+82a, GGM+82b]. **spaces** [CGL20]. **Sparse** [DLG96, GS98, ADGR90, DGR+90, DGR+91, GS03, GS04, GHS05a, GHS05b, GSH07, SHG04]. **Special** [GLT04b]. **Spectral** [GS09, GS10]. **SQP** [FGL+02, GT00, GT03c, GR10a, GR10b, GR12, GLR15]. **SQP-filter** [FGL+02, GT03c]. **Squares** [CGT14b, CGT15, BCG+10, CGT09, CGT13b, 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+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+90, DGR+91, GS03, GS04, GHS05a, GHS05b, GSH07, SHG04]. **Systems** [DLG96, DDG98, DGSW06, DGSW10, ADD+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+12]. **Toulouse** [DGDG97b]. **Trajectory** [GOR13]. **Trajectory-following** [GOR13]. **Trust** [CGT09, CGT00b, BGG15, CGT88a, CGT89a, CGT92b, CGST93d, CGST94a, CGST96b, CGOT00, FGL+02, GN98, GLRT99, GT03a, GT03c, GST05, GOST05, GT06, GT07, GRT10, GR12]. **Trust-region** [CGT09, CGT00b, CGOT00, FGL+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, BBG+12, BGNW04, CGT92b, CGST93d, CGST94a, CGT94b, CGT94a, CGST96b, DLG95, DDLG96, DDLG97, GS98, GLRT99].

**value** [GN98]. **variables** [CGT88b, CGT94b]. **via** [Gou88].

**Weighted** [GGM+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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