

## L I T E R A T U R

- [ 1 ] Alexandrov, A.D.                    Konvexe Polyeder  
VEB Verlag 1958, Berlin
- [ 2 ] Alexander, J.R.                    On the sums of distances between points on a sphere  
Acta Math. Acad. Sci. Hung. 23 (1972), 443-448
- [ 3 ] Berman, J.D.; Hanes, K.            Volumes of polyhedra inscribed in the unit sphere in  $E^3$   
Math. Ann. 188 (1970), 78-84
- [ 4 ] Berman, J.D.; Hanes, K.            Optimizing the Arrangement of points on the Unit Sphere  
Math. Comp. 31 (1977), 1006-1008
- [ 5 ] Bigalke, H.G.                    Kugelgeometrie  
Otto-SalleVerlag, Verlag Sauerländer,  
Frankfurt a.M., 1984
- [ 6 ] Blaschke, W.                    Kreis und Kugel  
Veit, Leipzig; de Gruyter, Berlin 1956
- [ 7 ] Bonnesen, T.; Fenchel, W.        Theorie der konvexen Körper  
Springer, Berlin 1934
- [ 8 ] Bowen, R.; Fisk, S.                Generation of Triangulations of the Sphere  
Math. Comp. 21 (1967), 250-252
- [ 9 ] Brinkmann, G.; Dress, A.         PentHex Puzzles  
A Reliable and Efficient Top-Down Approach to  
Fullerene-Structure Enumeration  
to appear in: Proc. Nat. Acad. of Science of America
- [10] Brinkmann, G.; Dress, A.         Constructive Enumeration of Fullerene Structures  
to appear in: J.Alg.
- [11] Brückner, M.                    Vielecke und Vielfache  
Teubner, 1900
- [12] Eberhard, V.                    Zur Morphologie der Polyeder  
Teubner, Leipzig 1891
- [13] Edmundson, J.R.                The Distribution of Point Charges on the Surface of a Sphere  
Acta Cryst. A48 (1992), 60-69
- [14] Edmundson, J.R.                The Arrangement of Point Charges with Tetrahedral and  
Octahedral Symmetry on the Surface of the Sphere with  
Minimum Coulombic Potential Energy  
Acta Cryst. A49 (1993), 648-654

- [15] Engel, P. On the Enumeration of Polyhedra  
Discrete Math. 41 (1982), 215-218
- [16] Federico, P.J. Polyhedra with 4 to 8 faces  
Geom. Ded. 3 (1975), 469-481
- [17] Fejes-Tóth, L. Reguläre Figuren  
Budapest, 1965
- [18] Fejes-Tóth, L. Lagerungen in der Ebene, auf der Kugel und im Raum  
zweite Auflage: Springer, Berlin- Heidelberg 1972
- [19] Fejes-Tóth, G. Kreisüberdeckungen der Sphäre  
Stud. Sci. Math. Hung. 4 (1969), 225-247
- [20] Florian, A. Extremum Problems for Convex Discs and Polyhedra  
Handbook of Convex Geometry A (1993), 177-221
- [21] Föppl, L. Stabile Anordnung von Elektronen im Atom  
J. Reine Angew. Math. 141 (1912), 251-302
- [22] Fricke, A. Der Punkt kleinster gewichteter Entfernungssumme  
von gegebenen Punkten.  
Der Mathematik-Unterricht 30 (1984), Heft 6, 22-37
- [23] Goldberg, M. The Isoperimetric Problem for Polyhedra  
Tôhoku Math. J. 40 (1935), 226-236
- [24] Goldberg, M. Axially Symmetric Packing of Equal Circles on a Sphere  
Ann. Univ. Sci. Budapest. Eötvös. 10 (1967), 37-48
- [25] Goldberg, M. Stability configurations of electrons on a sphere  
Math. Comp. 23 (1969), 785-786
- [26] Götz, W. Behandlung von vier Extremwertaufgaben mit  
rechnungsarmer Vektoranalysis  
Praxis der Mathematik 25 (1983), no 6, 170-173
- [27] Grace, D.W. Search for largest polyhedra  
Math. Comp. 17 (1963), 197-199
- [28] Grünbaum, B. ; Klee, V. Convex Polytopes  
Pure and Applied Mathematics 16  
New York, 1967
- [29] Grünbaum, B.; Motzkin, T.S. The Number of Hexagons and the Simplicity of  
Geodesic on Certain Polyhedra  
Canad. J. Math. 15 (1963), 744-751

- [30] Hadwiger, H. Vorlesungen über Inhalt, Oberfläche und Isoperimetrie  
Springer, Berlin-Göttingen-Heidelberg 1957
- [31] Kirkman, T.P. On the enumeration and construction of polyhedra whose  
summits are all triedral, and which have neither triangle  
nor quadrilateral  
Proc. Lit. Phil. Soc. Liverpool 37 (1883), 49-67
- [32] Leech, J. Equilibrium of Sets of Particles on a Sphere  
Math. Gaz. 41 (1957), 81-90
- [33] Leichtweiß, K. Konvexe Mengen  
Hochschultexte zur Mathematik  
Springer, Berlin 1980
- [34] Lindelöf, L. Propriétés générales des polyèdres qui, sous une étendue  
superficielle donnée, renferment le plus grand volume.  
Bull. Acad. Sci. St. Petersburg 14 (1869), 257-269  
Math. Ann. 2 (1870), 150-159
- [35] Litvin, D.B. The Icosahedral Point Group  
Acta Cryst. A47 (1991), 70-73
- [36] Makeev, V.V. Incubed and Circumscribed Polyhedra of a  
Convex Body and Related Problems  
Matematicheskije Zametki 51 (1992), 67-71  
Math. Notes 51 (1992), 469-472
- [37] Melnyk, T.W.; Knop, O. Smith W.R. Extremal Arrangements of Points and Unit Charges  
on a Sphere: Equilibrium Configurations Revisited  
Can. J. Chem. 55 (1977), 1745-1761
- [38] Minkowski, H. Allgemeine Lehrsätze über die konvexen Polyeder.  
Nachr. Wiss. Göttingen. Math-phys. Kl. 198-219  
Ges. Abh., Teubner, Leizig (1911), Vol 2 , 103-121
- [39] Minkowski, H. Volumen und Oberfläche  
Math. Ann. 57, 1903, pp.447-495  
Ges. Abh., Teubner, Leizig (1911), Vol 2 , 230-276
- [40] Munera, H.A. Properties of discrete electrostatic systems  
Nature, 320 (1986), 597-600
- [41] Roberts, A.W; Varberg, D.E. Convex Functions  
Academic Press, New York, London 1973
- [42] Schütte, K. Überdeckung der Kugel mit höchstens acht Kreisen  
Math. Ann. 129 (1955), 181-186

- [43] Sigl, R. Ebene und Sphärische Trigonometrie  
H.Wichmann-Verlag, Karlsruhe, 1977
- [44] Steinitz, E. Über isoperimetrische Probleme bei konvexen Polyedern I, II.  
J.reine angew. Math. 158 (1927), 129-153  
J.reine angew. Math. 159 (1928), 133-143
- [45] Steinitz, E.; Rademacher, H. Vorlesungen über die Theorie der Polyeder  
Springer, Berlin, 1934
- [46] Stolarsky, K.B. The Sum of the Distances to N Point on a Sphere  
Pac. J. Math. 57 (1975), 563-573
- [47] Stolarsky, K.B. The Sum of the Distances between Points on a Sphere  
Proc. Amer. Math. Soc. 41 (1973), 572-582
- [48] Strubecker, K. Einführung in die Höhere Mathematik IV  
R.Oldenbourg-Verlag, München-Wien 1984
- [49] Tarnai, T.; Zs. Gáspár Multisymmetric Close Packing of Equal Circles on a Sphere  
Acta Cryst. A43 (1987), 612-616
- [50] Tarnai, T.; Zs. Gáspár Covering a Sphere by Equal Circles and  
the Rigidity of its Graph  
Math. Proc. Camb. Phil. Soc. 110 (1991), 71-90
- [51] Taranai, T; Wenninger M.J. Spherical Circle Coverings and Geodesic Domes  
Structural Topology 16 (1990), 5-21
- [52] Walser, H. Reguläre Kreis-Netze  
Did. d. Math. 3, Bd. 2 (1975), 121-133
- [53] Weinrach, J.B.; Carter, K.L.; Bennett, D.W. Point Charge Approximations to a  
Spherical Charge Distribution  
J. Chem. Education 67 (1990), 995-999
- [54] Whyte, L.L. Unique Arrangement of Points on a Sphere  
Amer. Math. Monthly 59 (1952), 606-611
- [55] Zuber, R. Die Sätze der Kugelgeometrie vektoriell  
Praxis d. Math. 2 (1960), 262-264