

A Brief Bibliography of Publications about the Kepler Conjecture

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Title word cross-reference

1 [ZCT⁺14]. 18 [Tal99]. 2 [IN07, ZCT⁺14]. 24 [BB16, CKM⁺16]. 3
[IN07, LZLX10]. 8 [BB16, Via16]. E_8 [CKM⁺19]. N
[CGV⁺03, CF10, Hau91, Hau95]. R^d [PKC16]. S [Kun92].

-Cube [Hau95, Hau91]. **-dimensional** [ZCT⁺14]. **-space** [ZCT⁺14]. **-units**
[Kun92].

12th [AL01]. **15th** [MS02]. **16** [Hsi95]. **17th** [SBG04]. **18th** [HM05]. **1900**
[Hil00, Hil01].

2002 [MS02, STDH02]. **24-dimensional** [Kla19].

3-dimensional [Oes00]. **3-polytopes** [BH00]. **3DRSP** [BC22].

4th [HY14, IEE07].

6th [BR07].

82 [TS10b]. **88** [Mus98].

95g [Hsi95].

accessible [BDH⁺05]. **according** [Oes00]. **achievement** [BCR83]. **action** [Hsi01]. **addition** [TUS06]. **ADG** [BR07]. **Advances** [HSP00, MS02]. **advancing** [LTÜ00]. **aggregates** [ZRD⁺14]. **AI** [MS02]. **algebra** [Gar01a]. **algebraic** [Kun92]. **Algorithm** [Zin94, DFM17, DTSC04, LRCG16, MT13, Zau16]. **Algorithmic** [DTS05a]. **Algorithms** [CHH⁺01, SE92, SBH07, Hal03, Kao08, ZCT⁺14]. **along** [RT98]. **Amorphous** [PZ06, RT98]. **Amsterdam** [STDH02]. **Analysis** [AGM08, CJS92, BCR83, LJ13]. **analytic** [BDH⁺05]. **Analytical** [TJ09a]. **Analyzing** [SBH07]. **annual** [ACM01, AL01]. **aperiodic** [SMKGS23]. **Apollonian** [FS11, SMF23]. **Appl** [Mus98]. **Application** [Zau16]. **applications** [CHH⁺01, DTS05b]. **Approach** [Cor02, Zon22, Ano97, Gav08, Mus97, Mus98, Mus00, RZ12, ZSRB07]. **Approximation** [MPS⁺16]. **April** [STDH02]. **Arbitrary** [PKC16, LRCG16]. **Archimedean** [TJ09c, TJ09b, TJ10a]. **area** [AF06, BDH⁺05, CF10]. **arising** [Hal03]. **Arrangements** [Kup07]. **Arrow** [DFM17]. **Arrow-Hurwicz** [DFM17]. **article** [Hsi95]. **artificial** [MS02]. **ARVO** [BDH⁺05]. **Assisted** [Max91]. **Asymmetric** [CM00]. **Athermal** [SAF10]. **Atlanta** [Bil85]. **August** [BR07, FS07, HY14, HM05]. **Australia** [MS02]. **Australian** [MS02]. **Automated** [KU13, Wan99, BR07, FS07]. **Automating** [Edw16]. **awarded** [Ano20a]. **Axis** [Wan00].

back [Jos12]. **Ball** [Tót53, Tót72]. **Balls** [Kup07]. **Based** [Cor02, BC22, Gav08, LJ13]. **basic** [LZLX10, ON09]. **batches** [JZ23]. **Bath** [CAL⁺13]. **be** [NIS14]. **beat** [Sah06]. **behavior** [KGT15]. **Belgium** [SBH07]. **Below** [CM00]. **Bernal** [TS10b, TS10a]. **Berwick** [Ano20a]. **Best** [CS95, Pit19]. **Bestimmung** [MPS02]. **Beweis** [Hen98]. **beyond** [TS10a, TS10b]. **bin** [JZ23, ZCT⁺14]. **Biting** [LTÜ00]. **Blueprint** [Hal12]. **bodies** [KK90, Min04, Tót08]. **Boltzmann** [KGT15]. **Book** [Mor05, Bra95, Gar01a]. **Boolean** [Hau91, Hau95]. **Bound** [CM00, Mud93, AF06, GEK11, Sah06]. **Boundary** [Zin94]. **Bounded** [Hau95, Hau91, ZCT⁺14]. **Bounds** [BN00, BN02, BN05, CE03, Hal06c, Lag02, MVG05, TS06, AGMW13, CT22, Hen05, Obu05]. **Box** [Cor02]. **branch** [RT98]. **Breakthrough** [Coh17]. **Brussels** [SBH07]. **bubbles** [CGV⁺03, CF10]. **Build** [Cep23]. **bullets** [SvdW53].

C [Hsi95, Lag11b, Oes00, TL06]. **calculations** [CGV⁺03]. **Calculus**

[CAL⁺13]. **Canberra** [MS02]. **Cannonballs** [Hal00]. **Carroll** [Fea10]. **cases** [Hal06b]. **Cavity** [RZ12]. **centered** [GJT12, Kun92]. **cercles** [Ber93]. **Certification** [AGMW13]. **Characterization** [MPS02]. **Chervonenkis** [Hau91, Hau95]. **CICM** [CAL⁺13]. **Circle** [FS11, MPS⁺16, Tót99, BS08, LMX19, Ber93]. **Circles** [SMF23, CK91, SHWP09]. **City** [SBG04]. **classic** [Gar01a]. **classification** [TS01]. **cleavage** [ZSRB07]. **Close** [Zin94, BCR83, JT85]. **closest** [Mar11, Min04]. **clumping** [NIS14]. **clusters** [VG01]. **CMAC** [Cor02]. **CMAC-Based** [Cor02]. **Coarse** [KGT15]. **Coarse-** [KGT15]. **code** [BC22]. **codes** [HST10, LS71, Slo81, Tho79, Tho83]. **Coding** [CM00]. **collective** [LJ13]. **collision** [DTS05a, DTS05b]. **collision-driven** [DTS05a, DTS05b]. **colossal** [Gar01a]. **Combinatorial** [Cor01, AL01]. **combinatorics** [Sch79]. **Compact** [BW01]. **Complete** [Cep23, Tan79]. **completed** [BB14]. **Comput** [Mus98]. **Computational** [ACM01, STDH02, Gav08, ZSRB07]. **Computations** [Ano99]. **Computer** [Bil85, Gar12, Hen98, HZ00, JT85, Max91, Zon22, CAL⁺13, Hal02]. **Computing** [IEE07, BDH⁺05]. **Conceptual** [Coh17]. **concerning** [Rén58]. **Conditions** [Zin94, Mát93]. **Conference** [FS07, HY14, MS02, STDH02, HM05, SBG04]. **confined** [CF10]. **Congress** [FVJT10, Hil00, Hil01]. **Congruent** [Kup07, CHH⁺01, Gro62, Min04]. **Conjectural** [TS06]. **Conjecture** [Ano99, Hal10, Hen98, Hsi95, TL06, AH75, BCR83, BB14, Bez97, BS70, Hal01a, HM10, HAB⁺15, HZ00, Hsi01, Mar11, Szp03c, Bez13, Hal94, Hal98, Hal02, Hal03, Hal04, Hal05, HF06, Hal06a, HHM⁺10, HF11, Hsi93b, Hsi93c, Lag02, Lag11b, Lag11a, Mus00, Szp03a, Mor05]. **Constructions** [TJ09a, TJ10b]. **Container** [Kup07]. **containers** [Sch06]. **containing** [Bra95, MPS02]. **convergence** [LJ13]. **Convex** [GW93, Gru07, Zon06, KK90, TK93, Tót08, ZD96]. **Cores** [BW01]. **cornered** [Kep66]. **correcting** [LS71, Tho79, Tho83]. **Correction** [BN05]. **correlated** [Zau16]. **correlations** [JT11]. **Covering** [B04, CT06, Cor01, TGW89, Tót08, Rog64, Rog68, Sch79, TK93]. **Coxeter** [MPS02]. **Coxetersche** [MPS02]. **CPM** [AL01]. **Craig** [Che13]. **created** [TJ12]. **creating** [Zau16]. **crystal** [DSCT04, Gar12, Hsi01]. **crystal-growth** [Gar12]. **crystalline** [CEG10, HAEK⁺09]. **crystallographic** [CRCS20]. **crystals** [Gar12]. **Cube** [Cep23, Gen04, Hau95, Zon06, Hau91]. **cubes** [JZ23]. **cubic** [GJT12]. **cuboctahedra** [Zon13]. **Current** [Mar85].

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GEK11, Hal93, HST10, Lag02, NIS14, Oes00, SST08, Sch00, Sol67, ZRD⁺14].
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dimer [CEG10]. **disasters** [Lep97]. **Discrete** [Zon06, Gru07, ZD96]. **discs** [Tan79]. **Disordered** [AM07, HAEK⁺09]. **display** [TKUG13]. **DML** [CAL⁺13]. **dodecahedral** [Bez97, HM10]. **Does** [Szp03b]. **domains** [LRCG16]. **Double** [KK90]. **Double-lattice** [KK90]. **Dr.** [Ano20a].
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Ebene [Tót53, Tót72]. **edition** [Bra95]. **editor** [TL06]. **Effective** [SBH07].
Efficient [MT13, LRCG16]. **eigenvalues** [KOT22]. **eight** [KOT22, Kla19].
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Equidecomposable [Hal07]. **Erratum** [Ano97, Mus98]. **Error** [CM00, LS71, Tho79, Tho83]. **error-correcting** [LS71, Tho79, Tho83].
Estimates [SST08]. **Euclidean** [Bli99, Har13, SDST06, TUS06]. **Evolution** [Cor02]. **Exact** [TJ10b]. **Excluded** [MT02a, BDH⁺05]. **Experiments** [FS11, XLNQ20]. **Extremal** [Hal06b].

face [GJT12]. **face-centered-cubic** [GJT12]. **Families** [GJT12]. **Family** [TJ09a, Ano97, Mus97, Mus98, TJ10b]. **famous** [Cas01]. **FCC** [BW01, EIH18, Sch00]. **feedback** [Sah06]. **Ferguson** [TL06, Lag11b, Oes00, VG01]. **field** [Zau16]. **fill** [Sen81]. **Filling** [PAHG12, Str28, Rén58]. **fine** [KGT15]. **fine-grid** [KGT15]. **Finite** [AMB11, BW01, BH98, BBC98, B04, PKC16, TGW89, Lep97]. **finiten** [Lep97]. **first** [Bra95]. **Five** [Lee67a, Cas01]. **Flat** [KOT22]. **fluids** [ZBT⁺99].
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Foams [Kla00]. **force** [Zau16]. **foreword** [TL06]. **Formal** [BB14, Hal08, Hal12, Har08, TKUG13, HAB⁺15]. **Formalizing** [Hal04].
Formally [AH14]. **formation** [Hsi01]. **forms** [CT22]. **formulas** [CKM⁺19].
formulation [HF06]. **Fortran** [BDH⁺05]. **four** [vMFC09].
four-dimensional [vMFC09]. **Free** [MT02a]. **French** [Ber93, Oes00].

frictionless [SAF10]. **front** [LTÜ00]. **frustration** [vMFC09]. **Function** [Kla19]. **Functions** [HSP00, AGMW13, Ano97, Kla19, Mus97, Mus98].

game [Gar01a]. **garden** [Fea10]. **Gardner** [Fea10]. **gehalten** [Hil00, Hil01]. **generalization** [Che13]. **Generalized** [Gav08]. **generate** [LRCG16, MT13]. **generation** [TS01]. **generative** [Hal01b]. **Generators** [Mar85]. **Geometrical** [vMFC09, HL03]. **Geometry** [ACM01, GW93, Zon06, dGMMD14, BR07, Gar01a, Gav08, Gru07, Hsi93a, Hsi94, ZD96]. **geometry-based** [Gav08]. **Georgia** [Bil85]. **Geräumigkeitsbedingungen** [Mát93]. **German** [Gar12, Gro62, Hen98, HZ00, Hil00, Hil01, Lep97, Mát93, Min04, MPS02, SvdW53, Tót53, Tót72]. **gitterförmige** [Gro62, Min04]. **Glamorgan** [IEE07]. **Globally** [PKC16]. **golden** [HST10]. **graphs** [Hal06d, NBS06, NBS07]. **Grassmann** [BN00, BN02, BN05, Hen05]. **greatest** [Szp03a]. **grid** [KGT15]. **Groups** [CS+88, CS+93, CS99, MPS02, Szi93, Tho79, Tho83]. **growth** [Gar12]. **Guest** [TL06].

Hale [Mor05]. **Hales** [TL06, Ano20a, Hsi95, Jos12, Lag11b, Oes00, Ste99, VG01]. **Hamming** [RZ12]. **Handbook** [GW93]. **Hard** [AM07, AGM08, MT02a, RT98, BCR83, Bal11, DTSC04, DTS05a, DTS05b, DCST07, HAEG11, PZ06, TS01, TUS06, TS10a, TS10b, TJ12, ZBT+99, vMFC09]. **hard-particle** [TS01, TS10a, TS10b]. **Hard-sphere** [RT98, DTSC04, ZBT+99]. **HCP** [Sch00]. **held** [CAL+13, Hil00, Hil01]. **helfen** [Gar12]. **Help** [Ano99, Gar12]. **helped** [Szp03a]. **Heuristics** [SBH07]. **high** [SST08, SDST06, TUS06]. **high-dimensional** [SDST06]. **Higher** [Max91, HM05, Lee64, SBG04]. **highly** [Kla19]. **Hilbert** [Jos12]. **Historical** [Hal06a]. **history** [Szp03a, Wea99]. **HOL** [Har13, KU13, Obu05]. **Holes** [MVG05]. **honeycomb** [Hal01a]. **Honeycombs** [Hal00, Kla00]. **Hurwicz** [DFM17]. **Hydrophobic** [BW01]. **hyper** [Ano97, Mus97, Mus98]. **Hyperbolic** [BR03]. **hyperspheres** [AW10, SDST06]. **hyperuniform** [JT11].

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Kepler [Hsi95, TS10b, TL06, Ano99, BB14, Bez13, Bra95, Gar12, Hal94, Hal98, Hal02, Hal03, Hal04, Hal05, HF06, Hal06a, Hal10, HHM⁺10, HF11, HAB⁺15, HL03, Hen98, HZ00, Hsi93b, Hsi93c, Hsi01, HS14, Jos12, Lag02, Lag11b, Lag11a, Mar11, Mus00, Szp03c, Szp03a, TS10a, Mor05]. **Kepler-Vermutung** [HZ00]. **Keplerschen** [Hen98]. **key** [Bra95]. **kissing** [Tal99, Zon96]. **Kobe** [FVJT10]. **Kongreß** [Hil00, Hil01]. **kongruenter** [Gro62, Min04]. **Korea** [HY14]. **Körper** [Min04]. **Kristalle** [Gar12]. **Kristallwachstum** [Gar12]. **Kugeln** [Tót53, Tót72, Hen98, HZ00, SvdW53]. **Kugelpackungen** [MPS02, Lep97]. **Kugelsysteme** [Mát93].

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M [Fea10]. **Magic** [Kla19]. **Manifold** [BN05, BN02]. **Manifolds** [BN00, Hen05]. **many** [NIS14]. **March** [Bil85]. **Marsaglia** [AW10].

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Mathematics

[Dav05, Pit19, Szp03b, AH14, Avi19, CAL⁺13, Gar01a, TKUG13, Gar12]. **Mathematik** [Gar12]. **Mathematiker** [Hil00, Hil01]. **Mathematiker-Kongreß** [Hil00, Hil01]. **Mathematische** [Hil00, Hil01]. **Matlab** [BC22]. **Matlab-based** [BC22]. **Matrix** [HSP00]. **Max** [Wan00]. **Maximal** [Oes00, HST10]. **maximale** [Oes00]. **Maximally** [JT11]. **Maximum** [BK10, BKM91, LZLX10]. **mean** [XGW13]. **meaning** [HL03]. **mechanization** [Avi19]. **Medford** [ACM01]. **Medial** [Wan00]. **Meets** [Rad04, LTÜ00]. **metastable** [RT98]. **method** [AGMW13, LJ13]. **Min** [Wan00]. **Min-Max** [Wan00]. **minds** [Szp03a]. **Minimal** [CGV⁺03, CF10]. **Minimizing** [BS08]. **minimum** [BK10]. **Minkowski** [Tót99]. **mixtures** [XLNQ20]. **MKM** [CAL⁺13]. **Mod** [TS10b]. **modeling** [ZSRB07]. **modular**

[CT22]. **molecular** [DTS05a, DTS05b]. **monotile** [SMKGS23]. **most** [Cas01]. **mountaintops** [Cas01]. **MR1281754** [Hsi95]. **MRT** [KGT15]. **MRT/TRT** [KGT15]. **Multi** [IN07]. **Multi-sphere** [IN07]. **Multiple** [Bli99]. **Multiplicity** [TS01]. **multiscale** [Zau16]. **myriad** [Kla19]. **Mysteries** [LZ12].

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object [BS08]. **objects** [LZLX10]. **octahedra** [GEK11]. **oldest** [Szp03a]. **One** [CM00, Kla19, Bra95, Rén58, Szp03a]. **one-dimensional** [Rén58]. **Online** [LMX19, ZCT⁺14]. **Optimal** [CM00, JST09, Kup07, PAHG12, Szi93, TS06, Wan00, ZBT⁺99, CK91, EDM09, MPS02, SST08]. **optimalen** [MPS02]. **Optimality** [EIH18, CKM⁺19]. **Optimally** [BW01]. **Optimization** [Cor01]. **Optimized** [PKC16]. **Orange** [Cor02]. **Orbits** [Rad04]. **Orbs** [Rad04]. **Order** [THBM07, HM05, SBG04]. **orders** [She19]. **Organizing** [TJ12]. **Other** [MPS⁺16, Gar01a]. **overlapping** [BDH⁺05]. **overview** [Hal06a]. **Oxford** [HM05].

P [Lag11b, Oes00]. **P.** [TL06]. **package** [BDH⁺05]. **Packed** [Ste99, HAEK⁺09]. **Packing** [AW00, BKM91, Bli99, B04, BR03, Che08b, Che08a, CM00, CJS92, Coh17, CT06, Cor02, Cor01, EIH18, Gar01b, Gil79, HSP00, Hau91, Hau95, He17, He19, IN07, JZ23, Kup07, LZ12, MT02a, Max91, MPS⁺16, Rad04, Rog64, SMF23, SHWP09, Sch79, SDST06, TGW89, TK93, Wan99, Wan00, ZRD⁺14, Zin94, AW10, AH75, AS12, Ano97, BCR83, BB14, BB16, Ber93, BS08, BC22, BS70, CHH⁺01, CK91, CKM⁺16, CT22, DFM17, EDM09, Fea10, GEK11, Hal92, Hen05, Hig61, HST10, Hoy70, Hsi93b, Hsi93c, Hsi01, JT85, LTÜ00, LZLX10, LJ13, LMX19, Mar11, Min04, Mus97, Mus98, Oes00, RZ12, Sah06, Sch06, Slo84, Sol67, Tan79, Via16, Wea99, XLNQ20, XGW13, ZSRB07, ZBT⁺99, ZCT⁺14, Zon13]. **Packings** [AM07, AGM08, AMB11, BW01, BN00, BN05, BH98, BBC98, CE03, CS⁺88, CS95, FS11, Gen04, GORT02, Hal97b, Hal97c, Hal06c, Hal12, HC16, Mud93, MVG05, PKC16, TS06, TJ09a, Tót99, Zon22, BK10, BN02, BH00, Bez06, CRCS20, CEG10, Che10, CS⁺93, CS99, DTSC04, DSCT04, DCST07, Fer06, Hal93, Hal97a, Hal01b, Hal06b, Hal06d, JST09, JT11, KEG09, KEG10, KGT15, Kun92, KK90, Lag02, Lee64, Lee67a, Lee67b, Lee69, LS71, Lep97, MT13, MPS02, PZ06, SST08, She19, Slo81, Szi93, Tho79, Tho83, TS01, TJ09c, TJ09b, TJ10a, TJ10b, TS10a, TS10b, TJ12, VG01, Zau16, ZT99]. **packs** [LRCG16]. **Packungen** [Lep97]. **Pairs** [Gil79]. **Palásti** [AH75, BS70].

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