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Titolo	Integral Equations on Time Scales // by Svetlin G. Georgiev
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ISBN	94-6239-228-5
Edizione	[1st ed. 2016.]
Descrizione fisica	1 online resource (IX, 402 p.)
Collana	Atlantis Studies in Dynamical Systems, , 2213-3534 ; ; 5
Disciplina	515.352
Soggetti	Differential equations Integral equations Numerical analysis Functional analysis Differential Equations Integral Equations Numerical Analysis Functional Analysis
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	1. Elements of the Time Scale Calculus -- 2. Introductory Concepts of Integral Equations on Time Scales -- 3. Generalized Volterra Integral Equations -- 4. Generalized Volterra Integro-Differential Equations -- 5. Generalized Fredholm Integral Equations -- 6. Hilbert-Schmidt Theory of Generalized Integral Equations with Symmetric Kernels -- 7. The Laplace Transform Method -- 8. The Series Solution Method -- 9. Non-Linear Generalized Integral Equations.
Sommario/riassunto	This book offers the reader an overview of recent developments of integral equations on time scales. It also contains elegant analytical and numerical methods. This book is primarily intended for senior undergraduate students and beginning graduate students of engineering and science courses. The students in mathematical and physical sciences will find many sections of direct relevance. The book contains nine chapters and each chapter is pedagogically organized. This book is specially designed for those who wish to understand integral equations on time scales without having extensive

mathematical background.
