

1. Record Nr.	UNINA9910300251203321
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Titolo	Differential Equations: Methods and Applications // by Belkacem Said-Houari
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2015
ISBN	3-319-25735-8
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (X, 212 p. 30 illus.)
Collana	Compact Textbooks in Mathematics, , 2296-4568
Disciplina	515.35
Soggetti	Difference equations Functional equations Differential equations Difference and Functional Equations Ordinary Differential Equations
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	Preface -- 1. Modelling and definitions -- 2. First-order differential equations -- 3. Linear second-order equations -- 4. Laplace Transforms -- 5. Power series solution -- 6. Systems of differential equations -- 7. Qualitative theory -- Index.
Sommario/riassunto	This book presents a variety of techniques for solving ordinary differential equations analytically and features a wealth of examples. Focusing on the modeling of real-world phenomena, it begins with a basic introduction to differential equations, followed by linear and nonlinear first order equations and a detailed treatment of the second order linear equations. After presenting solution methods for the Laplace transform and power series, it lastly presents systems of equations and offers an introduction to the stability theory. To help readers practice the theory covered, two types of exercises are provided: those that illustrate the general theory, and others designed to expand on the text material. Detailed solutions to all the exercises are included. The book is excellently suited for use as a textbook for an undergraduate class (of all disciplines) in ordinary differential equations. .

