

Linear Algebra For Everyone

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Elementary Algebra: Designed as a First Book of Algebra for All Grades of Students
Basic Math & Pre-Algebra All-in-One For Dummies (+ Chapter Quizzes Online)
Algebra I For Dummies
Algebra for Everyone
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High Expectations
Today's Mathematics, Activities and Instructional Ideas
The Electrician
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Gerald Watkins
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John Houston Banks

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linear algebra has become the subject to know for people in quantitative disciplines of all kinds no longer the exclusive domain of mathematicians and engineers it is now used everywhere there is data and everybody who works with data needs to know more this new book from professor gilbert strang author of the acclaimed introduction to linear algebra now in its fifth edition makes linear algebra accessible to everybody not just those with a strong background in mathematics it takes a more active start beginning by finding independent columns of small matrices leading to the key concepts of linear combinations and rank and column space from there it passes on to the classical topics of solving linear equations orthogonality linear transformations and subspaces all clearly explained with many examples and exercises the last major topics are eigenvalues and the important singular value decomposition illustrated with applications to differential equations and image compression a final optional chapter explores the ideas behind deep learning

this book provides students with the rudiments of linear algebra a fundamental subject for students in all areas of science and technology the book would also be good for statistics students studying linear algebra it is the translation of a successful textbook currently being used in italy the author is a mathematician sensitive to the needs of a general audience in addition to introducing fundamental ideas in linear algebra through a wide variety of interesting examples the book also discusses topics not usually covered in an elementary text e g the cost of operations generalized inverses approximate solutions the challenge is to show why the everyone in the title can find linear algebra useful and easy to learn the translation has been prepared by a native english speaking mathematician professor anthony v geramita

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this book consists of interviews with the most important mathematics educators of our time these interviews were originally published in the international journal for the history of mathematics education and are now being offered to a wider readership for the first time collected in a single volume among the individuals interviewed are scholars from brazil france germany russia the united kingdom and the united states who have made a significant impact on the development of mathematics education in their countries and internationally the interviews cover their biographies including their memories of their own studies in mathematics and their intellectual formation their experience as researchers and teachers and their visions of the history and future development of mathematics education the book will be of interest to anyone involved in research in mathematics education and anyone interested in the history of mathematics education

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