

Bibliography

1. Adams, Colin, *The Knot Book*, American Mathematical Society, Providence, RI, 2004.
2. Agoston, M. K., *Algebraic Topology, a first course*, Marcel Dekker, Inc., New York, NY, 1976.
3. Alexander, J. W., A proof of Jordan's theorem about a simple closed curve, *Annals of Math.* **21**(1920), 180–184.
4. Alexandroff, P. S., Stetige Abbildinger kompakter Räume, *Math. Annalen*, **96**(1926), 555–573.
5. Alexandroff, P. S., Hopf, H., *Topologie I*, Springer-Verlag, Berlin, 1935.
6. Alexandroff, P. S., *Combinatorial Topology*, Dover Publications, Mineola, NY, 1998)
7. Armstrong, M.A., *Basic Topology*, UTM Series, Springer-Verlag, Berlin Heidelberg New York, 1997.
8. Björner, A., Topological methods, in *Handbook of Combinatorics*, Vol. 1, 2, Edited by R. L. Graham, M. Grötschel and L. Lovász, Elsevier, Amsterdam, 1995, 1819–1872.
9. Borsuk, K., Drei Sätze über die n -dimensionale euklidische Sphäre, *Fund. Math.*, **20**(1933), 177–190.
10. Brouwer, L. E. J., Beweis der Invarianz der Dimensionenzahl, *Math. Ann.*, **70**(1910), 161–165.
11. Brouwer, L. E. J., Über Abbildungen von Mannigfaltigkeiten, *Math. Ann.*, **71**(1911), 97–115.
12. Burde, G., Zieschang, H., *Knots*, Walter de Gruyter, Berlin New York, 1985.
13. Cantor, G., Ein Beitrag zur Mannigfaltigkeitslehre, *J. für reine und ang. Math.* **84**(1878), 242–258.
14. Cox, R. H., A proof of the Schroeder-Berstein Theorem, *American Mathematical Monthly* **75**(1968), 508.
15. Croom, F. H., *Basic Concepts of Algebraic Topology (Undergraduate Texts in Mathematics)*, Springer-Verlag, Berlin Heidelberg New York, 1978.
16. Crossley M. D., *Essential Topology Series: Springer Undergraduate Mathematics Series*, Springer-Verlag, Berlin Heidelberg New York, 2005
17. Dauben, J. W., The Invariance of dimension: Problems in the early development of set theory and topology, *Historia Math.* **2**(1975), 273–288.
18. Day, Mahlon M., *Normed linear spaces*, Third edition, *Ergebnisse der Mathematik und ihrer Grenzgebiete*, Band 21, Springer-Verlag, New York-Heidelberg, 1973.
19. Dieudonné, J., *A History of Algebraic and Differential Topology, 1900–1960*, Birkhäuser, Boston Basel, 1989.
20. Dold, A., *Lectures on Algebraic Topology*, Springer-Verlag, Heidelberg, 1972.
21. Dubrovin, B.A., Fomenko, A.T., Novikov, S.P., *Modern Geometry—Methods and Applications*, Part I. The Geometry of Surfaces, Transformation Groups, and Fields;

- Part II. The Geometry and Topology of Manifolds; Part III. Introduction to Homology Theory; Springer-Verlag, New York, Translated by Robert G. Burns, , 1984, 1985, 1990.
22. Eilenberg, S., Mac Lane, S., General theory of natural equivalences, *Trans. Amer. Math. Soc.* **58**(1945), 231–294.
 23. Eilenberg, S., Steenrod, N., *Foundations of Algebraic Topology*, Princeton University Press, Princeton, NJ, 1952.
 24. Eilenberg, S., Zilber, J., On products of complexes, *Amer. J. Math.* **75**(1953), 200–204.
 25. Epple, M., Orbits of asteroids, a braid, and the first link invariant, *Math. Intelligencer* **20**(1998), 45–52.
 26. Fine, B., Rosenberger, G., *The Fundamental Theorem of Algebra*, Undergraduate Texts in Mathematics series, Springer-Verlag, New York, 1997.
 27. Fréchet, M., Sur quelques points du calcul fonctionnel, *Rend. Circ. mat. Palermo*, **22**(1906), 1–74.
 28. Gamelin, T. W., Greene, R. E., *Introduction to Topology*, Second edition, Dover Publ., Inc., Mineola, NY, 1999.
 29. Gublin, Peter, *Graphs, Surfaces and Homology*, Chapman and Hall, London, 1977.
 30. Greenberg, M.J., Harper, J.R., *Algebraic Topology, a first course*, Benjamin-Cummings, Reading, MA, 1981.
 31. Hardy, G. H., Wright, E. M., *An Introduction to the Theory of Numbers*, fifth edition, Oxford University Press, Oxford, England, 1980.
 32. Hatcher, Allen, *Algebraic Topology*, Cambridge University Press, New York, NY, 2001.
 33. Hausdorff, F., *Grundzüge der Mengenlehre*, Chelsea Publ. Co., New York, NY, 1949.
 34. Henle, M., *A Combinatorial Introduction to Topology*, Dover Publ. Inc., Mineola, NY, 1994.
 35. Hilton, P. J., Wylie, S., *Homology theory: An introduction to algebraic topology*, Cambridge University Press, New York, NY, 1960.
 36. Horn, R. A., Johnson, C. R., *Topics in Matrix Analysis*, Cambridge University Press, New York, 1991.
 37. Hurewicz, W., Beiträge zur Topologie der Deformationen, I: Höherdimensionalen Homotopiegruppen; II: Homotopie- und Homologiegruppen; III: Klassen und Homologietypen von Abbildungen; IV: Asphärische Räume, *Proc. Akad. Wetensch. Amsterdam* **38**(1935), 112–119, 521–528, **39**(1936), 117–126, 215–224.
 38. Hurewicz, W., Wallman, H., *Dimension Theory*, Princeton University Press, Princeton, NY, 1941.
 39. James, I. M., editor, *History of Topology*, Elsevier, Amsterdam, 1999.
 40. Johnson, Dale M., Prelude to dimension theory: the geometrical investigations of Bernard Bolzano. *Arch. History Exact Sci.* 17 (1977), no. 3, 262–295; The problem

- of the invariance of dimension in the growth of modern topology. I. Arch. Hist. Exact Sci. 20 (1979), no. 2, 97–188; The problem of the invariance of dimension in the growth of modern topology. II. Arch. Hist. Exact Sci. 25 (1981), no. 2-3, 85–267.
41. Jordan, Camille, Cours d'Analyse de l'Ecole polytechnique, Gauthier-Villars, Paris, 1882.
 42. Kahn, D. W., Topology: An Introduction to the Point-Set and Algebraic Areas, Dover Publ. Inc., Mineola, NY, 1995.
 43. Kaku, Michio, Hyperspace: A Scientific Odyssey Through Parallel Universes, Time Warps and the Tenth Dimension, Oxford University Press, 1994.
 44. Kelley, J. L., The Tychonoff product theorem implies the axiom of choice. Fund. Math. 37, (1950). 75–76.
 45. Klein, F., Vergleichende Betrachtungen über neuere geometrische Forschungen, Math. Ann., **43**(1893), 63–100.
 46. Lakatos, I., Proofs and Refutations: the Logic of Mathematical Discovery, Cambridge University Press, Cambridge, UK, 1976.
 47. Lebesgue, H., Sur la non-applicabilité de deux domaines appartenant respectivement à des espaces à n et $n + p$ dimensions, Math. Ann., **71**(1910), 166–168.
 48. Lefschetz, S., Topology, AMS Coll. Publ. **12**, Providence, RI, 1930.
 49. Lefschetz, S., Algebraic Topology, AMS Colloquium Publications, **27**(1942), New York, NY.
 50. Lefschetz, S., The early development of algebraic topology, Bol. Soc. Bras. Matem. **1**(1970), 1–48.
 51. Lima, Elon Lages, Fundamental Groups and Covering Spaces, translated by Jonas Gomes, A.K. Peters, Natick, MA, 2003.
 52. Livingston, C., Knot Theory, Carus Monograph Series, Mathematical Association of America, Washington, DC, 1996.
 53. Mac Lane, S., Categories for the Working Mathematician, GTM Series 5, Springer-Verlag, Berlin Heidelberg New York, second edition, 1998.
 54. Madsen, I., Tornehave, J., From Calculus to Cohomology, Cambridge University Press, Cambridge, 1997.
 55. Massey, W. S., A Basic Course in Algebraic Topology, GTM 127, Springer-Verlag, Berlin Heidelberg New York, 1991.
 56. Matoušek, J., Using the Borsuk-Ulam Theorem, Springer-Verlag, Berlin Heidelberg, 2003.
 57. Maunder, C. R. F., Algebraic Topology, Dover Publ., Mineola, NY, 1996.
 58. May, J. P., A Concise Course in Algebraic Topology, Chicago Lectures in Mathematics, Univ. Chicago Press, Chicago, IL, 1999.
 59. McCleary, J., Geometry from a Differentiable Viewpoint, Cambridge University Press, New York, NY, 1997.

60. Milnor, J. W., *Topology from a Differentiable Viewpoint*, Princeton University Press, Princeton, 1997
61. Munkres, James R., *Topology: a first course*, second edition, Prentice-Hall, Inc., Englewood Cliffs, NJ, 1999.
62. Munkres, James, *Elements of Algebraic Topology*, Addison-Wesley Publ. Co., Menlo Park, CA, 1984.
63. Newman, M. H. A., *Elements of the Topology of Plane Sets of Points*, Cambridge University Press, Cambridge, UK, 1939.
64. Ostrowski, A., Über den ersten und vierten Gausschen Beweis des Fundamentalsatzes der Algebra, in *Gauss Werke*, Vol. 10, Part 2, Abh. 3.
65. Peano, G., Sur une courbe, qui remplit une aire plane, *Math. Ann.*, **36**(1890), 157–160.
66. Poincaré, H., *Analysis Situs*, J. Ecole Polytechnique, **1**(1895), 1–121.
67. Poincaré, H., *Science and Hypothesis*, London: Walter Scott Publishing, London, 1905.
68. Pont, Jean-Claude, *La topologie algébrique des origines à Poincaré*, Préface de René Taton, Bibliothèque de Philosophie Contemporaine. Presses Universitaires de France, Paris, 1974.
69. Rolfsen, D., *Knots and Links*, AMS Chelsea Publ, Providence, RI, 2003.
70. Royden, H. L., *Real Analysis*, Third edition, Macmillan Publ. Co., New York, 1988.
71. Sagan, H., *Space-Filling Curves*, Springer-Verlag, New York, 1994.
72. Schmidt, E., Über den Jordanschen Kurvensatz, *Sitzber. Akad. Berlin*, (1923), 318–329.
73. Spanier, E. H., *Algebraic Topology*, Springer-Verlag, Berlin Heidelberg New York, 1994.
74. Stanton, D., White, D., *Constructive Combinatorics*, Undergraduate Texts in Mathematics, Springer-Verlag, New York, 1986.
75. Steen, L. A., Seebach, J. A., *Counterexamples in Topology*, Dover Publ. Inc., Mineola, NY, 1995.
76. Uspensky, J. V., *Theory of Equations*, McGraw-Hill Book Co., New York, NY, 1948.
77. Vassiliev, V. A., *Introduction to Topology (Student Mathematical Library, V. 14)*, A. Sossinski (Translator), American Mathematical Society, Providence, RI, 2001.
78. Walker, J.W., A homology version of the Borsuk-Ulam theorem, *Amer. Math. Monthly*, **90**(1983), 466–468.
79. Wall, C. T. C., *A Geometric Introduction to Topology*, Addison-Wesley Publ. Co., Reading, MA, 1972.