# A Bibliography of Publications of Henry Wolkowicz

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## Abstract

This bibliography records publications of Henry Wolkowicz.

## Title word cross-reference

$(0, 1)$ [PW95a, PW95b, PRW95]. $^2$ [KW97, KW98].

**-quadratic** [PW95b, PRW95].

**1** [ADH+06]. **12th** [BGKW07]. **19-5.5** [Wol98]. **19.** [PS00].

**4th** [BC95].

**60th** [BBB+13].

**93-17** [Wol94d].

**Abraham** [PRBI+92]. **abstract** [BW79a, BW79b, BW81c, BW81b, BW82a, BW82b]. **Accuracy** [Kru01]. **ADMM** [OWX18]. **Advances** [xY98]. **advantage** [WBi86a]. **affine** [BW81a, Wol80c]. **age** [PRBI+92]. **Algorithm** [TWZ94, BIW92, DKW12, KW03a, KW03b, WBi86b]. **Algorithms** [Kru01, PP00, WSV00, BBC+11, RVW95, RVWxxb]. **all-inclusive** [WZ95]. **alternating** [DLW17]. **analysis** [MWWW20]. **analytical** [BBB+13, BTW13]. **Applications** [PP00, RW92, TWZ94, WSV00, KW12a, KW12b, PS00, RW94a, RW97, Wol81c]. **Applied** [Kru96, PR02]. **approach** [AHTW01, GLWW09]. **Approaches** [Had89, PW98a, PW02, PW03, Wol00b, Wol78b]. **Approximate** [AHW05, AKW97, JKW98, Wol78b, WZ78]. **approximation** [MW81, Wol75]. **arising** [BJW85]. **Assignment** [Had89, HRW92b, Kar92, PRW94, PP00, Sch85, Wol00b, Zha96, ACWY99, DW09, HRW88, HRW90, HRW92a, KRW94, KRWZxx, PW94, RW92,

SW85, ZKRW97, ZKRW98]. **assumptions** [GLWW09].

**ball** [DVW15]. **Barvinok** [IW21]. **based** [KW03a, KW03b]. **Bernoulli** [BH13]. **best** [WZ78]. **biinfinite** [SW84]. **Birthday** [BBB+13]. **block** [LW12]. **Book** [Wol94a]. **Borwein** [BBB+13]. **bound** [HRW92a, IW21]. **Bounds** [HRW90, Kum84, MSW83, SWW21, WS80a, Wol81a, HRW88, JKW85, MW85, WS80c, Wol85, Wol10]. **Broadband** [GWW01].

**Calculating** [WZ78, Wol78a]. **Cambridge** [PS00]. **canonical** [SW91d]. **case** [Wol80b]. **Cauchy** [NWZ97, NWZ99, ZNW99]. **Change** [DW93, Zha93, WZ95]. **channel** [DLP+15]. **Characterization** [BW81c]. **Characterizations** [BW79a, BW79b, BW82a, BW82b]. **Charnes** [PRBI+92]. **Classes** [RSW02]. **closest** [AHTW01]. **Combinatorial** [PW98a, PK90, BC95, Wol00a]. **Combining** [HPRW95]. **Company** [Thoxx]. **comparison** [BJW85]. **Completion** [AW00a, AW00b, AW02c, AHW05, AKW99, HW18, SWWP19, WA02]. **completions** [AKW97, DKQW10, GJMW84b, JKW98, SWW18]. **component** [MWWW20]. **Computation** [BH13]. **Computational** [BBB+13, FRW94, BTW13]. **Concavity** [SZ81]. **condition** [Wol83b]. **Conditions** [TW03, TW05, Wol80b, Wol83c]. **Cone** [BW81a, BW81d, SW91a, TW12, Wol78a, Wol80c]. **Cone-convex** [BW81a, BW81d]. **cones** [SW91c, SW91d, SW91b]. **Conference** [BC95, xY98, PS00, PK90, BGKW07]. **Conformation** [AW02a]. **conformations** [BCW14]. **Conjugate** [Wol01b, Wol04]. **constancy** [Wol78a]. **Constrained** [GJMW83, Wol81b, Wol82, KW97, KW98, KW00b]. **Constraint** [GKRW98, BW79b, BW82a, BW82b, BW86, JW92, Wol80b, WBi86b]. **Constraints** [AW00c, Wol02c, AKG+13, BW81a]. **construction** [DLP+15]. **Constructive** [Wol78b]. **Contingent** [ADH+06]. **Continuous** [Had89, HRW90]. **contractive** [LPSW21]. **Convergence** [KW03a, KW03b]. **Convex** [Anj01, PW95a, PW95b, Wol80a, BW79a, BW79b, BW81a, BW81c, BW81d, BW81b, BW82a, BW82b, FLWW20, JW92, LW85, MW81, Wol78b, Wol80b, Wol80d, Wol83a, Wol83b]. **Coordinate** [DPW15]. **Copenhagen** [BC95]. **correlation** [AHTW01]. **Costa** [Wol94a]. **costs** [PTW08]. **cream** [SW91a]. **Cubics** [BW89]. **Cut** [AW99, Anj01, AW01b, AW01c, AW01d, AW02d, LPSW21, PSWW16, AW02e].

**Data** [Fia83]. **Decision** [ADH+06]. **decomposition** [LW85]. **definite** [GJMW84b, GJMW86, SWW18]. **degeneracy** [WBi86a]. **degenerate** [CSW13a, CSW13b]. **Degree** [SWW21]. **Demand** [ADH+06]. **Denmark** [BC95]. **determinant** [SWW18]. **Determining** [AKG+13]. **developments** [PRW94]. **Diagonal** [ZNW99, NWZ97, NWZ99]. **differential** [BJW85]. **Differentiation** [Wol94a]. **DIMACS** [PW94]. **dimensional** [BW81c, BW86, DW09, JW90]. **Dimensionality** [SW84]. **Direction** [RSW02, KMR+97, KMR+01, KW03a, KW03b]. **Directions** [TW03, TW05, Wol78a, Wol80c]. **Discrete** [AW02c, PW02, PW03, WA02]. **Distance** [AW00b, AW01a, AW02a, DPW15, DKVW17, AHW05, AKW97, AKW99, AW02b, AW07, AAPW11, AKG+13, DKQW10, KW12a, KW12b, SWWP19]. **DNN** [GHI+22]. **doubly** [LPSW21]. **Douglas** [WRW17]. **Dual** [GHI+22, GLWW09, KW03b, RVW95, RVWxxb]. **Duality** [Wol01a, Wol02c, ACWY99, JW90, RTW95, RTW97, TW12]. **duals** [Wol80a]. **Dynamic** [Ste85, SWZ88].

**E2847** [DFK+80]. **E2849** [DAK+82]. **E2852** [DFK+80]. **E3231** [GDC+87]. **E3234** [JWW87, JWWS89]. **E3236** [GDC+87]. **Economics** [SZ81]. **Editor** [KKN+80]. **Efficient** [BCW14, WZ95]. **Eigenvalue** [PSWW16, LW12, MW85, RW92, RVW95, RVWxxa, RVWxxb, SW94, SW95, Wol85, Wol10]. **Eigenvalues** [Kum84, GJMW86, HW88, MSW83, WS80a, WS80c]. **Elementary** [DFK+80, DAK+82, GDC+87, JWW87, JWWS89]. **ellipsoidal** [SW91c]. **embedability** [AW98]. **Empirical** [AW01b]. **Encyclopedia** [FP01, KJR87]. **engineering** [BBC+11]. **equation** [BJW85, SW86, WZ78]. **equations** [BJW85, Wol78b]. **equivalence** [DGW11]. **equivalent** [Wol80a]. **Error** [SWW21]. **Euclidean** [AHW05, AW98, AKW99, AW00b, AW01a, AW02a, AW02b, AW07, AAPW11, DKQW10, DPW15, DKVW17, KW12a, KW12b, SWWP19]. **exact** [AHW05]. **Existence** [TW03, TW05]. **Explicit** [KW10, Ste85, Wol96, SWZ88]. **Exponential** [SW91a]. **Expressions** [BSFW82, BSW82]. **extended** [STW17]. **Extensions** [WS79]. **extra** [MW85]. **Extremal** [PRBI+92]. **Extreme** [DVW15].

**Facial** [BW81d, DKVW17, KW10, HW18, MWWW20, WRW17]. **Fast** [BH13]. **feasibility** [DLW17]. **Finding** [WRW17]. **finite** [BW81c]. **Fixed** [BBC+11]. **Fixed-point** [BBC+11]. **following** [KW03a]. **Foreword** [AdKT+07]. **form** [SW91d, WRW17]. **forms** [GJMW83]. **Foster** [BSW82]. **Framework** [For00, FW02, RW94a, RW97, RWxx]. **Frontier** [DKVW17]. **Function** [SW02, HW88, LW85].

**Gale** [AW01a, AW02b]. **gaps** [JW90]. **Gauss** [KMR+97, KMR+01, KW03a, KW03b, SW02]. **General** [KW00a, KW00b, Wol75]. **Generalizations** [JW92]. **Generalized** [SZ81, PW14, SW91d]. **Generating** [WW10, Wol85, Wol10]. **Geometry** [AW02d, Wol80b, AKW96, DVW15]. **given** [GJMW86]. **gradients** [Wol04]. **Graditents** [Wol01b]. **graph** [DKQW10, FRW94, FRWZxx, RW94b, RW95, RWxx, WZ96, WZ99]. **graphs** [AW98].

**Hadamard** [GJMW84a]. **Handbook** [PR02, WSV00]. **Hard** [PW02, PW03, WW10, Wol00a]. **held** [PW98c, PK90]. **Hermitian** [GJMW84b, GJMW86]. **Hessian** [HW88]. **High** [Kru01]. **Hiroshima** [LW15]. **history** [WS80b]. **HKM** [RSW02]. **Hoffman** [HRW92b]. **Hoffman-Wielandt** [HRW92b]. **honor** [BBB+13]. **Honoring** [PSWZ94, PRBI+92].

**ice** [SW91a]. **ice-cream** [SW91a]. **ICPO** [BC95]. **Identities** [Wol94a]. **IFIP** [PS00]. **II** [AW01c, Fia83]. **ILAS** [BGKW07]. **ill** [DLW17]. **ill-posed** [DLW17]. **Improving** [GJMW84a, HRW88, MW85]. **inclusive** [WZ95]. **Indefinite** [SW95, Wol94c]. **Inequalities** [BSFW82, BSW82, AW07, DVW15, LW15]. **Inequality** [HRW92b, WS87, GJMW84a, LW12, WS79, WS80b]. **Inexact** [SW02]. **infeasible** [KW03a]. **infinite** [BIW92, BW86, JW90, JW92]. **infinite-dimensional** [JW90]. **Ingram** [PSWZ94]. **instances** [WW10]. **Integer** [BC95, PK90, HPRW95]. **Interior** [PW98a, PW98c, AKW97, HRVW96, JKW98, RVW95, RVWxxa, RVWxxb]. **Interior-Point** [PW98a, PW98c, AKW97, HRVW96, JKW98, RVWxxa]. **International** [BC95, xY98]. **Interval** [Wol96]. **Invariant** [SW91c, SW91d, SW91b]. **inverse** [BBC+11]. **Investment** [ADH+06].

**Involving** [BSFW82, BSW82]. **IP** [GWW01]. **Issue** [PW98b, PSWZ94, AdKT+07, BTW13]. **iteration** [WRW17]. **Iterative** [GLWW01].

**J** [Wol94a]. **Jonathan** [BBB+13]. **July** [PS00].

**Kantorovich** [Wol75, Wol81a]. **knapsack** [FLWW20]. **Kronecker** [SW91d].

**L.** [BSW82]. **Lack** [Wol02c]. **Lagrangian** [AW00c, KRWZxx, Wol00a]. **Large** [AW00b, PTW08, AdKT+07, RW94a, RW97, STW17]. **large-scale** [AdKT+07, STW17]. **Layout** [Anj01]. **Least** [DW93, Zha93, WZ95]. **Least-Change** [DW93]. **Letters** [KKN+80]. **Lifting** [AW99, AW02e]. **Linear** [GLWW01, Kru01, Wol96, BIW92, GLWW09, KMR+97, KMR+01, PTW08, SW86, SWZ88, WBi86a, WBi86b]. **Local** [STW17]. **Localization** [KW10, AAPW11, DKQW10]. **Lovász** [SW02]. **Low** [HW18, DW09]. **low-dimensional** [DW09]. **Low-rank** [HW18]. **Lower** [JKW85, HRW92a].

**majorization** [LW12]. **Management** [PRBI+92]. **Mathematical** [Fia83, PK90]. **mathematics** [BBB+13, BTW13]. **Matrices** [AW01a, AW02a, DPW15, AHW05, AW02b, AW07, AAPW11, GJMW84b, GJMW87, KW12a, LW12, KW12b, WRW17]. **Matrix** [AW00a, AW00b, AW02c, AW00c, Wol81b, Wol82, AKW97, AKW99, AHTW01, AW02d, BJW85, DKQW10, DGW11, GJMW86, HW18, JKW85, LW15, SWWP19, Wol81c, WA02, Wol94a]. **Max** [AW99, AW01b, AW01c, RVW95, RVWxxb, AW01d, AW02d, RVWxxa, AW02e]. **Max-Cut** [AW99, AW01b, AW01c, AW01d, AW02d, AW02e]. **Max-min** [RVW95, RVWxxb, RVWxxa].

**maximization** [RW92]. **maximizing** [GJMW86]. **Maximum** [Anj01, SWW18, WRW17]. **May** [BC95, PW94, PW98c, PK90]. **Measures** [Wol94b, Zha93]. **measuring** [WW10]. **Method** [GLWW01, GHI+22, SW01, AKW97, HRVW96, JKW98, LPSW21, SW02, Wol83a]. **Methods** [DW93, PW98c, PRBI+92, Zha93, DLP+15, PS00, RVWxxa, Wol75, WZ95]. **min** [RVW95, RVWxxa, RVWxxb]. **minima** [STW17]. **minimal** [TW12]. **minimization** [HW18, PSWW16, RW94a, RW97]. **minimum** [LPSW21]. **missing** [SWWP19]. **Model** [AW00b]. **Modelling** [GWW01, PS00]. **Molecular** [AW02a]. **moment** [WRW17]. **Monotonicity** [BW89]. **Multi** [ADH+06]. **Multi-Stage** [ADH+06]. **Multiple** [Wol94c].

**necessary** [AW07]. **Network** [KW10, AAPW11, DKQW10]. **Networking** [ADH+06]. **Newton** [KMR+97, KMR+01, KW03a, KW03b, RWxx, SW02]. **NGL02** [ADH+06]. **NGL02-1** [ADH+06]. **node** [SWWP19]. **nodes** [RW94b, RW95]. **NOESY** [AKG+13]. **Noisy** [DKVW17, SWWP19]. **Nonconvex** [NWY00]. **nondegeneracy** [GLWW09]. **nondifferentiable** [Wol83b]. **nonglobal** [STW17]. **Nonlinear** [BISW94, Kru96, KW00a, PP00, AdKT+07, KW00b, SW86, xY98]. **Nonnegative** [BJW85, LPSW21]. **nonnegativity** [SW91a]. **Nonsymmetric** [HRW92b, SW94, SW95]. **norm** [HW18, LW15]. **Normal** [GJMW87]. **Note** [RSW02, Wol02c, AKW96, DLW17, GJMW86, SW91d]. **Novel** [PW03]. **nuclear** [HW18]. **Numbers** [BH13]. **Numerical** [LW85].

**Olkin** [PSWZ94]. **one** [Wol94b]. **operator** [Wol78b, WZ78]. **Optimal** [Lun88, Thoxx].

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**P** [KW97, KW98]. **parameterized** [GW09]. **Parametric** [FLWW20, RW92]. **Pareto** [DKVW17]. **partial** [GJMW84b]. **Partitioning** [Zha96, FRW94, FRWZxx, RW94b, RW95, RWxx, WZ96, WZ99]. **Pataki** [IW21]. **path** [KW03a]. **path-following** [KW03a]. **Peaceman** [GHI+22, LPSW21]. **permanent** [GJMW86]. **Perturbations** [Fia83, SW94, SW95]. **Peter** [Wol94a]. **Pharmaceutical** [Thoxx]. **Piecewise** [BW89, PTW08]. **Planning** [ADH+06, Thoxx]. **Point** [PW98a, PW98c, AKW97, BBC+11, DVW15, HRVW96, JKW98, RVW95, RVWxxa, RVWxxb]. **Policy** [Lun88]. **polyhedral** [HPRW95]. **portfolio** [PTW08]. **posed** [DLW17]. **Positive** [GJMW84b, GJMW86, JKW98, LW12, SWW18]. **Post** [BW89]. **Post-Processing** [BW89]. **Preconditioned** [Wol01b, Wol04]. **Preface** [BTW13, BGKW07]. **Preprocessing** [CSW13a, CSW13b]. **Presolving** [GKRW98]. **prices** [Wol80d, Wol83c]. **primal** [GLWW09, KW03b, RVW95, RVWxxb, WRW17]. **primal-dual** [GLWW09, KW03b, RVW95, RVWxxb]. **principal** [MWWW20]. **Problem** [AW02a, AW99, AW01b, AW01c, Had89, Kar92, PRW94, Sch85, Ste85, Wol81b, Wol82, Wol94d, Wol98, Wol00b, AHTW01, AW01d, AW02e, ACWY99, BW81d, DW09, FRWZxx, FLWW20, HRW88, HRW92a, KRW94, KRWZxx, LPSW21, PSWW16, RW92, RWxx, SW85, SWZ88, WZ96, WZ99, ZKRW97, ZKRW98]. **Problems** [AW00a, AW00b, Anj01, AW02c, DFK+80, DAK+82, GDC+87, HRW92b, JWW87, JWWS89, PW98a, PP00, SW02, Wol02c, Zha96, AHW05, AKW99, BBC+11, DLW17, HRW90, PW94, RVW95, RVWxxa, RVWxxb, SW94, Wol94c, Wol00a, WA02]. **Procedure** [AW01b, AW01c]. **Proceedings** [PW98c, BC95, PK90, xY98, BGKW07]. **Processing** [BW89]. **program** [BW79a, BW79b, BW81c, BW81b, BW82a, BW82b, Wol80d, Wol83b]. **Programming** [AW00b, AW02c, BISW94, Fia83, FW02, FW03, GLWW01, Kru96, KW99, KW00a, NWY00, OW97, PW98b, PW98a, PK90, SWW21, Ste85, TWZ94, TW03, WSV00, Wol00b, Wol01a, Wol02a, Wol02b, Zha96, AHW05, AKW99, AAPW11, AKG+13, AdKT+07, AHTW01, AW01d, BC95, BIW92, BW81a, BW81d, BW86, BCW14, DGW11, DKW12, FW04, GLWW09, HRVW96, JW90, KMR+97, KW97, KW98, KW00b, KMR+01, PW95a, PW95b, PRW95, PSWW16, RTW95, RTW97, RW92, SW86, SWZ88, TW05, Wol78b, Wol83a, WBi86a, WBi86b, Wol94c, WZ96, WZ99, WA02, xY98, ZKRW97, ZKRW98]. **Programs** [GKRW98, Kru01, Wol96, Wol01b, CSW13a, HPRW95, JW92, CSW13b, WW10, Wol80a, Wol04]. **Project** [Thoxx]. **Projection** [DLP+15, HRW92a, RW94b, RW95]. **projections** [DLW17]. **protein** [AKG+13, BCW14]. **Pseudolinear** [KW99].

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**Samuelson** [WS79, WS80b, WS87]. **scale** [AdKT+07, PTW08, RW94a, RW97, STW17]. **Scheduling** [GWW01]. **Science** [PRBI+92, BBC+11]. **Sciences** [KJR87]. **SDP** [AW99, IW21, OWX18, RSW02, SW01]. **Search** [TW03, TW05]. **Secant** [BH13, DW93, Zha93, WZ95]. **Second** [AW99, AW02e]. **selection** [BCW14]. **semi** [BIW92]. **semi-infinite** [BIW92]. **Semidefinite** [AW00b, AW02c, DPW15, FRWZxx, For00, FW02, FW03, GKRW98, KW10, Kru96, Kru01, NWY00, OW97, PW98b, PW98a, PW98c, SWW21, TWZ94, TW03, Wol96, WZ96, WZ99, WSV00, Wol00a, Wol00b, Wol01a, Wol01b, WA02, Wol02a, Wol02b, Zha96, ZKRW97, ZKRW98, AHW05, AKW96, AKW99, AAPW11, AKG+13, AdKT+07, AHTW01, AW01d, AW02d, AW02e, BCW14, CSW13a, DW09, DGW11, DKW12, DLW17, FW04, HPRW95, HRVW96, JKW98, KMR+97, KMR+01, LW12, CSW13b, PRW95, PSWW16, RTW95, RTW97, RW94a, RW97, TW05, WW10, Wol94c, Wol04]. **Semidefiniteness** [Wol98]. **Sensor** [DKQW10, KW10, AAPW11]. **Sequential** [KW97, KW00b, KW98]. **sesquilinear** [GJMW83]. **Shadow** [Wol80d, Wol83c]. **Shadows** [DPW15]. **short** [KW03a, KW03b]. **short-step** [KW03a, KW03b]. **Simple** [GLWW01, SW01, BW86]. **Simplified** [RSW02]. **single** [SWWP19]. **Singularity** [SWW21]. **Sizing** [DW93]. **Slater** [JW92]. **Society** [PK90]. **Solution** [Ste85, Wol94d, Wol98, SWZ88, WZ78]. **Solutions** [BSW82, DFK+80, DAK+82, GDC+87, JWW87, JWWS89, Kru01, Wol96, BJW85, Wol78b]. **Solving** [AKW99, SW02, Wol01b, Wol04, STW17]. **Some** [AW07, BSFW82, BSW82, Wol81c]. **spaces** [AW98]. **Sparse** [AW00b]. **sparsity** [DVW15]. **Special** [BTW13, PW98b, PSWZ94, RSW02, AdKT+07]. **Splitting** [GHI+22, LPSW21]. **spread** [JKW85]. **SQ** [KW97, KW98]. **stability** [BW81a]. **stable** [GLWW09]. **Stage** [ADH+06]. **Stanley** [Wol94a]. **Statistical**

[BSFW82, BSW82, KJR87]. **step** [KW03a, KW03b]. **Strengthened** [AW99, AW01d, AW02e, GHI+22, TW03, TW05, IW21, Wol81d]. **strictly** [LPSW21]. **Strong** [ACWY99, RTW95, RTW97, TW12, Wol02c]. **structures** [AKG+13]. **study** [FRW94]. **Subproblem** [For00, FW02, FW03, FW04, GW09, PW14]. **subproblems** [RW94a, RVW95, RW97, RVWxxb, STW17, SW95]. **sufficient** [AW07]. **sum** [Wol98]. **Survey** [For00, FW02, PRW94]. **symmetric** [Wol94b]. **Symmetrization** [HRW92b]. **System** [PS00]. **Systems** [PRBI+92, SW84].

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