A Complete Bibliography of the Publications of Jonathan Michael Borwein

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Abstract
This bibliography records publications of Jonathan Michael Borwein.

Title word cross-reference

#11418 [BB09e]. #13553 [Bor81a].

(a, b) ← ((a + 3b)/4, (√a + b)/2) [BBxxb]. (a, b) ← (a + 3b, √a + b) [BB99b].

(G) [BBL99]. 1/π [BB87b, BB88c, BB93d]. 24 [CKM+16, BB16m]. $25
[BB93g]. $27.95 [BB91d]. $30.00 [Coh15]. $44.95 [BC96]. $45 [Zei05].
$45.00 [Sha05]. $49 [Zei05]. $49.00 [Ban10, Sha05]. $49.95 [Ber88]. 5
[Ade13, ZS12]. $59.50 [Bor06o]. 6 [ZZ14]. $65 [Odl11]. $69.95 [Bai91]. 8
[BB16m, Via16]. $99.00 [Bor99b]. [na + b] [Bor91m]. [na + γ] [BB93e]. 8
[BFG03]. b [BBG04]. R [DL02]. C1 [BKW02, BFL02]. W [BL16b]. DAD
[BLN94]. ℓ0 [BL11]. ℓ1 [XWQ14]. ε [LS00, YS00]. k [BBB96b, BBB97d]. L
[BB15c, BB07c]. L1 [BZ97, Hon85]. l′nfty [Hon85]. l′ [Bor98g]. L1
[BL93b, BV97]. L1(Ω, μ) [BF93c]. L1/2 [WSL16]. Lp [BTBT88, BBL10]. n
\[ p \] [BLS^{+16}]. \( \pi \) [AW97, AABB12, Bai88, BBC^{+11a}, BBC^{+12b}, BBC^{+12c}, BB38, BB48b, BB48c, Bor85b, BB86b, BB86c, BB89a, BG97b, Borxx, BB11j, Bor14o, Bor16o, Gan14, GG07, Gui08, Nim15, TK97, Wei15]. \( \pi^2 \) [BBMW11, BBMW13]. \( q \) [LL01, PP11, War03]. \( R^n \) [BBW96]. \( \sqrt{5} \log \phi \) [Ade14b]. \( \theta(z, q) \) [HGB93]. \( \times \) [BFG03]. W [Bor16m, Bor16n, BL16a]. Weak* [BF95b]. \( x_n := M(x_{n-1}, x_{n-2}, \ldots, x_{n-k}) \) [Bor94a]. \( xy + yz + zx \) [BC00]. \( \zeta(2n + 2) \) [BBB05, BBB06a]. \( \zeta(4) \) [BB95d]. \( \zeta(4n + 3) \) [AG99, BB97c, Bor97u, Bor97v, BB05f].


0 [BC96, Bor06o]. 0-12-558630-2 [BC96]. 0-19-850763-1 [Bor06o]. 0-691-14247-5 [BO11b].

1 [Bor06o, Sha05]. 1-56881-136-5 [Sha05]. 1-56881-211-6 [Sha05]. 100-Digit [Bor05-40]. 125th [AAB12]. 14th [IEE08]. 17th [IEE08]. 1880-2 [Bor99b]. 1983 [SBW84]. 19th [Hd12].

2 [BC96]. 2000 [Tod03]. 2000j [BZ02a]. 2001 [BB12p]. 2002 [KG04]. 2012 [BBL^{+13}]. 2013 [BS14a]. 2014 [BBC^{+14a}]. 2017 [BE16]. 20th [IEE08]. 21st [BB12r, BBC^{+14a}, Bor03-27, Bor03-28, Bor03-29, Bor04-27, Bor04w, Bor04x, Bor04y, Bor04z, Bor09r, Bor10a, HF05, Hoa05, R^{+}05, Zei05, BB04b].

38 [BZ02a, BZ02b].

4 [Bor81a]. 4N [Bor97p]. 4th [HY14].

5 [Sha05]. 51 [Bor81a]. 5th [BF06b].

60th [BBB^{+13}]. 6430-6435 [BSZ^{+83}].

7th [KG04].

8 [Zäl86]. 80th [Ano15]. 85h [Zäl86].


A. [BS14b]. AARMS [Bor05d, Bor05e, Bor07a]. Abel [Bor03p]. Absence [BS11b, Bor10i, Bor10j, Bor10k, Bor10l, Bor11q, Bor11r]. Absolute [BY84]. Abstract [BW79a, BW79b, BW81c, BW81b, BW82a, BW82b]. abundant
Chapter [BM07d]. Character [Bor14d, BB16c, BZB08]. Characterization [BW81c, BF95a, BBP03, Bor84b, BRS11]. Characterizations [BW79a, BW79b, BW82a, BW82b, Bor94b, BFV97, BV10b, How14]. characterizes [BO78]. charlatanism [BBLZ14]. Chasing [Bor03p]. Chebysev [Bor13h]. Chebyshev [Bor06u, Bor07y, Bor08t, Bor13d, Bor13e]. Checkerboard [Bor13j, PHB14]. cheque [Bor11e]. children [BB12m]. CHIP [BBT00]. Chiropractic [Bor11a]. Choi [HC09, Osb05, Tha02]. choice [Bor90c, Bor90d, Bor91b, Bor91c, Ray93]. Chronology [Bor04n]. ci [BB95c]. Circle [Bor94h, Bor90o, Bor90p]. Clarrendon [BB93g]. Clarke [BF95a, BW97a, BM97a, BW00, BM00, BGV02, BW05b]. Class [BBBC07, BB93d, BBC06, BG03b, Bor07e, LZ14]. classification [Bor94c]. classifications [BFV94, Bor95t]. Clausen [BBK00, BBK01]. Clearing [BR14c, BR14a]. Climate [BB12w]. Climbing [BB11d]. Closed [BF95c, Bor10f, Bor10g, BC13, BBL97b, BS86, BS87, BFG03, BS16b]. closedness [BM09, BM10]. closure [BY12d, BY14b]. cm [Bai91, Ber88]. co [IEE08]. co-hosted [IEE08]. Coast [BLM^+07, BJL^+08, BB12j]. Coast-To-Coast [BBJ12, BLM^+07, BJL^+08]. Cobzas [Bor81a]. coderivatives [BBW96]. coefficients [BL05, BL08, War03]. coffee [BR13a]. coincide [BMWY11]. coke [Bor10q]. Cold [BB15d]. Collaboration [Bor03b, Bor03c, Bor03a, Bor04a, Bor04b, Bor04c, Bor04i, Bor05j, BLM^+07, BM07c, Bor09w, Bor09x, Bor11g, Bor11-36, Bor12n, BJ12j]. Collaborative [Bor09e, Bor01f, Bor04d, Bor06d, Bor06b, Bor06c, Bor06g, Bor07f, IEE08, Bor16g]. Collaborator [Bor14h, Bor14i, Bor14j, Bor14k, Bor14m, Bor15h]. collection [Bor97c]. college [BW97]. collide [BB14n]. Collins [BB95b, BB02]. Color [BB13c]. Colorful [BB13c]. Columbia [BBJC97]. combat [BB12v]. Combinatorial [ABT13b, ABT14a, BBBL98a, BBBL98b, ABT14c]. come [BB12h, BB13t]. comes [Bor15b]. Coming [Bor07w, Bor07-32, Bor08n, Bor08o]. Communicating [BRR08, BMPR02, Ban10]. communications [Bor92d]. Community [Bor03q, BS05]. compact [BRLZ00, BLZ01]. Compactly [BLM00]. compactness [BF95b]. Companion [HDG^+15, Bor09b]. comparison [BGL93]. compendium [BBB96b, BB97d]. Competition [Bor77d]. Complementarity [BD86, AR13, Bor84a, Bor85c, Bor87e, BD89, HLZ14, HLY16, KJR16, LSL11, LZ14, Li15]. complementary [BC09]. complete [BZ92]. completely [SZ14]. Completeness [Bor83b, QR07]. Completion [ABT13a, ABT14b, Bor13i, Bor14e, Bor14f, Bor15g, Bor16q]. Complex [BC04a, BMN00, Bor04-29, Bor10-29]. Complex-Parameter [BC04a]. Complexity [BB84e, BB87d, BB88d, BBxxa, BB16d, BB98a, Ber88, Wim88]. complicated [Bor14y, Bor16-28]. composite [HL15a]. Composition [KMZ^+05]. compositions [BM97e]. Compound [BB93f]. Comprehensive [BS14a, BS14b]. Compressed [BB13d, Bor09e, Bor10h, Bor11o, QYX14]. compressive [XWQ14]. Computation [Bai88, BB08a, BBMW11, BB12d, BBC14b, BCC^+14a, BB15b, BB15a, BB16a, BB16b, BB16c, BB84a, BB97b, Bor99g, Bor99h, Bor99i, Bor99j, Bor99k, Bor99l, Bor99w, BB00, Bor00h, Bor00c, Bor00d, Bor00e, Bor00f, Bor00g, Bor00h, Bor00i, Bor00t, Bor01i,
Bor01j, Bor01k, Bor03b, Bor03c, Bor03a, Bor04a, Bor04b, Bor04c, BB04a, Bor05-41, BH06, Bor07h, Bor07t, Bor07u, Bor08h, Bor09h, Bor09i, Bor09t, Bor10o, Bor11s, Bor11w, Bor11x, Bor11y, Bor11f, Bor11z, Bor11-27, Bor12c, Bor12f, BMS13, BSM13, Bor14g, Bor14h, Bor14i, Bor14j, Bor14k, Bor14l, Bor14m, Bor15h, Bor16o, MTCB99, BBP97, BB01a, BB11h, BB12, BMW13, BB15c, BB16k, Bor90q, Bor90r, Bor90s, Bor90t, Bor90u, Bor90v, Bor90w, Bor93h, Bor93i, Bor93o, BBxxc, BMN00, Bor10s].

Computation [BB16p]. Computational

[BB09a, BBB13, BBL13, BBBR16, Ber88, BB87d, BBC98, Bor99t, BBC00, Bor00s, Bor02j, Bor02k, Bor03n, Bor05g, Bor05-37, SBB13, Wim88, Zei05, BB09c, BB16d, Bor93p, BB98a, BS00, BBG03, BB10c, BLLN95].

Compute [BBB97c, BBB00b, BBB04b, BBB16, BBB97a, BBB98].

computed [MTCB98]. Computer

[BB05a, BB08c, BBKL16, Bor92j, BB92b, Bor93c, Bor93d, Bor06h, Bor07g, Bor08d, Bor08e, Bor08f, Bor09d, Bor11-28, Bor14h, Bor14i, Bor14j, Bor14k, Bor14m, Bor15h, BB12, BB12g, BB13o, Bor91d, Bor91e, Bor91f, Bor91i, Bor91h, Bor91k, Bor91l, Bor92f, Bor92g, Bor08c, BD09].

Computer-assisted

[BB05a, BB08c, Bor06h, Bor07g, Bor08d, Bor08e, Bor08f]. computers [BB12o, BB16g, BB16o]. Computing

[BBLZ13, BBS16b, Bor89h, BB01d, Bor01e, Bor02s, Bor02t, Bor03i, Bor04f, Bor04g, Bor04h, Bor05-27, Cal16, IEE08, JWDS+14, Bor92l, Bor92m, Bor92n, Bor98q, Bor03y, Bor03z, Bor05-40, Bor06-28, BS11c, BS12a]. Conant

[Bai16a, BE16]. concave [Bor86b]. Concavity [Bor90b]. concept [BRS11]. Conditions [BBY12, BBY14, Bor82b, BZ88, BL91d, BTZ98]. Cone

[BW81a, BW05a, BW81d, BB05a, BB16]. cone-convex [BW81d]. Cone-monotone [BW05a, BBL04, BG09]. Cones

[Bor77a, Bor78a, Bor86d, Bor87c, Bor87b, EB08, BO76, Bor78c, Bor80a, BM09, BM10, Zhu91]. Conference

[Ano15, Bea13, HY14, ABD03, BF06b, KG04, RZ15]. conformation [BT14b, BT14a]. confusion [BR14c, BR14a]. Congress [Bor05b]. Conical

[BBB99a, BBL99]. Conjecture [Osb05, Bor94g, BBBG96, BW97b, BMS13, BSM13, Cvi10, HC09, RP09, Tha02, War01, War03, Zha06, Zha10]. conjectured [ABBS12, BB11]. Conjugate

[BPT84, BB99b, BBWY11d, BBWY13, BV09, DK16, WSDSY15, XSW12]. Conjugates [BH06]. conjugation [BH09]. Consequence [Bor79b, Bor81c]. Consequences [Bor87c, Bor86d, Bor87b]. conspiracy [BB16h]. Constant

[BBC09, BBMW11, Mor95s, Bor10z, Bor11-29, BB97a, BMW13, BBT85, BVW03, BBGW11, Cra12]. constants

[Ade10, Ade12, BBP97, BB12y, BBGPxx, GG07, Mer15]. constrained [BTZ98, DF05, XH08, XC11, ZH06]. constraint

[BW79b, BW82a, BW82b, BW86]. constraints [Bor77a, BW81]. constructed [BB12x]. Constructible [BV04]. Construction

[BBWY11b, BBWY12b, GG07, BW98]. Constructions

[BV12, How14, BV10b]. Constructive [BK04]. contained [Art07]. containing [BV97]. continue [BB15a]. Continued
Continuity [Bor82a, Bor87a, BV02, BW05a, BY12e, BY13c]. Continuous [BB95a, BB99b, BW07, BT98, BW01]. continuously [BFKL01]. contraction [Bor83b]. Control [BB15g, BZ94, BZ97]. conundrums [Tre13]. converge [Bor98d]. Convergence [BB93b, BBT85, BL91a, BL93a, BL93c, BV95a, BBF98, BY06, BST13, BLT15, BLT16, Mar91, AB12, AB13, BB93a, BB90a, BF89c, BL91c, BV93, BV94a, BH94, BV95b, BV96c, Bor09-28, BLY13, BLY14, BST15, DL02, HL15b]. Convergent [Bai88, AL10, BB83, Bor94a, TK97]. converges [Bor94a]. converging [BB86c]. converse [BW98]. Convex [ABMMY13, BB96a, BBL97a, BW79a, Bor80b, BT84, Bor87c, Bor90e, Bor90f, Bor90c, Bor90d, Bor91b, Bor91c, Bor93e, Bor95a, Bor95b, Bor96a, BV97, Bor99a, BL00a, BRLZ00, BV01, BLZ01, Bor01a, Bor02b, BL06, Bor06s, Bor08u, Bor09-27, Bor09-31, BV10b, Bor10m, Bor10-35, Bor11p, BV12, Bor13o, BG15a, Bor15f, BL15, BG16a, Bor16i, Bor16j, Bor16k, BG16d, BG16e, Bor16v, Bor16w, Bor16x, Bor16y, Bor16z, AB12, AB13, ABMMY14, BBS10, BBL97b, BBL99, Bor79e, BW79b, Bor79a, Bor80e, BW81a, BW81c, Bor81c, BW81d, BW81b, Bor82a, BW82a, BW82b, BPT84, Bor84e, BT85, Bor86e, Bor86a, Bor86b, Bor87a, Bor87k, BP87, Bor88l, Bor89i, Bor90g, Bor90h, Bor90a, Bor90-40, Bor90-41, Bor90-42, Bor90-43, Bor91g, BFK91, Bor91p, Bor91q, Bor91r]. convex [Bor91s, BZ91, Bor92a, Bor92e, Bor92h, Bor92i, BL92c, BL92d, Bor92b, BBT92, BL93a, BF93a, Bor93f, Bor93g, BFV94, Bor94c, Bor94i, BN94, BL94a, BF95c, BV95a, Bor95n, Bor95o, Bor95t, BV96c, BL96e, BFV97, BZ98, Bor99, BMN00, BLM00, Bor00r, Bor01p, Bor01q, Bor01r, BV02, BV04, Bor05-32, Bor05-33, Bor05-34, Bor05-35, BM06, Bor06-33, Bor06-34, Bor06-35, BZ06, BM09, BGV09, BM10, BBY12, BY12a, Bor12p, BLY13, BLY14, BY14, Bor14n, BY14a, Bor15i, BG15b, BG15c, Bor15r, BG16c, NWY09, YW12, Zhu91, How14, Tod03]. convex-concave [Bor86b]. Convexity [Bor07-28, Bor07-29, Bor07-30, Bor07-31, BS11b, BS15a, BB11a, BBC01, BB01b, B076, Bor07a, BO78, Bor08c, BBFG01, Bor07-27, Bor10i, Bor10j, Bor10k, Bor10l, Bor11q, Bor11r, BY12d, BY14b]. convolutions [BBEM10]. Copulas [Bor13], PHB12, PHB14]. correlation [BR14c, BR14a]. cosmic [BB11d]. could [BB12]. Counter [Bor16]. Counter-examples [Bor16]. countrerexamples [BV10b, How14]. Counterpart [BB88b, BB91c]. Counterparts [BB15]. counting [BB11c, BB93g]. country [Bor13a]. crackers [Bor11a]. Crandall [BB12q, BB15c]. Crash [BB15m]. Creativity [Bor09o, Bor12n, Coh15]. Crime [BB15g]. crisis [BB12-29]. critical [BKW02]. Crucible [Bor09d, Bor08c, BD09]. Cubic [BB84b, BB88b, HGB93, AB15, BB86b, BB90b, BB91c, BBG94b, Bor95c, LL01, Lin00, XY12]. cultures [Se16]. Cup [BR14b]. Curiosity [BB12h]. curve [Bor90e, Bor90f]. CUSCOS [Bor89c, Bor89d, Bor90y, Bor90z, Bor90-27, Bor90-28, Bor91a]. Cusp [Bor04f, Bor04m, Bor06r]. Cyclic [BT13a, BT13b, BBB707, BB97a, BB97b, BL08, BLY13, BLY14, BT14c,
BT15, DHSZ06, HLY16, XSW12, ZH06]. cyclotomic [HC09].

D [BB93g, How14, Odl11, Bor05-46]. D-DRIVE [Bor05-46]. Danger [BB11c, BB13e]. dangerous [BB12n]. Data [BB14e, BB15e, Bor09c, BTZ98, PHBH13]. dating [BB12d]. David [Hoa05, Sha05, Zei05, Bor04n, BE16]. Day [BB13k, BB15o, BB16j, Bor07v, Bor081, Bor08m, Bor10w, Bor11w, Bor13x, Bor1u, Bor12u, Bor12w, Bor13r, Bor14t, Bor16o, Bor16c, BB14i, BB14c, BB14j]. Days [Bor11d, Bor16o, Bor11h]. DC [Coh15]. Deafening [Sol15]. death [BB11c].

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Department [Bor03j]. derivative [Bor94i, BLN95, Bor95o, BLLN95, BLN96]. Derivatives [BFV93a, BD16, AL10, BB16a, BB16b, BFV93b, Bor94n, BF95b, Bor95w, BMV97]. Deriving [BB14p]. Descent [Bor99c, BB05e, BRR08, Ber10, BM06, Bor09o]. Desperately [BB15f]. Determination [BB06a, BB05, BM00, BT14b, BT14a]. Determinations [BB98b, BB98c].

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Dian [BB95c]. Dictionary [BB91, BB99c, BS14a, Bor90, BB91a, BB02, BB90d, BWB07, BS14b]. did [BB12h]. didn't [BBW97]. Diego [BC96]. dies [BB12q, Bai16b]. Diewert [Bor90b]. Difference [Bor11p, BB11a]. different [PHBH13, Zha13].

Differentiability [BBS10, Bor90g, Bor90h, Bor90i, Bor90k, Bor90j, Bor90l, Bor92a, Bor99, Bor02d, Bor02e, BBL04, BV09, Bor70a, Bor82a, Bor86e, Bor86b, BFG87, BP87, Bor90a, Bor90-40, Bor90-41, Bor90-42, Bor90-43, Bor91p, Bor91q, Bor91r, Bor92h, Bor92b, BF93a, Bor93f, Bor93g, BF93b, BN94, BW05a, BMV06]. differentiable

[Bor95d, Bor95e, BW97a, BFKL01]. Differential [BM97c, MR96]. Digit [Bor05-40, Ade10, BB12v, BB04, Bor11i]. digit-extraction [Bor11i].

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Digits [Bai88, BBMW11, BBC+12c, BB13a, BB14e, BBBR16, BB97c, BBB00b, BBB04b, Bor09y, BB16, BB97a, BBW13, BB13b, BB14k, BB89, BBxxc].
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[BB09g, CKM+16, Via16]. Dimensional
[BBCC10, AAW06, BW81c, BW86, Bor88f, Bor91g, Bor92e, Bor92o, Bor92k, Bor94b, Bor94i, BF95a, Bor95n, Bor95o, Bor97f, Bor97l]. Dimensions
[BB86a, WB87, BB16m, Bej94, BL91d, BFL02, Bor14s, BSV15, Bor15o, Bor15p, Bor15q, BS16b, BSV16]. Diophantine [Kom00, Kom02, Kom04]. Dirac [BH94]. Direct
[BB09g, BB09d, LLC+95, FN15]. Directionally
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[BB15c, Bor01g, Bor02h, Bor02i, BC03, BC04b, Bor07e]. disciplinary
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[Bor95c, Bor97p, Bor97u, Bor97v]. Discovering
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[BB01b, BF94]. Distinct
[BW97a, BBT00]. Distributed
[Bor09b, Bor09c]. Distribution
[TB00, BG94]. distributions [BCM03]. Distor
[BO11a, Mil90, Mil89, MW12]. Dizionario
[BB95b]. Do
[BB13i, BB15l, BB14c, BB14j, Bor94o]. Doctor
[BB12b]. dodgy
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[BY12d, BY14b]. Don’t
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[BB12i, BZB08, Mer15]. Doubly
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[AB12, ABT13a, AB13, ABT13b, ABT13c, ABT14b, ABT14a, ABT15, ABT14c, ABT16, Bor10i, Bor10j, Bor10k, Bor10l, BS11b, Bor11q, Bor11r, BT13a, BT13b, Bor13i, Bor13q, BT14c, Bor14e, Bor14f, BT15, Bor15g, Bor15r, BG16b, BLS+16]. Dreams
[Bor02p]. drive
[Bor13c, Bor05-46]. Dual
[BV93, BV94a, BTBT88, BMN00, BS10]. Duality
[BL91b, BF01, Bor09-27, BC10, BL15, Art07, Bor80d, Bor80e, Bor83a, BK83, Bor83f, Bor86a, BL91d, BL92c, Bor94p, BLN96, BBY12, BBY14, Zal86]. Dubious
[BB14c, due
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[Bor04-30, Bor04-29, Bor04-28, BL08, BBB12, BBM07b, Bor16s].

E2998 [KJ86]. E2999 [SZUM86]. E3000 [ANO+83, EWM86]. E3159
[DNG+86, DBCB88]. E3160 [NJS88]. E3161 [GC88]. E3162 [Mon89].
E3163 [KC89]. E3164 [DAK88, DNG+86]. E3325 [Rud89]. E3335
[KWK+90a, KWK+90b, KWK+90c]. E3384 [Stu90]. E3388 [CJKB92].
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[Bor13s, BB12-28, BB12d, BB12h]. East
[Bor05j]. Easy
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[BM97b]. education
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[BB06a, BB08d, Bor06j, Bor06k, Bor07h, BBC07c, Bor07i, Bor07j, Bor08h, BBC08b]. effects
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efficiency [Bor80a, BZ91, BZ93, JN03, Zhu91]. Efficient [BCJW13, Bor77c, BJWC13, Bor83e, HLZ15a, Yan94, Zho12].
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Electronic [Bor01n, Bor01m, Bor02n, Bor03q, BS97b, Bor97n].
Elementary [AJB86, ANO83, AJ86, BB84a, BB97b, BB00, BB04a, CJKR92, DAK88, DNG86, DBCB88, EWM86, GC88, KJ86, KC89, KWK90a, KWK90b, KWK90c, Mon89, NJS88, NOL86, Rud89, SZUM86, Stu90, BB16p].
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Enlargements [BBY11, BBY13]. enough [BB14m]. entire [Bor02g, BS10].
Entropic [BL11]. entropies [BGL93, BH94].
Entropy [BL93c, BL94, BLN94, Bor77k, Bor91o, Bor05-32, Bor06-33, Bor08p, Bor09v, Bor10m, Bor10x, Bor10y, Bor12q, Bor13j, Bor13k, Bor13o, BHP14, Bor90c, Bor90d, BL91a, Bor91b, Bor91c, BL91b, Bor91g, Bor92e, Bor92o, Bor92k, Bor93e, Bor93k, BL93b, Bor94i, BH95, Bor95n, Bor95o, BL95, BLN96, BCM03, Bor12p, PHB12, PHBH12, PHB14]. entropy-like [BL91b].
Entropy-Type [Bor01o]. Entry [BS16a]. Environment [IE08].
Environments [Bor04e, Bor04d, Bor04i, Bor06d, Bor06b, Bor06c, Bor06g].
Epi [Bor87m, BLM00]. Epi-Lipschitz-like [Bor87m]. epi-Lipschitzian [BLM00].
Epigraphical [BV96c]. equality [Bor77a]. equation [BB13d, BBCZ13].
Equations [BM97c, BBB97c, BBB00b, BBB04b, BB16, BBB97a, Bor86f, Bor87g, Bor87f, BB89a, BB89g, Bor93k, BBG94, DLL05, MR96]. Equivalence [BMS99b, Zho12, Bor77b, Yan94]. Era [BRR08, BB12e, Ban10]. Erdélyi [FK00]. Erdos [Cra12, Mer15]. Ergodic [BG16b]. Error [BB08d, Bor06j, Bor06k, BB13m, BBL99]. Especially [Bor94h]. essays [BR01]. Essential [BBC01, BB12r, BBW97]. Essentially [Bor95d, Bor95e, BM97d, BM97e, BM98a, BM98b].
estimates [BL91a, BL93b]. Estimation [Bor91g, Bor92e, BTBT88, Bor90c, Bor90f, Bor90c, Bor90d, Bor91b, BB97b, BBT92]. eta [BG97b, BG97a]. Euclidean [Bor84b, La 09]. Euler [BBG94a, BB06a, BB08d, BBD89, Bor89f, Bor90-29, Bor90-30, Bor90-31, Bor90-32, Bor90-33, Bor90-34, Bor90-35, Bor90-36, Bor90-37, Bor90-38, Bor90-39, Bor91i, Bor91j, Bor91k, Bor91l, Bor92f, Bor92g, Bor92j, BBG95c, Bor95f, BBB96b, BC96, Bor96f, Bor96g, Bor96h, BB97d, Bor97f, BBD97, Bor98f, BBD00, BBD04, BBD05, Bor06j, Bor06k, BB06b, BZB08, BCM09, BB16]. Euler/Zagier
[BBB96b, BBB97d, Bor97f]. Eulerian [BBB15]. Evaluation [BZ7, BG96, Bor97f, BD16, BBG94a, BB16a, BB16b, BZ92, BBG95c, Bor95f, BBC08a, BZB08]. Evaluations [BBB96b, BBB97d, BG05, BBBG08, BS11a, BBSW11, BS12h, BBSW12].
even [BKW02]. ever [Bor03g]. Every [BBWY11c, BBWY12c]. everybody [BB11d, BB11g]. everywhere [Bor12l]. Exact [Bor99g, Bor99h, Bor00b, Bor00d, Bor00e, Bor00f, Bor00g, Bor00h, Bor00i, Bor01j, Bor01k]. example [Bor92d, BD11].
example-oriented [BD11]. Examples [BFV94, Bor94c, Bor16l, BB05b, Bor87m, Bor93p, Bor95t, BZ98, Tod03]. Excel [BB13n]. excluding [BBG04]. Excursion [Bor87d, Bor88a, Bor88b, Bor88c, Bor88d, Bor88e]. Exercise [BB12a, BB16f].
Existence [BF89b, Bor82d, Bor83e, Bor84c, Bor88k, BL93b]. exp [BBC08a]. exp-arc [BBC08a]. Expansion [Can14, BB83]. Expansions [BBD97, BBD00, BBD04, BB07c, BBCP04, BBD89, BG95, BBGPxx, BBD16].
expansive [BS10]. Expectations [BBCR13, Bor12g, Bor12h, BR16]. Experience [Bor07d]. experiences [Bor08q, Bor12t]. Experiment [Bor03-27, Bor03-28, Bor03-29, Bor04u, BB04b, Bor05-30, Bor05-31, Bor05-29, BB08b, Bor10a, HF05, Zei05, Hoa05, Sha05]. Experimental [BBG94a, BB01a, BB10a, BB05b, BBZ10b, BBZ10a, BBL+13, BB14a, BB15h, BB15i, BB16e, Bor94d, Bor94e, Bor94f, Bor94g, Bor94h, Bor95f, Bor95g, Bor95h, Bor95i, Bor95j, Bor95k, Bor95l, Bor95m, Bor95x, Bor96c, Bor99g, Bor99h, Bor99i, Bor99j, Bor99k, Bor99l, BBG95b, BBGP95b, BBGP96, BC99, Bor08c, BB09d, BD09, BD11, Bor09, Od11].
experimentally [ABB82, Bor93j, BB11j]. Experimentation [BB12t, Bor92j, BBGP95a, Bor03l, BBG03, Bor03m, Bor03n, Bor03o, Bor04q, Bor04r, Bor04s, Bor09h, Bor09i, Bor10n, Bor10o, Bor11s, Bor12a, Bor12i, Bor13, Bor13m, Bor11h, BB12u, Bor09u, Sha05, Zei05]. Experimentelle [BD11]. Experiments [BBG06]. Explainer [BR12, BR13b, BR14a, Tre13]. Explicit [BB06b, BB84d, BB87a, BL92d, BBG95c, BB86b].
Exploration [BB12t, BB16l]. Exploratory [BB11h, BB12u, Bor09h, Bor09i, Bor09j, Bor10n, Bor10o, Bor11s, Bor12a, Bor12i, Bor13, Bor13m, Bor14, Bor14j, Bor14k, Bor14l, Bor14m, Bor15b]. Exploring [Bor01i].
Exponential [BB94b, BBG93b]. exposing [Bor78b]. Expressions [BSW82, BBK14]. Extended [NYW09, NYW10, BBC14b]. Extension [La 09, Bor82e, DABY15, Mii90]. Extensions [Bor10z, Bor11-29, Bor88g, Bor88h, Bor88i, Bor94b, BMV06, BBGW11]. extraction [Ade10, Bor11i]. extraterrestrial [BB11g]. Extreme [Bor06m, Bor06n, GDT15, JD13].
**F** [Ban10].  **Face** [Cal16, Bor96k, Bor97w].  **Facial** [BW81d].  **Facilitating** [BSS16b].  **facilities** [YJ12].  **fact** [BB12f].  **factorization** [HN10, HLZ15a, HLZ15b, LL13].  **fail** [BW98].  **failing** [BB12m].  **failure** [Bor92o, Bor93k].  **Familiar** [BB88d, BBxxa].  **family** [Bor79c, Bor80e].  **Fan** [BZ86].  **far** [BB11d].  **Fared** [BB15k].  **Farkas** [Bor79d, Bor83d].  **Fast** [BB84a, BZ92, BLN95, BB97b, BB00, BB04a, BD16, BH95, BB16p].  **Favourite** [Bor07-28, Bor07-29, Bor07-30, Bor08u].  **Feasibility** [ABT13a, ABT14b, ABT15, BB96a, BT13b, Bor16v, Bor16w, Bor16x, Bor16y, Bor16z, ABT16, Bor12f, BT15, Bor15r].  **Feasible** [JD13, LLS11].  **Feasibly** [ABT13a, ABT14b, ABT15, BB96a, BT13b, Bor16v, Bor16w, Bor16x, Bor16y, Bor16z, ABT16, Bor12f, BT15, Bor15r].  **February** [ABD03].  **Federated** [BMP05].  **Fee** [Rei02].  **Fenchel** [BK83, BL91d, BH06, BH09].  **Fenchel-duality** [BK83].  **Fermi** [BB15f, BB15p, BH94].  **few** [BB12b].  **Feynman** [BB98b, BB98c].  **Fiasco** [BB15m, BB13l].  **Fibonacci** [Ade14a].  **fiction** [BB12f].  **field** [Cvi10].  **Fields** [Bor02p, BSZ13, Bor03p, Bor14b].  **Fifty** [Bor09j, Bor09k, Bor10p, Bor12f, Bor12k].  **filter** [AP16, ZSQ10].  **Final** [Bor06p, Bor09z].  **Finance** [Ano15].  **Financial** [BBS + 16a, BBLZ14, Cam16].  **Financially** [BB14g].  **Finding** [BBG95a, BB06b, BBG04, Bor07o].  **fine** [BB14n].  **fine-tuned** [BB14n].  **Finite** [WB87, Bej94, BW81c, Bor88l, Bor89i, BL92c, BL92d, BL93b, LA 09].  **firmly** [BR81i].  **First** [Bor92h, Bor92i, Bor93f, Bor93g, Bor06q, BZ92].  **Fisher** [BL996].  **Fitting** [BLZ13, BdPZ16].  **Fitzpatrick** [BBB + 07, BBW07, BBWY11c, BMWY11, BBWY12c].  **Five** [Bor07d, Bor15d].  **Fixed** [BB11b].  **Fixed-point** [BBBC + 11b].  **Flash** [BB15m].  **fold** [BB96b, BB97d].  **Forensic** [BB12s, BB16f].  **forever** [BB12x, BB13t].  **form** [BS16b].  **Formal** [Ade13].  **Forms** [BBBC07, Bor10f, Bor10g, BC13, LA 09].  **Formula** [AW97, Ade14b, BG87, Borxx, Bor16b].  **Formulae** [BB96b, Bor99x, AG99, Bor97c, BBG04, BB05f, BB05c, Cha03, ZS12, Zha13, ZZ14].  **Formulas** [Ade14a, BB06b, AL10, Ade10, Ade11, Ade12, Ade13, ABB12, BB11j, GG07, Nim15, Wei15].  **forthcoming** [Cam16].  **Foster** [BSW81].  **Foundation** [RZ15].  **Four** [Bor02c, Bor02q, Bor06r, Bor06s, Bor06t, Bor06u, BSW13, Bor88f, BB13c].  **Four-Color** [BB13c].  **four-dimensional** [Bor88f].  **Four-Step** [BSS16b].  **FPV** [BEY11, BY13a, BY14c].  **frack** [BB14l].  **Fractal** [Bor10q, Bor10r, Bor12f, Bor12g, Bor12h].  **Fractals** [Bor12i].  **Fraction** [Bor03d, Bor03e, Bor03f, BCF04, BC04a, BBGPxx, BL05, BL08, Bor10-28, Bor10-29, Bor11-31].  **Fractional** [Bor76a].  **Fractions** [Bor04-30, Bor04-29, Bor04-28, Bor16b, BCLM16, BHL16b, BHL16a, BZ92, BCP05, Bor05i, Bor06i, BV12a, BVSZ14].  **frame** [FN15].  **frame-based** [FN15].  **Frankowska** [Bor92c].  **Fraser** [BBJC97].  **Fraud** [BB90c, BB92a, BB11f, BB13a].  **Fréchet** [BV10a, BF93a].  **Fredholm** [Bor92o, Bork93].  **French** [Dev93].  **Fritz** [Bor76b].  **Function** [BZ87, BB96b, BBC98, Bor03-32, Bor04-31, BK05, Bork98, BL11, BD16, BL16a, AL10, AB15, BB15c, Bor91m, BZ92, BB93e, BLN95, BG97b, BG97a, BBC00, BKW02, BB05c, BC09, BS10, BBL10, Bor14n, Bor15i, BR16,
Bor16m, Bor16n, HGB93, Liu00, NWY09, SZ14]. Functional
[Bor72, BG94, Bor98k, BZ99a, LLC\textsuperscript{+95}]. Functionals
[BB93b, Bor78b, BK01]. Functions
[BB84a, BB88d, BFV93a, BB97b, BBxxa, BB00, Bor02b, BB04a, Bor07g,
Bor07h, Bor07k, Bor08h, Bor08u, Bor09m, Bor11p, Bor11-28, BV12, BD15,
BL16a, EB08, LPB01, SBW84, AB15, AAW06, BBS10, BBEM10, BB11a,
BBB15, BBB\textsuperscript{+07}, BB97a, BBC01, BBW07, BBWY11d, BBWY13, BBP03,
BBG95b, BF97, BP87, Bor90g, Bor90h, Bor90i, Bor90k, Bor90j, Bor90l,
Bor90y, Bor90z, Bor90-27, Bor90-28, Bor90a, Bor90-40, Bor90-41, Bor90-42,
Bor90-43, BB91b, Bor91a, Bor91p, Bor91q, Bor91s, BL92b, Bor92h,
Bor92i, Bor92b, BF93a, Bor93e, Bor93f, Bor93g, BF93b, BF94, BF94, BN94,
BG94, BF94, BF94, BM97d, BM97e, BM97a, BM97f, BM98a, BM98b, Bor98o,
BRLZ0, BW00, BVO1, BLZ01, BF01, BW01]. functions
[BV02, Bor02d, Bor02e, BVG02, BW03, BWV03, BVL04, BW05a, BW05b,
BMV06, Bor06h, BCC08a, BV09, BG09, BGHV09, BV10b, BV10a, Bor11-37,
BY12a, Bor12t, BY14a, BG15b, BB16p, BJT16, BS16b, BL16b, BG16c,
How14, HL15a, LL01, Liu01, Lupo2, SZ14, XY12]. Fundamental
[BB05g, Bor13a]. Funding [Bor07o, BB13q]. Further [BV94b, Mil90].
G\textsuperscript{ateaux} [BF93a, BF93b]. game [BB12d, BB15b, BB15i]. games [BB12o].
Gamma [BZ87, BK05, Bor12r, BBB15, BZ92, BC09, BB15c]. gap
[BBY12, BBY14, Bor14n, Bor15i]. gas [BB12e]. Gateway [Bor04]. Bor04k.
Gauss [Bor87d, Bor88a, Bor88b, Bor88c, Bor88d, Bor88e, Borxx, TK97].
Gaussian [Cha03]. General
[BB06b, AB15, BBWY11a, BBWY12a, Bor85c, BV01, Bor07x]. Generalisation
[BLS\textsuperscript{+16}]. Generalisations [Bor16]. Generalization
[Mil89, YS00, AB15, Bor98g, LS00]. Generalizations [TB80]. Generalized
[Bor84a, Bor99m, Bor99n, BW16, Bor00l, Bor00m, BW16, Bor10z,
Bor11-29, BS11d, BS11e, BHL16b, BHL16a, LPB01, RP09, BF97, Bor94b,
BBGW11, Cha03, War01, War03, Bor90b]. generated [SZ14]. Generating
[Bor07g, Bor07k, Bor91m, BB93e, Bor06h, PHBH12]. Generation
[PHBH13, BB16k, BCW13]. generator [BCJW13]. generators [BB13].
Generic
[Bor86e, Bor99m, Bor99n, Bor00l, Bor00m, Bor86b, BF93b, BW00, BK01].
genERICALLY [BW98]. genius [Bor91n, Bor91o, BB91d, Bor11e]. Geometric
[BB84a, BB97b, BLM97, BB00, BB04a, Bor87d, Bor88a, Bor88b, Bor88c,
Bor88d, Bor88e, Bor88f, Bor88e, BBG93, BB16p]. Geometry
[Bor09z, Bor11t, Bor80a]. German [BD11]. get [BB14n]. Girgensohn
[ODL11, Sha05, Zei05, Rei02, SZ14]. Giuga
[Bor94g, BBG96, BW97b, BMS13, BSM13]. Glenn [BE16]. Global
[AB12, AB13, ATB15, ATB16, BB12c]. globalization [GS02]. Glum
[BB13f]. glummer [BB13f]. go [Bor15a]. goals [Bor13c]. God [BB12w].
goes [Bor05j]. Going [Bor12x]. Goldbach [Bor05c, BB05d, Bor06c, Bor10b, Bor10-33]. Golden [Ade14a]. Good [Bor00i, Bor00k]. googol [Cra12]. googol-th [Cra12]. Got [Bor15t]. Gowers [Bor09b]. Gradient [BB88a, SD15, BFKL01, BFL02, DL02, DLL05, DK16, GS02, Li15, LL13, Mar91, QYX14, Ray93, Ray97, WsdSY15, XH08, XSW12, XWQ14, YW12]. Gradients [Bor09m, Bor99n, Bor00l, Bor00m]. graphics [BJCW13]. Graphs [BB93b, Ber88, BFG03]. Graves [BD03]. great [Bor13a]. Greatest [BB11i]. greco [Bor08a]. Greek [BS14b, BS14a, Bor90o, Bor90p, Bor94h, Bor08a, SV14]. Green [Bor09b, BB12e]. Grid [Bor03b, Bor03c, Bor03a, Bor04e, Bor04a, Bor04b, Bor04c, Bor04i, Bor05-27, Bor07d]. Groups [BG16a, Bor16j, Bor16k, BG16d, BG16c, BG15a, Bor15f, BG15c, Bor16i]. Grove [Bai91]. guarantee [Cam16]. Guessing [Sei01]. Guide [Bor02j, Bor02k, Bor06o]. Guided [Bor92j]. Gun [BB15g]. H [Bor92c, Hoa05, Odl11]. H. [MR11]. Haar [BF95c, Bor95a, Bor95b]. Hadamard [BF93c]. Hahn [Bor82e]. Haifa [RZ15]. Half [WSL16]. Hand [BB12v]. Hand-to-hand [BB12v]. Handbook [Sch15]. handheld [Bor00w]. Handling [Bor03q]. happen [BB13a]. Hard [Bor01e, Bor02s, Bor02t, BBL+16b, XC11]. Hardback [Ban10]. hardcover [BC96, Bor09f]. HarperCollins [BB91a]. hated [BO11b]. Hausdorff [BK80]. having [BF93a]. headlines [BB12a]. Heats [BB15d]. Heisenberg [BBEM07a]. held [SBW84]. Helen [Coh15]. Hello [Bor77b, Bor79b, Bor81e]. Here [Bor05r]. Hermitian [Bor84c]. Hersh [BO11b]. heuristic [BH95, BLN95, JY12]. Heyting [Bor98d]. Hide [BB13]. Higgs [BB13g]. High [BB08a, BB08e, BB09b, BB11b, BBB12, BB13h, BB15j, BB90c, BL92e, BB92a, Bor98h, Bor05s, Bor05t, Bor05u, Bor05v, Bor05-47, Bor05-48, Bor05-49, Bor05-50, Bor05-51, Bor05-52, Bor06z, Bor06v, Bor06w, Bor06x, Bor06y, Bor06-37, Bor06-38, Bor06-39, Bor07f, BB09g, Bor10s, IE08, BB09b, BB87a, BBW97, Bor03y, Bor03z, Bor05-40]. high-accuracy [Bor05-40]. high-end [Bor03y, Bor03z]. High-Performance [IE08]. High-Precision [BB08a, BB08e, BB08b, BB13h, BB11b, BBB12, BB15j]. Higher [BCC10, AL10, BB84b, BS15, BS16]. Higher-Dimensional [BCC10]. Highly [BB08e, BB09b, Bor03g]. Hilbert [BBEM10, BBL97b, Bor05w, Bor08k, Bor09m, Bor10c, Bor10d]. History [Bor77d, BJL+08, Bor11w, Bor11x, Bor11y, Bor16o, Sel16, BB16k, Bor09q, Bor90r, Bor90s, Bor90t, Bor90u, Bor90v, Bor90w, Bor90x, Bor93h, Bor93i, BC15a, BC16]. Hölder [BLT15, BLT16, BGW98, BW03]. Homotopy [BO11a]. Honor [SV14, Ane15, BBB+13]. Honoris [Bor99o]. honour [Bor16]. Honours [BZ11]. Hope [BB14f]. hoping [Bor01f]. Hopkins [BS14a]. hosted [IE08]. Hot [BB12c]. HPC [Bor04p, Bor05k, Bor05l, Bor05m, Bor05n, Bor06o, R+05]. HPCS [IE08, IE08]. HPCS06 [BB06a]. hull [BBL99]. Human [Cal16, WG16]. humans [BB16g, BB16h]. hundred [BBx]. Hurwitz [BB15]. Hybrid [Bor11f, Bor11z, Bor11-27]. Hype [BB13i, BB14f]. hyperbolic
BBT85, BBS89, BL92d, BBP98, BBS13b, BBS14b. Lattices
[BBSZ87, BS83, BY84, BS84b, BBSZ88]. Lau [Bor13g]. Launch [Bor03-31].
Law [BB12], BB12i, BB15n, Bor15i]. Lawrence [Bor07c]. Leader [Bor09b].
Learning [Bor05-42, Bor05-43, Bor05-44, MTB16]. Lecture
[Bor06q, Bor06p, Bor09z]. Lectures [Bor06r, Bor06s, Bor06t, Bor06u,
Bor09-29, Bor09-27, Bor09-30, Bor09-28, Bor09z, Bor13-30, Bor15r]. legacy
[BC14c, BC14d, BC15]. Legendre
[BB97a, BBC01, Bor87d, Bor88a,
Bor88b, Bor88c, Bor88d, Bor88e, BV01, BV10a, BY12a, BY14a, TK97].
Legendre-type [BY12a, BY14a]. Leibniz
[BWB97]. lemma
[Bor79d, Bor83d]. LENR
[BB15d, BB16i]. Lessons
[BB15m, KMZ05]. let
[Bor13c]. Letter
[Bor11b, Cha16, Zäi86]. Level
[BB93b, Bor99t, Bor00s, Bor11g, Bor11-36, BS00]. Levi [Bai16a].
Lewis
[Tod03]. Lexicographic
[Bor80c]. Library
[BB13c, BB91d, Bor93m, Bor93r, Bor93s, Bor93t, Bor93u, Bor93v, Bor93w,
Bor93x, Bor16p, Bor14q, BB11g, BB12h, Bor91n, Bor91o, BM06, Bor08a, Bor15b].
light
[Fab89]. Like
[WSL16, AG99, BBB05, BBB06a, Bor87m, BL91b, BB96b, BB97c, Bor97u,
Bor97v, BBP98, BB05f, BB05c, Bor07-27, Bor15d, DAB15, GDT15, JD13].
likely
[BB16h]. Liljedahl
[Coh15]. limit
[BF95a]. Limiting
[Bor79b, BZ98, Bor80d, Bor11e]. Limits
[WG16, BBS13b, BBS14b]. line
[BW03, YW12]. Linear
[BB93b, Bor72, BD86, BB95a, BB99b, BBL99, BB00, BBW07, BWY10,
BMWY11, BB94a, BFG87, BB99, Bor93b, BM09, BM10, BY12b, BY13b,
BBS14a, DL02, DL05, DAB15, HLZ14, HLY16, KJR16, LLS11, LZ14, Li15].
lines [Bor79h]. links
[BB98b, BB98c]. Lipschitz
[BB11a, Bor99h, Bor90i, Bor90j, Bor90k, Bor90l, Bor90m, Bor90n, Bor90o,
Bor90p, Bor90q, Bor91r, Bor91s, Bor92a, Bor92b, BFV93a, BFV93b, BFV95a,
Bor95a, Bor95d, Bor95e, BFV97, BM97d, BM97e, BM97d, BM97w, BM98a,
BM98b, Bor98b, Bor99h, Bor00b, BFI02, BGV03, BW03, BVW03, BW05b].
Lipschitz-constant
[BVW03]. Lipschitzian
[BBEM10, BS84a, BLM00]. Lists
[Bor05g, Bor05i]. literacy
[BB13f]. Literate
[BB14g]. Literature
[BB05c, BM07a, Bor02g]. little
[Bor11h]. Littlewood
[HC09]. Local
[BF98a, BVW03, QR07, BB99b, Bor79g, LN03]. Locally
[BFV93a, BFV93b, BD16c, BB11a, BFV97, QR07]. locating
[JY12]. Log
[BB84e, BS11a, BBSW11, Bor11f, BS11d, BS11e, BS12b, BBSW12, Bor12r,
BBBB15, BS13]. log-gamma
[BBB15]. Log-sine
[BS11a, BBSW11, Bor11f, BS11d, BS11e, BS12b, BBSW12, BS13].
Logarithmic
[BB93f]. Logarithms
[Bor16h, BCLM16, BHL16b, BHL16a, Cha03]. Logsin
[Bor11-33, Bor11-34].
Long
[Bor04p, Bor05k, Bor05l, Bor05m, Bor05n, Bor05o, Bor06l, R+05,
Bor03y, Bor03z, Bor06-28]. long-range
[Bor06-28]. Loving
[BO11b]. Low
[BB14h]. Lowell
[Bor77d]. lower
[Bor90k, Bor90l, BMS13, BS13, BLZ01]. LRP
[Bor05-27]. lsc
[Bor90a, Bor92b]. Ltd
[Ban10]. Luke
[Odl11].
WM07, WSdSY15, XH08, YW12, ZH06, ZSQ10. **Methodology [BBGP95a].**

**Methods**

[ABT13a, ABT13b, ABT14b, ABT14a, BB88a, BL93c, Bor97k, Bor00t, Bor01o, BZ02a, Bor02b, Bor05-32, Bor06-33, Bor08p, Bor09q, Bor09v, Bor09z, Bor10m, Bor10f, Bor10y, Bor12q, Bor13j, Bor13k, Bor13o, BST13, Sch15, ABT13c, ABT14c, BB05b, Bor92l, Bor92m, Bor94i, BLN95, Bor95n, Bor95o, Bor98k, BZ06, Bor12p, Bor13i, BZ13, Bor14e, BT14b, BT14a, Bor15g, BST15, Bor15r, Bor16q, DF05, GT15, HNP10, HL15b, JD13, PHBH12].

**metric [BK80, BZ96].** Michel [Bor16l]. might [Bor07-27]. mine [BB12i].

**Minimal [Bor89c, Bor89d, Bor90y, Bor90z, Bor90-27, Bor90-28, Bor91a, BFK91, Bor95p, Bor95q, BF89a, BM97a, BK04]. Minimality [Bor87c, Bor82b, Bor86d, Bor87b, BM00]. minimax [BZ86, Bor14y, Bor16-28]. **Minimization** [BL94, BLN94, Bor09-29, Bor09-27, Bor09-30, Bor09z, BL91b, Bor92k, BV09, NWY10, Ray97, XWQ14]. minimizing [HL15a, NWY09].

**minimum [Bor79c, Bor80e]. miscalculate [BB11c]. Missing [Bor09c]. MKM [ABD03, BF06b]. modal [Bor96e]. model [Bor16g, Cam16].

**Modelling** [Bor13p, BHP14, PHB14, Bea13]. **models** [BL92d, Cam16]. Modern [Bor99y, BB12x, BB15b, BB15i, BS11c, BS12a].

**Moderne** [Fall96]. Modified [LL13, XSW12]. MODSIM [Bea13]. **Modular** [BBB97c, BB00b, BB04b, BBB16, BB97a, Bor85b, Bor86f, Bor87g, Bor87f, BB89a, BBB94b, Lin00]. moduli [Zha13]. modulo [ZS12, ZZ14].

**Moll [Odl11]. moment** [Bor90c, Bor90f, BL91c, BGL93, BH94, BL94a, BH95]. Moments [BS07, BS08, Bor10z, BBGW11, Bor11-29, Bor14s, BS16a, TB00, BBBG08].

**Mono** [Ber88]. Mono- [Ber88]. Monochrome [Bor79h]. monoids [Bor15f, Bor16i]. **Monotone** [BBWY11d, BBWY13, Bor72, Bor02b, Bor04o, Bor05-33, Bor05-34, Bor05-35, Bor05-36, BW06, Bor06s, Bor06t, Bor06-34, Bor06-35, Bor06-31, Bor09-28, BBY11, BEY11, BY12c, BY13, BD15, EB08, BB95a, BB10c, BBW07, BWY10, BBWY11b, BBWY11c, BMWY11, BBWY12b, BBWY12c, Bor86b, BF89a, BFK91, Bor98n, Bor02d, Bor02e, BBL04, BW05a, Bor06-32, BW07, Bor07b, Bor07x, BE08, BG09, Bor12j, Bor12k, BY12f, BY12b, BY12d, BY12c, BY13b, BY13a, BY13c, BY14b, BY14c, BY15, HLZ15a, ZS14].

**Monotonicity** [Bor09j, Bor09k, Bor12y, BB815b, BB89b, BMWY11, Bor82c, Bor06-30, Bor10p, BR11, Bor12j, Bor12k]. Monthly [BB07a, BB12-27, BB09e, BB09f, BB10b, BC15a, BC16]. Montreal [KG04]. Moore [BB12j, BB12i, BB15m, Bor15i]. Mordecai [Bor90b]. Mordell [BBC14b, BB15a, BB16a, BB16c, Bor12e, Bor12f, Bor12r]. Mosco [BB90a, BB93b, Bor88j, BF89c, BV93, BV94a]. most [Bor16b]. Motivation [Bor09-29]. Movements [BB13r]. movies [Bor15b]. MR [Bor81a].

**MR0716121** [Zal86]. **MR0991866** [BBB97a]. Multi [Bor96c, Bor97l, BBBM02, Bor97f, Bor16g]. Multi-dimensional [Bor97l, Bor97f]. multi-disciplinary [Bor16g]. multi-institutional [Bor16g]. **Multi-modal** [Bor96c]. Multi-variable [BBM02]. Multidimensional [Bor96f, Bor96g, Bor96h, BH06, BTBT88, Bor97p].
Multifunctional [Bor98k, BZ99a]. multifunctions [Bor94b, BF95a, Bor95p, Bor95q, BMS99a]. Multimedia [BMPR02].
Multimodal [Bor97m]. multiobjective [MPB16]. Multiple [BBBL99, BBK00, Bor10-27, BZ11, BBBL98a, BBBL98b, BBK01, BBBL01, BC10, BDT16, JY12]. multiple-zeta [BC10]. Multiplier [Bor80b, Bor81d]. multipliers [Bor80c, BZ16]. Multivalued [Bor77a, Bor79d].
Multivariable [Bor00r, Bor01p, Bor01q, Bor01r]. Multivariate [HYG09, BL92b]. Music [Bor12s]. Musicians [BB16n]. My [Bor08q, Bor12t, Bor07-28, Bor07-29, Bor07-30, Bor08u]. Mysteries [Bor11-30].

N [BC96, Odl11]. National [Bor05]. NATO [SBW84]. natural [RP09]. Nearest [BG15b, BG16c, Bor88k, BF89b]. Necessary [Bor82b, BZ708, BZ88]. needs [Bor13a]. negative [BMWY11, BY12f, LL13]. negative-infinity [BMWY11]. Nested [BdB91]. Network [Bor99b, Bor99c]. Networking [Bor98e]. Neumann [BB93a]. Nevanlinna [Bor03p]. Neverending [BVSZ14]. Newfoundland [IEE08, SBW84].
Newly [BB12k]. news [BB12a]. Newton [BWB97]. Next [Bor02c, Bor02q, BB16k]. NI [BE08]. Nielsen [BS15b]. NJ [Bor09b]. NMR [BMN00]. No [BB13i, BM97b, BB13e, BKW02, Cam16, Zal86, BB12x]. no. [BZ02a]. Nobel [Bor14b]. Non [Bor72, Bor05-32, Bor06-33, Bor13o, Bor16v, Bor16w, Bor16x, Bor16y, Bor16z, AB12, AB13, BBWY11b, BBWY12b, BZ94, BE08, BS10, Bor15r, LL13, Sel16, BM07d]. Non- [Bor05-32, Bor06-33].
Non-Convex [Bor16v, Bor16w, Bor16x, Bor16y, Bor16z, Bor13o, AB12, AB13]. non-expansive [BS10]. Non-Linear [Bor72]. non-negative [LL13]. non-reflexive [BBWY11b, BBWY12b, BZ94, BE08]. Non-smooth [BM07d]. non-Western [Sel16]. nonattaining [BK01]. Nonconvex [AB15, Bor10m, Bor13q, AB16, BZ98, BJ98, Bor12p].
nondifferentiability [BG09]. Nonexpansive [BS3, BS84b, Bor09-28, BR11]. Nonlinear [BBC09, Bor99a, BL00a, BZ02a, BZ02b, Tod03, BL06]. nonlocal [PT14]. Nonmonotone [GS02, QYX14, XWQ14, AP16, L115, YW12, ZSQ10]. nonnegative [HNP10, HLZ15a, HLZ15b, WM07]. Nonnormality [BB12y]. nonreflexive [BL93a, BV94b, BZ97]. nonsense [BB12z]. Nonsmooth [Bor94]. Bor94k, Bor94l, Bor94m, BM07b, WBS7, Bor98k, BZ99a, XWQ14, YW12]. Norm [Bor86a, BST13, BST15, Art07, BFG03]. Normal [BB13j]. BB13k, BB14c, BB14j, BCWJ13, BG87]. Normality [BBC+11a, BB+12b, BBC+12c, BB+12a, BN84]. normed [BFG87, BR92, BFV94, Bor95c, BLM00]. norms [BY84, BV93, BV94a, BSM02, BGV02, BBL10]. notation [BB11e]. Note [BB86a, BM97b, Bor76b, Bor80d, Bor82d, Bor82c, Bor83d, BF94, Re02, Tha02]. Notes [Bor06-36, HC09]. notion [JN03]. Notions [Bor79c, BZ93a, Bor08d, Bor79b]. novel [Ade12]. Nuclear [BB14h]. Null [BM98b, BF95c, Bor95a, Bor95b]. Number [Ber88, BB87d, KG04, Wim88, BB13t, BCWJ13, BCWJ13, BB93d, BB98a, BSZ13]. Numbered
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[Bor11d, Bor11h]. Numbers [Ade14a, ABBB13, BB88d, BBD97, BBxxa, BDD00, BDD04, Bor09t, Bor13-27, Bor13-28, Bor16-03, Bor16-31, Bor16-32, BBCP04, BB11e, BB12a, BB13j, BB14k, BCJW13, BBD89, BB90d, Bor11i, Bor13h, Bor13i, Bor13v, Bor13w, Bor13x, Bor13y, Bor13z, Bor14w, Bor14x, BBD16, Bor16r, Bor16s, Bor16t, RP09, Bai91, Lor90]. numeracy [BB12-29]. Numerical [BB08e, BB08b, BB12z, Bor99t, BS00, Bor00s, Bor09y, BB11b, Bor05-40, MR96]. numerique [Bor00a]. Nurturing [Bor03-30].

O [BB13a]. objectives [Bor91g, Bor92e]. Objects [Bor06s, Bor91d, Bor91e, Bor91i, Bor91j, Bor91k, Bor91l, Bor92f, Bor92g, Bor05-33, Bor05-34, Bor05-35, Bor06-34, Bor06-35]. Observations [BB92b]. odd [BS16b]. odds [BR14b]. Odyssey [BB12p]. OEIS [Bor15d, Bor16a]. Official [Bor03-31]. often [Bor15a]. oil [BB12e]. Old [BB14p, BB12d, BB15n, Bor15l]. One [BB97c, BB00b, Bor03-32, BBB04b, BB16, BB97a, BB89, Bor94b, BF95a, BCFR04]. one-dimensional [Bor94b, BF95a]. Online [BBS16a, BS97b, Bor97n, Bor01f]. only [BB13q]. ontological [BB15b, BB15i]. Ontology [DD15, BB15b, BB15i]. Open [Bor88k, Bor03-34, Pea07, BBS13a, BB13o, BB99a]. openness [Bor87a, BB13n]. Oper. [Zal86]. Operator [BY12c, BBWY11c, BWY12c, BY12b, BY12d, BY13b, BY14b, BY15, BG16b, KMY00]. Operators [Bor72, Bor04a, BW06, Bor06t, Bor06-31, BBY13, EB08, BB99b, BBW07, BBWY11b, BBWY12b, BBWY13, BB82a, BPT84, Bor84e, Bor86e, Bor86b, BF99a, BFK91, Bor92o, BT92, Bor98n, BRLZ00, BLZ01, Bor05-33, Bor05-34, Bor05-35, Bor05-36, Bor06s, Bor06-34, Bor06-35, Bor06-32, BW07, Bor07b, Bor07x, BE08, BJS11, BEY11, Bor12j, Bor12k, BY12f, BY12e, BBY13, BY13a, BY13c, BY14c, RZ15]. Opinion [BBS13a]. Opportunities [BB13b, BBS14a, BB14a]. optimal [Pos13]. Optimality [BW79a, BW79b, BW81c, BW82a, BW82b]. Optimisation [Bor16l, BM07d, JN03]. Optimization [Ano15, ABT13b, ABT14a, BBC13, Bor74, Bor78a, Bor99a, BL00a, Bor02b, Bor12-30, Bor12-31, Bor16m, Bor16n, BL16a, Tod03, ABT14c, AP16, BBL99, BBC03, Bor77a, Bor81b, BN84, BZ91, BZ93, BL94b, BTZ98, BL06, BL16b, DHJS06, MPB16, WSdSY15, XH08, XSW12, YW12, ZH06, ZSQ10, Zho12]. option [BCM03]. Order [BD86, Bor87e, EB08, BB84b, BB84d, Bor86e, BB87a, BD89, Bor92h, Bor92i, Bor93f, Bor93g, BF93b, BN94].

order-bounded [Bor86e]. orderings [Bor74]. Organic [Bor96i, BBWC97, BJ12, Bor97e, BBC+97b, BBWC97]. oriented [BD11].

origin [BDT16, BG16b]. originating [Bor05i, Bor06i]. Origins [BS14b, BS14a]. OSCAR [IE08]. oscillatory [BB10a]. Other [Bor00j, Bor00k, Bor05-42, Bor05-43, Bor05-44, Bor16o, GS08, Bor92o, Bor93k, BFV97, Bor05-45, BL16a, BL16b, Tre13]. out-of-sample [BB13c]. outlook [BB01a]. Over-Fitting [BBL13, BB1PZ16]. Overfitting [BBS+16a, BBLZ14, BBS+15a, BBS+16b, BBL16a]. Overseas [BB15].

Overview [Bor09-29]. Oxford [BB93g, Bor06o, BO11b, Bor06o]. Oz [Bor11m, Bor11n].
plates [BB91d]. Plausible
[Bor93c, Bor93d, Bor03-27, Bor03-28, Bor03-33, BB04b, Bor04-27, Bor04w, Bor04x, Bor04y, Bor04z, Bor06-29, Bor10a, HF05, Hoa05, Zei05]. playing [BB12o]. Please [BB13l]. Pleasure [Bor02l, Bor02m, Bor05a].

Point [BB88a, BBC+11b, Bor84a, BB91b, BLT15, BLT16, HD07]. Points
[Bor77c, Bor84d, Bor83e, Bor86c, Bor88k, BF89b, Bor92l, Bor92m, Bor92n, BF93a, BW97a, BKW02, BY12e, BY13c, BG15b, BG16c]. Poisson
[BB13d, BBCZ13, BBKL16, TB00]. Pol [BB07c]. politicians [BB12-28].

Pleisure [Bor02l, Bor02m, Bor05a]. Point [BB88a, BBC+11b, Bor84a, BB91b, BLT15, BLT16, HD07]. Points
[Bor77c, Bor84d, Bor83e, Bor86c, Bor88k, BF89b, Bor92l, Bor92m, Bor92n, BF93a, BW97a, BKW02, BY12e, BY13c, BG15b, BG16c]. Poisson
[BB13d, BBCZ13, BBKL16, TB00]. Pol [BB07c]. politicians [BB12-28].

Ploue [BC96]. Point [BB88a, BBC+11b, Bor84a, BB91b, BLT15, BLT16, HD07]. Points
[Bor77c, Bor84d, Bor83e, Bor86c, Bor88k, BF89b, Bor92l, Bor92m, Bor92n, BF93a, BW97a, BKW02, BY12e, BY13c, BG15b, BG16c]. Poisson
[BB13d, BBCZ13, BBKL16, TB00]. Pol [BB07c]. politicians [BB12-28].

Plasticity [Bor02l, Bor02m, Bor05a]. Point [BB88a, BBC+11b, Bor84a, BB91b, BLT15, BLT16, HD07]. Points
[Bor77c, Bor84d, Bor83e, Bor86c, Bor88k, BF89b, Bor92l, Bor92m, Bor92n, BF93a, BW97a, BKW02, BY12e, BY13c, BG15b, BG16c]. Poisson
[BB13d, BBCZ13, BBKL16, TB00]. Pol [BB07c]. politicians [BB12-28].

Pol
[BB07c]. politicians [BB12-28].

Polynomials [BBKL16, HC09]. Poorten [BSZ13]. Portfolio
[BB90a, Bor91a, BB93c, BC96, Bor06o, Bor09b, BO11b, BS14a]. Preiss
[Bej94, Dev9x, Fab89, Geo05, KPS16, LS00, QR07, YS00]. Preisses
[Bor89c].

Prepared [BB15o]. prescribed [BMW97, BW03]. Presence
[BB90a, Bor91a, BB93c, BC96, Bor06o, Bor09b, BO11b, BS14a]. Preiss
[Bej94, Dev9x, Fab89, Geo05, KPS16, LS00, QR07, YS00]. Preisses
[Bor89c].

Presentation [Bor05e, Bor89a]. presidential [BB12z]. Press [BB93g, BC96, Bor06o, Bor09b, BO11b, BS14a].

Previously [BBMW11, BBM13]. Price [Bai91, Ber88].

primes [BCM03], primality [Bor94g, BBBG96, BW97b, BMS13, BSM13].

Princeton [Bor99b, BO11b, HDG+15]. Principle [Bor03-32, Bor04-31, BHP14, Geo05, YS00, Bor83b, BB84f, Bor86g, BP87, Bor87h, Bor87j, Bor90m, Bor90n, BCM03, BCFR04, Fab89, KPS16, LS00, QR07]. Principles
[BB96a, BM599b, Bor06a, Bor06b, Bor06c, Bor09-30, Bej94, BTZ99, BV09]. Prize [Bor03p, Bai16a, Bor14b, BE16]. Prizes [Bor03p].

probability [BBZ13, BCM03, BBdPZ16].

Problem
[ABT15, BB07b, BB07a, BB08f, BB09e, BB10b, BB12-27, BD86, Bor13d, Bor13e, Bor13h, WSL16, ABT16, BB16m, BW81d, BD89, BGL93, CKM+16, GD15, LLS11, PT14, Pos13, Ray97, Vla14, Vir14, Zho12]. Problems
[AJB86, ABT13a, ABT13b, ABT14b, ABT14a, ANO+83, AJ86, BB09f, BB09a, BL87, BSZ+83, BB85, Bor85a, BN86, BB87c, Bor93l, BB93c, BLN94, Bor96j, BD96, BBS+97, BBP99, Bor05b, Bor08p, Bor09c, Bor09v, Bor09-29, Bor09-27, Bor09-28, Bor09z, Bor10m, Bor10x, Bor10y, Bor12q, BT13b, Bor13k, Bor13o, Bor16v, Bor16w, Bor16x, Bor16y, Bor16z, BKL+93, CJKB92, DAK88, DNG+86, DBCB88, EWM86, GRM+97, GC88, KJ86, KC89, KWK+90a, KWK+90b, KWK+90c, LPB01, Mon89, NJS88, NOL86, RSP+93, Rud89, Sch85, SB87, SH87, SZUM86, Stu90, TB00, AR13, ABT14c.
AP16, BBKW06, BBC+11b, BTBT88, Bor84a, Bor85c, Bor88k, BL91c, BL91b, Bor92, Bor92m, Bor92a, BZ94, BH94, BL94a, BH95, BZ97, BTZ98, Bor12p, Bor13i, Bor14e, Bor14f, BT14b, BT14a. problems [BT15, Bor15g, Bor15r, HD07, HLZ14, HLY16, JD13, KJR16, LZ14, Li15, MPB16, NWY10, Pea07, WSDSY15, YW12]. Proceedings [Bor96i, BBJC97, HY14, ABD03, BF06b, RZ15]. process [Bor96i, BBJC97, HY14, ABD03, BF06b, RZ15]. processes [Bor86a, MTCB98]. processing [BJC13]. Product [BPB99, BB83]. productive [Bor03g]. products [RZ15]. Program [BB79a, BW79b, BW81c, BW81b, BW82a, BW82b, BWB97]. programmed [BB11c]. Programming [Bor01o, Bor05-32, Bor06-33, BL15, TB80, Bor76a, Bor79a, BW81a, Bor81c, BW81d, Bor83c, Bor83f, BW86, Bor87k, Bor88l, Bor89i, Bor90e, Bor90f, Bor90c, Bor90d, Bor91b, Bor91c, Bor92a, BL92d, BT92, Bor93e, BL93b, Bor94i, Bor95m, Bor95o, BBY12, BBY14, DF05]. programs [Bor79c, Bor80e, BK83, Bor91g, Bor92e]. Progress [BB08b, BB11b, Bor12y, BY12c, BY15]. progressions [Zah06]. Projected [DF05, LZY14, WM07, HNP10, HLZ15a, HLZ15b, HLY16, ZH06].

Projection [BB96a, Bor98n, Bor99x, Bor09v, Bor10c, Bor10d, Bor10m, Bor10y, Bor12q, Bor13o, BST13, BB93a, BB94a, BB97a, BLY13, BLY14, BST15]. projections [BB97a, BB97b]. promises [Bor94d, Bor94e, Bor94f, Bor95g, Bor95h, Bor95i, Bor95j, Bor95k, Bor95l, Bor95m, Bor96c]. Proof [Bor02l, Bor02m, Bor05a, Bor07g, Bor07k, BS07, Bor08g, BS08, BB11j, Bor12a, Cvi10, GS08, HD12, Art07, BB08c, Bor77b, Bor94a, Bor06h, Bor08d, Bor08e, Bor08f, Bor09a, Bor09c, Bor09f, Bor09g, Bor09a, BY12f, Bor14y, Bor16-28]. proofs [Ade13, Gui08]. Proper [Bor97c, JD03, Yan94, Zhu91]. properly [Zho12]. Properties [Bor00m, BBEM10, BBEM10, BBEM10, BBT00, Bor82a, Bor90g, Bor90h, Bor90i, Bor90j, Bor90l, Bor90a, Bor90c, Bor90d, Bor90-43, Bor91b, Bor91c, Bor91d, Bor91e, Bor92a, Bor92b, Bor99, BB01c, BNSW11, Mar91]. property [BB99, Bor82e, Bor88r, B89c, BJ98]. Prophets [BB15k]. Proposed [BB08b]. Prospects [BB05a, Bor09w, Bor09x]. protein [BT14b, BT14a]. Prototype [BMP05]. proving [HD12]. prox [BBEM10]. prox-regular [BBEM10]. Proximal [BS86, BS87, BI96, BG87, BGW98]. Proximity [Bor06u, Bor07y, Bor08t]. Pseudo [BBLZ14, BCJW13].

Pseudo-mathematics [BBLZ14]. pseudo-random [BCJW13]. pseudoconvex [QR07]. pseudorandom [BB13]. PSLQ [BB09d]. Public [BB14g, Bor03h, Bor12-28]. Publication [Bor98a, BS97b]. Publishing [Bor99y, Bor96d, Bor97h, Bor97i, Bor97n]. Putnam [Bor77d]. puzzles [Bor15a].

QC [KG04]. QPQC [Pos13]. Quadratic [Bor89g, Bor89h, BY06, HLZ15b, Bor82b, DF05, La 09, NWY09]. quadratically [BB86c]. Quadtature [BB06a, BB08d, Bor06j, Bor06k, Bor06m, Bor06n, BY06]. qualification [BW79b, BW82a, BW82b, BW86]. Quantitative [Ano15, Koh01]. quantum [Cvi10]. Quartically [Bai88, TK97]. Quasi [BL92c]. quasiconvex [BBP03].
quest \[BBBP97, BBxxc\]. question \[BB14l, MR11\]. Questions \[Bor03-34\]. Quinn \[BBC09\].

R \[Odl11\]. Rachford \[AB12, ABT13a, AB13, ABT13b, ABT13c, ABT14b, ABT14a, ABT15, ABT14c, ABT16, Bor10i, Bor10j, Bor10k, Bor10l, BS11b, Bor11q, Bor11r, BT13a, BT13b, Bor13i, Bor13j, BT14c, Bor14e, Bor14f, BT15, Bor15g, Bor15r, BG16b, BLS+16]. radicals \[BdB91\]. Rainfall \[Bor14l\]. Ramanujan \[AB15, AAB12, BBB97a, BBG95b, BR01, Bor85b, Bor86f, BB87a, Bor87g, Bor87f, BB87b, Bor87l, BB88c, BB88e, BB89a, Bor89f, BB89, Bor90-29, Bor90-30, Bor90-31, Bor90-32, Bor90-33, Bor90-34, Bor90-35, Bor90-36, Bor90-37, Bor90-38, Bor90-39, Bor91i, Bor91j, Bor91k, Bor91l, BB91e, Bor91n, Bor91o, Bor92f, Bor92g, BB92d, BB93d, BB94d, BB96c, BB97c, BB00b, BB01, Bor03d, Bor03e, Bor03f, Bor04-30, Bor04-29, Bor04-28, BCF04, BC04a, BBB04b, BL05, Bor05i, Bor06i, BL08, Bor10z, Bor10-28, Bor10-29, Bor11-28, BBGW11, Bor11-29, Bor11-30, Bor12x, BB16, Bor16d, BB16q, Lu00, BB91d]. Ramanujan-type \[BB87a, BB88c, BL08\]. Ramble \[Bor10-30, Bor10-31, Bor11-32\]. Rand \[BBC09\]. Random \[BB13a, BNSW10, Bor10-30, Bor10-31, Bor11-32, BSW13, Gan14, BB13b, BB97a, BCJW13, BCJW13, BL05, Bor10c, BSWZ11, BNSW11, Bor12b, BSWZ12, BR13a, BS16b, BS16a].

Randomness \[BBBR16\]. Range \[Bor04p, Bor05k, Bor05l, Bor05m, Bor05n, Bor05o, Bor06l, R+05, BW81c, BFKL01, BFL02, Bor03y, Bor03z, Bor06-28\]. rapid \[BBP97\]. rapidly \[AL10, BB83\]. rate \[BLY13, BLY14, BLT15, BLT16, HL15b\]. Ratio \[Ade14a\]. Rational \[BZ87, BB87b, BZ92, BB98b, BB98c\]. Reactions \[BB14h\]. Real \[ABB13, Bai91, BCF04, Bor13-27, Bor13-28, Bor90, BBG87, BB90, BB91b, Bor04-30, Bor10-28, Bor14w, Bor14x, Bor16r, Bor16s, Bor16t]. Real-Parameter \[BCF04\]. Realistic \[BST13, BST15\]. Reality \[Bor05-39, BB12p, BB13g\]. Really \[BB14e\]. rearrangement \[BLZ01\].

Reasoning \[Bor93c, Bor93d, Bor03-27, Bor03-28, Bor03-29, Bor03-33, BB04b, Bor04-27, Bor04w, Bor04x, Bor04y, Bor04z, Bor06-29, Bor06a, HF05, Haoa05, Zei05\]. Receive \[BE16, Bai16a\]. Reconstruction \[Bor09z, Bor92o, Bor93k, BLN95, BLNN95, BLN96, LLC+95, MTCB98\]. reconstructions \[MTCB99\]. Recurrence \[BS08, BBCM07b\]. recurrences \[BB814a\]. Recursion \[BS07\]. Recursions \[BB06b\]. Reduced \[BB84e\]. reduction \[BW81d\]. Refined \[BBFG01, War03\]. Reflection \[BST13, BT14b, BT14a, Bor16q, BST15, Bor15r\]. reflexive \[BBWY11b, BBWY12b, Bor93a, BZ94, BTZ97, BE08, BV10a, Bor13f, Bor13g, Bor13h\]. reflexivity \[BB90a\]. regional \[JJ12\]. registration \[HYG09\]. Regular \[Bor84d, BBEM10, Bor86c\]. regularity \[BB99a, BBL99, BBT00, BS11b, BS16a, BS16b, BS16c, BS16d, BS16e, BS16f, BS16g, BS16h, BS16i, BS16j, BS16k, BS16l, BS16m, BS16n, BS16o, BS16p, BS16q, BS16r, BS16s, BS16t, BS16u, BS16v, BS16w, BS16x, BS16y, BS16z, BS16\]. Regularization \[BL11, HJZ15b\]. regularizations \[BV95a\]. Regularized \[WSL16, MTCB99, XWQ14\]. Regularizing \[BW81b\]. Regulatory \[BB15n\]. Reich \[Koh01\]. Reinhart \[BB13m\]. Related
[Bor02b, BHL16b, BHL16a, BS84b, BB95d, BB01c, BSZ13]. relating
[BW97b]. Relation [Bor09p, Bor09q, Bor10t, BL00b, BY12b, BY13b].
Relations [BB09d, Bor90b, Bor02a, BS15b, BWY10, BMWY11, Bor81b,
Bor81d, Bor87a, BBCM07b]. relationships [BL91b, BV93, BV94a]. relative
[BB13e, BL92c, BG03a]. Relaxed [RS02]. reliable [BB14k]. Remark
[Os95]. remarkable [BB90b, BB01c]. Remarks [BG16d, BG16e, BEO77, Bor81a, BG15c].
Remote [BLM +07, BM07c, Bor90w, Bor90x, BJ12]. renorming [BF93c, BV95b].
replace [BB16o]. Report [BBC+14a, JWDS+14, BBL+13]. reported
[BB14k]. reporting [BB12f]. reports [Bor03g]. representation [BMS99a].
representations [BC00]. Representative [EB08]. Reproducibility
[BBL+13, BBS16b, BBRR16, JWDS+14, JWDS+14]. Reproducible
[BB13a, BBL+13, SBB13, Bor13-29, Bor15m]. Res [Za86]. Research
[BB13i, Bor90o, Bor12n, Cam16, SBB13, Bor95u, Bor95v, Bor97w, Bor07q,
Bor13a, Bor13c, Bor14a, Bor16g, RZ15]. researchers [BBW97]. Researching
[Bor11g, Bor11-36]. Resolution [BB09]. Resources [Bor98j].
Respect [Bor77c, Bor74]. Response [BaO12]. restoration [WM07]. Result
[Mil99, FK00, Mil90]. Results [ABT13b, ABT14a, BL93c, Bor96f, Bor96g,
Bor96h, Bor97-28, Bor97-29, Bor07-31, BB14p, ABT13c, ABT14c,
BB13f, BB13t, BLN95, BB96b, BB97d, BW97b, BK01, Bor07-27, Bor12j,
Bor12k, BY12d, BY14b, Hon85]. retires [Jac09]. retraction [Bor15c]. Retro
[BM07a]. Retro-enhancement [BM07a]. Retrospective [Bor08s]. Reuben
[BB11b]. Review
[Abb00, Ask88, Bai91, Ban10, Ber88, Bor90b, Bor92c, BB93g, BC96, Bor06o,
BS14a, Cas99, Coh15, HF05, Hoa05, How14, Lor90, Lor09, Od11, Rob06,
Sha05, Wim88, BB91d, Bor09b, Bor11-37, BO11b, BS14b, Tod03]. Reviews
[Zei05]. Revisited [BLM97, Bor08s, BCM09, BY12f, KFS16]. Revivals
[Bor96j]. Revolution [R+05]. Richard [BB12q]. Riemann
[BB06b, BBC98, BC00, BB05c, Bor07g, BBS15b]. risk
[BB11c, BB13e, Cam16]. Robert [BB91d]. Rocha [Ban10]. Rock
[Bor14u, Bor14v]. Rockafellar [Ano15, BB+07]. Rodrigues [Ban10].
Rogoff [BB13m]. Roland [Sha05, Zei05]. Role [Bor021, Bor02m, Bor05a].
root [BB13g], Roots [BB12s, BB16f, BR84, BS14a, BS14b]. Rossi [BB16i].
Rotund [BGV02]. rotundity [BL94b]. routes [Ade11]. Rule
[BY06, BM98a]. rules [BM97e].

S [Tod03, Ano15]. S. [Bor91n, Bor91o, Bor93m, Bor81a]. saddle [HD07].
Salamin [Borxx]. salt [BF06a]. same [BB99b, BW97a]. sample
[BBLZ14, KJR16]. Sampler [BG16a, BG15a]. San [BC96]. Sandwich
[Bor80b, BT92, Bor98o, Bor81d]. sandwiched [BF01]. Sank
[Bor11-35, BBS12]. Santalo [BBFG01]. Satire [Bor07c]. Scale
[JWDS+14, DF05, Ray97, WM07, XH08]. scales [PHBH13]. scaling
[WsdSY15]. sceptics [BB12d]. Schaible [Bor90b]. Scheme [BT13a, BT14c].
Schemes [BB08d, Bor06j, Bor06k]. scholars [Bor03g]. School
[BB12m, BW97]. Science [BB13p, BB13r, BB15g, BBRR16, Bor95u,
Bor95v, RZ15, Sel16, SBB13, BB12f, BB12j, BB12x, BB13f, BB13l, BB13o,
Tangency [Bor99x]. Tangent [BO76, Bor78c, Bor78a, AL10, BB84f]. Tangential [BS85]. Tanh [BY06]. Taylor [Nim15]. teacher [Bor03g]. teachers [BWB97]. Teaching [Bor11g, Bor11-36]. Technical [Bor16u]. Techniques [BZ05, Bor94o, BZ99a, GS02]. Technology [Bor98e, Bor99e, Bor99f, Bor99d, Bor00n, Bor07f, Sel16, BS99]. Telco [Bor10-32]. telelearning [Bor00w]. Telstra [Bor10-32]. Ten [BBKW06, Bor05b, Bor09-29, Bor09-27, Bor09-30, Bor09-28, Bor09z]. tentative [BB12x]. ternary [Ade10]. Terry [Ano15]. Tertiary [Bor11g, Bor11-36]. test [BB12g, BBdPZ16, BB12l]. Testing [BBLZ13]. Texas [BB13l]. textbook [BB13l]. Texts [Ber88]. th [BB84d, Cra12]. Their [BCLM16, Bor88m, Bor88n, Bor89d, Bor95p, Bor95q, Bor14d, RZ15]. Theorem [BBWY11a, Bor80b, TB80, Art07, BBWY12a, BO11a, Bor79f, Bor80e, Bor81e, Bor81d, BZ86, Bor88g, Bor88h, Bor88i, Bor90q, Bor90m, Bor90n, WB98, BD03, Bor14y, Bor16-28, Dev9x, Koh01, MW12, OBB+96, Rei02, Bor79b, Bor13g]. théorème [Dev9x]. Theorems [Bor99-28, Bor00u, Bor12-30, Bor12-31, Bor14g, Bor14h, Bor14i, Bor14j, Bor14k, Bor14l, Bor14m, Bor15h, Bor16-29, BB99a, Bor77b, Bor79a, Bor81c, Bor85c, Bor87m, BT92, BG95, Bor98o, BY13a, BY14c]. Theoretical [Ba02]. theories [BBG95b]. Theory [BB15e, Bor88, BB78d, BD02a, BM07b, Bor90a, Bor95p, Bor95q, Bor95v, Bor97u, Bor97v, Bor98a, AL10, BB84f]. Three [Bor93p, Bor97u, Bor97v, Bor98q, Bor03-34, Bor07-31, BS13, BB93d]. Three-Step [BSW13]. Thresholding [WSL16, XC11]. Time [WG16, BB16d, PHBH13]. time-scales [PHBH13]. times [Bor05b]. Timothy [Bor09b]. Tipsy [BR13a]. TMA [BZ02b]. Together [JWDS+14]. tomographic [MTCB99]. tomography [MTCB99]. Tony [Bor15d]. tool [BWB97]. Tools [Bor00v, Bor05-42, Bor05-43, Bor05-44, Bor06d, Bor11g, Bor11-36, MTB16, BB15b, BB15i, BBS+15a, BC99, BMPR02, Bor05-45]. topics [BS84b]. Topological [BG16d, BG15c]. topology [Pea07]. Tornheim [BBC14b, BB15a, BB16a, BB16b, BB16c, Bor12r, BBB15, Bor12e, Bor12f]. tottering [BR13a]. Trademarked [BB14d]. trademarking [BB14b]. train [Bor15c]. transform [War01]. transitivity [Hon85]. Treasury [Fer91]. treated [Bor84a]. trenches [BS97b, Bor97n, Bor06-36]. Tribute [BB13c]. triggers [BB12k]. Trigonometric [BB94b, LPB01]. trilogarithm [Ade10]. trinomial [War03]. triple [BG96]. troubling [BB14b]. trustworthiness [Fab89]. Tsallis [ABBS12]. tuned [BB14n]. Turing [BB12g, BB12l]. turn
Turns [BB15f, BB15p]. Tutorial [BM97c, Bor92k]. twenty [BBxxc]. twenty-two [BBxxc]. Two [BB88a, Bor79f, BN84, BB05g, Bor10-33, Bor10-32, BB06b, BB93a, BB94a, BS97b, Bor97n, BBxxc, BB05d, Bor06-32, BB06c, Bor07x, Cam16]. two-dimensional [AAW06]. Two-Point [BB88a]. Type [Ade14a, Ade14b, Bor01o, AL10, Ade11, Ade12, Ade13, BB88a, BB99b, BBWY11c, BMWY11, BBWY12c, BB88c, Bor91g, Bor92e, BB93d, Bor93e, BH94, BV01, BB04, Bor05f, BB08, BL08, BEY11, BY12a, BY12f, BY13a, BY14a, BY14c, HLZ14, HL15a, NIm15, Wei15, ZS12, Zha13, ZZ14]. typical [BW01].

U.S. [BB12z, BB12-28]. UK [BF06b]. ultraproducts [BS15a]. uncertain [BB12c]. unconstrained [AP16, DHSHZ06, NWY10, Ray97, WdSY15, XSW12]. uncovers [Cam16]. Underdetermined [BL94a, BGL93]. Undergraduate [Bor99, Bor00s, BS00]. Understand [BB15i]. Understanding [WG16]. Unholy [BB13r]. unified [Bor77a]. Uniform [BH94, BC09, Bor10-31, Bor11-32, BY96c, BS9W11, BSV12, BSV15, BSV16]. Uniformly [BGHV09, BV12]. Union [Bor01n, Bor01m, Bor02n]. units [BJCW13]. Universe [Bor11-30, BB14a]. University [BB93g, BBJC97, Bor06c, Bor09b, BB11b, BS15a, IEE08, KG04, SBW14, BWW97]. Unknown [Bor02j, Bor02k]. Unsolved [BB87c]. unsymmetric [DLL05]. untitled [Bor08v, Bor10-34, Bor12-29, Bor15s]. Update [BB15d, SD15]. upon [BB12z, BB12-28, BB14j]. US$29.95 [BO11b]. uscos [BFK91, BK04]. Use [Bor12-30, Bor12-31, Bor00w]. useful [Bor85b]. User [Bor06c]. uses [BWW97]. Using [Bai88, BHP14, BFG87, Bor91g, Bor92e, BZ92, Bor94i, BLN95, Bor95n, Bor95o, BLLN95, BLN96, BRS11, PBB14].

V [BSW82, Odll11]. Value [Bor99-28, Bor00u, BW98, Bor98p, Bor99z, Bor99-27]. valued [BBP03, BZ88, Zho12, Bor92c]. Values [BZ87, BB96b, BBBL99, BBK00, BK05, Bor10-27, BZ11, BS11d, BS11e, BBBL98a, BBBL98b, BBK01, BBBL01, BB05c, BC10]. Vanderwerff [How14]. variable [BBM02, KJR16]. Variant [YS00, LS00]. variants [Bor79f]. Variational [Aho15, BZ97, BMS99b, Bor99v, Bor00v, Bor03-32, Bor04-31, BZ05, Bor06c, Bor06c, Bor06t, Bor06t, BZ06, Bor07n, Bor08i, Bor08j, Bor09-29, Bor09-27, Bor09-30, Bor09-29, Bor09z, Bor13-33, Bor13-34, Bor13-32, BZ13, Bor16-27, Geo05, YS00, Bor86g, BP87, Bor87b, Bor87h, Bor87i, Bor90m, Bor90n, Bor97o, Bor98l, Bor98m, BZT99, Bor99u, BCFR04, Bor09l, Bor10r, Bor13-30, BZ16, Fab89, KPS16, LS00, QR07]. Variations [Bor05c, BB05d, Bor10b, Bor10-33, BB06c]. various [BB97, Bor92h, Bor92i, Bor93f, Bor93g]. vector [BBP03, BY84, BN84, BZ91, BZ93, JN03]. vector-valued [BBP03]. Vectors [BSxx, BL92a]. Vera [BO11b]. Verifiable [BZ88]. version [BB97, Koh01]. versus [BB12p]. vertex [KMY00]. very [BB83, Bor14y, Bor16-28]. via [Bor87k, BBT92, BG97b, BV97, BCM03, Bor06-30, BBC08a, EB08, TB80].
REFERENCES

[B12-29, B13n]. York [Ber88, BB91d, BB93g, Tod03]. Young [Bor98g].

you're [BB13c].

Zang [Bor90b]. Zeidler [Bor06o]. zero [BBY12, BBY14]. ZETA [Bor97p, BB96b, BBC98, BBK00, Bor05w, Bor07g, Bor08k, Bor09m, Bor10-27, BZ11, BD16, BB15c, BB16, BB18a, BBBL98b, BB98b, BB98c, BBC00, BBK01, BB05c, Bor06h, BC10, BDT16]. Zeta-Function [Bor08k]. Zhai [Coh15].

References

Alladi:2012:PRA


Alaca:2006:TDT


AragonArtacho:2012:GCN


AragonArtacho:2013:GCN


Adiga:2015:RGT

Abbott:2000:BRP

AragonArtacho:2013:WRN

Amdeberhan:2012:FEC

Asperti:2003:MKM

AragonArtacho:2013:ACA
REFERENCES


Adegoke:2014:GRF


Adegoke:2014:NBB


Almkvist:1999:BBA


Asic:1986:PSS


Adler:1986:PSS


Adegoke:2010:HDI


Asic:1983:PSE

Miroslav D. Asic, Phil Novinger, Daniel Oberlin, Irving Adler, Clark Kimberling, J. D. Shallit, and P. Erdős. Problems and so-
REFERENCES

Anonymous:2015:IJB


Arzani:2016:NNF


Adly:2013:NMS


Artacho:2007:NSC


Askey:1988:BRP


Adamchik:1997:SF

Bailey, Borwein, and Plouffe, [BBP97], done in 1995, but only just published, that discovered an amazing formula for \( \pi \) as is a power series in \( 16^{-k} \), enabling any base-16 digit of \( \pi \) to be computed without knowledge of any prior digits. In this paper, Mathematica is used to find several simpler formulas having powers of \( 4^{-k} \). They also note that it has been proven that their methods cannot be used to exhibit similar formulas in powers of \( 10^{-k} \).


REFERENCES


REFERENCES


Borwein:1990:SSH


Borwein:1990:DRN


Borowski:1991:HDM


Borwein:1991:FPI


Borwein:1991:CCJ


Borwein:1991:SGB

REFERENCES


REFERENCES


Borwein:1993:GFI


Borwein:1993:ICM


Borwein:1993:MMB


Bauschke:1994:DAP


Borwein:1994:STE

REFERENCES

50


REFERENCES


[Bbxxb] J. M. Borwein and P. B. Borwein. On the mean iteration \((a, b) \leftarrow ((a + 3b)/4, (\sqrt{ab} + b)/2)\). Report, Department of Mathematics,
REFERENCES


[BoundingBox] Jonathan M. Borwein and Peter B. Borwein. Challenges in mathematical computing. Computing in Science and En-
REFERENCES

Borwein:2001:RP

Borowski:2002:MCD

Borwein:2004:AGMa

Borwein:2004:MEP

Bailey:2005:FPC

Bailey:2005:EME

[Bborwein:2005:SSA]

[Bborwein:2005:TTG]

[Bborwein:2005:ADL]
Jonathan M. Borwein and John Ball. Access to the digitized literature. MSRI Workshop on Digitizing Mathematics, April 15-17, Berkeley, CA, USA., April 15, 2005.

[Bborwein:2005:EDA]

[Bborwein:2005:TFI]

[Bbailey:2006:EBE]
REFERENCES


REFERENCES


REFERENCES


BAILEY:2009:SMPb


BORWEIN:2009:HPH


BAILEY:2010:ECO


BAILEY:2010:SMP


BORWEIN:2010:ECM


BACAK:2011:DCL


BAILEY:2011:HPN

REFERENCES

Bailey:2011:DDW

Bailey:2011:HFE

Bailey:2011:MNC

Bailey:2011:WTD

Bailey:2011:WED

Bailey:2011:EEC
REFERENCES


[Borwein:2011:PSE] D. Borwein and Jonathan M. Borwein. Proof of some experimentally conjectured formulas for \( \pi \). Preprint, Department of Mathematics, University of Western Ontario and Centre for Computer-assisted Research Mathematics and its Applications (CARMA), School of Mathematical and Physical Sciences, University of Newcastle, London, ON, Canada and Callaghan, NSW 2308, Australia, December 4, 2011.


REFERENCES


Condensed and revised version appears in [BB12i].


David Bailey and Jonathan Borwein. Person or computer: could you pass the Turing Test? The Conversation, ??


REFERENCES


REFERENCES


REFERENCES


Bailey:2013:PDU


Bailey:2013:PMT


Bailey:2013:RRE


Bailey:2013:SFS


Bailey:2013:SDO


Bailey:2013:SMD


Bailey:2013:SSF

[BB13q] David H. Bailey and Jonathan M. Borwein. Stupid science funding decisions? Australia’s not the only dunce. The Conversation,
REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES

Bailey:2015:EAM

Bailey:2015:ECO

Bailey:2015:HPA

Bailey:2015:HMP

Bailey:2015:HWD

Bailey:2015:LFC


REFERENCES


[BB16g] David H. Bailey and Jonathan M. Borwein. Are humans or computers better at mathematics? Blog posting, November 27, 2016. This article was co-authored with Jonathan M. Borwein before his death on 2 August 2016. A condensed version of this article appeared in [BB16o].


[BB16i] David H. Bailey and Jonathan M. Borwein. Interview with Andrea Rossi, LENR energy pioneer. Huffington Post, ??(??):
REFERENCES

Bailey:2016:PD


Bailey:2016:PNG


Bailey:2016:SEF


Bailey:2016:SPP


See research papers [Via16, CKM+16].

Bailey:2016:WMM


Bailey:2016:WCR


REFERENCES


[BBB00b] J. M. Borwein, P. B. Borwein, and D. H. Bailey. Ramanujan, modular equations, and approximations to pi or how to compute one
REFERENCES


REFERENCES


Bailey:2015:ELG


Borwein:2016:RME


Bailey:2007:HFI


Borwein:1996:GCP


Bailey:2008:EIE


REFERENCES


REFERENCES


REFERENCES


REFERENCES


[BBCM07b] D. Borwein, J. Borwein, R. Crandall, and R. Mayer. On the dynamics of certain recurrence relations. The Ramanujan Jour-
Bailey:2004:BEA


Bailey:2013:EFS


Bailey:2013:LSA


Borwein:1997:PEN

REFERENCES


Borwein:2000:PEN


Borwein:2004:PEN


Borwein:2016:PEN


Bailey:2016:PBT


Bacak:2010:ICL

REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


[BBMW11] David H. Bailey, Jonathan M. Borwein, Andrew Mattingly, and Glenn Wightwick. The computation of previously inaccessible digits of π² and Catalan’s constant. Report, Lawrence Berkeley National Laboratory; Centre for Computer Assisted Research Mathematics and its Applications (CARMA), University of Newcastle; IBM Australia, Berkeley, CA, USA; Callaghan, NSW 2308, Australia; St. Leonards, NSW 2065, Australia; Pyrmont,
REFERENCES


[Bailey:2013:CPI]


[Benoist:2003:CQV]


[Borwein:1989:ACL]

REFERENCES


REFERENCES


Borwein:2015:MCR


REFERENCES

Borwein:1987:ESE

Borwein:1988:ESE

Borwein:1985:CLS

Borwein:1992:SEC

Bauschke:2000:BLR

Borwein:1996:ASC
REFERENCES


REFERENCES


REFERENCES

[BC15b] Jonathan M. Borwein and Scott T. Chapman. I prefer pi: Ad-


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES

114


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


Borwein:1993:CDS


Borwein:1993:PFP


Borwein:1993:SCR


Borwein:1994:UMP


Borwein:1994:SRO


Borwein:1999:IAM


Borwein:2000:CAN

[BL00a] Jonathan M. Borwein and Adrian S. Lewis. *Convex Analysis and Nonlinear Optimization*. CMS Books in Mathematics/Ouvrages
REFERENCES


REFERENCES


<table>
<thead>
<tr>
<th>Reference</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Borwein:2015:CRA</td>
<td>J. M. Borwein, G. Li, and M. K. Tam. Convergence rate analysis for averaged fixed point iterations in the presence of hölder reg-</td>
</tr>
</tbody>
</table>

Borwein:2016:CRA


Borwein:2013:ACR


Borwein:2014:ACR


Borwein:2001:CSF


Borwein:1997:LMF

REFERENCES


REFERENCES

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Borwein:2006:DLP


Borwein:2007:REM


Borwein:2007:NAA


Borwein:2007:CNS


Borwein:2007:CSR


Borwein:2009:SCC


Borwein:2010:SCC

Jonathan M. Borwein and Warren B. Moors. Stability of closedness of convex cones under linear mappings II.
REFERENCES


REFERENCES


REFERENCES


REFERENCES


[Bor78a] J. Borwein. Weak tangent cones and optimization in a Banach space. *SIAM Journal on Control and Optimization*, 16(3):512–
REFERENCES


[Bor79e] J. M. Borwein. On convex decompositions. Accepted for publication in Nanta Mathematica, but the journal ceased publi-


REFERENCES


Borwein:1980:SDT


Borwein:1981:SRP


Borwein:1981:CRO


Borwein:1981:DTS


Borwein:1981:LMT


Borwein:1981:LLC

REFERENCES


REFERENCES


REFERENCES


[Bor87k] Jonathan M. Borwein. Spectral analysis via convex programming. Charnes’ 70th birthday conference, IC2, University of Texas at Austin, Austin, TX, USA., October 15, 1987.


REFERENCES


REFERENCES

[Bor89a] Jonathan M. Borwein. Quadratic mean iterations. Carleton University/Université d’Ottawa joint Colloquium, Carleton University, Ottawa, ON, Canada., March 4, 1989.


binatorics and Optimization, Waterloo, Waterloo, ON, Canada., November 21, 1990.


[Bor90g] Jonathan M. Borwein. Differentiability properties of convex, Lipschitz and semicontinuous functions. Ontario Math Meetings #88, Brock University, St. Catharines, ON, Canada., April 21, 1990.


REFERENCES

[Bor90m] Jonathan M. Borwein. Ekeland’s theorem and the smooth variational principle. Conference on Topological Methods, Brock University, St. Catharines, ON, Canada, April 20, 1990.


[Bor90s] Jonathan M. Borwein. The history of the computation of pi. APICS Lecture, Memorial University, St John’s, NL, Canada, March 31, 1990.

[Bor90t] Jonathan M. Borwein. The history of the computation of pi. APICS Lecture, Université de Moncton, Moncton, NB, Canada, April 5, 1990.

REFERENCES


[Bor90w] Jonathan M. Borwein. The history of the computation of pi. APICS Lecture, Memorial University, St John's, NL, Canada., March 31, 1990.

[Bor90x] Jonathan M. Borwein. The history of the computation of pi. APICS Lecture, Université de Moncton, Moncton, NB, Canada., April 5, 1990.


REFERENCES


Borwein:1990:SDPb


Borwein:1990:SDPc


Borwein:1990:SDPd


Borwein:1990:SDPe


Borwein:1991:MCS


Borwein:1991:CPCa


Borwein:1991:CPCb


Borwein:1991:DAOa


[Bor91h] Jonathan M. Borwein. Euler, Mahler, Ramanujan and a little pi: Discovering analytic objects by computer. One of two invited talks at the Festkolloquium for Dr. A. Peyerimhoff’s 65th birthday, Ulm, Germany., April 25, 1991.


REFERENCES


REFERENCES


[Bor92g] Jonathan M. Borwein. Euler, Mahler, Ramanujan: Discovering analytic objects by computer. Seminar, Department of Mathematics, University of Michigan, Ann Arbor, MI, USA., February 20, 1992.


[Bor92i] Jonathan M. Borwein. First and second order differentiability of convex functions on various Banach spaces. Variational Analysis
REFERENCES

and Related Topics, First World Congress of Nonlinear Analysts, Tampa, FL, USA., August 20, 1992.


[Bor93a] J. M. Borwein. Asplund spaces are sequentially reflexive. Accepted for publication in the Canadian Journal of Mathematics, but withdrawn and merged with another paper. Jon Borwein recorded that as publication number 121, but because the article
numbers changed with each update of his CV, that number has long been incorrect., 1993.


REFERENCES


[Bor94e] Jonathan M. Borwein. Experimental mathematics, promises and pitfalls. Colloquium, Department of Mathematics, Indiana University, Bloomington, IN, USA., November 18, 1994.


REFERENCES

[Bor94i] Jonathan M. Borwein. Maximization entropy methods (using
derivative information) and infinite dimensional convex program-
ming. XV International Mathematical Programming Symposium,
Ann Arbor, MI, USA., August 18, 1994.

[Bor94j] Jonathan M. Borwein. Nonsmooth analysis in smooth Banach
spaces. Colloquium, Department of Mathematics, University of

[Bor94k] Jonathan M. Borwein. Nonsmooth analysis in smooth Banach
spaces. Analysis Seminar, University of California, Santa Barbara,

spaces. Colloquium, University of Victoria, Victoria, BC,

[Bor94m] Jonathan M. Borwein. Nonsmooth analysis in smooth Banach
spaces. Colloquium, University of Limoges, Limoges, France., July

[Bor94n] Jonathan M. Borwein. Viscosity derivatives: theory and applica-
tions. XV International Mathematical Programming Symposium,
Ann Arbor, MI, USA., August 18, 1994.

[Bor94o] Jonathan M. Borwein. The vision: how do we integrate . . . mature
computation techniques. Maple Summer Workshop and Sympo-

[Bor94p] Jonathan M. Borwein. Ways of thinking about duality. Student
Session, XV International Mathematical Programming Sympo-
sium, Ann Arbor, MI, USA., August 16, 1994.

[Bor94q] Jonathan M. Borwein. What is experimental mathematics? Col-
loquium, University of California, Santa Barbara, Santa Barbara,
REFERENCES


REFERENCES


[Bor95m] Jonathan M. Borwein. Experimental mathematics, promises and pitfalls. Colloquium, Department of Mathematics and Statistics, University of Saskatchewan, Saskatoon, SK, Canada., November 9, 1995.

REFERENCES

[Bor95o] Jonathan M. Borwein. Maximum entropy methods (using derivative information) and infinite dimensional convex programming. Pure Mathematics Seminar, University of Western Australia, Crawley, WA 6009, Australia., August 1, 1995.


Jonathan M. Borwein. Experimental mathematics, promises and pitfalls. Colloquium & MAA Visiting Lecture, Department of Mathematics, Western Washington University, Bellingham, WA 98225, USA., February 6, 1996.


REFERENCES


REFERENCES


[Bor97k] Jonathan M. Borwein. Maximum entropy methods an introduction. VHHSC Medical Imaging Group Open House, Vancouver
REFERENCES

Hospital and Health Science Centre, Vancouver, BC, Canada., March 4, 1997.


[Bor97s] Jonathan M. Borwein. Talking about pi. Colloquium, School of Mathematical Sciences, Lakehead University, Thunder Bay, ON P7B 5E1, Canada., September 22, 1997.


Jonathan M. Borwein. Three adventures: Symbolically discovered identities for $\zeta(4n + 3)$ and like matters. Joint CS/C&O Colloquium, University of Waterloo, Waterloo, ON, Canada., October 9, 1997.


Jonathan Borwein. Talking about pi. The original URL is no longer found, but the archive URL worked on 26-Apr-2011., January 20, 1998.

Jonathan M. Borwein. Brainstorming: views of the future. Presentation, First Workshop of the IMU Committee on Electronic
REFERENCES

[165]


[Bor98k] Jonathan M. Borwein. Multifunctional and functional analytic methods in nonsmooth analysis. Four Lectures, NATO Advanced
REFERENCES

Study Institute on Analyse non linéaire, équations différentielles et contrôle, Université de Montréal, Montréal, QC, Canada, July 27–Aug 7., August 3–7, 1998.


REFERENCES


[Bor99e] Jonathan M. Borwein. The doing of mathematics in the presence of technology. Canadian Mathematics Education Study Group (CMESG), First Plenary, Brock University, St. Catharines, ON, Canada, June 4–8., June 4, 1999.


REFERENCES


[Bor99m] Jonathan M. Borwein. Generic behaviour of generalized gradients. Special Session on Nonlinear Analysis, Canadian Mathematical Society Summer Meeting, Memorial University, St John’s, NL, Canada., May 29, 1999.


REFERENCES


REFERENCES


[Bor00e] Jonathan M. Borwein. Experimental mathematics and exact computation. Colloquium, University of Western Australia, Crawley, WA 6009, Australia., April 19, 2000.


[Bor00g] Jonathan M. Borwein. Experimental mathematics and exact computation. Ernst Schrödinger Lecture, Schrödinger Institute, University of Vienna, Vienna, Austria., October 5, 2000.


REFERENCES


[Bor01c] Jonathan M. Borwein. Aesthetics for the working mathematician. Mathematics Colloquium, Macquarie University, Sydney, NSW,
REFERENCES


REFERENCES


[Bor02c] Jonathan M. Borwein. The CEIC: The next four years. West Coast Optimization Fall Meeting, University of Washington, Seattle, WA, USA., November 2, 2002.


Borwein:2002:EMCa


Borwein:2002:EMCb


Borwein:2002:EMPa


Borwein:2002:EMPb


Borwein:2002:IMU


Borwein:2002:IWC

Jonathan M. Borwein. Introduction to the work of the CEIC. Electronic Information Afternoon at the ICM, Beijing, August 20–27, 2002., August 26, 2002.

Borwein:2002:MMF

[Bor02q] Jonathan M. Borwein. The next four years. Invited Lecture at


REFERENCES


Jonathan M. Borwein. The best teacher I ever had: personal reports from highly productive scholars. In A. Michalos, editor, Royal Society of Canada Volume, page ?? Althouse Press, ???.


REFERENCES


REFERENCES


REFERENCES


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


REFERENCES


REFERENCES


[Bor05b] Jonathan M. Borwein. (2 times) ten challenge problems. Third Clifford Lecture, Tulane University, New Orleans, LA, USA., April 1, 2005.

[Bor05d] Jonathan M. Borwein. Aarms. Presentation, Department of Math and Stats, Memorial University, St John’s, NL, Canada., November 17, 2005.


[Bor05h] Jonathan M. Borwein. The future is here? Presentation to National Educational Forum, Fields Institute, Toronto, ON M5T 3J1, Canada, May 6–8., May 6, 2005.


[Bor05z] Jonathan M. Borwein. Lists and challenges in mathematics? Colloquium, Mathematics Department, Rutgers, the State University of New Jersey., November 10, 2005.


REFERENCES


REFERENCES

Department, Dalhousie University, Halifax, NS, Canada., January 26, 2005.


REFERENCES


[Bor06g] Jonathan M. Borwein. Collaborative environments. Panel Discussion HPCS 06, Memorial University, St John’s, NL, Canada., May 17, 2006.


REFERENCES


[Bor06s] Jonathan M. Borwein. Four lectures on variational principles. II: Monotone operators as convex objects. Spring School on Analysis, Paseky, Czech Republic, April 25, 2006.


REFERENCES


REFERENCES


REFERENCES


[Bor07-27] Jonathan M. Borwein. Some convexity results a Jon or a Thompson might like. 65th Birthday Colloquium lecture for Jon Thompson, (Inter-Campus Seminar Day), University of New Brunswick, Moncton, NB, Canada., June 8, 2007.


[Bor08e]


[Bor08f]


[Bor08g]

Jonathan M. Borwein. Effective computation of Bessel functions. SIAM-AMS Special Session on Special Functions, Combined Membership Meetings, San Diego, CA, USA, Jan 6–9, 2008., January 6, 2008.

[Bor08h]


[Bor08i]


[Bor08j]


[Bor08k]


[Bor08g] Jonathan M. Borwein. The past 60 years in mathematics. Colloquium, Department of Mathematics, University of Auckland, Auckland, New Zealand., December 4, 2008.


[Bor08i] Jonathan M. Borwein. Proximality and Chebyshev sets. Analysis Seminar, University of Newcastle, Newcastle, NSW, Australia.,


REFERENCES


[Bor09s] Jonathan M. Borwein. Introduction to carma. Presentation to students from Dungog High School in CARMA., August 11, 2009.

REFERENCES


[Bor09-28] Jonathan M. Borwein. Ten lectures on variational approaches to minimization problems: Monotone and nonexpansive maps: algo-
rithms and convergence. IMA 2009 Summer Program for Graduate Students on The Mathematics of Inverse Problems, University of Delaware, Newark, DE, USA., July 2, 2009.


REFERENCES


REFERENCES


REFERENCES


Borwein:2011:PDNa

[134x692]REFERENCES


[Bor11g] Jonathan M. Borwein. Actually: Teaching and researching at the tertiary level with collaboration tools. CARMA Colloquium., November 3, 2011.


REFERENCES


[Bor11s] Jonathan M. Borwein. Exploratory experimentation and computation. AMS Special Session in Logic and Analysis, Combined
References


[Bor11t] Jonathan M. Borwein. Fractal geometry. Presentation to Year 7 students form Wallsend with Michael Rose to the NSW MEGS program (Making Educational Goals Sustainable), February 16, 2011.


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


Meeting, University of Sydney, Sydney, NSW, Australia., October 1, 2013.


REFERENCES


Jonathan M. Borwein. Seeing things in mathematics by walking on real numbers. Inaugural Möbius Lecture Series, Colloquium, Department of Mathematics, Baylor University, Waco, Texas., April 24, 2014.


Jonathan M. Borwein. Adventures with the oeis: Five sequences Tony may like. Tony Guttmann: Seventy and counting, December 7–8, Newcastle, NSW, Australia., December 7, 2015.


REFERENCES


REFERENCES


REFERENCES


[BRxx] J. M. Borwein and B. Richmond. When is a matrix a square? Research report 5, Department of Mathematics, Dalhousie University and Department of Combinatorics and Optimization, University of Waterloo, Halifax, NS, Canada and Waterloo, ON, Canada, 19xx. 22 pp.


REFERENCES


[Borwein:1984:NMB]


[Borwein:1985:TA]


[Borwein:1986:PAB]


[Borwein:1987:PAB]


[Borwein:1989:HC]

REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


**Borwein:2015:CDR**


**Ben-Tal:1988:DAM**


**Borwein:1997:SAR**


**Borwein:1998:NCC**


**Borwein:1999:PSV**


**Borwein:1993:DKK**

REFERENCES


REFERENCES


REFERENCES


REFERENCES

of Mathematics, Dalhousie University, Halifax, NS, Canada, July 1979. 54 pp.


REFERENCES


[BY12b] J. M. Borwein and L. Yao. Maximality of the sum of a maximally monotone linear relation and a maximally monotone oper-


REFERENCES


**Borwein:2014:LTI**


**Borwein:2014:SRC**


**Borwein:2014:STMa**


**Borwein:2015:RPM**


**Borwein:1986:FMT**

Borwein:1987:EIE


Borwein:1988:VNS


Borwein:1991:SEC


Borwein:1992:FEG


Borwein:1993:SEV


Borwein:1994:CPP


Borwein:1996:VSV

REFERENCES


REFERENCES


Special issue of JOTA on Nondifferentiable Optimization and Nonsmooth Analysis, dedicated to Vladimir Demyanov.


REFERENCES


[Cohn:2016:SPP]


[Casazza:2015:M]


[Cohen:2015:BRM]


[Crandall:2004:BIJ]


[Crandall:2012:GTB]


[Cvijovic:2010:PBB]


Yu-Hong Dai, William W. Hager, Klaus Schittkowski, and Hongchao Zhang. The cyclic Barzilai–Borwein method for un-


AMMYAE. ISSN 0002-9890 (print), 1930-0972 (electronic). See also [ANO+83].


[Fan14] Reinhard E. Ganz. The decimal expansion of π is not statistically random. *Experimental Mathematics*, 23(2):99–104, 2014. CODEN ????. ISSN 1058-6458 (print), 1944-950X (electronic). See the reproduction of results, and reanalysis, in [BBBR16], that reveals a flaw in the statistical analysis in this paper: Ganz used only
a single blocksize in sampling digits, and that blocksize produces anomalous statistics.

Gessel:1988:PSSb


Gao:2015:BBL


Georgiev:2005:PBP


Gourevitch:2007:CBS


Galvin:1997:PSP


Grippo:2002:NGT


Gold:2008:POD


*Huang:2015:QRP*


*Han:2009:APB*


*Hoare:2005:BRM*

REFERENCES


REFERENCES


Xiangli Li. Smoothing nonmonotone Barzilai–Borwein gradient method and its application to stochastic linear complemen-


REFERENCES

Lord:1990:BRD


Lord:2009:BRE


Lindqvist:2001:PSS


Li:2000:GEV


Lupas:2002:SBF


Li:2014:PBB


Marcos:1991:CPB


John Monaghan, Luc Trouche, and Jonathan M. Borwein. *Tools and Mathematics: Instruments for Learning*, volume 110 of *Math-
REFERENCES


REFERENCES


REFERENCES


REFERENCES

(4):390, April 1987. CODEN AMMYAE. ISSN 0002-9890 (print), 1930-0972 (electronic). See also [Sch85].


REFERENCES


Takahashi:1997:IAC


Todd:2003:CAN


Tressider:2013:EDV


Viazovska:2016:SPP


Virosztek:2014:PBB


Warnaar:2001:GBC


Warnaar:2003:GBC

REFERENCES

Ward:1987:NCF


Wei:2015:SBT


Wuppuluri:2016:STL


Wimp:1988:BRP


Wang:2007:PBB


Wang:2015:BBS


Wu:2016:BBL

REFERENCES


REFERENCES


