

## References

- [1] Ralph Abraham and Jerrold E. Marsden. *Foundations of Mechanics*. Addison-Wesley, second edition, 1978.
- [2] Lars V. Ahlfors and Leo Sario. *Riemann Surfaces*. Princeton Math. Series, No. 2. Princeton University Press, 1960.
- [3] Paul Appell. *Traité de Mécanique Rationnelle, Tome I: Statique, Dynamique du Point*. Gauthier-Villars, sixth edition, 1941.
- [4] Emil Artin. *Geometric Algebra*. Wiley Interscience, first edition, 1957.
- [5] Michael Artin. *Algebra*. Prentice-Hall, first edition, 1991.
- [6] C. Bajaj and A. Royappa. Triangulation and display of arbitrary rational parametric surfaces. In R. Bergeron and A. Kaufman, editors, *IEEE Visualization '94 Conference*. IEEE, 1994.
- [7] C. Bajaj and A. Royappa. Finite representation of real parametric curves and surfaces. *Intl. J. of Computational Geometry and Applications*, pages 313–326, 1995.
- [8] R.S. Ball. *The Theory of Screws*. Cambridge University Press, first edition, 1900.
- [9] A.H. Barr, B. Currin, S. Gabriel, and J.F. Hughes. Smooth Interpolation of Orientations with Angular Velocity Constraints using Quaternions. In *Computer Graphics Proceedings, Annual Conference Series*, pages 313–320. ACM, 1992.
- [10] Richard H. Bartels, John C. Beatty, and Brian A. Barsky. *An Introduction to Splines for Use in Computer Graphics and Geometric Modelling*. Morgan Kaufmann, first edition, 1987.

- [11] M. Berg, M. Van Kreveld, M. Overmars, and O. Schwarzkopf. *Computational Geometry. Algorithms and Applications*. Springer-Verlag, first edition, 1997.
- [12] Marcel Berger. *Géométrie 1*. Nathan, 1990. English edition: Geometry 1, Universitext, Springer-Verlag.
- [13] Marcel Berger. *Géométrie 2*. Nathan, 1990. English edition: Geometry 2, Universitext, Springer-Verlag.
- [14] Marcel Berger and Bernard Gostiaux. *Géométrie différentielle: variétés, courbes et surfaces*. Collection Mathématiques. Puf, second edition, 1992. English edition: Differential geometry, manifolds, curves, and surfaces, GTM No. 115, Springer-Verlag.
- [15] J.E. Bertin. *Algèbre Linéaire et Géométrie Classique*. Masson, first edition, 1981.
- [16] A. Beutelspacher and U. Rosenbaum. *Projective Geometry*. Cambridge University Press, first edition, 1998.
- [17] W. Boehm and H. Prautzsch. *Geometric Concepts for Geometric Design*. AK Peters, first edition, 1994.
- [18] J.-D. Boissonnat and M. Yvinec. *Géométrie Algorithmique*. Ediscience International, first edition, 1995.
- [19] William M. Boothby. *An Introduction to Differentiable Manifolds and Riemannian Geometry*. Academic Press, second edition, 1986.
- [20] Nicolas Bourbaki. *Algèbre, Chapitre 9*. Eléments de Mathématiques. Hermann, 1968.
- [21] Nicolas Bourbaki. *Espaces Vectoriels Topologiques*. Eléments de Mathématiques. Hermann, 1981.
- [22] T. Bröcker and T. tom Dieck. *Representation of Compact Lie Groups*. GTM, Vol. 98. Springer-Verlag, first edition, 1985.
- [23] K.Q. Brown. Voronoi diagrams from convex hulls. *Inform. Process. Lett.*, 9:223–228, 1979.
- [24] R.L. Bryant. An introduction to Lie groups and symplectic geometry. In D.S. Freed and K.K. Uhlenbeck, editors, *Geometry and Quantum Field Theory*, pages 5–181. AMS, Providence, RI, 1995.
- [25] G. Cagnac, E. Ramis, and J. Commeau. *Mathématiques Spéciales, Vol. 3, Géométrie*. Masson, 1965.
- [26] Eugenio Calabi, Peter J. Olver, C. Shakiban, Allen Tannenbaum, and Steven Haker. Differential and numerically invariant signature curves applied to object recognition. *International Journal of Computer Vision*, 26(2):107–135, 1998.
- [27] Eugenio Calabi, Peter J. Olver, and Allen Tannenbaum. Affine geometry, curve flows, and invariant numerical approximations. *Advances in Mathematics*, 124:154–196, 1996.
- [28] Élie Cartan. *Les systèmes différentiels extérieurs et leurs applications géométriques*. Hermann, first edition, 1945.
- [29] Élie Cartan. *Theory of Spinors*. Dover, first edition, 1966.

- [30] Roger Carter, Graeme Segal, and Ian Macdonald. *Lectures on Lie Groups and Lie Algebras*. Cambridge University Press, first edition, 1995.
- [31] Claude Chevalley. *Theory of Lie Groups I*. Princeton Mathematical Series, No. 8. Princeton University Press, first edition, 1946.
- [32] Yvonne Choquet-Bruhat, Cécile DeWitt-Morette, and Margaret Dillard-Bleick. *Analysis, Manifolds, and Physics, Part I: Basics*. North-Holland, first edition, 1982.
- [33] P.G. Ciarlet. *Introduction to Numerical Matrix Analysis and Optimization*. Cambridge University Press, first edition, 1989. French edition: Masson, 1994.
- [34] H.S.M. Coxeter. *Non-Euclidean Geometry*. The University of Toronto Press, first edition, 1942.
- [35] H.S.M. Coxeter. *Introduction to Geometry*. Wiley, second edition, 1989.
- [36] H.S.M. Coxeter. *The Real Projective Plane*. Springer-Verlag, third edition, 1993.
- [37] H.S.M. Coxeter. *Projective Geometry*. Springer-Verlag, second edition, 1994.
- [38] Morton L. Curtis. *Matrix Groups*. Universitext. Springer-Verlag, second edition, 1984.
- [39] Gaston Darboux. *Leçons sur la théorie générale des surfaces, Troisième Partie*. Gauthier-Villars, first edition, 1894.
- [40] Gaston Darboux. *Leçons sur la théorie générale des surfaces, Quatrième Partie*. Gauthier-Villars, first edition, 1896.
- [41] Gaston Darboux. *Leçons sur la théorie générale des surfaces, Première Partie*. Gauthier-Villars, second edition, 1914.
- [42] Gaston Darboux. *Leçons sur la théorie générale des surfaces, Deuxième Partie*. Gauthier-Villars, second edition, 1915.
- [43] Gaston Darboux. *Principes de Géométrie Analytique*. Gauthier-Villars, first edition, 1917.
- [44] Ingrid Daubechies. *Ten Lectures on Wavelets*. SIAM Publications, first edition, 1992.
- [45] Tony D. DeRose. Rational Bézier curves and surfaces on projective domains. In G. Farin, editor, *NURBS for Curve and Surface Design*, pages 35–45. SIAM Publications, 1991.
- [46] Jean Dieudonné. *Algèbre Linéaire et Géométrie Élémentaire*. Hermann, second edition, 1965.
- [47] Jean Dieudonné. *Sur les Groupes Classiques*. Hermann, third edition, 1967.
- [48] Jean Dieudonné. *Abrégé d'Histoire des Mathématiques, 1700–1900*. Hermann, first edition, 1986.
- [49] G.L. Dirichlet. Über die Reduktion der positiven quadratischen Formen mit drei unbestimmten ganzen Zahlen. *Journal für die reine und angewandte Mathematik*, 40:209–227, 1850.
- [50] Jacques Dixmier. *General Topology*. UTM. Springer-Verlag, first edition, 1984.

- [51] Manfredo P. do Carmo. *Differential Geometry of Curves and Surfaces*. Prentice-Hall, 1976.
- [52] Manfredo P. do Carmo. *Riemannian Geometry*. Birkhäuser, second edition, 1992.
- [53] Manfredo P. do Carmo. *Differential Forms and Applications*. Universitext. Springer-Verlag, first edition, 1994.
- [54] C. Dupin. *Applications de Géométrie et de Mécanique*. Bachelier, first edition, 1822.
- [55] H. Edelsbrunner and R. Seidel. Voronoi diagrams and arrangements. *Discrete Computational Geometry*, 1:25–44, 1986.
- [56] Gerald A. Edgar. *Measure, Topology, and Fractal Geometry*. Undergraduate Texts in Mathematics. Springer-Verlag, first edition, 1992.
- [57] Gerald Farin. *NURB Curves and Surfaces, from Projective Geometry to Practical Use*. AK Peters, first edition, 1995.
- [58] Gerald Farin. *Curves and Surfaces for CAGD*. Academic Press, fourth edition, 1998.
- [59] Olivier Faugeras. *Three-Dimensional Computer Vision, A Geometric Viewpoint*. MIT Press, first edition, 1996.
- [60] J.-C. Fiorot and P. Jeannin. *Courbes et Surfaces Rationnelles*. RMA 12. Masson, first edition, 1989.
- [61] J.-C. Fiorot and P. Jeannin. *Courbes Splines Rationnelles*. RMA 24. Masson, first edition, 1992.
- [62] Gerd Fischer. *Mathematical Models, Commentary*. Vieweg & Sohn, first edition, 1986.
- [63] Gerd Fischer. *Mathematische Modelle*. Vieweg & Sohn, first edition, 1986.
- [64] James Foley, Andries van Dam, Steven Feiner, and John Hughes. *Computer Graphics. Principles and Practice*. Addison-Wesley, second edition, 1993.
- [65] George K. Francis. *A Topological Picture Book*. Springer-Verlag, second edition, 1987.
- [66] Jean Fresnel. *Méthodes Modernes en Géométrie*. Hermann, first edition, 1998.
- [67] William Fulton. *Algebraic Curves*. Advanced Book Classics. Addison-Wesley, first edition, 1989.
- [68] William Fulton. *Algebraic Topology, A First Course*. GTM No. 153. Springer-Verlag, first edition, 1995.
- [69] William Fulton and Joe Harris. *Representation Theory, A First Course*. GTM No. 129. Springer-Verlag, first edition, 1991.
- [70] Jean H. Gallier. *Curves and Surfaces in Geometric Modeling: Theory and Algorithms*. Morgan Kaufmann, first edition, 1999.
- [71] S. Gallot, D. Hulin, and J. Lafontaine. *Riemannian Geometry*. Universitext. Springer-Verlag, second edition, 1993.
- [72] R.V. Gamkrelidze (Ed.). *Geometry I*. Encyclopaedia of Mathematical Sciences, Vol. 28. Springer-Verlag, first edition, 1991.

- [73] E.N. Gilbert. Random subdivisions of space into crystals. *Annals of Math. Stat.*, 33:958–972, 1962.
- [74] Claude Godbillon. *Géométrie Différentielle et Mécanique Analytique*. Collection Méthodes. Hermann, first edition, 1969.
- [75] Gene H. Golub and Charles F. Van Loan. *Matrix Computations*. The Johns Hopkins University Press, third edition, 1996.
- [76] R. Graham and F. Yao. A whirlwind tour of computational geometry. *American Mathematical Monthly*, 97(8):687–701, 1990.
- [77] André Gramain. *Topologie des Surfaces*. Collection Sup. Puf, first edition, 1971.
- [78] A. Gray. *Modern Differential Geometry of Curves and Surfaces*. CRC Press, second edition, 1997.
- [79] Donald T. Greenwood. *Principles of Dynamics*. Prentice-Hall, second edition, 1988.
- [80] Victor Guillemin and Alan Pollack. *Differential Topology*. Prentice-Hall, first edition, 1974.
- [81] Jacques Hadamard. *Leçons de Géométrie Élémentaire. I Géométrie Plane*. Armand Colin, thirteenth edition, 1947.
- [82] Jacques Hadamard. *Leçons de Géométrie Élémentaire. II Géométrie dans l'Espace*. Armand Colin, eighth edition, 1949.
- [83] Joe Harris. *Algebraic Geometry, A First Course*. GTM No. 133. Springer-Verlag, first edition, 1992.
- [84] D. Hilbert and S. Cohn-Vossen. *Geometry and the Imagination*. Chelsea Publishing Co., 1952.
- [85] John D. Hobby. Rasterization of nonparametric curves. *ACM Transactions on Graphics*, 9(3):262–277, 1990.
- [86] John D. Hobby. Numerically stable implicitation of cubic curves. *ACM Transactions on Graphics*, 10(3):255–296, 1991.
- [87] Christoph M. Hoffmann. *Geometric and Solid Modeling*. Morgan Kaufmann, first edition, 1989.
- [88] Heinz Hopf. *Differential Geometry in the Large*. LNCS, Vol. 1000. Springer-Verlag, second edition, 1989.
- [89] Thomas Horsch and Bert Jüttler. Cartesian spline interpolation for industrial robots. *Computer-Aided Design*, 30(3):217–224, 1998.
- [90] J. Hoschek and D. Lasser. *Computer-Aided Geometric Design*. AK Peters, first edition, 1993.
- [91] Roger Howe. Very basic Lie theory. *American Mathematical Monthly*, 90:600–623, 1983.
- [92] K.H. Hunt. *Kinematic Geometry of Mechanisms*. Clarendon Press, first edition, 1978.
- [93] Ramesh Jain, Rangachar Katsuri, and Brian G. Schunck. *Machine Vision*. McGraw-Hill, first edition, 1995.
- [94] Bert Jüttler. Visualization of moving objects using dual quaternion curves. *Computers & Graphics*, 18(3):315–326, 1994.

- [95] Bert Jüttler. An osculating motion with second order contact for spacial Euclidean motions. *Mech. Mach. Theory*, 32(7):843–853, 1997.
- [96] Bert Jüttler and M.G. Wagner. Computer-aided design with spacial rational B-spline motions. *Journal of Mechanical Design*, 118:193–201, 1996.
- [97] Bert Jüttler and M.G. Wagner. Rational motion-based surface generation. *Computer-Aided Design*, 31:203–213, 1999.
- [98] M.-J. Kim, M.-S. Kim, and S.Y. Shin. A general construction scheme for unit quaternion curves with simple high-order derivatives. In *Computer Graphics Proceedings, Annual Conference Series*, pages 369–376. ACM, 1995.
- [99] M.-J. Kim, M.-S. Kim, and S.Y. Shin. A compact differential formula for the first derivative of a unit quaternion curve. *Journal of Visualization and Computer Animation*, 7:43–57, 1996.
- [100] D. Kincaid and W. Cheney. *Numerical Analysis*. Brooks/Cole Publishing, second edition, 1996.
- [101] Felix Klein. *Vorlesungen über nicht-Euklidische Geometrie*. AMS Chelsea, first edition, 1927.
- [102] Anthony W. Knapp. *Lie Groups Beyond an Introduction*. Progress in Mathematics, Vol. 140. Birkhäuser, first edition, 1996.
- [103] Jan J. Koenderink. *Solid Shape*. MIT Press, first edition, 1990.
- [104] Erwin Kreyszig. *Differential Geometry*. Dover, first edition, 1991.
- [105] Jack Kuipers. *Quaternion and Rotation Sequences*. Princeton University Press, first edition, 1999.
- [106] Jacques Lafontaine. *Introduction aux Variétés Différentielles*. PUG, first edition, 1996.
- [107] Serge Lang. *Algebra*. Addison-Wesley, third edition, 1993.
- [108] Serge Lang. *Differential and Riemannian Manifolds*. GTM No. 160. Springer-Verlag, third edition, 1995.
- [109] Serge Lang. *Real and Functional Analysis*. GTM 142. Springer-Verlag, third edition, 1996.
- [110] Serge Lang. *Undergraduate Analysis*. UTM. Springer-Verlag, second edition, 1997.
- [111] E. Lee. The rational Bézier representation for conics. In G. Farin, editor, *Geometric Modeling: Algorithms and New Trends*, pages 3–19. SIAM Publications, 1987.
- [112] Daniel Lehmann and Rudolphe Bkouche. *Initiation à la Géométrie*. Puf, first edition, 1988.
- [113] Daniel Lehmann and Carlos Sacré. *Géométrie et Topologie des Surfaces*. Puf, first edition, 1982.
- [114] Joseph Liouville. Note au sujet de l'article précédent. *Journal de Mathématiques Pures et Appliquées*, 12:265–290, 1847.
- [115] Charles Loop. A  $G^1$  triangular spline surface of arbitrary topological type. *Computer-Aided Geometric Design*, 11:303–330, 1994.

- [116] Saunders Mac Lane and Garrett Birkhoff. *Algebra*. Macmillan, first edition, 1967.
- [117] Paul Malliavin. *Géométrie Différentielle Intrinsèque*. Enseignement des Sciences, No. 14. Hermann, first edition, 1972.
- [118] Jerrold E. Marsden and Thomas J.R. Hughes. *Mathematical Foundations of Elasticity*. Dover, first edition, 1994.
- [119] Jerrold E. Marsden and Jim Ostrowski. Symmetries in motion: Geometric foundations of motion control. *Nonlinear Science Today*, 1998.
- [120] Jerrold E. Marsden and T.S. Ratiu. *Introduction to Mechanics and Symmetry*. TAM, Vol. 17. Springer-Verlag, first edition, 1994.
- [121] William S. Massey. *Algebraic Topology: An Introduction*. GTM No. 56. Springer-Verlag, second edition, 1987.
- [122] William S. Massey. *A Basic Course in Algebraic Topology*. GTM No. 127. Springer-Verlag, first edition, 1991.
- [123] J.C. Maxwell. On the cyclide. *Quarterly J. of Pure and Applied Mathematics*, 34:114–159, 1867.
- [124] J.M. McCarthy. *Introduction to Theoretical Kinematics*. MIT Press, first edition, 1990.
- [125] Dimitris N. Metaxas. *Physics-Based Deformable Models*. Kluwer Academic Publishers, first edition, 1997.
- [126] John W. Milnor. *Morse Theory*. Annals of Math. Series, No. 51. Princeton University Press, third edition, 1969.
- [127] John W. Milnor. *Topology from the Differentiable Viewpoint*. The University Press of Virginia, second edition, 1969.
- [128] R. Mneimné and F. Testard. *Introduction à la Théorie des Groupes de Lie Classiques*. Hermann, first edition, 1997.
- [129] Henry P. Moreton. *Minimum curvature variation curves, networks, and surfaces for fair free-form shape design*. PhD thesis, University of California, Berkeley, 1993.
- [130] James R. Munkres. *Elements of Algebraic Topology*. Addison-Wesley, first edition, 1984.
- [131] R.M. Murray, Z.X. Li, and S.S. Sastry. *A Mathematical Introduction to Robotics Manipulation*. CRC Press, first edition, 1994.
- [132] Joseph O'Rourke. *Computational Geometry in C*. Cambridge University Press, second edition, 1998.
- [133] F.C. Park and B. Ravani. Bézier curves on Riemannian manifolds and Lie groups with kinematic applications. *ASME J. Mech. Des.*, 117:36–40, 1995.
- [134] F.C. Park and B. Ravani. Smooth invariant interpolation of rotations. *ACM Transactions on Graphics*, 16:277–295, 1997.
- [135] R. Patterson. Projective transformations of the parameter of a rational Bernstein–Bézier curve. *ACM Transactions on Graphics*, 4:276–290, 1986.
- [136] Dan Pedoe. *Geometry, A Comprehensive Course*. Dover, first edition, 1988.
- [137] M. Penna and R. Patterson. *Projective Geometry and Its Applications to Computer Graphics*. Prentice-Hall, first edition, 1986.

- [138] Emile Picard. *Traité d'Analyse, Tome I*. Gauthier-Villars, fourth edition, 1942.
- [139] Les Piegl and Wayne Tiller. *The NURBS Book*. Monograph in Visual Communications. Springer-Verlag, first edition, 1995.
- [140] F.P. Preparata and M.I. Shamos. *Computational Geometry: An Introduction*. Springer-Verlag, first edition, 1988.
- [141] Lyle Ramshaw. Blossoming: A connect-the-dots approach to splines. Technical report, Digital SRC, Palo Alto, CA 94301, 1987. Report No. 19.
- [142] J.-J. Risler. *Mathematical Methods for CAD*. Masson, first edition, 1992.
- [143] Otto Röschel. Rational motion design: A survey. *Computer-Aided Design*, 30(3):169–178, 1998.
- [144] Eugène Rouché and Charles de Comberousse. *Traité de Géométrie*. Gauthier-Villars, seventh edition, 1900.
- [145] Walter Rudin. *Real and Complex Analysis*. McGraw-Hill, third edition, 1987.
- [146] Pierre Samuel. *Projective Geometry*. Undergraduate Texts in Mathematics. Springer-Verlag, first edition, 1988.
- [147] D.H. Sattinger and O.L. Weaver. *Lie Groups and Algebras with Applications to Physics, Geometry, and Mechanics*. Applied Math. Science, Vol. 61. Springer-Verlag, first edition, 1986.
- [148] Laurent Schwartz. *Topologie Générale et Analyse Fonctionnelle*. Collection Enseignement des Sciences. Hermann, 1980.
- [149] Laurent Schwartz. *Analyse I. Théorie des Ensembles et Topologie*. Collection Enseignement des Sciences. Hermann, 1991.
- [150] Laurent Schwartz. *Analyse II. Calcul Différentiel et Equations Différentielles*. Collection Enseignement des Sciences. Hermann, 1992.
- [151] Laurent Schwartz. *Analyse III. Calcul Intégral*. Collection Enseignement des Sciences. Hermann, 1993.
- [152] Laurent Schwartz. *Analyse IV. Applications à la Théorie de la Mesure*. Collection Enseignement des Sciences. Hermann, 1993.
- [153] T. Sederberg. Improperly parameterized rational curves. *Computer-Aided Geometric Design*, 3(1):67–75, 1986.
- [154] T. Sederberg and D. Anderson. Steiner surface patches. *IEEE Computer Graphics and Applications*, 5(5):23–36, 1985.
- [155] J.M. Selig. *Geometrical Methods In Robotics*. Monographs In Computer Science. Springer-Verlag, first edition, 1996.
- [156] Richard W. Sharpe. *Differential Geometry. Cartan's Generalization of Klein's Erlangen Program*. GTM No. 166. Springer-Verlag, first edition, 1997.
- [157] Ken Shoemake. Animating rotation with quaternion curves. In *ACM SIGGRAPH'85*, volume 19, pages 245–254. ACM, 1985.
- [158] Ken Shoemake. Quaternion calculus for animation. In *Math for SIGGRAPH*, pages 1–19. ACM, 1991. Course Note No. 2.

- [159] J.-C. Sidler. *Géométrie Projective*. InterEditions, first edition, 1993.
- [160] Ernst Snapper and Troyer Robert J. *Metric Affine Geometry*. Dover, first edition, 1989.
- [161] S. Sternberg. *Lectures On Differential Geometry*. AMS Chelsea, second edition, 1983.
- [162] G.W. Stewart. On the early history of the singular value decomposition. *SIAM Review*, 35(4):551–566, 1993.
- [163] J.J. Stoker. *Differential Geometry*. Wiley Classics. Wiley-Interscience, first edition, 1989.
- [164] J. Stolfi. *Oriented Projective Geometry*. Academic Press, first edition, 1991.
- [165] Gilbert Strang. *Introduction to Applied Mathematics*. Wellesley–Cambridge Press, first edition, 1986.
- [166] Gilbert Strang. *Linear Algebra and Its Applications*. Saunders HBJ, third edition, 1988.
- [167] Gilbert Strang and Fix George. *An Analysis of the Finite Element Method*. Wellesley–Cambridge Press, first edition, 1973.
- [168] Gilbert Strang and Nguyen Truong. *Wavelets and Filter Banks*. Wellesley–Cambridge Press, second edition, 1997.
- [169] Claude Tisseron. *Géométries Affines, Projectives, et Euclidiennes*. Hermann, first edition, 1994.
- [170] L.N. Trefethen and D. Bau III. *Numerical Linear Algebra*. SIAM Publications, first edition, 1997.
- [171] Emanuele Trucco and Alessandro Verri. *Introductory Techniques for 3D Computer Vision*. Prentice-Hall, first edition, 1998.
- [172] O. Veblen and J. W. Young. *Projective Geometry, Vol. 1*. Ginn, second edition, 1938.
- [173] O. Veblen and J. W. Young. *Projective Geometry, Vol. 2*. Ginn, first edition, 1946.
- [174] Lucas Vienne. *Présentation Algébrique de la Géométrie Classique*. Vuibert, first edition, 1996.
- [175] M.G. Voronoi. Nouvelles applications des paramètres continus à la théorie des formes quadratiques. *J. Reine u. Agnew. Math.*, 134:198–287, 1908.
- [176] Frank Warner. *Foundations of Differentiable Manifolds and Lie Groups*. GTM No. 94. Springer-Verlag, first edition, 1983.
- [177] J. Warren. Creating multisided rational Bézier surfaces using base points. *ACM Transactions on Graphics*, 11(2):127–139, 1992.
- [178] Alan Watt. *3D Computer Graphics*. Addison-Wesley, second edition, 1993.
- [179] William Welch. *Serious Putty: Topological Design for Variational Curves and Surfaces*. PhD thesis, Carnegie Mellon University, Pittsburgh, Pa., 1995.
- [180] Hermann Weyl. *The Classical Groups. Their Invariants and Representations*. Princeton Mathematical Series, No. 1. Princeton University Press, second edition, 1946.

+ This is page 544  
Printer: Opaque this