

References

- [A1] B. Alspach and C. Q. Zhang, Hamilton cycles in cubic Cayley graphs on dihedral groups. *Ars Combinat.* 28(1989), 101 – 108.
- [A2] R. Artzy, Self-dual configurations and their Levi graphs. *Proc. Amer. Math. Soc.* 7(1956), 299 – 303.
- [A3] J. Ashley, B. Grünbaum, G. C. Shephard and W. Stromquist, Self-duality groups and ranks of selfdualities. *Applied Geometry and Discrete Mathematics: The Victor Klee Festschrift*, P. Gritzmann and B. Sturmfels, eds. DIMACS Series in Discrete Mathematics and Theoretical Computer Science, Vol. 4, pp. 11 - 50. Amer. Mathematical Society 1991.
- [B1] A. T. Balaban, Trivalent graphs of girth nine and eleven and relations among cages. *Rev. Roumaine Math. Pure Appl.* 18(1973), 1033 – 1043.
- [B2] P. Barbin, Georges Brunel. *Enseignement Math.* 3(1901), 237 – 239.
- [B3] L. W. Berman, A characterization of astral (n_4) configurations. *Discrete Comput. Geom.* 26 (2001), no. 4, 603--612.
- [B4] L. W. Berman, Astral Configurations. PhD thesis, Univ. of Washington, Seattle 2002.
- [B5] L. W. Berman, Even astral configurations. *Electron. J. Combin.* 11 (2004), Research Paper 37, 23 pp. (electronic).
- [B6] L. W. Berman, Some results on odd astral configurations. *Electron. J. Combin.* 13(2006), Research Paper 27.
- [B7] L. W. Berman, Movable (n_4) configurations. *Electron. J. Combin.* 13(2006), Research Paper 104. [1.5.6]
- [B8] L. W. Berman, Symmetric simplicial pseudoline arrangements. *Electr. J. Combinatorics* 15(2008), #R13.
- [B9] L. W. Berman, Astral (n_4) configurations of pseudolines. Preprint, April 2007.
- [B10] L. W. Berman, A new class of movable (n_4) configurations. Preprint, July 2007.
- [B11] L. W. Berman and J. Bokowski, Astral (n_5) configurations. *Europ. J. Combinatorics* (to appear).

- [B12] I. W. Berman, J. Bokowski, B. Grünbaum and T. Pisanski, Geometric "floral" configurations. *Canad. Math. Bull.* (submitted).
- [B13] A. Betten and D. Betten, Tactical decompositions and some configurations v_4 . *J. Geom.* 66(1999), 27 – 41.
- [B14] A. Betten, G. Brinkmann and T. Pisanski, Counting symmetric configurations v_3 . *Discrete Appl. Math.* 99(2000), 331 – 338.
- [B15] D. Betten and U. Schumacher, The ten configurations 10_3 . *Rostock Math. Kolloq.* 46(1993), 3 – 10. [1.2.2]
- [B16] M. Boben, Uporaba teorije grafov pri kombinatornih in geometričnih konfiguracijah. (In Slovenian) [The use of graph theory in the study of combinatorial and geometric configurations]. PhD. thesis, University of Ljubljana, November 2003.
- [B17] M. Boben, Irreducible (v_3) configurations and graphs. *Discrete Math.* 307(2007), 331-344.
- [B18] M. Boben, B. Grünbaum and T. Pisanski, What did Steinitz prove in his Thesis? (In preparation)
- [B19] M. Boben, B. Grünbaum, T. Pisanski and A. Zitnik, Small triangle-free configurations of points and lines. *Discrete and Computational Geometry* 35(2006), 405 – 427.
- [B20] M. Boben and T. Pisanski, Polycyclic configurations. *Europ. J. Combin.* 24(2003), 431 – 457. [1.5.6] [1.6.5]
- [B21] J. Bokowski, Computational Oriented Matroids. Cambridge Univ. Press 2006. [1.4.7]
- [B22] J. Bokowski, B. Grünbaum and L. Schewe, Topological configurations (n_4) exist for all $n \geq 17$. *Europ. J. Combinatorics* (to appear).
- [B23] J. Bokowski and L. Schewe, There are no realizable 15_4 - and 16_4 -configurations. *Rev. Roumaine Math. Pures Appl.* 50(2005), no. 5-6, 483 – 493.
- [B24] J. Bokowski and L. Schewe, On the finite set of missing geometric (n_4) configurations. (In preparation)
- [B25] J. Bokowski and B. Sturmfels, Computational Synthetic Geometry. Lecture notes in Mathematics #1355, Springer, New York1989. [1.2.2] [1.2.6] [1.3.8] [1.4.7]

- [B26] G. Bol, Beantwoording van Prijsvraag no. 17, 1931. Nieuw Archief voor Wiskunde (2)18, 14 – 66 (1933).
- [B27] P. B. Borwein and W. O. J. Moser, A survey of Sylvester's problem and its generalizations. *Aequat. Math.* 40(1990), 111 – 135. [I.1.7] [I.1.8]
- [B28] P. Brass, W. Moser and J. Pach, Research Problems in Discrete Geometry. Springer, New York 2005. [I.1.3] [I.1.7] [I.1.8]
- [B29] R. A. Brualdi, Introductory Combinatorics. 4nd ed. Prentice Hall, Englewood Cliffs, NJ 2004.
- [B30] G. Brunel, Polygones autoinscrits. . Proc. Verb. Séances Soc. Sci. phys. nat. Bordeaux, 1895/96, pp. 35 – 39.
- [B31] G. Brunel, Polygones à autoinscription multiple. Proc. Verb. Séances Soc. Sci. phys. nat. Bordeaux, 1897/98, pp. 43 – 46. [I.2.4]
- [B32] W. Burnside, On the Hessian configuration and its connection with the group of 360 plane collineations. *Proc. London Math. Soc.* (2) 4(1907), 54 – 71.
- [B33] S. A. S. A. Burr, B. Grünbaum and N.J.A. Sloane, The Orchard Problem, *Geom. Dedicata* 2(1974), 397 – 424. [I.1.8]
- [B34] Bydzovsky, B.: Über eine ebene Konfiguration (124, 163). *Vestník Královské Cesk. Společnosti Nauk. Trída Matemat.-Prírodoved.* 1939, 8 pp. (1940). MR7, 390.
- [C1] H. G. Carstens, T. Dinski and E. Steffen, Reduction of symmetric configurations n_3 . *Discrete Appl. Math.* 99(2000), 401 – 411. Erratum (by E. Steffen, T. Pisanski, M. Boben and N. Ravnik), *ibid.* 154(2006), 1645–1646.
- [C2] W. B. Carver, Proof of the impossibility of the construction of one of the Kantor $(3,3)_{10}$ configurations. *Johns Hopkins Univ. Circ.* 22(1902), No. 160, pp. 3 – 4. [I.2.2]
- [C2*] A. Cayley, Sur quelques théorèmes de la géométrie de position. *J. reine und angew. Math.* 31(1846), 213 – 226 = Collected Mathematical Papers 1, p. 317 –
- [C2**] W. K. Clifford, Synthetic proof of Miquel's theorem. Oxford, Cambridge and Dublin Messnger of Math. 5(1871), 124 – 141.
- [C3] A. M. Cohen and J. Tits, On generalized hexagons and a near octagon whose lines have three points. *Europ. J. Combinat.* 6(1985), 13 – 27.
- [C4] J. Colannino, Circular and modular Golomb rulers. (2003)
<http://cgm.cs.mcgill.ca/~athens/cs507/Projects/2003/JustinColannino/#References>

- [C5] H. S. M. Coxeter, Configurations and maps. Reports of a Math. Colloq. (2) 8(1949), 18 – 38. [I.2.5] [I.4.2]
- [C6] H. S. M. Coxeter, Self-dual configurations and regular graphs. Bull. Amer. Math. Soc. 56(1950), 413 – 455. (= Twelve Geometric Essays, Southern Illinois Univ. Press, Carbondale, IL 1968 = The Beauty of Geometry, Dover, Mineola, NY 1999. Pp. 106 – 149. [I.2.5] [I.3.4] [I.3.6] [I.4.2]
- [C7] H. S. M. Coxeter, Introduction to Geometry. Wiley, New York 1961. Second ed. 1981. [I.2.1]
- [C8] H. S. M. Coxeter, Desargues configurations and their collineation groups. Math. Proc. Cambridge Philos. Soc., 78(1975), 227 – 246. [I.2.6]
- [C9] H. S. M. Coxeter, The Pappus configuration and the self-inscribed octagon. I, II, III. Nederl. Akad. Wetensch. Proc. Ser. A 80 = Indag. Math. 39(1977), pp. 256 – 269, 270 – 284, 285 – 300. [I.2.6]
- [C10] H. S. M. Coxeter, My graph. Proc. London Math. Soc. (3) 46(1983). 117 – 136. [I.2.6]
- [C11] H. S. M. Coxeter, Twelve Geometric Essays, Southern Illinois Univ. Press, Carbondale, IL, 1968; Second ed, The Beauty of Geometry, Dover, Mineola NY, 1999. [I.2.6]
- [C12] H. S. M. Coxeter and S. L. Greitzer, Geometry revisited. Random House, New York 1967. [I.2.1]
- [C13] T. T. Croft, K. J. Falconer and R. K. Guy, Unsolved Problems in Geometry. Springer New York 1991. [I.1.7] [I.1.8]
- [D1] R. Daublebsky von Sterneck, Die Configurationn 11₃. Monatshefte Math. Phys. 5(1894), 325 – 330 + 1 plate.
- [D2] R. Daublebsky von Sterneck, Die Configurationn 12₃. Monatshefte Math. Phys. 6(1895), 223 – 255 + 2 plates. [I.6.2] [I.6.3]
- [D3] R. Daublebsky von Sterneck, Über die zu den Configurationn 12₃.zugehörigen Gruppen von Substitutionen. Monatshefte Math. Phys. 14(1903), 254 – 260.
- [D4] M. Daven and C. A. Rodger, (k,g)-cages are 3-connected. Discrete Math. 199(1999), 207 – 215.
- [D5] J. de Vries, Über gewisse ebene Configurationen. Acta Math. 12(1888), 63 – 81.

- [D6] J. W. Di Paola and H. Gropp, Hyperbolic graphs from hyperbolic planes. *Congressus Numerant.* 68(1989), 23 – 44. [I.4.2] [I.4.3] [I.7.9] [I.7.10]
- [D7] J. W. Di Paola and H. Gropp, Symmetric configurations without blocking sets. *Mitt. Math. Seminar Giessen* 201(1991), 49 – 54.
- [D8] I. V. Dolgachev, Abstract configurations in algebraic geometry. *Proc. Fano Conference*, Torino 2002, A. Collino, A. Conte and M. Marchisio, eds. Torino 2004, pp.423 – 462. [I.2.2]
- [D9] H. L. Dorwart, *The Geometry of Incidence*. Autotelic Instructional Materials Publishers, New Haven CT, 1966. [I.2.5]
- [D4] H. L. Dorwart and B. Grünbaum, Are these figures oxymora? *Mathematics Magazine* 65(1992), 158 - 169.
- [D6] P. Duhem, Notice sur la vie et les travaux de Georges Brunel (1856 – 1900). *Mémoirs soc. sci. phys. et nat. Bordeaux* (6) 2(1903), I – LXXXIX.
- [E1] M. N. Ellingham and J. D. Horton, Non-hamiltonian 3-connected cubic bipartite graphs. *J. Combinat. Theory Ser. B* 34(1983), 330 – 333.
- [E1*] L. S. Evans, Some configurations of triangle centers. *Forum Geometricorum* 3(2003) 49 – 56. [I.3.6]
- [E2] H. Eves, *A survey of Geometry*. Allyn & Bacon, Boston. Vol. 1, 1963; Vol.2, 1965.
- [E4] Epstein pseudolines [I.3.11]
- [F1] G. Fano, Sui postulati fondamentali della geometria proiettiva in uno spazio lineare a un numero qualunque di dimensioni. *Giornale di matematiche* 30(1892), 106 – 132.
- [F2] G. Feigh, Review of [H1]. *Jahrbuch Fortschritte Math.* 58(1932), 597. [I.2.5]
- [F3] H. L. Fu, K. C. Huang and C. A. Rodger, Connectivity of cages. *J. Graph Theory* 24(1997), 187 – 191.
- [G1] J. P. Georges, Non-hamiltonian bicubic graphs. *J. Combinat. Theory B* 46(1989), 121 – 124.
- [G2] D. G. Glynn, On the anti-Pappian 10_3 and its construction. *Geom. Dedicata* 77(1999), 71 – 75. [I.2.2]

- [G3] D. G. Glynn, On the representation of configurations in projective spaces. *J. of Statistical Planning and Inference* 86(2000), 443 – 456.
- [G4] S. W. Golomb, Algebraic constructions for Costas arrays. *J. Combinat. Theory (A)* 37(1984), 13 – 21.
- [G5] S. W. Golomb, Construction of signals with favourable correlation symmetries. *Surveys in Combinatorics 1991*. London Math. Soc. Lecture Notes Series 166, A. D. Keedwell, ed. Cambridge Univ. Press 1991, pp. 1 – 39.
- [G6] J. E. Goodman, Proof of a conjecture of Burr, Grünbaum and Sloane. *Discrete Math.* 32(1980), 27 – 35.
- [G6*] J. T. Graves, On the functional symmetry exhibited in the notation of certain geometrical porisms, when they are stated merely with reference to the arrangement of points. *The London and Edinburgh Philos. Magazine and J. of Science, Ser 3, Vol. 15*(1839), 129 – 136.
- [G7] H. Gropp, “Il methodo di Martinetti” (1887) or Configurations and Steiner systems $S(2, 4, 25)$. *Ars Combinatoria* 24B(1987), 179 – 188.
- [G8] H. Gropp, On the existence and nonexistence of configurations n_k . *J. Combinatorics, Information and System Science* 15(1990), 34 – 48.
- [G9] H. Gropp, Configurations and the Tutte conjecture. *Ars Combinat.* 29A(1990), 171 – 177.
- [G10] H. Gropp, On the history of configurations. *Internat. Sympos. On Structures in Math. Theories*, A. Diez, J. Echeverria and A. Ibarra, eds. Bilbao 1990, pp. 263 – 268.
[1.2.7]
- [G11] H. Gropp, Blocking sets in configurations n_3 . *Mitt. Math. Seminar Giessen* 201(1991), 59 – 72. [1.3.4]
- [G12] H. Gropp, The history of Steiner systems $S(2,3,13)$. *Mitt. Math. Ges. Hamburg* 12(1991), 849 – 861.
- [G13] H. Gropp, Configurations and Steiner systems $S(2,4,25)$ II. Trojan configurations n_3 . *Combinatorics '88*, Vol. 1 (Ravello 1988). Res. Lecture Notes Math., Mediterranean, Rende 1991, pp. 425 – 435.
- [G14] H. Gropp, The construction of all configurations $(12_4, 16_3)$. *Fourth Czechoslov. Symp. on Combinatorics, Graphs and Complexity*, J. Nesetril and M. Fiedler, eds. Elsevier 1992, pp. 85 – 91.

- [G15] H. Gropp, Enumeration of regular graphs 100 years ago. *Discrete Math.* 101(1992), 73 – 85. [1.2.7]
- [G16] H. Gropp, The history of configurations $(12_4, 16_3)$. *Österr. Symp. Math.gesch.* (1992), 6 pp.
- [G17] H. Gropp, Non-symmetric configurations with deficiencies 1 and 2. In "Combinatorics '90", A. Barlotti *et al.*, eds. Elsevier 1992, pp. 227 – 239.
- [G18] H. Gropp, On Golomb birulers and their applications. *Math. Slovaca* 42(1992), 517 – 529.
- [G19] H. Gropp, Configurations and graphs, *Discrete Math.* 111(1993), 269 – 276.
- [G20] H. Gropp, Nonsymmetric configurations with natural index. *Discrete Math.* 124(1994), 87 – 98.
- [G21] H. Gropp, The drawing of configurations. In "Graph Drawing", F. J. Brandenburg, ed. Lecture Notes in Computer Science # 1027, Springer 1995, pp. 267 – 276.
- [G22] H. Gropp, Configurations. CRC Handbook of Combinatorial Designs, C. J. Colbourn and J. H. Dinitz, eds. CRC press, Boca Raton 1996, pp. 253 – 255.
- [G23] H. Gropp, Configurations and graphs – II, *Discrete Math.* 164(1997), 155 – 163.
- [G24] H. Gropp, Blocking set free configurations and their relations to graphs and hypergraphs. *Discrete Math.* 165/166(1997), 359 – 370.
- [G25] H. Gropp, Configurations and their realizations. *Discrete Math.* 174(1997), 137 – 151.
- [G26] H. Gropp, On combinatorial papers of König and Steinitz. *Acta Applicandae Math.* 52(1998), 271 – 276. [1.2.7]
- [G27] H. Gropp, On configurations and the book of Sainte-Laguë. *Discrete Math.* 191(1998), 91 – 99. [1.2.7]
- [G28] H. Gropp, Die Configurationn von Theodor Reye in Straßburg nach 1876. *Mathematik im Wandel*, Math. gesch. Unterr. 3, M. Toepell, ed., Franzbecker, Hildesheim-Berlin 2001, pp. 287 – 301. [1.2.7]

- [G29] H. Gropp, "Réseaux réguliers" or regular graphs---Georges Brunel as a French pioneer in graph theory. 6th International Conference on Graph Theory. *Discrete Math.* 276 (2004), no. 1-3, 219--227. [1.2.7]
- [G30] H. Gropp, Configurations between geometry and combinatorics. *Discrete Appl. Math.* 138(2004), 79 – 88. [1.2.7]
- [G31] H. Gropp, Existence and enumeration of configurations. *Beyreuther Math. Schriften* 74(2005), 123 – 129.
- [G32] H. Gropp, Nonisomorphic configurations n_k , *Electronic Notes in Discrete Math.* 27(2006), 43 – 44. [1.4.3]
- [G33] J. L. Gross, Voltage graphs. *Discrete Math.* 9(1974), 239 – 246. [1.6.5]
- [G34] J. L. Gross and T. W. Tucker, *Topological Graph Theory*. Wiley, New York, 1987. [1.6.5]
- [G35] J. Gross and J. Yellen, *Graph Theory and its Applications*. CRC Press, Boca Raton 1998. [1.6.5]
- [G36] B. Grünbaum, Convex Polytopes. Wiley, New York 1967. 2nd ed. Springer, New York 2003. [1.1.8] [1.2.6] [1.2.7] [1.3.8]
- [G37] B. Grünbaum, The importance of being straight. "Time Series and Stochastic Processes; Convexity and Combinatorics." Proc. Twelfth Bienn. Seminar Canad. Math. Congr., R. Pyke, ed. Canad. Math. Congress, Montreal 1970, pp. 243 – 254. [1.3.11]
- [G38] B. Grünbaum, Notes on configurations. Lectures presented in the "Combinatorics and Geometry" seminar, Univ. of Washington, Seattle 1986.
- [G39] B. Grünbaum, Astral (n_k) configurations. *Geombinatorics* 3(1993), 32 – 37. [1.5.5]
- [G40] B. Grünbaum, Astral (n_4) configurations. *Geombinatorics* 9(2000), 127 – 134. [1.5.5]
- [G41] B. Grünbaum, Which (n_4) configurations exist? *Geombinatorics* 9(2000), 164 – 169.
- [G42] B. Grünbaum, Connected (n_4) configurations exist for almost all n . *Geombinatorics* 10(2000), 24 – 29.

- [G43] B. Grünbaum, Connected (n_4) configurations exist for almost all n – an update. *Geombinatorics* 12(2002), 15 – 23.
- [G44] B. Grünbaum, Small configurations with many incidences. *Geombinatorics* 14(2005), 200 – 207.
- [G45] B. Grünbaum, A 3-connected configuration (n_3) with no Hamiltonian circuit. *Bull. Institute of Combinatorics and Applications* 46(2006), 12 – 26.
- [G46] B. Grünbaum, Configurations of points and lines. The Coxeter Legacy. Reflections and Projections. C. Davis and W. W. Ellers, eds. Amer. Math. Soc., Providence RI 2006, pp. 179 – 225. [1.5.5]
- [G47] B. Grünbaum, Connected (n_4) configurations exist for almost all n — second update. *Geombinatorics* 16(2006), 254 – 261.
- [G48] B. Grünbaum, A catalogue of simplicial arrangements in the real projective plane. Available at: <http://hdl.handle.net/1773/2269>
- [G49] B. Grünbaum, Musings on an example of Danzer's. *Discrete Math.* (to appear).
- [G50] B. Grünbaum and J. F. Rigby, The real configuration (21_4) . *J. London Math. Soc.* (2) 41(1990), 336 – 346. [1.2.6] [1.7.9]
- [H1] P. Hall, On representatives of subsets. *J. London Math. Soc.* 10(1935), 26 – 30.
- [H2] Hesse, O.: Über Curven dritter Ordnung und die Kegelschnitte, welche diese Curven in drei verschiedenen Puncten berühren. *J. reine angew. Math.* 36(1848), 143 – 176.
- [H3] D. Hilbert, The Foundations of Geometry. Authorized translation by E. J. Townsend. Open Court, Chicago 1902. [1.3.3]
- [H4] D. Hilbert and S. Cohn-Vossen, *Anschauliche Geometrie*. Springer, Berlin 1932. English translation: *Geometry and the Imagination*, Chelsea, New York 1952. 2nd ed., Springer, Berlin 1996. [1.2.5] [1.2.6] [1.3.4]
- [H5] M. Hladnik, D. Marusic and T. Pisanski, Cyclic Haar graphs. *Discrete Math.* 244(2002), 137 – 152.
- [I1] D. Ismailescu, Restricted point configurations with many collinear k-tuples. *Discrete Comput. Geom.* 28(2002), 571 – 575. [1.1.7]
- [K1] M. J. Kalaher, Review of [P4]. *Math. Reviews* MR2146456 (2006e:51004). [1.3.12]

- [K2] S. Kantor, Ueber eine Gattung von Configurationn in der Ebene und im Raume. Wien. Ber. LXXX (1879), 227. [1.1.3]
- [K3] S. Kantor, Ueber die configurationen (3,3) mit den Indices 8, 9 und ihren Zusammenhang mit den Curven dritter Ordnung. Wien. Ber. LXXXIV(1881), 915 – 932. [1.2.2]
- [K4] S. Kantor, Die Configurationn (3, 3)₁₀. Wien. Ber. LXXXIV(1881), 1291 – 1314 + plate. [1.2.2] [1.2.3]
- [K5] F. Kárteszi, Su una analogia sorprendente. Ann. Univ. Sci. Budapest. Sect. Math. 29(1986), 257 – 259.
- [K6] L. M. Kelly and W. O. J. Moser, On the number of ordinary lines determined by n points. Canad. J. Math. 10(1958), 210 – 219.
- [K7] L. M. Kelly and R. Rottenberg, Simple points in pseudoline arrangements. Pacif. J. Math. 40(1972), 617 – 622.
- [K8] A. K. Kelmans, Cubic bipartite cyclic 4-connected graphs without Hamiltonian circuits. [In Russian]. Uspekhi Mat. Nauk, 43, no.3, (1988), 181 – 182. English translation: Russian Math. Surveys 43, no.3, (1988), 205 – 206.
- [K9] A. K. Kelmans, Constructions of cubic bipartite 3-connected graphs without Hamiltonian cycles. Amer. Math. Soc. Translations (2) 158(1994), 127 – 140.
- [K10] R. Killgrove, R. Sternfeld and R. Tamez, Quadrangle completions and the anti-Desargues configuration. Congr. Numer. 127(1997), 57 – 66.
- [K11] F. Klein, Ueber die Transformationen siebenter Ordnung der elliptischen Funktionen. Math. Ann. 14(1879), 428 – 471.
- [K12] W. Kocay and R. Szypowski, The application of determining sets to projective configurations. Ars Combinatoria 53(1999), 193 – 207.
- [K13] D. König, Über Graphen und ihre Anwendung auf Determinantentheorie und Mengenlehre. Math. Ann. 77(1916), 453 – 465.
- [L5] E. K. Lampe, Review of [M1]. Jahrbuch Fortschr. Math. 19(1887), 587 – 589.
- [L1] R. Laufer, Die nichkonstruirbare Konfiguration (10₃). Math. Nachrichten 11(1954), 303 – 304. [1.2.2]

- [L2] F. Lazebnik, V. A. Ustimenko and A. J. Woldar, New upper bounds on the order of cages. *Electronic J. Combinatorics* Vol. 4(2) (1997), # R13.
- [L3] F. Levi, *Geometrische Konfigurationen*. Hirzel, Leipzig 1929. [1.2.4] [1.4.1]
- [L4] F. W. Levi, *Finite Geometrical Systems*. University of Calcutta, Calcutta, 1942. [1.4.3]
- [L4*] G. de Longchamps, Note de géometrie. *Nouvelle corresp. Mathémat.* 3(1877), 306 – 312 and 340 – 347.
- [L5*] M. S. Longuet-Higgins, Inversive properties of the plane n-line, and a symmetric figure of 2×5 points on a quadric. *J. London Math. Soc.* (2) 12(1976), 206 – 212.
- [L5**] M. S. Longuet-Higgins and C. F. Parry, Inversive properties of the plane n-line, II: An infinite six-fold chain of circle theorems. *J. London Math. Soc.* (2) 19(1979), 541 – 560.
- [L6] A. Lupinski, K. Petelczyc and K. Prażmowski, Trasses of polygons. *Demonstratio Math.* 40(2007), 419 – 439.
- [M1] V. Martinetti, Sopra alcune configurazioni piane. *Annali di matematica pura ed applicata* (2) 14(1886), 161 – 192.
- [M2] V. Martinetti, Sulle configurazioni piane μ_3 . *Annali di matematica pura ed applicata* (2) 15(1887), 1 – 26.
- [M3] V. Martinetti, Sulle configurazioni n_3 piane, atrigone. *Giornale di Matematiche di Battaglini* 54(1916), 174 – 182.
- [M3*] D. Marusic and T. Pisanski, Weakly flag-transitive configurations and half-arc transitive graphs. *Europ. J. Combinatorics* 20(1999), 559 – 570
- [M4] R. A. Mathon, K. T. Phelps and A. Rosa, Small Steiner triple systems and their properties. *Ars Combinatoria* 15(1983, pp. 3 – 110.
- [M5] N. S. Mendelsohn, R. Padmanabhan and B. Wolk, Planar projective configurations. I. *Note di Matem.* 7(1987), 91 – 112. [1.4.3]
- [M6] N. S. Mendelsohn, R. Padmanabhan and B. Wolk, Designs embeddable in a plane cubic curve. (Part 2 of Planar projective configurations). *Note di Matem.* 7(1987), 113 – 148.
- [M7] N. S. Mendelsohn, R. Padmanabhan and B. Wolk, Straight edge constructions on planar cubic curves. *C. R. Math. Rep. Acad. Sci. Canada* 10(1988), 77 – 82.

- [M8] E. Merlin, Sur les configurations planes n_4 . Bull. Cl. Sci. Acad. Roy. Belg. 1913, 647 – 660. [1.4.6]
- [M9] J. Metelka, On certain $(12_4, 16_3)$ configurations in the plane. [In Czech] Vestník Královské Česk. Společnosti Nauk. Trída Matemat.-Prírodoved. 1944, 8 pp. (1946). MR 7, 390.
- [M10] J. Metelka, Über ebene Konfigurationen $(12_4, 16_3)$. [In Czech, with German and Russian summaries] Casopis pro pestování matematiky 80(1955), 133 - 145. MR 17, 655.
- [M11] V. Metelka, Über gewisse ebene Konfigurationen $(12_4, 16_3)$ welche mindestens einen D-Punkt enthalten. [In Czech, with German and Russian summaries] Casopis pro pestování matematiky 80(1955), 146 - 151. MR 17, 655.
- [M12] V. Metelka, Über ebene Konfigurationen $(12_4, 16_3)$ welche mindestens einen D-Punkt enthalten. [In Czech, with German and Russian summaries] Casopis pro pestování matematiky 82(1957), 385 - 439. MR 20 #1938.
- [M13] V. Metelka, Über ebene Konfigurationen $(12_4, 16_3)$, die mit einer irreduziblen Kurven dritter Ordnung inzidieren. Casopis pro pestování matematiky 91(1966), 261 - 307.
- [M14] V. Metelka, Über gewisse ebene Konfigurationen $(12_4, 16_3)$, die auf den irreduziblen Kurven dritter Ordnung endliche Gruppoide bilden und über die Konfigurationen C_{12} . Casopis pro pestování matematiky 95(1970), 23 - 53. MR 42, #8386.
- [M15] V. Metelka, Über gewisse ebene Konfigurationen $(12_4, 16_3)$ die B-, C- und E-Punkte enthalten und über singuläre Konfigurationen. [In Czech, with German summary] Casopis pro pestování matematiky 102(1980), 219 - 255. MR 82e:51007.
- [M16] V. Metelka, On certain planar configurations $(12_4, 16_3)$ containing B, C and E points, and on singular configurations. [In Czech, with German summary] Casopis pro pestování matematiky 105(1980), 219 - 255. MR 82d:51007.
- [M17] V. Metelka, On two special configurations $(12_4, 16_3)$. [In Czech, with German and Russian summaries] Casopis pro pestování matematiky 110(1985), 351 – 355. MR 87d:51006.
- [M18] D. Michelucci and P. Schreck, Incidence constraints: A combinatorial Approach. Internat. J. Comput. Geom. & Appl. 16(2006), 443 – 460. [1.3.8]

- [M19] N. Miller, Euclid and His Twentieth Century Rivals. Diagrams in the Logic of Euclidean Geometry. Center for the Study of Language and Information, Stanford, CA 2007.
- [M20] A. F. Möbius, Kann von zwei dreiseitigen Pyramiden eine jede in Bezug auf die andere um- und eingeschrieben zugleich heisen? J. reine angew. Math. 3(1828), 273 – 278 = Gesammelte Werke 1(1885), 439 – 446.
- [M21] G. Myerson, Rational products of sines of rational angles. Aequationes Math. 45(1993), 70 – 82.
- [N1] M. H. Noronha, Euclidean and Non-Euclidean Geometries. Prentice Hall, Upper Saddle River, NJ, 2002. [I.3.3]
- [N2] J. Novák, Maximal systems of triples of 12 elements. [Czech, with German summary] 1970 Mathematics (Geometry and Graph Theory) pp. 105 – 110. Univ. Karlova, Prag 1970. MR0277408
- [O1] J. J. O'Connor and E. F. Robertson, Ernst Steinitz. MacTutor History of Mathematics. <http://www-history.mcs.st-andrews.ac.uk/Biographies/Steinitz.html> [I.2.3]
- [O2] M. O'Keefe and P.K. Wong, A smallest graph of girth 10 and valency 3. Journal of Combinatorial Theory (B) 29, 1980, 91 – 105.
- [P1] W. Page and H. L. Dorwart, Numerical patterns and geometrical configurations. Math. Magazine 57(1984), 82 – 92.
- [P2] K. Petelczyc, Series of inscribed n-gons and rank 3 configurations. Beiträge zur Algebra und Geom. 46(2005), 283 – 300. [I.3.12]
- [P3] T. Pisanski, Strong and weak realizations of configurations. Lecture Notes from the Klee-Grünbaum Festival of Geometry, Ein Gev, Israel, April 9 – 16, 2000.
- [P4] T. Pisanski, Dimension of unsplittable incidence structures. Abstract for a meeting of ..., Waterloo, 2005.
- [P5] T. Pisanski, Yet another look at the Gray graph. New Zealand J. of Maths. 36(2007), 85 – 92. [I.1.3]
- [P6] T. Pisanski, M. Boben, D. Marusic, A. Orbanic and A. Graovac, The 10-cages and derived configurations. Discrete Math. 275(2004), 265 – 276.
- [P7] B. Polster, A Geometrical Picture Book. Springer, New York 1998.

- [P8] B. Poonen and M. Rubinstein, The number of intersection points made by the diagonals of a regular polygon. SIAM J. Discrete Math. 11(1998), 135 – 156.
- [P9] M. Przazmowska, Multiple perspectives and generalizations of the Desargues configurations. Demonstratio Math. 39(2006), 887 – 906.
- [R1] T. Reye, Geometrie der Lage. I. 2nd ed. (1876). [1.1.3] [1.2.1] [1.2.2]
- [R2] T. Reye, Das Problem der Configurationn. Acta Math. 1(1882), 93 – 96. [1.1.3] [1.2.1]
- [R3] J. F. Rigby, Multiple intersections of diagonals of regular polygons, and related topics. Geom. Dedicata 9(1980), 207 – 238.
- [R3*] J. F. Rigby, Half-turns and Clifford configurations in the inversive plane. J. London Math. Soc. (2) 15(1997), 521 – 533.
- [R4] J. F. Rigby, Two 124, 163 configurations. Mitt. Math. Seminar Giessen 165(1984), 135 - 154.
- [R5] F. S. Roberts, Applied Combinatorics. Prentice Hall, Englewood Cliffs, NJ 1984.
- [R6] C. Rodenberg, Review of [K4]. Jahrbuch Fortschr. Math. 13(1881), 460. [1.2.2]
- [S1] A. Schoenflies, Ueber einige ebene Configurationn und die zugehörigen Gruppen von Substitutionen. Nachr. Ges. Wiss Göttingen 1887, 410 – 417.
- [S2] A. Schönflies, Ueber die regelmässigen Configurationn n_3 . Math. Ann. 31(1888), 43 – 69.
- [S2] A. Schönflies, Ueber die regelmässigen Configurationn n_3 . Math. Ann. 31(1888), 43 – 69.
- [S3] A. Schönflies, Bemerkung zur Theorie der regelmässigen Configurationn n_3 . Math. Ann. 42(1883), 595 – 597.
- [S4] A. Schoenflies, Ueber regelmäßige Configurationn n_3 auf den Curven dritter Ordnung. Nachr. Ges. Wiss Göttingen 1889, 334 – 344.
- [S5] A. Schönflies, Ueber Configurationn, welche sich aus gegebenen Raumelementen durch blosses Schneiden und Verbinden ableiten lassen. Jahresber. Deutsch. Math.-Vereinigung 1(1892), 62 – 63.
- [S6] H. Schroeter, Ueber lineare Konstruktionen zur Herstellung der Konfigurationen n_3 . Nachr. Ges. Wiss Göttingen 1888, 193 – 236.

- [S7] H. Schröter, Die Theorie der ebenen Curven dritter Ordnung. Teubner, Leipzig 1888.
- [S8] H. Schroeter, Über die Bildungsweise und geometrische Construction der Configurationn 10₃. Nachr. Ges. Wiss Göttingen 1889, 239 – 253. [1.2.2] [1.4.1]
- [S9] A. E. Schrot, How to draw a hexagon. Discrete Math. 199(1999), 161 – 171.
- [S10] H. Schubert, Review of [K3] and [K4]. Jahrbuch Fortschr. Math. 13(1881), 460. [1.2.2]
- [S11] H. Schubert, Review of [Z4]. Jahrbuch Fortschr. Math. 21(1888), 535.
- [S12] H. A. Schwarz, Beispiel einer stetigen Funktion reellen Argumentes, für welche der Grenzwert des Differentialquotienten in jedem Teile des Intervalles unendlich oft gleich Null ist. Berl. Ber. 1910, 592 – 593.
- [S13] J. B. Shearer, Golomb ruler table. (1996)
<http://www.research.ibm.com/people/s/shearer/grtab.html>
- [S14] T. Q. Sibley, The Geometric Viewpoint. Addison Wesley Longman, Reading, MA 1998. [1.3.3]
- [S15] L. A. Sidorov, Configuration. In "Encyclopaedia of Mathematics, SpringerLink
http://eom.springer.de/C/c024670.htm#c024670_00f2
- [S16] S. Stahl, Geometry: From Euclid to Knots. Pearson Education, Inc. Upper Saddle River, NJ 2003. [1.3.3]
- [S17] E. Steinitz, Über die Construction der Configurationn n₃. Ph. D. Thesis, Breslau 1894. [1.3.5]
- [S18] E. Steinitz, Über die Unmöglichkeit, gewisse Configurationn n₃ in einem geschlossenen Zuge zu durchlaufen. Monatsh. Math. Phys. 8(1897), 293 – 296.
- [S19] E. Steinitz, Konfigurationen der projektiven Geometrie. Encyklopädie der math. Wissenschaften, Vol. 3 (Geometrie), Part IIIAB5a, pp.481 – 516 (1910). [1.2.2]
- [S20] E. Steinitz, Über Konfigurationen. Archiv Math. Phys., 3rd Ser., 16(1910), 289 - 313
- [S21] E. Steinitz and E. Merlin, Configurations. French translation of [S8], incomplete. Encyclopédie des Sciences Mathématiques, édition française. Tome III, Vol. 2 (1913), pp. 144 – 160.

- [S22] R. Sternfeld, D. Koster, D. Kiel and R. Killgrove, Self-dual confined configurations with ten points. *Ars Combinat.* 67(2003), 37 – 63. [1.2.2]
- [S23] B. Sturmfels and N. White, Rational realizations of 11_3 - and 12_3 -configurations. in "Symbolic Computations in Geometry", by H. Crapo, T. F. Havel, B. Sturmfels, W. Whiteley and N. L. White, IMA Preprint Series #389, Univ. of Minnesota 1988, pp. 92 – 123.
- [S24] B. Sturmfels and N. White, All 11_3 - and 12_3 -configurations are rational. *Aequat. Math.* 39(1990), 254 – 260. [1.2.6]
- [T1] E. Togliatti, Review of [Z2]. *Zentralblatt Math.* 43(1952), p. 358.
- [V1] J. van de Craats, On Simonis' 10_3 configuration. *Nieuw Archief voor Wiskunde* 4(1983), 193 – 207.
- [V2] H. van Maldeghem, Slim and bislim geometries. In: *Topics in Diagram Geometry*, A. Pasini, ed. Quaderni di Matematiche 12, Aracne, Roma 2003, pp. 227 – 254. [1.3.2] [1.4.2] [1.4.3]
- [V3] M. P. van Straten, The topology of the configurations of Desargues and Pappus. *Reports of a Math. Colloquium* (2) 8(1949), 3 – 17. [1.4.2]
- [V4] E. Visconti, Sulle configurazioni piane atrigone. *Giornale di Matematiche di Battaglini* 54(1916), 27 – 41.
- [W1] E. W. Weisstein, Configuration. [1.3.12]
<http://mathworld.wolfram.com/Configuration.html>
- [W2] D. Wells, *The Penguin Dictionary of Curious and Interesting Geometry*. Penguin, London 1991.
- [W3] Wikipedia, Projective configuration. [1.3.12]
http://en.wikipedia.org/wiki/Projective_configuration
- [W4] Wikipedia, Möbius-Kantor graph. (As of 2-7-2008)
http://en.wikipedia.org/wiki/Möbius-Kantor_configuration
- [W5] Wikipedia, Ernst Steinitz.
http://en.wikipedia.org/wiki/Ernst_Steinitz
- [W6] P. K. Wong, On the smallest graphs of girth 10 and valency 3. *Discrete Math.* 43(1983), 119 – 124.

- [W7] P.K. Wong, Cages - a survey. *Journal of Graph Theory* **6**, 1982, 1-22.
- [Y1] I. M. Yaglom, Complex Numbers in Geometry. Academic Press, New York 1968.
- [Z1] M. Zacharias, Untersuchungen über ebene Konfiguration (124, 163). *Deutsche Math.* **6**(1941), 147 - 170.
- [Z2] M. Zacharias, Eine neue ebene Konfigurationen (124, 163). *Math. Nachrichten* **1**(1948), 332 - 336. MR 10, 563.
- [Z3] M. Zacharias, Neue Wege zur Hesseschen Konfiguration (124, 163). *Math. Nachrichten* **2**(1949), 163 - 170. MR 11, 124.
- [Z4] M. Zacharias, Streifzüge im Reich der Konfigurationen: Eine Reyesche Konfiguration (15_3), Stern- und Kettenkonfigurationen. *Math. Nachrichten* **5**(1951), 329 – 345.
- [Z5] M. Zacharias, Die ebenen Konfigurationen (10_3). *Math. Nachrichten* **6**(1951), 129 – 144.
- [Z6] M. Zacharias, Konstruktionen der ebenen Konfigurationen (124, 163). *Math. Nachrichten* **8**(1952), 1 – 6.
- [Z7] M. Zacharias, Bemerkung zu meiner Arbeit: "Die ebenen Konfigurationen (10_3). *Math. Nachrichten* **12**(1954), p. 256.
- [Z8] H. Zeitler, Über einen Satz von Karteszi. *Elemente der Math.* **42**(1987), 15 – 18.
- [Z8*] P. Ziegenbein, Konfigurationen in der Kreisgeometrie. *J. reine angew. Math.* **183**(1941), 9 – 24.
- [Z9] K. Zindler, Zur Theorie der Netze und Configurationn. *Wien. Ber.* **98**(1889), 499 – 519.