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Descrizione fisica	1 online resource (ii, 868 pages) : illustrations
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Soggetti	Differential equations
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Note generali	"Always Learning" "Pearson Custom Library" "From the Fundamentals of different equations and boundary value problems 6th edition ©2012"
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Linear First-Order Equations -- 1. Introduction -- 2. First-Order Differential Equations -- 3. Mathematical Models and Numerical Methods Involving First-Order Equations -- 4. Linear Second-Order Equations -- 5. Introduction to Systems and Phase Plane Analysis -- 6. Theory of Higher-Order Linear Differential Equations -- 7. Laplace Transforms -- 8. Series Solutions of Differential Equations -- 9. Matrix Methods for Linear Systems -- 10. Partial Differential Equations -- 11. Eigenvalue Problems and Sturm-Liouville Equations -- 12. Stability of Autonomous Systems -- 13. Existence and Uniqueness Theory.
Sommario/riassunto	Fundamentals of Differential Equations presents the basic theory of differential equations and offers a variety of modern applications in science and engineering. Available in two versions, these flexible texts offer the instructor many choices in syllabus design, course emphasis (theory, methodology, applications, and numerical methods), and in using commercially available computer software. Fundamentals of Differential Equations, Eighth Edition is suitable for a one-semester sophomore- or junior-level course. Fundamentals of Differential Equations with Boundary Value Problems, Sixth Edition, contains enough material for a two-semester course that covers and builds on boundary value problems. The Boundary Value Problems version

consists of the main text plus three additional chapters (Eigenvalue Problems and Sturm-Liouville Equations; Stability of Autonomous Systems; and Existence and Uniqueness Theory).
