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

#13553 [Bor81a].

(a,b) ↔ (a+3b, √a+b) [BB89b]. (G) [BB99]. 1/π [BB87b, BB88b, BB93d].
24 [CKM+16, BB16k]. $25 [BB93g]. $27.95 [BB91d]. $30.00 [Coh15].
$44.95 [BC96]. $45 [Zei05]. $49 [Zei05]. $49.00 [Ban10]. $49.95 [Ber88].
5 [Ad13, ZS12]. $59.50 [Bor06]. 6 [ZS12]. $65 [Odl11]. $69.95 [Bai91].
$99.00 [Bor09b]. [nα + γ] [BB93e]. * [BFG03]. b [BG04]. R
[DL02]. C1 [BKWO2, BFL02]. DAD [BLN94]. $0 [BL11]. $1 [XWQ14]. $1
[LS00, YS00]. k [BBB91a, BB97d]. L [BB15c, BB07]. L1 [BZ97, Hon95].
l'nty [Hon85]. lp [Bor98]. L1 [BL93b, BV97]. L1(Ω, μ) [BF93c]. Lp
[BTBT88, BBL10]. n [BB84c]. p [BLS+16]. π [AW97, ABBS12, Bai88],
BB+11a, BBC+12b, BB83, BB84b, Bor85b, BB86b, BB86c, BB89a, BG97b,
BB11j, Bor14o, Gan14, GG07, Gui08, Nim15, TK97, Wei15. \( \pi^2 \) [BBMW13]. \( q \) [LL01, PP11, War03]. \( R^n \) [BBW96]. \( \sqrt{5}\log \phi \) [Ade14b]. \( \theta(z, q) \) [HGB93]. \( \times \) [BFG03]. \( \varepsilon \) [War82c]. \( W \) [War16u, Bor16o, BL16]. Weak* [BF95b].
\[ x_n := M(x_{n-1}, x_{n-2}, \ldots, x_{n-k}) \] [Bor94a].
\[ \zeta(4n + 3) \] [HGB93].
\[ \zeta(4n + 3) \] [AG99, BB97c, Bor97u, Bor97v, BB05c].


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

1 [Bor06o]. 100-Digit [Bor05-40]. 125th [AAB12]. 14th [IEE08]. 17th [IEE08]. 1880-2 [Bor09b]. 1983 [SBW84]. 19th [Hd12].

2 [BC96]. 2000 [Tod03]. 2000j [BZ02a]. 2001 [BB12p]. 2002 [KG04]. 2012 [BBL+13]. 2013 [BAS14a]. 2014 [BBM+13]. 20th [IEE08]. 21st [BB12r, BBM+13, Bor03-27, Bor03-28, Bor03-33, Bor04-27, Bor04w, Bor04x, Bor04y, Bor04z, Bor09r, Bor10a, HF05, Hoa05, R+05, Zei05, BB04b].

38 [BZ02a, BZ02b].

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

51 [Bor81a]. 5th [BF06b].

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

7th [KG04].

8 [Zä186]. 85h [Zä186].

90d [BBB97a]. 978-0-691-1 [Bor09b]. 978-0-691-14247-0 [BO11b].


A. [BS14b]. AARMS [Bor05d, Bor05e, Bor07a]. Abel [Bor03p]. Absence [BS11b, Bor10i, Bor10j, Bor10k, Bor10l, Bor11q, Bor11r]. Absolute [BY84]. abstract [BW81c, BW81b, BW82a, BW82b]. abundant [BB12c].

Academic [BC96]. Access [Bor04e, Bor04i, BB05g, Bor07d]. accuracy [Bor05-40]. Accurate [BB14c]. ACE [Bor05-27]. ACEnet [IEE08]. Action [BBC+07b, Bor07m, Odl11, Lor09]. Activated [BBB+96b]. Active [BL99]. Actually [Bor11g, BB12g, BBWY11c, BBWY12c]. Acyclic [BW06].
adaptive [FN15, QYX14, ZH06]. add [BB11f]. Addenda [BC15b].
Addendum [BZ02a]. Addition [BG95]. Adjoint [Bor83a, BMWY11, Zäl86].
admit [BV96a, BV96b]. Adrian [Tod03]. Advanced
[ Bai91, BL87, Ber88, BSZ+83, BB85, Bor85a, BN86, Bor03b, Bor03c, Bor03a, Bor04f, Bor04h, Bor04e, Bor04d, Bor04a, Bor04b, Bor04c, Bor04i, Bor06d, Bor06h, Bor06c, IEE08, Sch85, SB87, SH87, SBW84, Bor06-28].
Advances [BBC10]. Advancing [Ken15]. Adventures
[Bor15d, Bor16a, Bor97u, Bor97v, Bor98q]. Advice
[Bor03-30]. Aesthetics [Bor01a, Bor01b, Bor01c, Bor01d, Bor11m]. affine
[BW81a]. Affleck [SZ14]. AG [Bor10-28, Bor10-29, Bor11-31]. again
[BB13k, BB14c]. age [BB12z, BB13o]. AGM
[Bor99x, Bor99y, Bor99z, Bor10c, Bor10d, Bor10e, Bor10f, Bor10g, Bor10h, Bor10i, Bor10j, Bor10k, Bor10l, Bor10m, Bor10n, Bor10o, Bor10p, Bor10q, Bor10r, Bor10s, Bor10t, Bor10u, Bor10v, Bor10w, Bor10x, Bor10y, Bor10z]. Aided
[Bor92b]. Alexandria [SV14]. Alf [BSZ13]. Algebra
[Bor12r, Bor11-28]. Algebraic
[BK05, Bor09z, BBCP04, BB84c, BB87b, BLY13]. algebras
[KMY00]. Algorithm
[Bai88, BB09d, Bor09c, BS11b, BB93a, BB94a, BB97a, BNCB99, BCW13, BLY14, JY12, Kom00, Kom02, Kom04, Pos13, QYX14, TK97, XSW12, XQ14]. Algorithms
[BB96a, Bor99x, Bor99y, Bor99z, Bor10c, Bor10d, Bor10e, Bor10f, Bor10g, Bor10h, Bor10i, Bor10j, Bor10k, Bor10l, Bor10m, Bor10n, Bor10o, Bor10p, Bor10q, Bor10r, Bor10s, Bor10t, Bor10u, Bor10v, Bor10w, Bor10x, Bor10y, Bor10z]. Alliance
[BB13r]. Also
[BB16l]. Alternating
[BB86a, Bor10c, Bor10d, HNP10, BB93a, BB94a]. Alternative
[Bor85c, BBG95b]. am
[Bor11m, Bor11n]. America
[Coh15, Bor12t, Bor12u]. American
[BC15a, BC16]. among
[BF95a]. amongst
[Bor94b]. AMS
[Jac09]. Anal.
[BZ02a]. Analogue
[PP11]. analogues
[BG93, HGB93]. Analysis
[ABMMY13, BBKL16, Bor72, BBS89, BB92b, BB96a, BSM99b, Bor99v, BL00a, Bor00v, BZ05, BM07b, Bor08i, Bor08j, Bor09y, BLY13, BL91a, BLY14, JY12, Kom00, Kom02, Kom04, Pos13, QYX14, TK97, XSW12, XQ14]. Analyses
[Bor98k, Bor98l, Bor98m, Bor98n, Bor98o, Bor98p, Bor98q, Bor98r, Bor98s, Bor98t, Bor98u, Bor98v, Bor98w, Bor98x, Bor98y, Bor98z]. Analysis
[ABMMY13, ABMMY14, Bor96a, BL00b, Bor04-31, Bor07n, Bor09-27, Bor09-30, Bor12-30, Bor16w, Bor16x, Bor16y, Bor16z, Bor16-27, Geo05, Bor16-28].
Based [BB06a, BB08d, Bor06j, Bor06k, BCJW13, FN15, JY12, LLS11].

Bases [Zhu91, Ade11, BBG95b].

Basic [BMS99b, BLY13, BLY14].

Battle [BB15c].

Bauerschmeickl [Vir14].

BBP [AL10, Ade10, Ade11, Ade12, Ade13, Ade14a, Ade14b, Bor11i, Cha03, GG07, Lup02, Nin15, Wei15, Zha13, ZZ14].

BBP-formulae [Cha03].

BBP-functions [Lup02].

BBP-Type [Ade14a, Ade14b, AL10, Ade10, Ade11, Ade12, Ade13, Nin15, Wei15, Zha13, ZZ14].

Be [BB14d, Bor15n, Bor16c].

beautiful [BB14n, Bor15n, Bor16b, Bor16c].

Becomes [BB13r].

Behavior [ABT15, ABT16].

Behaviour [Bor99m, Bor99n, Bor00l, BDT16, BG16b].

being [BB93g].

beispielorientierte [BD11].

Believing [BB12v].

Bello [BS14b, BS14a].
Boundedness

Bounds

Bounded

Box

box-constrained

Bradley

braain

Brainstorming

Brave

Bregman

Brain

Brezis

brief

Brailey

Brdge

Budget

build

Bumps

Burse

C2C

calculation

Categorical

Cauchy

certain

Challenge

Challenge

Children

CHIP

Chiropractic

Chasing

Chebyshev

Checkboard

check

children

ChIP

Chiropractic

Choi

choice

Chromology

ci

Clarendon

Class
BB09c, BB16c, Bor93p, BB98b, BS00, BBG03, BB10b, BLLN95]. Compute [BBB97c, BB00b, BBB04b, BB16b, BBB97a, BBB89]. 

**Computer** [BB05a, BB08c, BBKL16, Bor92j, BB92b, Bor93c, Bor93d, Bor06h, Bor07g, Bor08d, Bor08e, Bor08f, Bor09d, Bor11-28, Bor14h, Bor14i, Bor14j, Bor14k, Bor14m, Bor15h, BB12l, BB12g, BB13o, Bor91d, Bor91e, Bor91f, Bor91i, Bor91j, Bor91h, Bor91k, Bor92f, Bor92g, Bor08c, BD09].

**Computer-assisted** [BB05a, BB08c, Bor06h, Bor07g, Bor08d, Bor08e, Bor08f]. [MTCB98].

**Computers** [BB12o, BB16m].

**Computer** [BB05a, BB08c, Bor06h, Bor07g, Bor08d, Bor08e].

**Computer-assisted** [BB12o, BB16m].

**Computing** [BBLZ13, BBS16b, Bor98h, BB01d, Bor01e, Bor02s, Bor02t, Bor03i, Bor04g, Bor04h, Bor05-27, Cal16, IEE08, JWDS +14, Bor92l, Bor92m, Bor92n, Bor98q, Bor03y, Bor05-40, Bor06-28, BS11c, BS12a].

**concave** [Bor86b].

**Concavity** [Bor90b].

**concept** [BRS11].

**Conditions** [BBY12, BBY14, Bor82b, BZ88, BL91d, BTZ98].

**Cone** [BW81a, BW05a, BW81d, BS89, BBL04, BG09].

**cone-convex** [BW81d].

**Cone-monotone** [BW81d].

**Cone-monotonic** [BW81d].

**Cones** [Bor77c, Bor78a, Bor86d, Bor87c, Bor87b, EB08, BO76, Bor78c, Bor80a, BM09, BM10, Zhu91].

**Conference** [Bea13, HY14, ABD03, BF06b, KG04, RZ15].

**conformation** [BT14b, BT14a].

**confusion** [BR14c, BR14a].

**Congress** [Bor05h].

**Conical** [BB99a, BBL99].

**Conjecture** [Osb05, Bor94g, BBBG96, BW97b, BMS13, Bor90a, Bor90b, Bor90c, Bor90d, Bor91d, Bor91e, Bor91f, Bor91h, Bor91k, Bor91l, Bor92f, Bor92g, Bor08c, BD09].

**conjectured** [ABBS12, BB11j].

**Conjugate** [BPT84, BB99b, BBW13, BV09, DK16, WSdSY15, XSW12].

**Conjugates** [BH06].

**conjugation** [BO79].

**consequence** [Bor81e].

**Consequences** [Bor87c, Bor86d, Bor87b].

**Conpiacy** [BB16f].

**Constant** [BBC09, Bor95r, Bor95s, Bor10z, Bor11-29, BBC97a, BBMW13, BTT85, BVW03, BBGW11, Cra12].

**constants** [Ade10, Ade12, BB97, BB12x, BBGPxx, GG07, Mer15].

**constraint** [BTZ98, DF05, XH08, XC11, ZH06].

**constructed** [BB12w].

**Constructible** [BV04].

**Construction** [BBWY11b, BBWY12b, GG07, BGW98].

**Constructions** [BV12, How14, BV10b].

**Constructive** [BK04].

**contained** [Art07].

**containing** [BV97].

**continued** [BB15a].

**Continued** [Bor03d, Bor03e, Bor03f, Bor04-30, Bor04-29, Bor04-28, BCP05, Bor16i, BCLM16, BHL16b, BHL16a, BBGPxx, BL05, Bor05i, Bor06i, BL08, Bor10-28, Bor10-29, Bor11-31, BVSZ14].

**continues** [Bor15c].

**Continuity** [Bor82a, Bor87a, BV02, BW05a, BY12c, BY13c].

**Continuous** [BB05a, BB99b, BBW07, BTZ98, BV01].

**continuously** [BFKL01].

**contraction** [Bor83b].

**Control** [BB15g, BZ94, BZ97].

**conundrums** [Tre13].

**converge** [Bor98d].

**Converge** [BB93b, BB85, BL91a, BL93a, BL93c, BV95a, BBP98, BY06, BST13, BLT15, BLT16, Mar91, AB12, AB13, BB93a, BB90a, Bor88j, BF89c, BL91c, BV93, BV94a, BV94b, BH94, BV95b, BV96c, Bor09-28, BLY13, BLY14, BST15, DL02, HL15b].

**Convergent** [Bai88, AL10, BB83, Bor94a, TK97].

**converges** [Bor94a].

**converging** [BB86c].

**converse** [BW98].

**Convex**
[Bor06t, BWY10, Bor79c, Bor07b]. decreasing [BL93a]. Dedekind
[BG97b, BG97a, BB98a, BB98c]. Dedekind-zeta [BB98a, BB98c]. Default
[BBL+13, SBB13, BBS13a, BB13o, Bor13-29, Bor15m]. degree
[Ade11, Ade13]. déjà [Tre13]. delta [BB95b]. delta [BG15b, BG16c].
demand [JY12]. Denial [BB13r]. dense
[BB99b, BBWY11c, BMWY11, BBWY12c, BY12f]. Densities
[BSWZ11, BSWZ12, BSV15, BSV16, Bor14s]. Density [Hon85, BS16b].
Department [Bor03j]. derivative
[Bor94i, BLN95, Bor95o, BLLN95, BLN96]. Derivatives
[BFV93a, BD16, AL10, BB16a, BFV93b, Bor94n, BF95b, Bor95w, BMW97].
Deriving [BB14o]. Descent [Bor90c, SD15, RS02]. design [BBL16a].
Desperately [BB15f]. Determination
[BBB06a, BB05o, BM00, BT14b, BT14a]. Determinations [BB98a, BB98c].
determined [BB97c, BB05c]. developments [BB01a]. devices [Bor00w].
dian [BB95c]. Dictionary
[Bai91, BB99c, BS14a, Bor90, BB91a, BB02, BB90c, BBW97, BS14b]. did
[BB12h]. didn’t [BB937]. Diego [BC96]. dies [BB12q, Bai16]. Diewart
[Bor90b]. Difference [Bor11p, BB11a]. different [PHBH13, Zha13].
Differentiability [BBS10, Bor90g, Bor90h, Bor90i, Bor90j, Bor90l, Bor92a, Bor99, Bor02d, Bor02e, BBL04, BV09, Bor76a, Bor82a, Bor86e, Bor96l, BFG87, BP87, Bor90a, Bor90-40, Bor90-41, Bor90-42, Bor90-43, Bor91p, Bor91q, Bor91r, Bor91s, Bor92h, Bor92b, BF93a, Bor93f, Bor93g, BF93b, BN94, BW05a, BMV06]. differentiable
[Bor95d, Bor95e, BW97a, BFKL01]. Differential [BM97c, MR96]. Digit
[Bor05-40, Ade10, BB12u, BBG04, BBL16]. digit-extraction [Bor11].
Digital [Bor02f, BS03, Bor03-35, Bor05h, BRR08, Ban10, BM06, Bor06-36].
Digitally
[BBB+96b, Bor08g, Bor09a, Bor09e, Bor09f, Bor09g, Bor12a, Bor09u].
Digitally-assisted
[Bor08g, Bor09a, Bor09e, Bor09f, Bor09g, Bor12a, Bor09u]. Digitzed
[BB05a]. Digitizing [Bor02g]. Digits
[Bai88, BB13a, BB14e, BBR16, BBB97c, BBB00b, BBB04b, Bor09y, BB16, BBB97a, BBMW13, BB13b, BB14j, BB89]. Dilemmas [GS08].
dilogarithmic [Cvi10]. Dimension [Bor99b, CKM+16, Via16].
Dimensional [BCC10, AAW06, BW81c, BW86, Bor88f, Bor91g, Bor92e, Bor92o, Bor92k, Bor94b, Bor94i, BF95a, Bor95n, Bor95o, Bor97f, Bor97l].
Dimensions [BB86a, WB87, BB16k, Bej94, BL91d, BL002, Bor14s, BSV15, Bor15o, Bor15p, Bor15q, BS16b, BS16a]. Diophantine
[Kom00, Kom02, Kom04]. Dirac [BH94]. Direct [Bor03c, LLC+95, FN15].
Directionally [BS84a]. Directory [BMP05]. Dirichlet
[BB15c, Bor01g, Bor02h, Bor02i, BC03, BC04b, Bor07e]. disciplinary
[Bor16h]. Discourse [BS03]. Discover [BB09d]. discovered
[Bor95c, Bor97p, Bor97u, Bor97v]. Discovering [Bor91d, Bor91e, Bor91f, Bor91i, Bor91h, Bor91k, Bor91l, Bor92f, Bor92g]. Discovery
[BB11i, BBL16, Bor021, Bor02m, Bor03k, Bor03m, Bor04p, Bor05k, Bor05i, Bor05m, Bor05n, Bor05o, Bor05a, Bor06l, Bor07g, Bor07l, Bor07k, Bor08g,
Bor12a, R+05, Ade12, BB08c, BBG03, Bor06h, Bor08d, Bor08e, Bor08f, Bor09a, Bor09e, Bor09f, Bor09g, Bor09u, Zei05]. distance [BB01b, BF94].

Distinct [BW97a, BBT00]. Distributed [Bor99b, Bor99c]. Distribution [TB00, BG94]. distributions [BCM03]. Ditor [BO11a, Mil90, Mil89, MW12].

Dizionario [BB95b]. Do [BB13i, BB15l, BB13k, BB14c, Bor94o]. Doctor [BB12b]. dodgy [BB12a]. Does [BB15g].

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Dubious [BB14e]. due [Koh01]. dull [Bor11b, Bor11c]. Dumb [BB13p].

dunce [BB13q]. during [SBW84]. Dykstra [BB94a]. Dynamic [Bor02r, KMZ+05, BNCB99, LLC+95].

Dynamics [Bor04-30, Bor04-29, Bor04-28, BK05, BL05, Bor05i, Bor10s]. E. [BB13s]. E2995 [ANO+83, AJ86]. E2996 [NOL86]. E2997 [AJB86].

E2998 [KJ86]. E2999 [SZUM86]. E3000 [ANO+83, EWM86]. E3159 [DBCB88]. E3325 [Rud89]. E3335 [KK90a, KK90b, KK90c].

E3384 [Stu09]. E3388 [CJB92]. Earth [Bor13s, BB12z, BB12d, BB12h]. East [Bor05j]. Easy [Gui08]. Eberhard [Bor06o]. ecological [Bea13].

Economics [BB13m]. economy [BB12r]. Edited [Bor06o, Coh15]. editor [Zül86, Bor11b]. Editors [BM97b]. education [Hd12]. Effective [BB06a, BB08c, Bor08d, Bor06k, Bor07h, BBC07c, Bor07i, Bor08h, BC08b].

Effects [BBLZ14]. efficiency [Bor80a, BZ91, BZ93, JN03, Zhu91]. Efficient [BCJW13, Bor77c, BJCW13, Bor83e, HLZ15a, Yan94, Zho12]. eigenvalue [GDT15, JD13]. eigenvalues [Bor84c]. Einführung [BD11]. Eisenstein [Liu01, XY12]. Ekeland [Bej94, Bor88g, Bor88h, Bor88i, Bor90m, Bor90n, LS00, YS00]. elastic [HY09]. electron [BBSZ88]. Electronic [Bor01n, Bor01m, Bor02n, Bor03q, BS97b, Bor97n].

Elementary [AJB86, ANO+83, AJ86, BB84a, BB97b, BB00, BB04a, CJK92, DBCB88, EWM86, KJ86, KK90a, KK90b, KK90c, NO86, Rud89, SZUM86, Stu90, BB16n]. Ellipses [BLS+16]. Elliptic [BBB08, Bor10z, Bor11-29, BBG95b, BZ92, BBGW11, LL01, PT14]. else [BBW97]. Emerging [BC99]. Empirical [BBSZ88, BB13i, BB12h, Bor97g].

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Encyclopedia [BC96]. End [Bor09d, Bor03y, Bor03z]. Energy [BB14f, BB14h, BB15d, BB16g, BBSZ88, BB12e]. engaged [BB16f].

engineering [BB16f]. engineers [BBSZ88, BB13i, BB12h, Bor97g]. Engines [BBSZ88, BB13i, BB12h, Bor97g].
Finite [WB87, Bej94, BW81c, Bor88l, BL92c, BL92d, BL93b, La 09]. firmly
[BR91]. First [Bor92h, Bor92i, Bor93f, Bor93g, Bor06q, BZ92]. Fisher
[BLN96]. Fitting [BBLZ13, BDdPZ16]. Fitzpatrick [BBB+07, BBW07,
BBWY11c, BMWY11, BBWY12c, Bor06a, Bor14n, Bor15i, BD15]. Five
[Bor07d, Bor15d]. Fixed
[BBC+11b, BB91b, Bor84a, Bor92l, Bor92m, Bor92n, BLT15, BLT16].
Fixed-point [BBC+11b, Bor84a]. Flash [BB15m]. fold [BBB96a, BB97d].
Forensic [BB12s, BB16e]. forever [BB12w, BB13t]. form [BS16b].
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Four [Bor02c, Bor02q, Bor06t, Bor06t, Bor06u, BSW13, Bor88f, BB13c].
Four-Color [BB13c]. four-dimensional [BOR88f]. Four-Step [BSW13].
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Bor06i, BVSZ14]. frame [FN15]. frame-based [FN15].
Frankowska [Bor92c]. Fraser [BBJC97]. Fraud [BB92a, BB11f, BB13n].
Fréchet [BV10a, BF93a]. Fredholm [Bor92o, Bor93k]. French [Dev9x].
Fritz [Bor76b]. Function [BB96b, Bor03-32, Bor04-31, BK05, Bor08k, BL11,
BD16, BL16, AL10, AB15, BB15c, Bor91m, BZ92, BB93e, BLN95, BG97b,
BG97a, BBC00, BKW02, BB05e, BC09, BS10, BLL10, Bor14n, Bor15i, BR16,
Bor16n, Bor16o, HGB93, Liu00, NWY09, SZ14]. Functional
[Bor72, BG94, Bor98k, BZ99a, LLC+95]. Functionals
[BB93b, Bor78b, BK01]. Functions
[BB84a, BB88c, BFV93a, BB97b, BB00, Bor02b, BB04a, Bor07g, Bor07h,
Bor07k, Bor08b, Bor08u, Bor09m, Bor11p, Bor11-28, BD15, BL16, EB08,
LBP01, SBW84, AB15, AAW06, BBS10, BBEM10, BB11a, BB15, BBB+07,
BB97a, BBC01, BBW07, BBWY11d, BBWY13, BBP03, BBG95b, BFG87,
BP87, Bor90g, Bor90h, Bor90i, Bor90j, Bor90k, Bor90l, Bor90y, Bor90z,
Bor90-27, Bor90-28, Bor90a, Bor90-40, Bor90-41, Bor90-42, Bor90-43, BB91b,
Bor91a, Bor91p, Bor91q, Bor91r, Bor91s, BL92b, Bor92h, Bor92i, Bor92b,
BF93a, Bor93e, Bor93f, Bor93g, BFV93b, BFV94, Bor94c, BC94, BF94,
BN94, BV95a, Bor95d, Bor95e, Bor95t, BV96c, BV97, BW97a, BM97d,
BM97e, BM97a, BMW97, BM98a, BM98b, Bor98o, BL000, BRLZ00,
WW00, BV01, BLZ01, BV01, BV02, Bor02d]. functions
[Bor02e, BGV02, BW03, BVW03, BBL04, BW05a, BW05b, BMW06, Bor06h,
BB08a, BV09, BG09, BGG09, BV10b, BV10a, Bor11-37, BV12, BY12a,
Bor12s, BY14a, BG15b, BB16n, BDT16, BS16b, BG16c, How14, HL15a,
LL01, Lio01, Lop02, SZ14, XY12]. Fundamental [BB05d, Bor13a]. Funding
[Bor07o, BB13q]. Further [BV94b, Mim90]. Fusion [GB14f, BB15d]. Future
Infinite [Bor92k, BPB99, Bor81c, BK83, Bor83c, Bor83f, BW86, Bor91g, BL91d, Bor92e, Bor92o, Bor93k, Bor94i, Bor95u, Bor95o, BFL02, Bor11u, RZ15].

Infinite-dimensional [BW86]. Infinity [BB91d, Bor15b, Bor16d].

Information [Bor94i, BL95, Bor95u, Bor95o, BLLN95, BLN96].

Informatique [Bor00o]. Inhomogeneous [Kom00, Kom02, Kom04].

Initiatives [Bor00a, Bor01n, Bor01m, Bor02n, Bor03i]. Innovation [Bor99o, Bor12n]. Insight [Bor99i, Bor99j, Bor99k, Bor99l, Bor07t, Bor07u]. Inspired [GG07]. Institute [SBW84]. Institutional [Bor16h]. Insult [BB12v]. Integer [BB09d, BC96, Bor02a, BC07, Bor09p, Bor10t, BB93e, BL00b].

Integrability [BM00]. Integral [BBBG08, Bor84b, BB95d, BY12a, BY14a, Cvil0].

Integrals [BBC06, BBBC07, BCC10, Bor10z, Bor10-30, Bor11f, Bor11-29, Bor11z, Bor11-27, BS11d, BS11e, Bor11-33, Bor11-34, Bor12q, Bor12-31, BS13, BBC07a, BCM07a, BC10, BB10a, BB12u, BB15, BBC08, BZ92, Bor0r, Bor0q, Bor0u, BB01c, BBM02, Bor07e, BBC08a, BBGW11, BNSW11, BS13]. Integrands [BY12a, BY14a].

Integrate [Bor90o]. Integration [BB08b, BB09e, BB09b, BB11b].

Interactive [Bor98j, Bor99p, Bor09z, BBH97]. Interdisciplinary [Bor07q]. Invariance [BB16c]. Invariants [BB98a, BB98c].

Inversion [BB16c]. Intriguing [Bor93o, BB95d].

Introduction [BB97k, Bor02o, Bor07r, Bor08a, Bor10u, BR10, Bor11k, Bor11l, Bor13f, Bor08c, BDO9, Bor10u, BD11, BS11e, BS12a, BV13].

Investigation [BBGPxx]. Investigating [BB14g]. Investment [BBLZ13].


Islamic [SV14]. Israel [Bor90b, RZ15]. Issue [AAB12]. Issues [BL99, Bor0t, Bor03q].

Italian [Bor08a]. Italy [ABD03]. Iterated [BR16].

Iteration [BB89b, BT13a, AB12, AB13, BB86b, BB90b, BB93c, Bor94a, BT14c].

Iterations [Bor89g, Bor89h, BB93f, BB91b, BRS92, Bor93j, Bor10i, Bor10j, Bor10k, Bor11l, Bor11q, Bor13q, BLT15, BLT16].

Iterative [Bor92i, Bor92m, Bor92n, XCl11]. IV [Bor06u].

J [Ban10, Bor92c, BC96, Odl11]. J-P [Bor92c]. J [MR11, SV14, Zal86].

Jacobi [BB91c]. Jacobian [HGB93]. Jameson [BBL99]. Jauregui [ABB12]. John [BB93g, BO11b, BS14a, IEE08, Bor76b, Jac09].

Bor91q, Bor91r, Bor92a, Bor92b, BFV93a, BFV93b, BV95a, Bor95d, Bor95e, BFV97, BM97d, BM97e, BM97a, BMW97, BM98a, BM98b, Bor98o, Bor99, BW00, BFL02, BGV02, BW03, BVW03, BW05b.

**Lipschitz-constant** [BVW03]. **Lipschitzian** [BBEM10, BS84a, BLM00].

**Lists** [Bor05g, Bor05z]. **Literacy** [BB13f]. **Literate** [BB14g].

**Literate** [BB14h]. **Literature** [BB05g, BM07a, Bor02g].

**Little** [Bor91h]. **Littlewood** [HC09].

**Local** [BF89a, BVW03, QR07, BB99b, Bor79e, JN03]. **Locally** [BFV93a, BFV93b, BG16e, BB11a, BFV97, QR07]. **locating** [JY12]. **Log** [BS11a, BBSW11, Bor11f, BS11d, BS11e, BS12b, BBSW12, Bor12q, BBB15, BS13]. **log-gamma** [BBB15]. **Log-sine** [BS11a, BBSW11, Bor11f, BS11d, BS11e, BS12b, BBSW12, BS13].

**Logarithmic** [BB93f]. **Logarithms** [Bor99, BW00, BFL02, BGV02, BW03, BVW03, BW05b].

**Log** [BS11a, BBSW11, Bor11f, BS11d, BS11e, BS12b, BBSW12, BS13]. **Log-sine** [BS11a, BBSW11, Bor11f, BS11d, BS11e, BS12b, BBSW12, BS13].

**Log** [BS11a, BBSW11, Bor11f, BS11d, BS11e, BS12b, BBSW12, BS13]. **Log-sine** [BS11a, BBSW11, Bor11f, BS11d, BS11e, BS12b, BBSW12, BS13].

**Log-arithmic** [BB93f]. **Logarithms**

**Log** [BS11a, BBSW11, Bor11f, BS11d, BS11e, BS12b, BBSW12, BS13]. **Log-sine** [BS11a, BBSW11, Bor11f, BS11d, BS11e, BS12b, BBSW12, BS13].

**Log-arithmic** [BB93f]. **Logarithms**

**Log** [BS11a, BBSW11, Bor11f, BS11d, BS11e, BS12b, BBSW12, BS13]. **Log-sine** [BS11a, BBSW11, Bor11f, BS11d, BS11e, BS12b, BBSW12, BS13].

**Log-arithmic** [BB93f]. **Logarithms**

**Log** [BS11a, BBSW11, Bor11f, BS11d, BS11e, BS12b, BBSW12, BS13]. **Log-sine** [BS11a, BBSW11, Bor11f, BS11d, BS11e, BS12b, BBSW12, BS13].

**Log-arithmic** [BB93f]. **Logarithms**

**Log** [BS11a, BBSW11, Bor11f, BS11d, BS11e, BS12b, BBSW12, BS13]. **Log-sine** [BS11a, BBSW11, Bor11f, BS11d, BS11e, BS12b, BBSW12, BS13].

**Log-arithmic** [BB93f]. **Logarithms**

**Log** [BS11a, BBSW11, Bor11f, BS11d, BS11e, BS12b, BBSW12, BS13]. **Log-sine** [BS11a, BBSW11, Bor11f, BS11d, BS11e, BS12b, BBSW12, BS13].

**Log-arithmic** [BB93f]. **Logarithms**

**Log** [BS11a, BBSW11, Bor11f, BS11d, BS11e, BS12b, BBSW12, BS13]. **Log-sine** [BS11a, BBSW11, Bor11f, BS11d, BS11e, BS12b, BBSW12, BS13].

**Log-arithmic** [BB93f]. **Logarithms**

**Log** [BS11a, BBSW11, Bor11f, BS11d, BS11e, BS12b, BBSW12, BS13]. **Log-sine** [BS11a, BBSW11, Bor11f, BS11d, BS11e, BS12b, BBSW12, BS13].

**Logarithmic** [BB93f]. **Logarithms**

**Log** [BS11a, BBSW11, Bor11f, BS11d, BS11e, BS12b, BBSW12, BS13]. **Log-sine** [BS11a, BBSW11, Bor11f, BS11d, BS11e, BS12b, BBSW12, BS13].

**Logarithmic** [BB93f]. **Logarithms**

**Log** [BS11a, BBSW11, Bor11f, BS11d, BS11e, BS12b, BBSW12, BS13]. **Log-sine** [BS11a, BBSW11, Bor11f, BS11d, BS11e, BS12b, BBSW12, BS13].

**Logarithmic** [BB93f]. **Logarithms**

**Log** [BS11a, BBSW11, Bor11f, BS11d, BS11e, BS12b, BBSW12, BS13]. **Log-sine** [BS11a, BBSW11, Bor11f, BS11d, BS11e, BS12b, BBSW12, BS13].

**Logarithmic** [BB93f]. **Logarithms**
BF06b, HY14]. **Mathematician** [BB12q, Bor98h, Bor01a, Bor01b, Bor01c, Bor01d, Bor02j, Bor02k, Bor02l, Bor02m, Bor05a, Bor06c, Bor15b, CKR15]. **Mathematician/physicist/inventor** [BB12q]. **Mathematicians** [BB12q, Bor98h, Bor01a, Bor01b, Bor01c, Bor01d, Bor02j, Bor02k, Bor02l, Bor02m, Bor05a, Bor06e, Bor15b, CKR15]. **Mathematics** [BB16l, Bor03-30, BMP05, Coh15]. **Mathematics** [BB12q, Bor98h, Bor01a, Bor01b, Bor01c, Bor01d, Bor02j, Bor02k, Bor02l, Bor02m, Bor05a, Bor06e, Bor15b, CKR15]. **Mathematician** [BB12q]. **Mathematicians** [BB12q, Bor98h, Bor01a, Bor01b, Bor01c, Bor01d, Bor02j, Bor02k, Bor02l, Bor02m, Bor05a, Bor06e, Bor15b, CKR15].
Bor11, Bor11m, Bor11n, Bor14c, Bor12c, Bor12d, Bor15e. Mean [BB84a, BB89b, Bor89g, BB93f, BB97b, Bor99z, Bor99-27, Bor99-28, BB00, Bor00u, BB04a, Bor87d, Bor88a, Bor88b, Bor88c, Bor88d, Bor88e, Bor88f, Bor89e, BB90b, BBG93, Bor94a, BW98, Bor98p, BBS14a, BB16n].

Mean-Value [Bor99-28, Bor00u]. Meaning [DD15].

Measures [Bor87c, Bor93j, BLM97].

Means [BB87c, Bor99-28, Bor00u].

Measures [DD15].

Means [BB87c, Bor93j, BLM97].

Meetings [Bor11-28].

Meet [Bor14b].
Monotonicity [Bor09j, Bor09k, Bor12x, BBB99b, BMWY11, Bor97i, Bor97f, multi-disciplinary [Bor16h]. multi-institutional [Bor16h]. Multi-modal [Bor96e]. Multi-variable [BBM02].

Multidimensional [Bor96f, Bor96g, Bor96h, BH06, BTBT88, Bor97p].

Multifunctional [Bor98k, BZ99a]. multifunctions [Bor94b, BF95a, Bor95p, Bor95q, BMS99a]. Multimedia [BMPR02].

Multimodal [Bor97n]. Multiple [BBBL99, BBK00, Bor10-27, BBBL98a, BBBL98b, BBK01, BBBL01, BC10, BDT16, JY12]. multiple-zeta [BC10].

multiplier [Bor81d]. multipliers [Bor80b, BZ16]. Multivalued [Bor77a, Bor79b]. Multivariable [Bor00r, Bor01p, Bor01q, Bor01r].

Multivariate [HYG09, BL92b]. Music [Bor12r]. Musicians [BB16l].

My [Bor08q, Bor12s, Bor07-28, Bor07-29, Bor07-30, Bor08u]. Mysteries [Bor11-30].

N [BC96, Odl11]. National [Bor05j]. NATO [SBW84]. natural [RP09].

Nearest [BG15b, BG16c, Bor88k, BF89b]. Necessary [Bor82b, BTZ98, BZ88]. needs [Bor13a]. negative [BMWY11, BY12f, LL13]. negative-infinum [BMWY11]. Nested [BdB91]. Network [Bor99b, Bor99c]. Networking [Bor98e]. Neumann [BB93a]. Nevanlinna [Bor03p]. Neverending [BVZS14]. Newfoundland [IEE08, SBW84].

Newly [BB12k]. news [BB12a]. Newton [BBW97].

Next [Bor02c, Bor02q, BB16i]. NI [BE08]. Nielsen [BS15b]. NJ [Bor09b]. NMR [BMN00]. No [BB13i, BM97b, BB13e, BWH02, Cam16, Zal86, BB12w]. no. [BZ02a]. Nobel [Bor14b]. Non [Bor72, Bor05-32, Bor06-33, Bor13o, Bor16w, Bor16x, Bor16y, Bor16z, Bor16-27, AB12, AB13, BBWY11b, BBWY12b, BZ94, BE08, BS10, Bor15r, LL13, Sel16, BM07d]. Non- [Bor05-32, Bor06-33].

Non-Convex [Bor16w, Bor16x, Bor16y, Bor16z, Bor16-27, Bor13o, AB12, AB13].

non-expansive [BS10]. Non-Linear [Bor72]. non-negative [LL13].

non-reflexive [BMWY11b, BBWY12b, BZ94, BE08]. Non-smooth [BM07d]. non-Western [Sel16]. nonattaining [BK01].

Nonconvex [ABT15, Bor10m, Bor13q, ABT16, BZ98, BJ98, Bor12o].

nondifferentiability [BG09]. Nonexpansive [BS83, BS84b, Bor09-28, BRS11]. Nonlinear [BBC09, Bor99a, BLO00a, BZ02a, BZ02b, Tod03, BL06]. nonlocal [PT14].

Nonmonotone [GS02, QXY14, XWQ14, AP16, Li15, YW12, ZSQ10].
nonnegative [HNP10, HLZ15a, HLZ15b, WM07]. Nonnormality [BB12x]. nonreflexive [BL93a, BV94b, BZ97]. nonsense [BB12y]. Nonsmooth [Bor94i, Bor94k, Bor94m, BM07b, WB87, Bor98k, BZH99a, XWQ14, YW12]. Norm [Bor86a, BST13, BST15, Art07, BFG03]. Normal [BB13j, BB13k, BB14c, BCJW13, BG87]. nonnegative [HNP10, HLZ15a, HLZ15b, WM07]. Nonnormality [BB12x]. nonreflexive [BL93a, BV94b, BZ97]. nonsense [BB12y]. Nonsmooth [Bor94i, Bor94k, Bor94m, BM07b, WB87, Bor98k, BZH99a, XWQ14, YW12]. Norm [Bor86a, BST13, BST15, Art07, BFG03]. Normal [BB13j, BB13k, BB14c, BCJW13, BG87]. Normality [BBC+10a, BBC+10b, BBC+10c, BN84]. Norm [Bor86a, BST13, BST15, Art07, BFG03]. Normal [BB13j, BB13k, BB14c, BCJW13, BG87]. Normality [BBC+10a, BBC+10b, BBC+10c, BN84]. Norm [Bor86a, BST13, BST15, Art07, BFG03]. Normal [BB13j, BB13k, BB14c, BCJW13, BG87].
DHSZ06, WSdSY15, XH08, XSW12, YW12, ZH06, ZSQ10, Zho12. option [BCM03]. Order [Bor87e, EB08, BB84b, BB84c, Bor86e, BB87a, BD89, Bor92h, Bor92i, Bor93f, Bor93g, BF93b, BN94]. order-bounded [Bor86e]. orderings [Bor74]. Organic [Bor96i, BBJC97, BJ12, Bor97e, BBC+97b, BBJC97]. oriented [BD11]. origin [BDT16, BG16b]. originating [Bor05i, Bor06i]. Origins [BS14b, BS14a]. OSCAR [IEE08]. oscillatory [BB10a]. Other [Bor00j, Bor00k, Bor05-42, Bor05-43, Bor05-44, GS08, Bor92o, Bor93k, BFV97, Bor05-45, BL16, Bor16p, Tre13]. out-of-sample [BBLZ14]. outlook [BB01a]. Over-Fitting [BBLZ13, BBdPZ16]. Overseas [BB15l]. Overview [Bor09-29]. Oxford [BB93g, Bor06o, BO11b, Bor06o]. Oz [Bor11m, Bor11n].

P [Bor92c]. PACBB [ZH06]. Pacific [Bai91]. packing [BB16k, CKM+16, Via16]. pain [BB12k]. Paleo [BB12s, BB16e]. Paleo-Mathematics [BB12s, BB16e]. Pamphlet [BBB03]. Paper [Bor14u, Bor14v, Bor81a, Zäl86]. Papers [BB14h, Bor11b, Bor11c, Cam16, KG04]. Paradox [Bor04-32, BB15f, BB15p]. Parallel [Bor00t, BB09b, BJCW13]. Parameter [BCF04, BC04a]. parameters [LLC+95]. Parametric [BBB06b, Geo05]. Pareto [Bor80a, Bor83e]. Pari [Bor92d]. part [BB93e, Bor16h, Bor15f, BL92d, Bor03n, Bor08e, Bor08f, Bor12e, Bor12f, Bor12-29, Bor12-30, Bor13-33, Bor13-34]. partial [Bor74, MR96]. Partially [Bor86b, Bor88l, BL92c, BL92d, BL93b, Bor97o, Bor98l, Bor98m, BTZ99, Bor99u, Bor99v, Bor00v]. Partially-finite [Bor88l, BL93b]. partitions [RP09]. Parts [Bor15h]. pass [BB12i, BB12g]. Past [Bor07a, Cam16, Bor08r]. Patents [BB14h]. pathological [BBWY11b, BBWY12b]. Paths [Bor03m, Zei05, BBG03]. Cole [Bai91]. FRASER [Bor89a]. inventor [BB12q]. physicist [BB12q]. Zagier [BBB96a, BB97d, Bor97f]. perfect [Bor80c]. Performance [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, IEE08, BBLZ14, Cam16, MTCB98]. Person [BB12i]. personal [Bor03g]. Perspective [Bor98h, BB12n]. Perth [Bea13]. perturbation [BCFR04]. perturbations [BB94, BB97]. perturbed [BV09]. Peter [Bai91, Ber88, Coh15, Bor08s]. Peters [Ban10, Odl11, Zei05]. Phelps [BBWY11c, BMWY11, BBWY12c]. Philosophical [Bor05p, Bor05q, Bor05-37, Bor05-38]. Philosophy [Bor04t, GS08, BR14m, Bor08b]. Physics [BB08a, BBC09, BBBZ10a, BB15e, Fer91, BBBZ10b, BB12, BB15j, Bor10s]. PI [Bor90q, Bor90r, Bor90s, Bor90t, Bor90u, Bor90v, Bor90w, Bor90x, BB13b, BB13a, BB13k, BB14d, BB14i, BB14c, BB14b, BB15o, BB16h, BB16i, BBBR16, BB97b, BB00a, BB03, BB04a, BB87d, Bor89e, BB89, Bor89f, Bor90-29, Bor90-30, Bor90-31, Bor90-32, Bor90-33, Bor90-34, Bor90-35, Bor90-36, Bor90-37, Bor90-38, Bor90-39, Bor91h, Bor93h, Bor93i, BG97a, BBB97, BB97c, Bor97q, Bor97r, Bor97s, Bor97t, Bor97x, Bor98i, BB98h].
Bor98b, Bor99w, Bor99-29, Bor99-30, BBD00, BBD00b, Bor03r, Bor03s, Bor03u, Bor03v, Bor03w, Bor03x, BBD04, BB04b, Bor05x, Bor05y, Bor06-27, Bor07v, Bor08l, Bor08m, Bor10v, Bor10w, Bor11u, Bor11v, Bor11w, Bor11x, Bor11y, Bor11d, Bor11h, Bor12t, Bor12u, Bor12v, Bor13n, Bor13r, Bor13s, Bor14r, Bor14p, Bor14t, Bor14z, Bor15k, BC15b, BC15a, Bor16q]. Pi
[Bor16p, Bor16c, BBD16, BC16, Bor16b, BBB16, Sei01, Bor14q, AL10, BBP97, BBB97a, BBC12a, BB14l, BB84c, Bor86f, BB87a, Bor87g, Bor87f, Bor89b, BB89, Bor01e, Bor08a, Bor88, BB88d, BB91e, BB96c, BM06, Bor12w, BB16o, Abb00, Ask88, BB93g, Cas99, Rob06, Wim88]. Pioneer
[BB16g]. pitfalls
[Bor94d, Bor94e, Bor94f, Bor95g, Bor95h, Bor95i, Bor95j, Bor95k, Bor95l, Bor95m, Bor96c]. Plan
[Bor04p, Bor05k, Bor05l, Bor05m, Bor05n, Bor05o, Bor06l, R+05, Bor03y, Bor03z, Bor06-28]. plane
[Bor79f, BNSW10]. Planet
[Bor13s, BB12z, Bor06f]. plates
[BB91d]. Plausible
[Bor93c, Bor93d, Bor03-27, Bor03-28, Bor03-33, BB04b, Bor04-27, Bor04v, Bor04x, Bor04y, Bor04z, Bor06-29, Bor10a, HF05, Hoa05, Zei05]. playing
[BB12o]. Please
[BB13l]. Pleasure
[Bor02l, Bor02m, Bor05a]. Plouffe
[BC96]. Point
[BB88a, BBC11b, Bor84a, BB91b, BLT15, BLT16, HD07]. Points
[Bor77c, Bor83e, Bor86c, Bor88k, BF89b, Bor92l, Bor92m, Bor92n, BF93a, BW97a, BKW02, BY12e, BY13c, BG15b, BG16c]. Poisson
[BB13d, BBCZ13, BBKL16, TB00]. Pol
[BB07]. politicians
[BB12z]. politics
[BB12b, Bor13c]. polyhedra
[Bor00r, Bor01p, Bor01q, Bor01r, BBM02]. polylogarithmic
[BBP97, Bor97l, GG07]. Polylogarithms
[BBBL99, Bor01r, Bor01s, Bor01t, BBM02]. polynomial
[BH95]. Polynomials
[BBKL16, HC09]. Poorten
[BSZ13]. Portfolio
[Bor09a, Bor12n, BB16a]. positive
[DABY15]. Possible
[Bor07w, Bor07-32, Bor08n, Bor08o]. postcards
[Bor10q]. powers
[BC07]. Pp
[Ban10, Bai91, Ber88, BB91d, BB93g, BC96, Bor06o, Bor09b, BO11b, Coh15, Od11, Zei05]. Practical
[BL91d]. Practice
[BBS16b, BJL+08]. precedent
[BB14b]. Precision
[BB08a, BB08b, BB13h, BL92e, BB92a, BB92c, BB92e, BB92h, BB11b, BB12, BB15, Bor10s]. Preconditioned
[MR96]. Preface
[AAB12]. prefer
[Bor15k, BC15b, BC15a, BC16]. Preiss
[Bej94, Dev9x, Fab89, Geo05, KPS16, LS00, QR07, YS00]. Preisses
[Bor89c]. Prepared
[BB15o]. prescribed
[BMW97, BW03]. Presence
[Bor09e, Bor99f, Bor99d, Bor16-28, Bor13-33, Bor13-34, Bor13-32, BZ13, BLT15, BLT16]. Present
[Bor07a]. Presentation
[Bor05e, Bor09a]. presidential
[BB12y]. Press
[Bor93g, BC96, Bor06o, Bor09b, BO11b, BS14a]. previously
[BBMW13]. Price
[Bai91, Ber88]. prices
[BCM03]. primality
[Bor94g, BBBBB96, BB97b, BMS13, BSM13]. primes
[Cha03]. Princeton
[Bor09b, BO11b, HDG+15]. Principle
[Bor03-32, Bor04-31, BHP14, Geo05, YS00, Bor83b, Bor85g, BP87, Bor87i, Bor87j, Bor90m, Bor90n, BCM03, BCFR04, Fab89, KPS16, LS00, QR07]. Principles
[BBS16b, BSM99b, Bor06r, Bor06s, Bor06t, Bor06u, Bor09-30, Bej94, BZT99, BV09]. Prize
[Bor03p, Bor14b]. Prizes
[Bor03p]. Probability
[Bor98a, BS97b]. **Publishing** [Bor99y, Bor96d, Bor97h, Bor97i, Bor97n]. puzzles [Bor15a].

**QC** [KG04]. **QPQC** [Pos13]. **Quadratic** [Bor89g, Bor89h, BY06, HLZ15b, Bor82b, DF05, La 09, NWY09].

quadratically [BB86c]. **Quadrature** [BB06a, BW82b, BW86]. quantitative [Koh01]. quantum [Cvi10].

**Quartic** [Bai88, TK97]. Quasi [BL92c]. quasiconvex [BBP03]. quest [BBBP97]. question [BB14k, MR11]. Questions [Bor03-34]. Quinn [BBC09].

R [Odl11]. **Rachford** [AB12, ABT13a, AB13, ABT13b, ABT13c, ABT14a, ABT14b, ABT14c, ABT14d, ABT16, Bor10i, Bor10j, Bor10k, Bor10l, BS11b, Bor11q, Bor11r, BT13a, BT13b, Bor13i, Bor13q, BT14c, Bor14e, Bor14f, BT15, Bor15g, Bor15k, BG16b, BLS+16]. radicals [BdB91]. **Rainfall** [Bor13], BHP14, Bor13p, PHBH12, PHBH13, PHB13, PHB14]. **Ramanujan** [AB15, AAB12, BB97a, BBG95b, Bor85b, Bor86f, BB87a, Bor87g, BB87b, Bor87l, BB88b, BB88d, BB89a, Bor89f, BB89g, BB90-29, BB90-30, Bor90-31, Bor90-32, Bor90-33, Bor90-34, Bor90-35, Bor90-36, Bor90-37, Bor90-38, Bor90-39, Bor91i, Bor91j, Bor91k, Bor91l, Bor91m, Bor91n, Bor91o, Bor92, Bor92g, Bor92j, BB93d, Bor93m, BBC94b, BB96c, BB97c, BB97b, BB006b, BB01e, Bor03d, Bor03e, Bor03f, Bor04-30, Bor04-29, Bor04-28, BCF04, BC04a, BB04b, BL05, Bor05i, Bor06i, BL08, Bor10z, Bor10-28, Bor10-29, Bor11-28, BBGW11, Bor11-29, Bor11-31, Bor12w, BB16, Bor16d, BB16o, Liu00, BB91d]. Ramanujan-type [BB87a, BB88b, BL08]. Ramble [Bor10-30, Bor10-31, Bor11-32]. Rand [BBC09]. Random [BB13a, BNSW10, Bor10-30, Bor10-31, Bor11-32, BSW13, Gan14, BB13b, BB97a, BCJC13, BCJW13, BL05, Bor10e, BSWZ11, BNSW11, Bor12b, BSWZ12, BR13a, BSV15, BS16b, BS16c, BS16a]. Randomness [BBBR16].

Range [Bor04p, Bor05k, Bor05i, Bor05m, Bor05n, Bor05o, Bor06l, R05, BW81c, BFKL01, BFL02, Bor03y, Bor03z, Bor06-28]. rapid [BBP97]. rapidly [AL10, BB83]. rate [BLY13, BLY14, BLT15, BLT16, HL15b]. Ratio [Ade14a]. rational [BB87b, BZ92, BB98a, BB98c]. Reactions [BB14h].

Real [ABBB13, B91, C04, Bor13-27, Bor13-28, Bor90, BFG87, BB90c, BB91b, Bor04-30, Bor10-28, Bor14w, Bor14x, Bor16s, Bor16t, Bor16u]. Real-Parameter [CF04]. Realistic [BMC09, 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, Bor10a, HF05, Hoa05, Zei05].

**Reconstruction** [Bor09z, Bor92o, Bor93k, BLN95, BLSN95, BLY96, LLY95, MTC98].

reconstructions [MTCB99]. **Recurrence** [B08, BBCM07b]. recurrences [BBS14a]. **Recursion** [B07]. reduction [BW81d]. Refined [BBFG01, War03]. Reflection
sandwiched [BF01].  Sink [Bor11-35, BBS12].  Santalo [BBFG01].  Satire [Bor07c].  Scale [JWDS+14, DF05, Ray97, WM07, XH08].  scales [PHBH13].  scaling [WSdSY15].  sceptics [BB12d].  Sceptics [Bor90b].  Scheme [BT13a, BT14c].  Schemes [BB08d, Bor06j, Bor06k].  scholars [Bor03g].  School [BB12m, WB97].  Science [BB13p, BB13r, BB15g, BBBR16, Bor95u, Bor95v, RZ15, Sel16, SBB13, BB12f, BB12j, BB12w, BB13i, BB13n, BB13o, BB13q, BB14m, BB14+1b, Bor96k, Bor97w, Bor98r, Bor14a, Bor15c].  Sciences [Bor98e, Bor07o, Bor13l, Bor13m, SV14].  Scientific [BB12d].  Scientists [Bor04i, BB11f].  SCIHTBB [XC11].  Scissors [Bor14u, Bor14v].  Scribner [BB91d].  search [FN15, YW12].  Searching [BB96b, BB05e].  Seasonal [BHP14, Bor13p, PHB13, PHB14].  Second [BN04, EB08, ABDO3, Bor92h, Bor92i, Bor93f, Bor93g, BF93b].  second-order [BF93b].  Security [BB15].  Seeing [Bor12y, Bor13-27, Bor13-28, Bor13t, Bor13u, Bor13v, Bor13w, Bor13x, Bor13y, Bor13z, Bor14w, Bor14x, Bor16s, Bor16t, Bor16u].  Seeking [BB15f].  self [Art07], self-contained [Art07], sell [BB12].  Semi [Bor83f, Bor89i, Bor81c, Bor83c, BLY13].  semi-algebraic [BLY13].  Semi-finite [Bor89].  Semi-infinite [Bor83f, Bor81c, Bor83c].  semialgebraic [BLY14].  semicontinuity [BLZ01], semiconcave [Bor90].  Separable [BM00, Bor95b, Bor92d, Bor02e, BLB04].  separately [BK83], separately-infinite [BK83].  separate [BB01b].  separation [BJ98].  September [SWBW84], sequence [BL92a], sequences [BL93a, Bor98d, Bor15d, BC96], sequential [BF95b], sequentially [Bor93a].  Ser. [BZ92a].  Series [Ber88, BB86a, BB92a, Bor01g, Bor05f, BB07, BB12j, BB15c, BB87b, BB88b, BB93d, Bor93o, BB95d, Bor02h, Bor02i, BC03, BC04b, BC05, Bor07e, Liu01, Nim15, XY12].  Serious [Bor07c, BB13e].  Serving [Ze10].  session [Bea13].  Set [BB91a, BB13o, Bor13-29, Bor15m, BZ88, BV95b, Zho12, Bor92c].  set-valued [BZ88, Zho12, Bor92c].  Sets [BB93b, Bor06a, BBCR13, BB93a, BB94a, BRL97a, BRL97b, Bar81, BT85, BS86, Bor87m, BS87, BFK91, BL93a, BF94, BF95c, Bor95a, Bor95b, BV96a, BV96b, BM98b, BLM00, BV04, Bor07y, Bor08t, Bor12g, Bor12h, BLY13, BLY14].  Setting [BB13+13, Bor07c, SBB13].  Seven [Bor13-30].  Several [BB86a, Wei15].  Shafrir [Koh01].  Shannon [BH95].  shape [S14].  share [BW97a].  Short [BM97c, Bor10-31, Bor11f, Bor11-33, Bor11-34, Bor11-32, Bor15o, Bor15p, Bor15q, BSW211, BSW211, Bor12b, BSWZ12, BS13, Bor14s, BS15, Bor15n, BS16, Bor16e].  Shrum [Bor93a].  Shu [BB95c].  SIAM
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Stoneham [BB12x]. stop [BB12f]. Story [Bor94h, Bor09y, Bor90o, Bor90p].
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[BBC01]. strictly [Bor95d, Bor95e, NWY09]. Strogatz [BBC09]. Strong
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Study [BBBR16, BB87d, Bo05f, Bor11f, Bor11z, Bor11-27, SBW84,
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[Bor88m, Bor88n, BZ96, BW97, BGW98]. Subdifferentiability
[BB01, Fab89, BP87]. subdifferential
[BW97a, BM97a, BZ98, BM00, BZ02a, BZ02b, BS10]. Subdifferentials
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[BB06a, BC04b]. summation [BCM09].
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U.S. [BB12y, BB12z]. U.K. [BF06b]. ultraproducts [BS15a]. uncertain
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you're [BB13e].

Zang [Bor90b]. Zeidler [Bor06o]. zero [BBY12, BBY14]. ZETA [Bor97p,
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BC10, BDT16]. Zeta-Function [Bor08k]. Zhai [Coh15].

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cial volume of Serdica Mathematical Journal in honour of Asen Dontchev.


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Victor Adamchik and Stan Wagon. A simple formula for π. *American Mathematical Monthly*, 104(9):852–855, November 1997. CODEN AMMYAE. ISSN 0002-9890 (print), 1930-0972 (electronic). URL http://www.maa.org/pubs/monthly_nov97_toc.html. The authors employ Mathematica to extend earlier work of Bailey, Borwein, and Plouffe, [BBP97], done in 1995, but only just published, that discovered an amazing formula for π as is a power series in $16^{-k}$, enabling any base-16 digit of π 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 $10^{-k}$.


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