

# A Bibliography of Publications by, and about, Michael J. D. Powell

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## Abstract

This bibliography records publications of Michael J. D. Powell.

## Title word cross-reference

*A* [IP81]. · [YGL10].  $\ell_\infty$  [BPR72].  $L_1$  [PR80, PY84].  $L_2$  [Pow68b].  $L_\infty$  [PBR71, PY84].  $LDL^T$  [FP74].  $QR$  [CP88].  $\sqrt{3}$  [VWBD02].

-acceptability [IP81]. -approximation [BPR72]. -subdivision [VWBD02].

**0-19-853614-3** [Gri87].

**12th** [Jac77]. **13th** [GW90]. **14th** [GW92].  
**15th** [Jac77]. **18th** [WG00]. **1968** [Mor69].  
**1970** [RMR70]. **1973** [Eva74]. **1974** [GM74].  
**1975** [Dix76, Wat76]. **1976** [Jac77, Pré79].  
**1977**

[GL79, MMR78, Pow77a, Ric77, Wat78].  
**1981** [Wat82]. **1982** [BGK83]. **1983**  
[CSW83, CO80, GMSV84]. **1984** [BBS85].  
**1985** [MC87]. **1986** [IP87, Gri87]. **1988**  
[MC90]. **1991** [GW92]. **1992** [LLC92]. **1996**  
[BI97].

**2004** [DR06]. **2015** [BFIT18]. **23-27**  
[Pré79]. **29th** [WG00]. **2D** [LZ13]. **2D-3D**  
[LZ13]. **2nd** [WG00].

**3D** [LZ13].

**6H2O** [YGL10]. **6th** [Pow77a, Wat76].

**'87** [MT88].

**9th** [Pré79, Wat82].

**A&M** [CSW83]. **Accelerating** [AMF06]. **acceptability** [IP81]. **accuracy** [HP77]. **achieve** [DP91a]. **Action** [Dix76]. **Ado** [Kah87]. **advances** [Pow71b]. **AIC13** [YGL10]. **Algebra** [HS87]. **algebraic** [Pow68a, Pow70a]. **Algorithm** [AMF06, GSYP18, Qia17, RSR22, TtJ15, XJY+13, ZCW+20, AF03, AOF21, BPR72, CP87, DMP94, FGP05, KYO05, LZ13, Pow70e, Pow70f, Pow71a, PBR71, Pow72c, Pow76c, Pow77d, Pow78c, Pow81b, Pow85a, PY86, Pow88a, Pow89b, Pow90a, PY91, Pow92a, Pow93a, Pow95a, Pow97a, Pow98b, Pow00, SWL+06, TZP17, ZTBL11, WA15]. **Algorithms** [MC87, MC90, Pow75c, Pow78a, Pow79a, Pow86a, Pow87b, Pow98a, CPLP82, CP66b, DSS80, Pow72a, Pow72b, Pow73c, Pow74d, Pow75a, Pow83a, Pow84b, Pow84c, Pow88c, Pow90c, Pow94b, Pow96a, Pow98d, Pow07, Pow12, MC87, MC90]. **AMS** [RSS96]. **AMS-SIAM** [RSS96]. **Analysis** [AOF21, BC10, DW97, Gri87, GW92, IP87, Jac77, LD15, Wat78, Wat82, DMP94, GW90, Pow77a, RSS96, Wat76, WG00, ZTBL11]. **antenna** [LD15]. **Application** [Qia17, TZP17, HP84, KYO05]. **Applications** [Eva74, LLC92, PS00, RSR22, Fle69]. **Applied** [GL79, MT88, RSS96]. **Applying** [PR68b, PR68a, PR69]. **approach** [BS76]. **Approximation** [BI97, CP66a, GMSV84, Pow81a, BPR72, BP92b, MC87, MC90, PBR71, PR80, Pow83a, Pow90b, Pow92e, Pow02, CSW83, Chu82]. **Approximations** [Pow67c, PS77, BP94, CP66b, IP81, Pow68b, Pow69b, Pow88b, Pow98d]. **April**

[BFIT18, Eva74, IP87, Jac77].

**Aproksimatsiya** [Pau02]. **Arieh** [PN08].

**array** [MCPS86]. **Art**

[BGK83, DW97, Gri87, IP87, Jac77].

**Artificial** [LSLM15, DÖAK12]. **augmented** [Miz99]. **August**

[BGK83, CO80, Mor69, Pré79, RSS96].

**Automatic** [WA15].

**Bad** [Pow86b]. **balance** [DMP94].

**balance-based** [DMP94]. **band** [Pow98d].

**barrier** [Pow92c, Pow95b]. **Bartels**

[Pow87b]. **Base** [YZM+18]. **Based**

[CSA16, TtJ15, XJY+13, ZCW+20, AF03, DMP94, GSYP18, KLL12, LZ13, MC87, MC90, SWL+06, Sug14, YGL10, wZyTL+23, ZTBL11]. **basis** [BP90, FP00, Pow87c,

Pow88b, Pow92e, Pow99b]. **Beale** [AOF21].

**beam** [LD15, MCPS86]. **Bee**

[LSLM15, DÖAK12]. **Bergamo** [DSS80].

**best** [Pow68b]. **Beyond** [Pow13]. **BFGS**

[Pow86b, Pow87d]. **Biennial**

[Wat76, Wat78, Wat82, WG00].

**Birmingham** [IP87]. **Birth** [BC10].

**birthday** [PN08]. **Bit** [Kah87]. **Bonn**

[BGK83]. **Book** [Chu82, Gri87, Pow69a,

Pow73a, Pow74a, Pow76a]. **Boulder**

[BBS85]. **bounds** [Pow75b, Pow88a, Pow14].

**Box** [EM06]. **BP** [YGL10]. **Branch**

[Kah87]. **breaker** [wZyTL+23]. **Bristol**

[Dix76]. **Broyden** [Pow13]. **Budapest**

[Pré79]. **Building** [EA22].

**Building-Integrated** [EA22].

**Calculating**

[Pow64a, Pow65, CP66b, Pow64b].

**Calculation** [Pow68c, And69].

**Calculations** [Pow98a, Pow78b, Pow78c, Pow83a, Pow84a, Pow86c, Pow87a, Pow89b, Pow92b, Pow92c, Pow98c]. **Cambridge**

[BI97, PS00, Pow99b]. **Canada** [EA22].

**Carlo** [PS66]. **Cartesian** [EM06]. **Case**

[RSR22]. **CDS** [DÖAK12]. **Center**

[Ric77, RMR70]. **change** [DP91b]. **Channel**

[YZM<sup>+</sup>18]. **Channel-Base** [YZM<sup>+</sup>18]. **Chaotic** [ZCW<sup>+</sup>20]. **characterization** [PR80]. **circuit** [DMP94, wZyTL<sup>+</sup>23]. **City** [RSS96]. **Clarendon** [Gri87]. **class** [Pow75a]. **classical** [Pow69b]. **Classification** [Qia17]. **College** [CSW83, MC87, MC90]. **Colony** [LSLM15, DÖAK12]. **Colorado** [BBS85]. **Coloring** [RSR22]. **combination** [WZL<sup>+</sup>23]. **Combined** [Sas69]. **comparison** [Pow69b]. **Complex** [Kah87]. **complexity** [Pow92a]. **comprehensive** [LSLM15]. **computation** [Pow74d]. **computer** [Pow61]. **Computing** [GL79, HS87]. **conditionally** [MPJ81]. **Conditions** [CP66a, PY84, Pow80a, Pow04a]. **Conducted** [RMR70, Ric77]. **Conf** [Wat76]. **Conference** [BBS85, Eva74, GMSV84, Gri87, GW92, IP87, Jac77, LLC92, MC87, MC90, MT88, Pow73b, PS00, Wat78, Wat82, WG00, BI97, Dix76, GW90]. **Congress** [CO80, Mor69]. **Conjugate** [AOF21, EA22, Pow87d, Pow76b, Pow77e, Pow84a, Pow90c]. **Constrained** [GM74, CPLP82, Pow74b, Pow78b, Pow78c, Pow79b, Pow80b, Pow83b, Pow85b, Pow89a, Pow89b, PY91, TS99]. **constraint** [Pow94a]. **constraints** [Pow67b, Pow69e, Pow74e, Pow78a, Pow79a, Pow86c, Pow87a, Pow15]. **content** [YGL10]. **Continuous** [THB18]. **contour** [LD15, Pow74c]. **Contrast** [CSA16]. **Contribution** [Pow77a]. **control** [TS99]. **Convergence** [BP75, Pow75a, Pow86a, CPLP82, CP66b, FP99, GP83, Pow71a, Pow76b, Pow76c, Pow78b, PY84, Pow84b, Pow84c, Pow94c, Pow95b, Pow00, Pow10b, Pow12]. **Convergent** [FP63]. **convexity** [DP91b]. **Cooled** [EA22]. **correction** [BPR72, CP87, PBR71]. **Correspondence** [And69]. **Courses** [RSR22]. **cover** [Gri87]. **Criteria** [Pow67c]. **Cubic** [MP73, Pow69d, Pow67a]. **Cuckoo** [GSYP18]. **Current** [YZM<sup>+</sup>18]. **Curve** [Pow67a, Pow99a]. **curves** [Pow95a, Pow96b]. **Cuts** [Kah87]. **Cyclic** [BP75]. **cycling** [Pow81b].

**D** [BI97, BFIT18, Chu82, Gri87]. **Data** [CP82, EM06, MC87, Pow97b, BP92b, DS08, DP91a, DP91b, DP97]. **Davidon** [AF03, AMF06, Pow77d]. **days** [WG00]. **December** [GL79, GMSV84]. **decomposition** [MPJ81, WA15]. **Dedicated** [PN08]. **Defined** [Pow67c, Pow01]. **Dependence** [Pow69d]. **Derivative** [CSA16, Pow81c, Pow98d]. **Derivative-Free** [CSA16]. **Derivatives** [Pow64a, Pow65, Pow75c, Pow64b, Pow70b, Pow70c, Pow74d, Pow03, Pow04b, Pow06, Pow07, Pow08, Pow12, Pow13]. **Descent** [FP63]. **design** [DÖAK12, KYO05, SWL<sup>+</sup>06]. **designing** [LCL<sup>+</sup>10]. **Developments** [Pow08, Fle87]. **DFP** [Pow86b, Pow00]. **diagnosis** [wZyTL<sup>+</sup>23]. **differences** [CP82, DP97]. **differentiable** [PY86]. **Differential** [THB18, XD04, BPR72, CP87, PBR71, WZL<sup>+</sup>23]. **difficult** [Pow85b]. **dimensional** [Pow92d]. **dimensions** [BGP96, BPT07, FP99, FGP05, Pow94c, Pow95a, Pow96a, Pow96b, Pow97a, Pow98b, Pow99a]. **Direct** [Pow98a, SRK12, Pow94a]. **Direction** [EA22, ZGGZ09, XD04]. **Directions** [Pow87d, Pow73c, Pow90c]. **discrete** [PR80, Pow83a]. **discussion** [Pow69b, Pow72a]. **Displacement** [ZTBL11]. **Distribution** [AOF21]. **distributional** [SWL<sup>+</sup>06]. **divided** [CP82]. **dividers** [KYO05]. **Do** [Pow75c]. **dogleg** [Miz99]. **Dr.** [Pow77a]. **dual** [Pow14]. **Dundee** [GW90, GW92, Wat76, Wat78, Wat82, WG00]. **during** [WG00]. **Dyadic** [VWBD02].

**Edinburgh** [Mor69]. **Editorial** [MP81]. **eds** [Gri87]. **Efficient** [Pow64a]. **Eigenvalue** [Wil87]. **elastography** [ZTBL11]. **Electric**

[AOF21, EHL82a, EHL82b]. **Elementary** [Kah87]. **elimination** [HP84]. **employs** [BP94]. **Engineering** [GL79]. **England** [DSS80, Fle69]. **Entropy** [CSA16, Pow88a]. **equality** [PY91]. **equations** [HP77, Pow68a, Pow70a, Pow70d, Pow75b, PY84, Pow88c, TZP17]. **Erice** [DR06]. **Error** [Pow87b]. **Errors** [Pow67c]. **Estimation** [PT79, ZCW<sup>+</sup>20, ZTBL11]. **evaluation** [BPT07, Pow93b]. **evolution** [WZL<sup>+</sup>23, XD04]. **Evolutionary** [THB18]. **exact** [Pow76c, PY86]. **example** [Pow81b]. **exchange** [CP66b]. **expanded** [LZ13]. **expansions** [Pow93b]. **exponential** [IP81]. **Extensions** [EM06, Pow74e].

**Fabrication** [KLL12]. **factorization** [CP88, Pow89a]. **Factorizations** [Pow87b, FP74]. **Fast** [BPT07, AF03, Pow78c, Pow93b, Pow15]. **fault** [wZyTL<sup>+</sup>23]. **FDG\_CT** [WA15]. **feasible** [Pow81b]. **Federation** [Mor69]. **Fiacco** [Pow69a]. **film** [KLL12, LCL<sup>+</sup>10]. **Filter** [SRK12, DÖAK12]. **filters** [KLL12, LCL<sup>+</sup>10]. **Finding** [Pow62, Pow64a]. **fine** [Pow92d]. **finite** [BP92a]. **Firefly** [XJY<sup>+</sup>13]. **First** [MT88, Pow70b, Pow70c]. **fitting** [DS08, DP97, Pow67a, Pow74c, Pow77c]. **Fixed** [EHL82a, EHL82b]. **Fixed-Head** [EHL82a, EHL82b]. **Fletcher** [AF03, AMF06, BS76, MCPS86, Pow87b, Sas69]. **Florida** [GMSV84]. **Flows** [Sas69]. **FLT\_CT** [WA15]. **fly** [TZP17]. **forcing** [CPLP82]. **forest** [wZyTL<sup>+</sup>23]. **Foreword** [Pow77b, PN08]. **Formula** [Pow87d]. **formulae** [Pow81c]. **FORTTRAN** [MP73, Pow70b, Pow70c, Pow68a, Pow69c, Pow70a]. **France** [MT88]. **Free** [CSA16]. **Frobenius** [Pow04a]. **fruit** [TZP17]. **full** [Pow69c]. **Function** [MP73, Pow62, Pow64a, Pow86b, YZM<sup>+</sup>18, BP90, FP00, IP81, Pow70b, Pow70c, Pow88b, Pow92e]. **Functions** [Kah87, MC87, Pow65, BP94, CP87, HP84,

Pow61, Pow64b, Pow77c, Pow78a, Pow79a, PY86, Pow87c, Pow94a, Pow94b, Pow99b, Pow01]. **fuzzy** [TS99].

**G** [Pow69a]. **gains** [HP77]. **Gaussian** [HP84]. **General** [Pow83a]. **generalized** [CP87, HP84]. **Genetic** [WA15]. **gives** [DP91b]. **Global** [WZL<sup>+</sup>23, Pow76c, Pow84b, SWL<sup>+</sup>06]. **Goldfarb** [Pow85a]. **Golub** [Pow87b]. **Gradient** [AOF21, Pow80a, Pow76b, Pow77e, Pow84a]. **Graph** [RSR22]. **grid** [BP92a, BP90, Pow92d]. **Group** [MMR78]. **Growth** [Pow87b]. **Guided** [THB18].

**H** [Pow77a]. **Handling** [SRK12, Pow61]. **hard** [Gri87]. **harmonic** [DMP94]. **Hartley** [CSA16]. **Hartley-Entropy-Based** [CSA16]. **Hatfield** [DSS80]. **Head** [EHL82a, EHL82b]. **Held** [Wat78, BGK83, DR06, Dix76, DSS80, Eva74, GM74, GMSV84, IP87, Jac77, MC87, MC90, Pow77a, Wat82, WG00]. **Hessian** [Miz99, PT79]. **Hestenes** [Sug14]. **high** [wZyTL<sup>+</sup>23]. **Householder** [PR68b, PR68a, PR69]. **HS** [Qia17]. **Hybrid** [EHL82a, EHL82b, ZCW<sup>+</sup>20, Pow70d]. **Hydro** [EHL82a, EHL82b]. **Hydro-Thermal** [EHL82a, EHL82b]. **hypercube** [CP88].

**ICA** [CSA16]. **ICIAM** [MT88]. **Identifying** [YZM<sup>+</sup>18]. **Idnani** [Pow85a]. **IFIP** [Mor69, PS00]. **IFIP-TC7** [PS00]. **II** [MC90, Pow72b]. **III** [Ric77]. **IIR** [DÖAK12]. **IMA** [Gri87, IP87, MC87]. **IMA/SIAM** [IP87]. **Image** [Qia17, TtJ15, XJY<sup>+</sup>13, ZGGZ09, LZ13, XD04]. **images** [WA15]. **implementation** [SWL<sup>+</sup>06]. **improved** [LZ13]. **Incremental** [Yav22, DÖAK12]. **Indian** [LD15]. **Industrial** [MT88]. **infinite** [BP90, Pow91a, Pow92b, Pow92c].

- Information** [Mor69, LZ13, Mor69]. **Institute** [Eva74, Fle69]. **Integer** [Aba70]. **Integrated** [EA22]. **integrating** [WA15]. **Interest** [MMR78]. **Interior** [Pow92b].
- International**  
[CSW83, CO80, GL79, LLC92, MC90, MT88, Mor69, Pré79, BGK83, DSS80]. **interpolate** [IP81]. **Interpolation**  
[DS08, GP76, GMSV84, Pow67c, Pow97b, BP92a, BP92b, BP94, BGP96, BP90, FP99, FP00, FGP05, HP84, Pow69b, Pow87c, Pow91b, Pow94a, Pow94b, Pow94c, Pow96a, Pow97a, Pow01, Pow04a]. **Introduction** [Pow74b]. **Inverse** [Pow69g, Sug14]. **invert** [Pow69c]. **ISBN** [Gri87]. **Iserles** [Gri87, PN08]. **Italy** [DR06, DSS80]. **iterations** [Pow93a]. **Iterative** [Pow62, BP94, FP99, Pow97a].
- J** [BI97, BFIT18, Chu82, Gri87, Pow77a]. **Jacobi** [BP75]. **January** [CSW83, Dix76, GM74]. **JAYA** [Yav22, ZCW<sup>+</sup>20]. **John** [Pow69a]. **Joint** [IP87]. **July** [BI97, BFIT18, DR06, DSS80, MMR78, MC87, MC90, PS00, RSS96, Wat78, WG00, Pow77a]. **June** [BBS85, DR06, GW92, LLC92, Wat78, Wat82, WG00].
- Kalman** [SRK12]. **Karmarkar** [Pow90a, Pow91a, Pow92a, Pow93a]. **Keele** [Fle69]. **kinematics** [Sug14]. **Kingdom** [GMSV84]. **Krylov** [FP00, FGP05].
- Laboratory** [GM74]. **Lagrange** [BP94, Pow80a, Pow01, Pow14]. **Lagrangian** [Pow78a, Pow79a]. **Large** [DR06, BS76, DR06]. **Large-scale** [DR06]. **Lattice** [EM06]. **Laurent** [Pow93b].
- Learning**  
[AMF06, TS99, Yav22, LSLM15, Miz99]. **Least**  
[DP91a, DP97, Pow67c, PR68b, PR68a, PR69, Pow69d, Pow04a, CP88, Miz99]. **least-squares** [CP88, Miz99]. **Lightning**  
[YZM<sup>+</sup>18]. **line** [Pow76c]. **Linear**  
[HS87, MCPS86, Pow65, PR68b, PR68a, PR69, BP92a, CP88, Fle87, HP77, Pow64b, Pow67b, Pow68a, Pow75b, PR80, Pow90b, Pow92a, Pow93a, Pow94a, Pow95a, Pow95b, Pow98b, Pow15]. **linearly**  
[Pow89a, Pow89b]. **Load** [Sas69]. **Local**  
[Pow69d]. **Localization** [SRK12]. **Log**  
[Pow92c, Pow95b]. **London** [Pow77a]. **Lorenz** [ZCW<sup>+</sup>20]. **Loughborough**  
[Eva74, Pow73b]. **Ltd** [Pow69a].
- M** [Chu82, Gri87]. **M.** [BI97]. **Madison**  
[MMR78, Ric77, RMR70]. **manifolds**  
[DS08]. **many** [FGP05]. **mapping** [Pow96b]. **March** [Ric77]. **Mathematical**  
[BGK83, MMR78, Pré79, Pow73b, Ric77]. **Mathematicians** [CO80]. **Mathematics**  
[BI97, Eva74, Fle69, MT88, Ric77, RSS96, RMR70]. **Matrices** [PT79, Rei87, GP83, MPJ81, Pow81c, PT81, Pow90c, Pow98d]. **Matrix**  
[Pow69g, Pow87b, Pow69c, Pow81d, Pow89a]. **Matthews** [Pow87b]. **maximizing**  
[Pow88a]. **Maximum** [Pow67c]. **May**  
[RMR70]. **McCormick** [Pow69a]. **Medical**  
[TtJ15, XJY<sup>+</sup>13, LZ13, XD04]. **Method**  
[CSA16, EHL82a, EHL82b, EA22, FP63, Pow62, Pow64a, Pow65, PR68b, SRK12, THB18, YZM<sup>+</sup>18, Yav22, ZGGZ09, BP94, KLL12, LCL<sup>+</sup>10, LZ13, Pow64b, Pow67b, Pow69e, Pow70d, Pow76b, Pow77e, Pow81d, Pow84a, Pow91a, Pow94a, Pow95b, Pow96b, Pow14, SWL<sup>+</sup>06, Sug14, TS99, WA15, WZL<sup>+</sup>23, XD04, ZTBL11]. **Methods**  
[BP75, GM74, GL79, Pow70h, Pow81a, Pow86b, Pow86c, Pow87a, Pow97b, PS00, Sas69, FP00, Pow69b, Pow69f, Pow70g, Pow77c, Pow78b, Pow79b, Pow80b, Pow83b, Pow92b, Pow92c, Pow03, Pow10b, Pow15, SDV08, Chu82]. **Metodi** [Pau02]. **metric**  
[GP83, Pow71a, Pow72c, Pow76c, Pow77d, Pow78b, Pow79b, Pow80b, Pow83b, Pow84c]. **Metropolitan** [AOF21]. **Michael** [BFIT18].

**Microstrip** [LD15]. **Middlesex** [GM74].  
**Military** [MC87, MC90]. **Minimax**  
 [CP66a, CP66b, HP77, Pow75b].  
**minimising** [Pow64b]. **Minimization**  
 [FP63, Pow69a, Pow75c, Pow67b, Pow69e,  
 Pow70b, Pow70c, Pow72a, Pow72b, Pow73c,  
 Pow74d, Pow74e, Pow75a, Pow76c, Pow84b,  
 Pow84a, Pow03, Pow04b, Pow08, Pow12,  
 Pow13]. **Minimizing** [CSA16, Pow65].  
**Minimum** [Pow64a, DP91b]. **modeling**  
 [YGL10]. **Modelling** [PS00]. **models**  
 [Pow94a, Pow01, Pow04a, Pow04b, Pow13,  
 Pow15]. **modification** [DMP94, FP74].  
**Modifications** [Pow69g]. **modified**  
 [LZ13, LSLM15, Pow95b, WZL+23].  
**monotonicity** [DP91a]. **Monte** [PS66].  
**moving** [Pow99a]. **Much** [Kah87]. **Multi**  
 [THB18, XJY+13, KYO05].  
**Multi-Objective** [THB18].  
**Multi-Resolution** [XJY+13].  
**Multi-Tasking** [THB18]. **multi-way**  
 [KYO05]. **Multigrid** [SDV08, BGP96].  
**Multilayer**  
 [AMF06, AF03, KLL12, LCL+10].  
**multiplier** [Sug14]. **multipliers** [Pow80a].  
**multiprocessor** [CP88]. **multiquadric**  
 [BP92a, BP92b, FGP05, Pow90b, Pow91b].  
**Multivariable** [Pow97b, Pow87c]. **mutual**  
 [LZ13].  
  
**National** [GM74]. **Necessary** [CP66a].  
**Network** [AOF21]. **neural** [Miz99]. **Neuro**  
 [AOF21]. **Neuro-algorithm** [AOF21].  
**Newton**  
 [DMP94, EHL82a, EHL82b, Miz99, Pow81c].  
**NEWUOA** [Pow06, Pow08]. **Non**  
 [Pow65, Pow64b, Pow67b, Pow68a].  
**Non-Linear**  
 [Pow65, Pow64b, Pow67b, Pow68a].  
**Nonconvex** [Pow84a]. **Nonlinear**  
 [Aba70, MMR78, Pow82, Pow86a, RMR70,  
 Sas69, DR06, Miz99, Pow69e, Pow70a,  
 Pow70d, Pow78a, Pow79a, Pow80a, Pow83a,  
 PY84, Pow86c, Pow87a, Pow88c, Pow90a,  
 Pow10a, TZP17, DSS80, Pow69a].  
**nonlinearly** [Pow78b, Pow78c]. **norm**  
 [Pow04a]. **note** [Pow81c]. **Notes** [Mor82].  
**Nothing** [Kah87]. **Notice** [LD15]. **number**  
 [Pow93a]. **Numerical** [BBS85, BI97, BC10,  
 DW97, Eva74, GM74, Gri87, GW92, HS87,  
 IP87, Jac77, Pow70h, Pow77c, Wat76,  
 WG00, Pow77a, RSS96, ZTBL11, BBS85,  
 GW90, Wat78, Wat82, WG00].  
  
**Object** [SRK12]. **Objective**  
 [Pow86b, THB18, Pow70b, Pow70c, Pow94a].  
**occasion** [PN08]. **Occlusion** [SRK12]. **One**  
 [Pow69g, Pow69f, Pow70g]. **only** [Pow00].  
**onto** [Pow99a]. **Operation**  
 [EHL82a, EHL82b]. **optical**  
 [KLL12, LCL+10]. **Optimal**  
 [GP76, Sas69, Pow99a]. **optimisation**  
 [DSS80]. **Optimization**  
 [BI97, Dix76, EA22, GM74, LD15, Pow70h,  
 Pow82, Pow86a, Pow98a, PS00, THB18,  
 YZM+18, ZGGZ09, BS76, BBS85, CPLP82,  
 DR06, GP83, KLL12, KYO05, MCPS86,  
 Mor82, Pow69f, Pow70e, Pow70f, Pow70g,  
 Pow71b, Pow74b, Pow76d, Pow78b, Pow78c,  
 Pow79b, Pow80b, Pow83b, Pow84c, Pow85b,  
 Pow86c, Pow87a, Pow88c, Pow89a, Pow89b,  
 PY91, Pow90c, Pow94a, Pow00, Pow02,  
 Pow06, Pow07, Pow10b, Pow10a, SWL+06,  
 TZP17, WZL+23, ZTBL11, Fle69, LLC92].  
**optimized** [wZyTL+23]. **optimizer**  
 [LSLM15]. **Optimum** [EHL82a, EHL82b].  
**organized** [Mor69]. **Orthogonal**  
 [Pow68c, And69]. **overdetermined**  
 [HP77, PY84]. **Oxford** [Gri87].  
  
**P** [Pow69a]. **pages** [Pow69a]. **Parallel**  
 [KYO05, SWL+06]. **Parameter** [ZCW+20].  
**Parameters** [YZM+18]. **Paris** [MT88].  
**Park** [RSS96]. **Particle**  
 [YZM+18, ZGGZ09]. **path** [Pow98b].  
**penalty** [PY86]. **Perceptron**  
 [AMF06, AF03]. **performance** [Pow85b].  
**Photovoltaics** [EA22]. **Physical** [GM74].

**Piecewise**

[Pow74c, PS77, DP91a, Pow95a, Pow98b].

**plate**

[BP94, BGP96, FP99, Pow92d, Pow93b, Pow94b, Pow94c, Pow96a, Pow96b, Pow97a].

**Plotting** [MP73, Pow74c]. **plus** [BP92a].**point** [Pow81b, Pow92b]. **Points**[Pow97b, Pow99a]. **polyharmonic** [BPT07].**Polynomial** [Pow67c, BP92a]. **polynomials**[Pow88b, Pow90b]. **Polytechnic** [DSS80].**Population** [Yav22]. **positive** [MPJ81].**positive-semidefinite** [MPJ81]. **Powell**[BFIT18, Chu82, Gri87, AF03, AMF06, AOF21, BS76, BI97, CSA16, DMP94, DS08, DÖAK12, EHL82a, EHL82b, EA22, EM06, GSY18, KLL12, KYO05, LD15, LCL<sup>+</sup>10, LZ13, LSLM15, MCPS86, Miz99, Qia17, RSR22, SRK12, Sas69, SWL<sup>+</sup>06, SDV08, Sug14, TS99, TZP17, TtJ15, THB18, VWBD02, WA15, WZL<sup>+</sup>23, XJY<sup>+</sup>13, XD04, YGL10, YZM<sup>+</sup>18, Yav22, ZGGZ09, wZyTL<sup>+</sup>23, ZTBL11, ZCW<sup>+</sup>20].**Powell-based** [GSYP18]. **Powell-BP**[YGL10]. **Powell/Beale** [AOF21]. **Power**[EHL82a, EHL82b, BS76, KYO05]. **Press**[Gri87]. **prioritized** [Sug14]. **problem**[PR80]. **Problems**[PR68b, PR68a, PR69, Wil87, CP88, Pow67b, Pow69e, Pow85b, Pow89a]. **Proc.**[Wat76]. **procedure** [AF03, PT81].**procedures** [Pow77e]. **Proceedings**[CSW83, Eva74, GMSV84, GW92, IP87, Jac77, Pow77a, Ric77, RMR70, Wat78, Wat82, BGK83, BBS85, Dix76, DSS80, GM74, GW90, MC87, MC90, MT88, Mor69, Pré79, CO80, GL79, MMR78]. **processing**[KYO05, Mor69]. **Programming**

[Aba70, BGK83, MMR78, Pow69a, RMR70, Sas69, Fle87, Pow80a, Pow81d, Pow85a, PY86, Pow90a, Pow91a, Pow92a, Pow92b, Pow92c, Pow93a, Pow95b, Pré79].

**projected** [DS08]. **Proof** [FP99]. **Proofs**[Pow72b]. **Properties**

[Pow86a, Pow72a, Pow72b, Pow72c, Pow75a,

Pow76b, Pow76c, Pow77d, Pow95b]. **PSO**[wZyTL<sup>+</sup>23].**QPSO** [TtJ15]. **Quadratic** [Pow72a,

Pow72b, PS77, Pow77d, Pow86b, Fle87, Pow74c, Pow81d, Pow85a, PY86, Pow01, Pow02, Pow04a, Pow04b, Pow13, Pow15].

**quasi** [BP92b, Miz99, Pow81c].**quasi-interpolation** [BP92b].**quasi-Newton** [Miz99, Pow81c].**Radial** [BP90, Pow87c, Pow88b, FP00, Pow92e, Pow99b]. **random** [wZyTL<sup>+</sup>23].**range** [Pow10b]. **Rank**

[Pow69f, Pow69g, Pow70g, Pow69c].

**Raphson** [EHL82a, EHL82b]. **Rapidly**[FP63]. **rate** [Pow84c]. **rational** [BPR72, CP87, HP84, IP81, PBR71, GMSV84]. **Real**[SRK12]. **Real-Time** [SRK12].**Reconstruction** [EM06]. **rectangular**[Pow69c]. **recursive** [PY86]. **reducing**[PS66]. **Reflectarray** [LD15]. **region**

[Miz99, Pow84b, PY91, Pow98c, Pow98d, Pow03, Pow10b, Pow12, Pow15].

**Registration** [TtJ15, XJY<sup>+</sup>13, ZGGZ09,LZ13, WA15, XD04]. **regular**[BP92a, BP90]. **Remote** [ZGGZ09].**Removal** [LD15]. **repeated** [DSS80].**reproduction** [Pow90b]. **Require** [Pow75c].**requiring** [Pow70b, Pow70c]. **Research**[Ric77, RMR70, TtJ15, wZyTL<sup>+</sup>23, Pow99b].**Resolution** [XJY<sup>+</sup>13]. **Restart** [Pow77e].**Restarts** [AOF21]. **restrictions** [DP97].**results** [Pow72a, Pow91b]. **Review**

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[RSR22]. **Scheme** [Pow61]. **school** [DSS80]. **Science** [MC87, MC90]. **Sciences** [GL79]. **Scotland** [Wat82]. **Search** [GSYP18, Pow98a, THB18, LSLM15, Pow73c, Pow94a]. **searches** [Pow76c]. **Second** [MC90, DP97, Pow81c, Pow98d]. **semi** [Pow91a, Pow92b, Pow92c]. **semi-infinite** [Pow91a, Pow92b, Pow92c]. **semidefinite** [MPJ81]. **Seminar** [RSS96]. **Senior** [Yav22]. **Sensing** [ZGGZ09]. **sensor** [YGL10]. **September** [DSS80]. **sequence** [Pow99a]. **Sequential** [Pow69a]. **Series** [Gri87]. **Set** [SRK12, ZGGZ09, XD04]. **Several** [Pow62, Pow64a]. **Shanno** [PT81]. **shaping** [MCPS86]. **Shrivenham** [MC87, MC90]. **SIAM** [BBS85, IP87, RSS96]. **Sign** [Kah87]. **signs** [DP97]. **simple** [Pow88a]. **Simulative** [AOF21]. **since** [Pow10a]. **Singapore** [LLC92]. **sixtieth** [PN08]. **smoothing** [CP82, DP91a]. **smooths** [Pow95a]. **Soft** [YGL10]. **Software** [Eva74, Pow73b, Mor82, Pow06, Ric77]. **solution** [HP77, Pow75b, Sug14]. **solutions** [PY84, TZP17]. **Solving** [THB18, Pow68a, Pow70a]. **Some** [Pow72c, Pow76b, Pow76c, Pow94b, Pow95b, Pow85b, Pow91b]. **Sons** [Pow69a]. **Sparse** [PT79, Rei87, Pow81c, PT81]. **Special** [MMR78]. **speed** [HP77]. **Spline** [EM06, MP73, BP94, BGP96, FP99, Pow68b, Pow69b, Pow94b, Pow94c, Pow96a, Pow96b, Pow97a]. **Splines** [Pow69d, BPT07, DS08, Pow67a, Pow92d, Pow93b, SDV08, VWBD02]. **Squares** [Pow65, Pow67c, PR68b, PR68a, PR69, Pow69d, CP88, DP91a, DP91b, DP97, Miz99, Pow64b]. **State** [BGK83, DW97, Gri87, IP87, Jac77]. **Statement** [Pow72a]. **States** [GMSV84]. **Station** [CSW83]. **Stationary** [Pow62]. **Statistical** [HS87]. **steps** [Miz99]. **straightening** [Pow98b]. **straightens** [Pow95a]. **strain** [ZTBL11]. **Strategy** [Yav22]. **string** [Pow98b]. **Study** [RSR22]. **subdivision** [VWBD02]. **subject** [DP97, Pow75b, Pow88a]. **Subroutine** [MP73, Pow68a, Pow69c, Pow70a, Pow70b, Pow70c]. **subroutines** [Pow85b]. **subspace** [FP00, FGP05]. **suitable** [Pow91a]. **Sum** [Pow65, DP91b, Pow64b]. **Summer** [RSS96, DSS80]. **superlinear** [PY84]. **surface** [Pow74c]. **Survey** [Pow70h, Pr e79]. **Swarm** [YZM<sup>+</sup>18, ZGGZ09]. **symmetric** [PT81, Pow13]. **Symposium** [CSW83, Fle69, GL79, MMR78, Pr e79, RMR70, BGK83, GM74, Pow77a, Ric77]. **System** [PS00, ZCW<sup>+</sup>20, BS76]. **Systems** [EHL82a, EHL82b, Pow68a, Pow70a]. **Tabulation** [Pow92d]. **Tampa** [GMSV84]. **Tasking** [THB18]. **taut** [Pow98b]. **TC7** [PS00]. **technique** [CPLP82, FP99, HP77, PS66]. **Techniques** [LLC92, BGP96, Pow69a]. **Technology** [Eva74]. **Teddington** [GM74]. **Teoriya** [Pau02]. **termination** [Pow72a, Pow72b, Pow77d]. **test** [Pow85b]. **Texas** [CSW83]. **Theorem** [Pow69g, PR80]. **theorems** [Pow72b]. **Theory** [BI97, Chu82, Pow81a, PS00, CSW83, DSS80, Pow92e]. **there** [Pow00]. **Thermal** [EHL82a, EHL82b]. **thin** [BP94, BGP96, FP99, KLL12, LCL<sup>+</sup>10, Pow92d, Pow93b, Pow94b, Pow94c, Pow96a, Pow96b, Pow97a]. **thin-film** [KLL12, LCL<sup>+</sup>10]. **Third** [GL79]. **three** [BPT07]. **Time** [SRK12]. **Toint** [PT81]. **tolerant** [Pow89b]. **Tracking** [SRK12]. **training** [AF03]. **Transformations** [PR68a, PR69]. **Triangles** [PS77]. **triangular** [Pow81d]. **tributes** [BI97]. **Truncated** [Pow93b]. **Trust** [Pow98c, Miz99, Pow84b, PY91, Pow98d, Pow03, Pow10b, Pow12, Pow15]. **trust-region** [Miz99]. **two** [BGP96, FP99, Pow77c, Pow85b, Pow92d, Pow94b, Pow94c, Pow95a, Pow96a, Pow96b, Pow97a, Pow98b, Pow99a, Pow00]. **two-dimensional** [Pow92d].



**UK** [PS00]. **ultrasound** [ZTBL11].

**Unconstrained**

[Pow69a, Pow70h, Pow74d, Pow74e, Pow75c, GP83, Pow69f, Pow70b, Pow70c, Pow70e, Pow70f, Pow70g, Pow71b, Pow76d, Pow84b, Pow84c, Pow88c, Pow00, Pow02, Pow03, Pow04b, Pow06, Pow10b, Pow12]. **uniform** [PS66, Pow94c, SWL<sup>+</sup>06, VWBD02].

**United** [GMSV84]. **Univ** [Wat76].

**Univariate** [BP92a, BP92b, Pow90b, Pow91b, DP91a, DP91b, DP97]. **University** [BGK83, CSW83, Dix76, DSS80, Eva74, IP87, Jac77, MMR78, Ric77, RMR70, WG00].

**unknown** [Pow79c]. **UOBYQA** [Pow02].

**Updating** [Pow87b, Pow87d, PT81, Pow90c, Pow04a, Pow13]. **upper** [Pow81d]. **Use** [Sas69, Pow78a, Pow79a, Pow98d, Pow04b].

**uses** [PY86]. **Using**

[EA22, SRK12, AOF21, DS08, DÖAK12, LD15, MCPS86, RSR22, WZL<sup>+</sup>23]. **Utah** [RSS96].

**V** [Pow69a]. **Values** [Pow62]. **Variable** [Pow79b, Pow80b, Pow83b, GP83, Pow71a, Pow72c, Pow76c, Pow77d, Pow78b, Pow84c].

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