

BIBLIOGRAPHY

- Alexandrov, A. D., A. N. Kolmogorov, and M. A. Lavrentiev (eds.), *Mathematics: its Content, Methods and Meaning*, 3 vols., tr. S. H. Gould and T. Bartha. Cambridge, Mass.: MIT Press, 1969.
- Aristotle, *Physics*, 2 vols., tr. P. H. Wickstead and F. M. Cornford. Loeb Classical Library, Cambridge, Mass.: Harvard University Press and London: Heinemann, 1980.
- Baron, M. E., *The Origins of the Infinitesimal Calculus*. New York: Dover, 1987.
- Bell, E. T., *The Development of Mathematics*, 2nd ed. New York: McGraw-Hill, 1945.
- ~~~~ *Men of Mathematics*, 2 vols. Harmondsworth, Middlesex: Penguin Books, 1965.
- Bell, J. L., *A Primer of Infinitesimal Analysis*. Cambridge: Cambridge University Press, 1998.
- Benacerraf, P., and H. Putnam, *Philosophy of Mathematics: Selected Readings*, 2nd ed. Cambridge: Cambridge University Press, 1977.
- Bernardete, J., *Infinity: An Essay in Metaphysics*. Oxford: Clarendon Press, 1964.
- Binmore, K. G., *Mathematical Analysis: A Straightforward Approach*. Cambridge: Cambridge University Press, 1977.
- Birkhoff, G., and S. Mac Lane, *A Survey of Modern Algebra*. New York: Macmillan, 1959.
- Bix, R., *Conics and Cubics: A Concrete Introduction to Algebraic Curves*. New York: Springer-Verlag, 1998.
- Black, M., *The Nature of Mathematics*. London: Routledge and Kegan Paul, 1958.
- Bochner, S., *The Role of Mathematics in the Rise of Science*. Princeton, N. J.: Princeton University Press, 1966.
- Bonola, R., *Non-Euclidean Geometry*. New York: Dover, 1955.
- Borel, E., *Space and Time*. New York: Dover, 1960.
- Bourbaki, N., *Elements of the History of Mathematics*, tr. J. Meldrum. Berlin: Springer-Verlag, 1994.
- Boyer, C., *A History of Mathematics*, 2nd ed. New York: Wiley, 1991.
- ~~~~ *The History of the Calculus and its Conceptual Development*. New York: Dover, 1969.
- Cajori, F., *A History of Mathematical Notations*. New York: Dover, 1993.
- Cantor, G., *Contributions to the Founding of the Theory of Transfinite Numbers*. New York: Dover, 1961.
- Cardan, J., *The Book of My Life*, tr. J. Stover. New York: Dover, 1962.
- Coe, M., *The Maya*. Harmondsworth, Middlesex: Penguin Books, 1973.
- Coolidge, J. L., *A History of the Conic Sections*. New York: Dover, 1968.
- Courant, R., *Differential and Integral Calculus*, 2 vols., tr. E. J. McShane. London and Glasgow: Blackie, 1942.
- ~~~~ and H. Robbins, *What is Mathematics?* New York: Oxford University Press, 1967.
- Dantzig, T., *Number, The Language of Science*. New York: Doubleday, 1954.
- Dedekind, R., *Essays on the Theory of Numbers*, tr. W.W. Beman. Chicago: Open Court, 1901.
- DeLong, H., *A Profile of Mathematical Logic*. Reading, Mass.: Addison-Wesley, 1970.
- Demopoulos, W. (ed.), *Frege's Philosophy of Mathematics*. Cambridge, Mass.: Harvard University Press, 1995.
- Dudley, U., *Elementary Number Theory*, 2nd ed. San Francisco: W. H. Freeman, 1978.
- Dummett, M., *Elements of Intuitionism*. Oxford: Clarendon Press, 1977.
- Einstein, A., *Relativity: the Special and General Theory*. London: Methuen, 1970.
- Eves, H., *A History of Mathematics*, 4th ed. New York: Holt, Rinehart and Winston, 1976.
- Farrington, B., *Greek Science*, 2 vols. Harmondsworth, Middlesex: Penguin Books, 1949.
- Fraenkel, A., Y. Bar-Hillel and A. Levy, *Foundations of Set Theory*. Amsterdam: North-Holland, 1973.
- Frege, G., *The Foundations of Arithmetic*, tr. J. L. Austin. Evanston, Ill.: Northwestern University Press, 1980.
- ~~~~ *The Basic Laws of Arithmetic*, tr. M. Furth. Berkeley, Ca.: University of California Press, 1967.
- Gamow, G., *One, Two, Three, ... Infinity: Facts and Speculations of Science*. New York: New American Library, 1957.
- Gray, J., *Ideas of Space: Euclidean, Non-Euclidean, and Relativistic*. Oxford: Clarendon Press, 1973.
- Greenberg, M., *Euclidean and Non-Euclidean Geometry*. San Francisco: W. H. Freeman, 1974.
- Grünbaum, A., *Zeno's Paradoxes and Modern Science*. London: Allen and Unwin, 1967.

- Hadamard, J., *The Mathematician's Mind*. Princeton, N.J.: Princeton University Press, 1996.
- Hallett, M., *Cantorian Set Theory and Limitation of Size*. Oxford: Clarendon Press, 1984.
- Hardy, G. H., *A Mathematician's Apology*. Cambridge: Cambridge University Press, 1960.
- ~~~~ *A Course in Pure Mathematics*. Cambridge: Cambridge University Press, 1960.
- ~~~~ and E. M. Wright, *The Theory of Numbers*. Oxford: Clarendon Press, 1938.
- Heath, T., *A History of Greek Mathematics*, 2 vols. New York: Dover, 1981.
- Heijenoort, J. van, *From Frege to Gödel: A Sourcebook in Mathematical Logic 1879 – 1931*. Cambridge, Mass.: Harvard University Press, 1981.
- Heyting, A., *Intuitionism: An Introduction*. Amsterdam: North-Holland, 1971.
- Hilbert, D., and S. Cohn-Vossen, *Geometry and the Imagination*. New York: Chelsea, 1952.
- Hocking, J. G. and G. S. Young, *Topology*. Reading, Mass.: Addison-Wesley, 1961.
- Ivins, W. M., *Art and Geometry*. New York: Dover, 1964.
- Jacobson, N., *Basic Algebra I*. New York: W. H. Freeman, 1985.
- Kant, I., *Critique of Pure Reason*. London: Macmillan, 1964.
- Kelley, J. L., *General Topology*. Princeton, N.J.: Van Nostrand, 1960.
- Kirk, G. S., J. E. Raven, and M. Schofield, *The Presocratic Philosophers*, 2nd ed. Cambridge: Cambridge University Press, 1983.
- Klein, J., *Greek Mathematical Thought and the Origins of Algebra*, tr. E. Braun. New York: Dover, 1992.
- Kline, M., *Mathematics in Western Culture*. Harmondsworth, Middlesex: Penguin Books, 1972.
- ~~~~ *Mathematical Thought from Ancient to Modern Times*. New York: Oxford University Press, 1972.
- ~~~~ *Mathematics: The Loss of Certainty*. New York: Oxford University Press, 1980.
- Kneale, W., and M. Kneale, *The Development of Logic*. Oxford: Clarendon Press, 1991.
- Kneebone, G. T., *Mathematical Logic and the Foundations of Mathematics*. London: Van Nostrand, 1965.
- Körner, S., *Philosophy of Mathematics*. London: Hutchinson, 1960.
- Lakatos, I., *Proofs and Refutations*. Cambridge: Cambridge University Press, 1976.
- Lawvere, F. W., and S. Schanuel, *Conceptual Mathematics: A First Introduction to Categories*. Cambridge: Cambridge University Press, 1997.
- ~~~~ and R. Rosebrugh, *Sets for Mathematics*. Cambridge: Cambridge University Press, 2003.
- Lionnais, F. le, (ed.), *Great Currents of Mathematical Thought*, 2 vols., tr. R. Hall. New York: Dover, 1971.
- Lipschutz, M., *Differential Geometry*. New York: McGraw-Hill and Schaum's Outline Series, 1969.
- Machover, M., *Set Theory, Logic and Their Limitations*. Cambridge: Cambridge University Press, 1976.
- Mac Lane, S., *Mathematics, Form and Function*. New York: Springer-Verlag, 1986.
- ~~~~ and G. Birkhoff, *Algebra*. London: Macmillan, 1967.
- Mancosu, P., *From Brouwer to Hilbert: The Debate on the Foundations of Mathematics in the 1920s*. New York: Oxford University Press, 1998.
- ~~~~, *Philosophy of Mathematics & Mathematical Practice in the Seventeenth Century*. New York: Oxford University Press, 1996.
- Marsden, J. E., *Basic Complex Analysis*. San Francisco, W.H. Freeman, 1973.
- ~~~~ *Elementary Classical Analysis*. San Francisco: W. H. Freeman, 1974.
- ~~~~ and Tromba, A.J., *Vector Calculus*, 2nd ed. San Francisco: W. H. Freeman, 1981.
- Meschkowski, H., *Evolution of Mathematical Thought*, tr. J. H. Gayl. San Francisco: Holden-Day, 1965.
- Moore, A. W., *Infinity*. London: Routledge, 1990.
- Moore, G. H., *Zermelo's Axiom of Choice: Its Origins, Development, and Influence*. New York: Springer-Verlag, 1982.
- Needham, J., and Wang Ling, *Science and Civilization in China, vol. 3: Mathematics and the Sciences of the Heavens and Earth*. Cambridge: Cambridge University Press, 1959.
- Newman, J. R. (ed.), *The World of Mathematics*, 4 vols. New York: Simon and Schuster, 1956.
- Newton, I., *Principia*, tr. A. Motte, revsd. F. Cajori. Berkeley, Ca.: University of California Press, 1962.
- Phillips, E. G., *Functions of a Complex Variable*. Edinburgh and London: Oliver and Boyd, 1961.
- Plato, *The Collected Dialogues*, E. Hamilton and H. Cairns, eds. Princeton, N.J.: Princeton University Press, 1961.
- Reichenbach, H., *Philosophy of Space and Time*. New York: Dover, 1959.
- Rescher, N., *The Philosophy of Leibniz*. Englewood Cliffs, N.J.: Prentice-Hall, 1967.

- Robinson, A., *Non-Standard Analysis*. Princeton, N.J.: Princeton University Press, 1996.
- Rotman, B., *Signifying Nothing: The Semiotics of Zero*. Palo Alto, Ca.: Stanford University Press, 1987.
- ~~~~ *Ad Infinitum: The Ghost in Turing's Machine*. Palo Alto, Ca.: Stanford University Press, 1993.
- Russell, B., *The Principles of Mathematics*. London: Allen and Unwin, 1964.
- ~~~~ *Introduction to Mathematical Philosophy*. London: Routledge, 1995.
- ~~~~ *Mysticism and Logic*. Harmondsworth, Middlesex: Penguin Books, 1953.
- ~~~~ and A. N. Whitehead, *Principia Mathematica to *56*. Cambridge, Cambridge University Press, 1962.
- Sambursky, S. *The Physical World of the Greeks*. London: Routledge and Kegan Paul, 1963.
- ~~~~ *Physics of the Stoics*. London: Hutchinson, 1971.
- Smith, D. E., *A Sourcebook in Mathematics*. New York: Dover, 1959.
- Struik, D., *A Concise History of Mathematics*. New York: Dover, 1948.
- Sondheim, E., and A. Rogerson, *Numbers and Infinity: An Historical Account of Mathematical Concepts*. Cambridge: Cambridge University Press, 1981.
- Szabo, A., *The Beginnings of Greek Mathematics*, tr. A. M. Ungar. Hingham, Mass.: D. Reidel, 1978.
- Titchmarsh, E. C., *Theory of Functions*, 2nd ed. London: Oxford University Press, 1958.
- van der Waerden, B. L., *Modern Algebra*, 2 vols., tr. F. Blum and T. Benac. New York: Ungar, 1953.
- Wagon, S., *The Banach-Tarski Paradox*. Cambridge: Cambridge University Press, 1993.
- Weyl, H., *Philosophy of Mathematics and Natural Science*. Princeton: Princeton University Press, 1949.
- ~~~~ *Symmetry*. Princeton: Princeton University Press, 1989.
- ~~~~ *The Continuum: A Critical Examination of the Foundation of Analysis*, tr. S. Pollard and T. Bole. Kirksville, Mo.: Thomas Jefferson University Press, 1987.
- ~~~~ *Space-Time-Matter*, tr. H. L. Brose. New York: Dover, 1950.
- ~~~~ *The Open World: Three Lectures on the Metaphysical Implications of Science*. New Haven, Ct.: Yale University Press, 1932.
- ~~~~ "Address on the Unity of Knowledge." Columbia University Bicentennial Celebration, 1954.
- ~~~~ "Axiomatic versus Constructive Procedures in Mathematics", ed. T. Tonietti. *Mathematical Intelligencer* 7, no. 4, 10–17, 38 (1985).
- ~~~~ "Consistency in Mathematics." Rice Institute Pamphlet 16, 245–265 (1929).
- White, M. J., *The Continuous and the Discrete*. Oxford: Clarendon Press, 1992.
- Whitehead, A. N., *Science and the Modern World*. Cambridge: Cambridge University Press, 1953.
- Wilder, R., *Introduction to the Foundations of Mathematics*. New York: Wiley, 1952.
- Zippin, L., *Uses of Infinity*. New York: Random House, 1962.