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Titolo	Differential equations and linear algebra // C. Henry Edwards, David E. Penney
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ISBN	1-292-05280-5
Edizione	[Third, Pearson new international edition.]
Descrizione fisica	1 online resource (690 pages) : illustrations
Collana	Always learning
Disciplina	515.35
Soggetti	Differential equations
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Cover -- Table of Contents -- Chapter 1. First-Order Differential Equations -- Chapter 2. Mathematical Models and Numerical Methods -- Chapter 3. Linear Systems and Matrices -- Chapter 4. Vector Spaces -- Chapter 5. Higher-Order Linear Differential Equations -- Chapter 6. Eigenvalues and Eigenvectors -- Chapter 7. Linear Systems of Differential Equations -- Chapter 8. Matrix Exponential Methods -- Chapter 9. Nonlinear Systems and Phenomena -- Chapter 10. Laplace Transform Methods -- References for Further Study -- Answers to Selected Problems -- Index.
Sommario/riassunto	For courses in Differential Equations and Linear Algebra. Acclaimed authors Edwards and Penney combine core topics in elementary differential equations with those concepts and methods of elementary linear algebra needed for a contemporary combined introduction to differential equations and linear algebra. Known for its real-world applications and its blend of algebraic and geometric approaches, this text discusses mathematical modeling of real-world phenomena, with a fresh new computational and qualitative flavor evident throughout in figures, examples, problems, and applications. In the Third Edition, new graphics and narrative have been added as needed-yet the proven chapter and section structure remains unchanged, so that class notes and syllabi will not require revision for the new edition.