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	Autore	Edwards C. Henry (Charles Henry), <1937->
	Titolo	Elementary differential equations with boundary value problems / / C. Henry Edwards, David E. Penney
	Pubbl/distr/stampa	Harlow, Essex : , : Pearson, , [2014] Â©2014
	ISBN	1-292-03789-X
	Edizione	[Sixth, Pearson new international edition.]
	Descrizione fisica	1 online resource (760 pages) : illustrations (some color)
	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 contenuto	Cover -- Table of Contents -- Table of Laplace Transforms -- Table of Integrals -- Chapter 1. First-Order Differential Equations -- Chapter 2. Linear Equations of Higher Order -- Chapter 3. Power Series Methods -- Chapter 4. Laplace Transform Methods -- Chapter 5. Linear Systems of Differential Equations -- Chapter 6. Numerical Methods -- Chapter 7. Nonlinear Systems and Phenomena -- Chapter 9. Eigenvalues and Boundary Value Problems -- Chapter 8. Fourier Series Methods -- Appendix: Existence and Uniqueness of Solutions -- Answers to Selected Problems.
	Sommario/riassunto	For briefer traditional courses in elementary differential equations that science, engineering, and mathematics students take following calculus. The Sixth Edition of this widely adopted book remains the same classic differential equations text it's always been, but has been polished and sharpened to serve both instructors and students even more effectively.Edwards and Penney teach students to first solve those differential equations that have the most frequent and interesting applications. Precise and clear-cut statements of fundamental existence and uniqueness theorems allow understanding of their role in this subject. A strong numerical approach emphasizes that the effective and reliable use of numerical methods often requires preliminary analysis using standard elementary techniques.