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Nota di contenuto	Part I -- Limits -- Introduction to Continuity -- Sets of Real Numbers -- Counting -- Continuity -- Derivatives and their Applications -- The Riemann Integral -- The Logarithm and the Exponential Function -- Part II -- Convergence of Sequences -- Series -- Trigonometric Functions and Applications -- Fourier Series -- Topology -- Appendices.
Sommario/riassunto	This textbook features applications including a proof of the Fundamental Theorem of Algebra, space filling curves, and the theory of irrational numbers. In addition to the standard results of advanced calculus, the book contains several interesting applications of these results. The text is intended to form a bridge between calculus and analysis. It is based on the authors lecture notes used and revised nearly every year over the last decade. The book contains numerous illustrations and cross references throughout, as well as exercises with solutions at the end of each section.