

Mathematical Physics 1: Linear algebra
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Some text books for linear algebra

- C. Lanczos, Applied analysis - chapter 2 on matrices and eigenvalue problems
- C. Lanczos, Linear differential operators, chapter 3 on matrix calculus
- T. M. Apostol, Calculus Vol 2, chapters 1-5
- Gilbert Strang, Introduction to linear algebra
- Courant and Hilbert, Methods of mathematical physics, Vol 1
- Arfken and Weber, Mathematical methods for physicists
- Sheldon Axler, Linear algebra done right
- P.R. Halmos, Finite-dimensional vector spaces
- Serge Lang, Introduction to linear algebra
- Erwin Kreyszig, Advanced engineering mathematics

In addition, there are several books in the CMI library that cover linear algebra. Look under Dewey classification 512.5 for books from a mathematical viewpoint and under 530.15 for books on mathematical methods for physicists (eg. the book by Dettman or others such as 530.15 CAN, DEN, DET, COU, DAS, JEF)