A Brief Bibliography of Publications about the
Kepler Conjecture

Nelson H. F. Beebe
University of Utah
Department of Mathematics, 110 LCB
155 S 1400 E RM 233
Salt Lake City, UT 84112-0090
USA
Tel: +1 801 581 5254
FAX: +1 801 581 4148
E-mail: beebe@math.utah.edu, beebe@acm.org,
beebe@computer.org (Internet)
WWW URL: http://www.math.utah.edu/~beebe/
18 September 2020
Version 1.43

Title word cross-reference

1 [ZCT+14]. 18 [Tal99]. 2 [IN07, ZCT+14]. 24 [BB16, CKM+16]. 3
[IN07, LZLX10]. 8 [BB16, Via16]. E8 [CKM+19]. N
[CGV+03, CF10, Hau91, Hau95]. R4 [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].
4th [HY14, IEE07].

6th [BR07].

82 [TS10b]. 88 [Mus98].

95g [Hsi95].


C [Hsi95, Lag11b, Oes00, TL06]. calculations [CGV*03]. Calculemus [CAL*13]. Canberra [MS02]. Cannonballs [Hal00]. Carroll [Fea10]. cases [Hal06b]. Cavity [RZ12]. centered [GJT12, Kun92]. cercles [Ber93].

Dilemma [Bun06]. Dimension
[Hau95, CKM+16, Hau91, Oes00, PZ06, Via16]. dimensional
[AH75, Ano97, Kla19, Lee67a, Lee69, Mus97, Mus98, Oes00, Rén58, SDST06, ZCT+14, vMFC09]. Dimensions
[CS95, Max91, BB16, B508, CGV+03, Hal93, SST08, TUS06], dimer
[Bra95, DT05a, DT05b, LJ13]. dynamics-based [LJ13].

[BR03, Gen04, CF10, JT85, TJ12]. equations [BDH+05]. 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, B’04, PKC16, TGW98, Lep97]. finiten
[Lep97]. first [Bra95]. Five [Lee67a, Cas01]. fluids [ZBT+99]. Flyspeck
[NBS06, Ada14, NBS07, ON09, TKUG13]. Flyspecking [Ada14]. Foams
[Kla00]. force [Zau16]. foreword [TL06]. Formal
[BB14, Hal08, Hal12, Har08, TKUG13, HAB+15]. Formalizing [Hal04]. Formally [AH14]. formation [Hsi01]. 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].
generation [TS01]. generative [Hal01b]. Generators [Mar85].
Geometrical [vMFC09, HL03]. Geometry [ACM01, GW93, Zon96, dGMMD14, BR07, Gar01a, Gav08, Grün07, Hsi93a, Hsi94, ZD96].
gometry-based [Gav08]. Geometry [ACM01, GW93, Zon96, dGMMD14, BR07, Gar01a, Gav08, Grün07, Hsi93a, Hsi94, ZD96].

Glamorgan [IEE07]. Globally [PKC16]. golden [HST10]. graphs [Hal06d, NBS06, NBS07]. Grassmann [BN00, BN02, BN05, Hen95].

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, HAE11, PZ06, TS01, TUS06, TS10a, TS10b, TJD12, ZBT99, vMFC09]. Hard-particle [TS01, TS10a, TS10b]. Hard-sphere [RT98, DTSC04, ZBT99]. HCP [Sch00]. Held [CAL13, Hil00, Hil01]. Help [Ano99, Gar12]. Help [Szp03a]. Heuristics [SBH07]. high [SST08, SDST06, TUS06].

higher [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].


Intelligencer [Hsi95]. Intelligent [CAL13]. interdimensional [Ano97, Mus97, Mus98]. Interface [Bil85]. International [FVJT10, FS07, HY14, IEE07, STDH02, SBH07, BR07, HM05, SBG04, Hil00, Hil01].

internationalen [Hil00, Hil01]. interpolation [CKM19]. Interval [Ano99]. Introduction [MT02b]. Isabelle [Obu05]. Isabelle/HOL [Obu05].

Isoperimetric [Bez97]. isostaticity [JT11]. Israel [AL01]. ISVD [IEE07]. IV [Hal06c].

Jammed [TS10a, DCST07, JT11, TS01, TS10b]. jamming [DTSC04, SAF10]. Japan [FVJT10]. Jerusalem [AL01]. Joint [FS07, MS02]. July [AL01, CAL13]. June [ACM01].

Kepler [Hsi95, TS10b, TL06, Ano99, BB14, Bezl3, Bra95, Gar12, Hal94].

Geometrical [vMFC09, HL03]. Geometry [ACM01, GW93, Zon96, dGMMD14, BR07, Gar01a, Gav08, Grün07, Hsi93a, Hsi94, ZD96].

gometry-based [Gav08]. Geometry [ACM01, GW93, Zon96, dGMMD14, BR07, Gar01a, Gav08, Grün07, Hsi93a, Hsi94, ZD96].

Glamorgan [IEE07]. Globally [PKC16]. golden [HST10]. graphs [Hal06d, NBS06, NBS07]. Grassmann [BN00, BN02, BN05, Hen95].

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, HAE11, PZ06, TS01, TUS06, TS10a, TS10b, TJD12, ZBT99, vMFC09]. Hard-particle [TS01, TS10a, TS10b]. Hard-sphere [RT98, DTSC04, ZBT99]. HCP [Sch00]. held [CAL13, Hil00, Hil01]. Help [Ano99, Gar12]. Help [Szp03a]. Heuristics [SBH07]. high [SST08, SDST06, TUS06].

higher [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].


Intelligencer [Hsi95]. Intelligent [CAL13]. interdimensional [Ano97, Mus97, Mus98]. Interface [Bil85]. International [FVJT10, FS07, HY14, IEE07, STDH02, SBH07, BR07, HM05, SBG04, Hil00, Hil01].

internationalen [Hil00, Hil01]. interpolation [CKM19]. Interval [Ano99]. Introduction [MT02b]. Isabelle [Obu05]. Isabelle/HOL [Obu05].

Isoperimetric [Bez97]. isostaticity [JT11]. Israel [AL01]. ISVD [IEE07]. IV [Hal06c].
Lagerung [Gro62, Min04]. Lagerungen [Tót53, Tót72]. large [PZ06].
Lattice
[EH18, BH00, EDM09, Gro62, Hoy70, KGT15, KK90, Lee67a, Lee69, Min04].
lattice-Boltzmann [KGT15]. Lattices
[CS18, AS12, Che13, CKM19, CS93, CS99, Kla19]. Laying [Rog68].
Least [Hsi01]. Lecture [Hil00, Hil01]. Leech [CKM19]. Lewis [Fea10].
Light [Har13, KU13]. Linear
[Hil10, AGMW13, DTS04, Gro62, Obu05, ON09]. Liquid [MT02b]. list
[Hil00, KGT15]. LMS [ANO20b]. Local
[Mud93, Str28, SBH07, Tót10, Lag02]. Locations [Wan00]. loci [Str28].
logics [HM05, SBG04]. long [JT11]. long-range [JT11]. lot [AW10]. Low
[CS95]. Lower [HST10, TS06, AF06].

M [Fea10]. Magic [Kla19]. Manifold [BN05, BN02]. Manifolds
[BN00, Hen05]. many [NIS14]. March [Bil85]. Marsaglia [AW10].
Massachusetts [ACM01]. matching [AL01]. Math [Kla19, Mus98, Szp03a].
Math. [Hsi95]. Mathematical [Bun06, Cas01, Coh09, KGT10, Hil00, Hil01, Hil02, Fea10, Bra95, FVJT10, HY14]. Mathematicians
[Hil00, Hil01, Kla19]. Mathematics
[Dav05, Pit19, Szp03b, AH14, Avi19, CAL13, Gar12, TKUG13, Gar12].
Mathematik [Gar12]. Mathematiker [Hil00, Hil01].
Mathematiker-Kongreß [Hil00, Hil01]. Mathematische [Hil00, Hil01].
Matrix [HSP00]. Max [Wan00]. Maximal [Oes00, HST10]. maximale
[Oes00]. Maximally [JT11]. Maximum [BK10, BKM91, LZX10]. mean
[XGW13]. meaning [HL03]. mechanization [AVI19]. Medford [ACM01].
Medial [Wan00]. Meets [Rad04, LTU00]. metastable [RT98]. method
[AGMW13, LZX13]. Min [Wan00]. Min-Max [Wan00]. minds [Szp03a].
Minimal [CGV03, CF10]. Minimizing [BS08]. minimum [BK10].
modeling [ZSB07]. molecular [DTS05a, DTS05b]. most [Cas01].
misstquences [Cas01]. MR1281754 [Hsi95]. MRT [KGT15]. MRT/TRT
[KGT15]. Multi [IN07]. Multi-sphere [IN07]. Multiple [Bil99].
Multiplicity [TS01]. multiscale [Zau16]. myriad [Kla19]. Mysteries
[LZ12].
Natural [Bra95]. Neighbor [DTS05a, DTS05b]. Netherlands [STDH02].
Networks [Cor02]. Neural [Cor02]. News [Edw16]. Newton [Bra95, HL03].
Nive [Kep11]. no [Hsi95]. non [AGMW13, Lee67a, Lee69]. non-lattice
[Lee67a, Lee69]. non-linear [AGMW13]. nonspherical
[DTS05a, DTS05b, DCST07, TJ12]. Note [TS10b]. Notes [Lee67b].
Number [Mar85, Gar01a, Tal99]. Numbers [Hau95, Hau91, Zon96].
Numerical [AH75, Gar12, KGT15]. numerische [Gar12].

object [BS08]. objects [LZLX10]. octahedra [GEK11]. oldest [Szp03a].
One [CM00, Kla95, Ren58, Szp03a]. one-dimensional [Ren58].
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]. Orbs [Rad04]. Order [XGW13, WS20b, 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, Bl09, B’04, BR03, Che08b, Che08a, CM00, CJS92, Coh17,
CT06, Cor02, Cor01, EIH18, Gar01b, Gil79, HSP00, Hau91, Hau95, He17,
He19, IN07, Kup07, LZ12, MT02a, Max91, MPS +16. Rad04. Rog64, SHW09,
Sch79, SDST06, TGW99, TK93, Wan99, Wan00, ZBT +99, Zin94, AV10,
AH75, AS12, Ano97, BCR83, BB14, BB16, Ber93, BS08, BSt0, CHH +01,
CK91, CKM +16, DFM17, EDM09, Fae10, GEK11, Hal92, Hen05, Hig61,
HST10, Hoy70, Hsi93b, Hsi93c, Hsi01, JT85, LTU00, LZLX10, LJ13, LMX19,
Mar11, Min04, Mus97, Mus98, Oes00, RZ12, Sah06, Sch06, Sol67,
Tan79, Via16, Wex09, XLMQ20, XGW13, ZSRB07, ZBT +99, ZCT +14, Zon13].

Packings [AM07, AGM08, AMB11, BW01, BN00, BN05, BH98, BCG98,
CE03, CS +88, CS95, FS11, Gen04, GORT02, Hal97b, Hal97c, Hal06c, Hal12,
HC16, Mud93, MVG05, PKC16, TS06, T0j9a, T0j9b, BK10, BN02, BH00,
Bez06, CRCS20, CEG10, Che10, CS +93, CS99, DTSC04, DCST04, DCST07,
Fer06, Hal93, Hal97a, Hal01b, Hal06b, Hal06d, JST09, JT11, KEG09, KEG10,
KGT15, KJ92, KK90, Lag02, Lee64, Lee67a, Lee67b, Lee69, LS11, Lp97,
MPS02, PZ06, SST08, She19, Slo81, Szi93, Tho79, Tho83, TS01, TJ09c,
TJ09b, TJ10a, TJ10b, TS01a, TS01b, TJ12, VGO1, Zau16, ZT99]. packs
papers [BR07]. paquets [Ber93]. paradoxes [Gar01a]. Parallel [BKM91].
parametric [Sch00]. Paris [Hil00, Hil01]. Park [SBG04]. parking [AW10].
part [CAL +13, STDH02]. Particle [XGW13, TS01, TS01a, TS01b].
particles [DTS05a, DTS05b, DCST07, TJ12]. Partitioning [CJS92].
pattern [AL01]. patterns [Ano97, Mus97, Mus98]. Penrose [Rad04].
Pentahedral [Fer06]. Perfect [AW00, AS12]. perimeter [CGV +03, CF10].
phases [HAEK+09], phenomena [ZD96]. Philosophy [Bra95]. Phys
[T50b]. physical [HL03]. Physics [MT02b, Coh09]. picturebook [Che10].
plane [BS70, KK90, Tö03, Tö72]. Planning [Wan99]. Platonic
[BT10, JT11, SAF10, TJ09c, TJ09b]. pokrytije [Rog68].
polydisperse [ZBT+99]. polyhedra [GJT12, TJ09b]. polyhedron [AF06].
Polyhedral [MT02b, Coh09]. picturebook [Che10].
plane [BS70, KK90, Tö03, Tö72]. Planning [Wan99]. Platonic
[BT10, JT11, SAF10, TJ09c, TJ09b]. pokrytije [Rog68].
polydisperse [ZBT+99]. polyhedra [GJT12, TJ09b]. polyhedron [AF06].

T. [Hsi95]. Tables [Slo81]. Tame [Hal06d, NBS06, NBS07]. taxonomy [CRCS20]. templates [AGM13]. Tessellations [GORT02, GJT12]. test
REFERENCES

[AW10, AH75, DTSC04]. Tetraeder [Gro62]. Tetrahedra
[AM07, Che08b, CT06, LZ12, CEG10, GEK11, Gro62, HAEK+09, HAEG11, 
Hoy70, KEG09, KEG10, Sen81, Tal99, TJ10b, Zon96, Zon13], tetrahedral
[Che10]. Tetrahedron [TJ09a, Bal11]. Them [Kla19]. theorem
[VG01, HM05, SBG04]. Theoretical [BCR83]. Theorie [Lep97]. Theory
[HSP00, Har13, EDM09, Gar01a, Har08, Lep97, XGW13]. Thermodynamics
Thomas [Ano20a, TL06, Lag11b, Oes00, Ste99]. Three [HS14, Hal93].
Three-sphere [HS14]. tight [Coh09]. Tiling [CT06]. Tilings
[Rad04, GJT12]. Time [MPS+16, Cas01]. topics [Gar01a]. topology
[Gar01a]. tori [Kun92]. TPHOLs [HM05, SBG04]. transitive [MPS02].
transitiven [MPS02]. translation [Bra95]. translatives [Tal99, Zon13].
Treatment [Wan99]. Triangulations [dGMTMD14]. TRT [KGT15].
Twisted [Gil79]. two [AH75, CGV+03, Kla19]. two-dimensional [AH75].
type [Hsi01]. typological [Ano97, Mus97, Mus98].

UK [CAL+13, HM05, IEE07]. Ukladki [Rog68]. Underconstrained
[BBC98]. units [KEG09, KEG10, Kun92]. Universal [CKM+19].
University [IEE07]. Unusually [DSCT04]. Upper [CE03, GEK11]. USA
[FS07, SBG04, ACM01]. used [Kla19]. Utah [SBG04].

V [Per06]. Validating [Mus00]. Vapnik [Hau91, Hau95]. verification
[Halo2]. verified [AH14]. Vermutung [Hen98, HZ00]. version [Bez13].
verstehen [Gar12]. versus [Sch00]. Very [Bun06]. VI [Hal06d]. via
[BDH+05, GJT12, Sch00]. View [Mar85]. vol [TJ10a]. Volume
[MT02a, BDH+05]. Voronoi [IEE07, AF06, Gav08, GORT02]. Vortrag
[Hil00, Hil01].

WA [FS07]. Wales [IEE07]. Weighted [dGMTMD14]. Which [Sen81].
Whither [Dav05]. Wiki [TKUG13]. Window [Zon06]. Winners [Ano20b].
Workshop [SBH07, BR07]. world [Sz03a]. Writing [Pit19].
Wurstkatastrophen [Lep97].

XXX [Hal01b].

Zeta [HSP00]. Zur [Lep97].

References

on Computational Geometry (SCG’01): June 3–5, 2001, Medford,
REFERENCES


REFERENCES


[Ano20a] Anonymous. Dr. Thomas Hales awarded Senior Berwick Prize. University of Pittsburgh Department of Mathematics Web press
Anonymous:2020:LPW


Andreano:2012:RPL


Avigad:2019:MM


Aste:2000:PPP


Agapie:2010:RPH


Boroczky:2004:FPC

REFERENCES


[BDH+05] Ján Busa, Jozef Dzurina, Edik Hayryan, Shura Hayryan, Chinkun Hu, Ján Plávka, Imrich Pokorný, Jaroslav Skrivánek, and


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


[DTS05b] Aleksandar Donev, Salvatore Torquato, and Frank H. Stillinger. Neighbor list collision-driven molecular dynamics simulation for
REFERENCES


REFERENCES


Page 135 mentions a conjecture by Stan Ulam in 1972 that “the maximal density (≈ 0.74048) for packing congruent spheres is smaller than that for any other convex body” [LZ12, page 1547].
REFERENCES


Hales:2015:FPK


Haji-Akbari:2011:PDH


Haji-Akbari:2009:DQC


Hales:1992:SPP


Hales:1993:RDS


Hales:1994:SKC

REFERENCES


[Hal01b] Thomas C. Hales. Sphere packings and generative [XXX?]. In ACM [ACM01], page 69. ISBN 1-58113-357-X. LCCN ???.


Thomas C. Hales. A proof of the Kepler Conjecture. *Annals of Mathematics (2)*, 162(3):1065–1185, 2005. CODEN ANMAAH. ISSN 0003-486X (print), 1939-8980 (electronic). This proof is so complex that twelve journal referees were unable to verify it between its submission in 1998 and publication seven years later, so the editors decided to publish the article with a disclaimer about the lack of proof verification; see [Mor05] for more on this paper, and the associated book [Szp03a].


REFERENCES


[Hil00]  David Hilbert. Mathematische Probleme. Vortrag, gehalten auf dem internationalen Mathematiker-Kongreß zu Paris 1900. (German) [mathematical problems: Lecture held at the International Mathematicians Congress in Paris 1900]. *Götting. Nachr.*, ??(??): 253–297, ???. 1900. This is the paper in which Hilbert lays out his now-famous list of 20 (revised to 23 in 1901) challenging problems for mathematicians to address in the 20th Century. Reprinted in [Hil01]. English translation in [Hil02, Hil00].
REFERENCES


Hales:2010:DC


Hoylman:1970:DLP


Hu:2014:RKP


Hsiang:1993:GS


Hsiang:1993:SPPa


Hsiang:1993:SPPb


Hsiang:1994:GS

REFERENCES


[HZ00] Martin Henk and Günter M. Ziegler. Kugeln im Computer—die Kepler-Vermutung. (German) [Spheres in the computer — the Ke-
pler conjecture]. In Alles Mathematik. (German) [All mathematics], pages 121–143. Friedrich Vieweg und Sohn, Braunschweig, Germany, 2000.


Joswig:2012:KHB

Joswig:2012:KHB


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES

Li:2000:BAF

Lagarias:2012:MPR

Li:2010:MPD

Marsaglia:1985:CVR

Marchal:2011:SKC

Mathe:1993:KG

Max:1991:CAS
REFERENCES

Minkowski:1904:DGL

[Min04] H. Minkowski. Dichteste gitterförmige Lagerung kongruenter Körper. (German) [Closest lattice packing of congruent bodies]. Nachr. K. Ges. Wiss. Göttingen, ??(??):311–355, ???? 1904. The ‘proof’ of a packing theorem in this paper was later shown to be wrong; see [LZ12, pages 1543–1544].

Morgan:2005:BRB


Molnar:2002:BTO


Miyazawa:2016:PT


McKay:2002:AAA

REFERENCES


REFERENCES


REFERENCES


**Radin:2004:OOS**  

**Rényi:1958:ODP**  

**Rogers:1964:PC**  

**Rogers:1968:UPR**  

**Rintoul:1998:HSS**  

**Ramezanpour:2012:CAS**  

**Smith:2010:AJS**  
(Statistical physics, plasmas, fluids, and related interdisciplinary topics), 82(5 (part 1)):051304, November 2010. CODEN PLEEE8. ISSN 1550-2376.


Schurmann:2006:PSC


Skoge:2006:PHH


Steele:1992:PA


Senechal:1981:WTF


Sheydvasser:2019:QOS


Schiftner:2009:PCS


Sloane:1981:TSP

REFERENCES

1981. CODEN IETTAW. ISSN 0018-9448 (print), 1557-9654 (electronic).


REFERENCES


[Tal99] István Talata. The translative kissing number of tetrahedra is 18. Discrete and Computational Geometry, 22(2):231–248, September
Tanemura:1979:RCP


Toth:1989:FSP


Trovato:2007:SSO


Thompson:1979:ECC


Thompson:1983:ECC


Torquato:2009:ACF


Torquato:2009:DPPb


REFERENCES


[Tót53] L. Fejes Tóth. Lagerungen in der Ebene, auf der Kugeln und im Raum. (German) [Ball deposits in the plane and in space], volume 65 of Grundlehren der mathematischen Wissenschaften in Einzeldarstellungen mit besonderer Berücksichtigung der Anwendungsgebiete. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., 1953. x + 197 pp. See also second edition [Tót72].


Torquato:2006:NCL


Torquato:2010:JHP


Torquato:2010:PNJ


Torquato:2006:RSA


Verger-Gaugry:2001:RSP


REFERENCES

Xu:2013:PPM

Xiong:2020:SPD

Zauner:2016:AFF

Zhang:1999:OPP

Zhang:2014:OAS

Zong:1996:SPC
Chuanming Zong and James Joseph Dudziak, editors. *Strange phenomena in convex and discrete geometry*. Universitext. Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London,
REFERENCES


[ZSRB07] Luca Zammataro, Guido Serini, Todd Rowland, and Federico Bussolino. Embryonic cleavage modeling as a computational approach...