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Titolo	Impulsive differential inclusions : a fixed point approach / / by John R. Graef, Johnny Henderson, Abdelghani Ouahab
Pubbl/distr/stampa	Berlin ; ; Boston : , : Walter de Gruyter GmbH & Co., KG, , [2013] ©2013
ISBN	3-11-029531-8
Descrizione fisica	1 online resource (412 p.)
Collana	De Gruyter Series in Nonlinear Analysis and Applications ; ; 20
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Altri autori (Persone)	HendersonJohnny OuahabAbdelghani
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Nota di contenuto	Front matter -- Contents -- Notations -- Chapter 1. Introduction and Motivations -- Chapter 2. Preliminaries -- Chapter 3. FDEs with Infinite Delay -- Chapter 4. Boundary Value Problems on Infinite Intervals -- Chapter 5. Differential Inclusions -- Chapter 6. Differential Inclusions with Infinite Delay -- Chapter 7. Impulsive FDEs with Variable Times -- Chapter 8. Neutral Differential Inclusions -- Chapter 9. Topology and Geometry of Solution Sets -- Chapter 10. Impulsive Semilinear Differential Inclusions -- Chapter 11. Selected Topics -- Appendix -- Bibliography -- Index
Sommario/riassunto	Differential equations with impulses arise as models of many evolving processes that are subject to abrupt changes, such as shocks, harvesting, and natural disasters. These phenomena involve short-term perturbations from continuous and smooth dynamics, whose duration is negligible in comparison with the duration of an entire evolution. In models involving such perturbations, it is natural to assume these perturbations act instantaneously or in the form of impulses. As a consequence, impulsive differential equations have been developed in modeling impulsive problems in physics, population dynamics, ecology,

biotechnology, industrial robotics, pharmacokinetics, optimal control, and so forth. There are also many different studies in biology and medicine for which impulsive differential equations provide good models. During the last 10 years, the authors have been responsible for extensive contributions to the literature on impulsive differential inclusions via fixed point methods. This book is motivated by that research as the authors endeavor to bring under one cover much of those results along with results by other researchers either affecting or affected by the authors' work. The questions of existence and stability of solutions for different classes of initial value problems for impulsive differential equations and inclusions with fixed and variable moments are considered in detail. Attention is also given to boundary value problems. In addition, since differential equations can be viewed as special cases of differential inclusions, significant attention is also given to relative questions concerning differential equations. This monograph addresses a variety of side issues that arise from its simpler beginnings as well.

2. Record Nr.	UNINA9910812070103321
Autore	Brennan Clara
Titolo	Spine // Clara Brennan
Pubbl/distr/stampa	London : , : Oberon Books, , 2014
ISBN	1-78319-665-3
Descrizione fisica	1 online resource (58 p.)
Disciplina	822.914
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Sommario/riassunto	Spine charts the explosive friendship between a ferocious, wise-cracking teenager and an elderly East End widow. In this era of damaging coalition cuts and disillusionment, has politics forgotten

people? Can we really take the power back? Amy is about to find out.
Spine was originally presented by FoolsCap in association with Soho
Theatre at Underbelly as part of the Edinburgh Fringe Festival 2014.
