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Descrizione fisica	1 online resource (XVI, 538 p. 171 illus. in color.)
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Nota di contenuto	Part 1 Algebra -- Chapter 1 Numbers -- Chapter 2 Polynomials -- Chapter 3 Linear Equations and Inequalities -- Chapter 4 Irrational Equations -- Chapter 5 Logarithmic and Exponential Functions -- Part 2 Trigonometry and Complex Algebra -- Chapter 6 Elements of Analytic Geometry -- Chapter 7 Trigonometry -- Chapter 8 Complex Algebra -- Chapter 9 Bode plot -- Part 3 Linear Algebra -- Chapter 10 Linear Algebra.
Sommario/riassunto	This textbook is a complete, self-sufficient, self-study/tutorial-type source of mathematical problems. It serves as a primary source for practicing and developing mathematical skills and techniques that will be essential in future studies and engineering practice. Rigor and mathematical formalism is drastically reduced, while the main focus is on developing practical skills and techniques for solving mathematical problems, given in forms typically found in engineering and science. These practical techniques are split into three separate books: the topics of algebra, complex algebra, and linear algebra (Vol. I), calculus of single and multiple argument functions (Vol. II), continues and discrete Convolution and Fourier integrals/sums of typical functions

used in signal processing, and Laplace transform examples (Vol. III).
Offers a large collection of progressively more sophisticated problems
on main mathematical topics; Provides, at the beginning of each topic,
a brief review of definitions and formulas that are about to be used;
Includes tutorial-style, complete solutions, to all problems.
