

References

1. Peter H. Selby, Steve Slavin, *Practical Algebra: A Self-Teaching Guide, 2nd Edition*, Wiley, ISBN-10 0471530123 ISBN-13 978-0471530121
2. Gilbert Strang, *Linear Algebra and its Applications, Fourth Edition*, Thompson Brooks/Cole, ISBN 0030105676.
3. Howard Eves, *An Introduction to the History of Mathematics, Sixth Edition*, Saunders, ISBN 0030295580
4. R. Birkeland. Über die Auflösung algebraischer Gleichungen durch hypergeometrische Funktionen. *Mathematische Zeitschrift* vol. 26, (1927) pp. 565-578. Shows that the roots of any polynomial may be written in terms of multivariate hypergeometric functions.
5. K. Mayr. Über die Auflösung algebraischer Gleichungssysteme durch hypergeometrische Funktionen. *Monatshefte für Mathematik und Physik* vol. 45, (1937) pp. 280-313.
6. H. Umemura. Solution of algebraic equations in terms of theta constants. In D. Mumford, *Tata Lectures on Theta II*, Progress in Mathematics 43, Birkhäuser, Boston, 1984.
7. George Gheverghese Joseph, *The Crest of the Peacock: Non-European Roots of Mathematics* (Penguin Books, 2000).
8. John J O'Connor and Edmund F Robertson, *MacTutor History of Mathematics archive* (University of St Andrews, 2005).
9. I.N. Herstein: *Topics in Algebra*. ISBN 0-471-02371-X
10. R.B.J.T. Allenby: *Rings, Fields and Groups*. ISBN 0-340-54440-6
11. L. Euler: *Elements of Algebra*, ISBN 978-1-89961-873-6

Linear Algebra: Elementary

12. Anton, Howard. *Elementary Linear Algebra*, New York, NY: John Wiley, 1973, 1991. Sixth Edition.
13. Banchoff, Thomas F. and Wermer, John. *Linear Algebra Through Geometry* New York, NY: Springer-Verlag, 1983.
14. Bloom, David M. *Linear Algebra and Geometry* New York, NY: Cambridge University Press, 1979.

15. Curtis, Charles W. *Linear Algebra: An Introductory Approach*, New York, NY: Springer-Verlag, 1984. Fourth Edition.
16. Damiano, David B. and Little, John B. *A Course in Linear Algebra* San Diego, CA: Harcourt Brace Jovanovich, 1988.
17. Fraleigh, John B. and Beauregard, Raymond A. *Linear Algebra*, Reading, MA: Addison-Wesley, 1990. Second Edition.
18. Greub, Werner. *Linear Algebra*, New York, NY: Springer-Verlag, 1975. Fourth Edition.
19. Grossman, Stanley I. *Elementary Linear Algebra*, Philadelphia, PA: Saunders College, 1980, 1991. Fourth Edition.
20. Jacob, Bill. *Linear Algebra* New York, NY: W.H. Freeman, 1990.
21. Kumpel, P.G. and Thorpe, John A. *Linear Algebra with Applications to Differential Equations* Philadelphia, PA: Saunders College, 1983.
22. Lang, Serge. *Introduction to Linear Algebra*, New York, NY: Springer-Verlag, 1986. Second Edition.
23. Leon, Steven J. *Linear Algebra with Applications*, New York, NY: Macmillan, 1980, 1986. Third Edition.
24. Lipschutz, Seymour. Schaum's Solved Problems Series: 3000 Solved Problems in Linear Algebra New York, NY: McGraw-Hill, 1989.
25. Noble, Ben and Daniel, James W. *Applied Linear Algebra*, Englewood Cliffs, NJ: Prentice Hall, 1969, 1988. Third Edition.
26. O'Nan, Michael and Enderton, Herbert B. *Linear Algebra*, San Diego, CA: Harcourt Brace Jovanovich, 1990. Third Edition.
27. Rorres, Chris and Anton, Howard. *Applications of Linear Algebra*, New York, NY: John Wiley, 1977, 1984. Third Edition.
28. Rothenberg, Ronald I. *Linear Algebra with Computer Applications* New York, NY: John Wiley, 1983.
29. Smith, Larry. *Linear Algebra* New York, NY: Springer-Verlag, 1978.
30. Strang, Gilbert. *Linear Algebra and Its Applications*, San Diego, CA: Harcourt Brace Jovanovich, 1988. Third Edition.
31. Towers, David A. *Guide to Linear Algebra* Houndmills, England: Macmillan Education, 1988.
32. Tucker, Alan. *A Unified Introduction to Linear Algebra: Models, Methods, and Theory* New York, NY: Macmillan, 1988.

Linear Algebra: Advanced

33. Brown, William C. *A Second Course in Linear Algebra* New York, NY: John Wiley, 1988.
34. Dieudonne, Jean. *Linear Algebra and Geometry* Boston, MA: Houghton Mifflin, 1969.
35. Halmos, Paul R. *Finite-Dimensional Vector Spaces* New York, NY: Springer-Verlag, 1968, 1974.
36. Herstein, I.N. and Winter, David J. *Matrix Theory and Linear Algebra* New York, NY: Macmillan, 1968, 1988.
37. Hoffman, Kenneth and Kunze, Ray. *Linear Algebra*, Englewood Cliffs, NJ: Prentice Hall, 1971. Second Edition.
38. Jarvinen, Richard D. *Finite and Infinite Dimensional Linear Spaces: A Comparative Study in Algebraic and Analytic Settings* New York, NY: Marcel Dekker, 1981.
39. Kaplansky, Irving. *Linear Algebra and Geometry: A Second Course* New York, NY: Chelsea, 1974.
40. Lang, Serge. *Linear Algebra*, New York, NY: Springer-Verlag, 1987. Third Edition.
41. Shilov, G.E. *Linear Algebra* Englewood Cliffs, NJ: Prentice Hall, 1971.

Linear Algebra: Matrix Theory

42. Berman, Abraham and Plemmons, Robert J. *Nonnegative Matrices in the Mathematical Sciences* New York, NY: Academic Press, 1979.
43. Davis, Philip J. *Circulant Matrices* New York, NY: John Wiley, 1979.
44. Gantmacher, Felix. *Matrix Theory*, New York, NY: Chelsea, 1959. 2 Vols.
45. Graybill, Franklin A. *Introduction to Matrices with Applications in Statistics* Belmont, CA: Wadsworth, 1969.
46. Horn, Roger A. and Johnson, Charles R. *Matrix Analysis* New York, NY: Cambridge University Press, 1985.
47. Householder, Alston S. *The Theory of Matrices in Numerical Analysis* New York, NY: Blaisdell, 1964.
48. Iohvidov, I.S. *Hankel and Toeplitz Matrices and Forms: Algebraic Theory* New York, NY: Birkhauser, 1982.
49. Johnson, Charles R., ed. *Matrix Theory and Applications* Providence, RI: American Mathematical Society, 1990.

50. Lancaster, Peter and Tismenetsky, Miron. *The Theory of Matrices*, New York, NY: Academic Press, 1985. Second Edition with Applications.
51. Marcus, Marvin and Minc, Henryk. *Survey of Matrix Theory and Matrix Inequalities* Boston, MA: Allyn and Bacon, 1964.
52. Minc, Henryk. *Nonnegative Matrices* New York, NY: John Wiley, 1988.
53. Muir, Thomas. *A Treatise on the Theory of Determinants* Mineola, NY: Dover, 1933.
54. Newman, Morris. *Integral Matrices* New York, NY: Academic Press, 1972.
55. Perlis, Sam. *Theory of Matrices* Reading, MA: Addison-Wesley, 1952.
56. Pullman, N.J. *Matrix Theory and its Applications: Selected Topics* New York, NY: Marcel Dekker, 1976.
57. Wedderburn, J.H.M. *Lectures on Matrices* Mineola, NY: Dover, 1934, 1964.

58. Campbell, S.L. and Meyer, C.D., Jr. *Generalized Inverses of Linear Transformations* Brooklyn, NY: Pitman, 1979.
59. Goodbody, A.M. *Cartesian Tensors: With Applications to Mechanics, Fluid Mechanics and Elasticity* New York, NY: Halsted Press, 1982.
60. Greub, Werner. *Multilinear Algebra*, New York, NY: Springer-Verlag, 1978. Second Edition.
61. Roman, Steven. *The Umbral Calculus* New York, NY: Academic Press, 1984.
62. G. H. Golub, C. F. Van Loan, *Matrix Computations* (3rd Ed, 1996), Johns Hopkins University Press, ISBN 0-8018-5414-8.

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