1.	Record Nr.	UNINA9910786291203321
	Autore	Gretlund Jan Nordby
	Titolo	Still in Print : The Southern Novel Today [[electronic resource]]
	Pubbl/distr/stampa	Columbia, SC, USA, : University of South Carolina Press, 20130101 University of South Carolina Press
	ISBN	1-283-98319-2 1-61117-264-0
	Descrizione fisica	1 online resource (296 p.)
	Disciplina	813/.609975
	Soggetti	LITERARY CRITICISM American / General American fiction - History and criticism - 21st century - Southern States American fiction - History and criticism English Languages & Literatures American Literature
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	Bibliographic Level Mode of Issuance: Monograph

2. Record Nr.	UNINA9910299995303321
Autore	Awrejcewicz Jan
Titolo	Ordinary Differential Equations and Mechanical Systems / / by Jan Awrejcewicz
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2014
ISBN	3-319-07659-0
Edizione	[1st ed. 2014.]
Descrizione fisica	1 online resource (621 p.)
Disciplina	003.3 510 515.352 515.39
Soggetti	Differential equations Mechanics Mathematical models Dynamics Differential Equations Classical Mechanics Mathematical Modeling and Industrial Mathematics Dynamical Systems
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	1. Introduction -- 2. First order ODEs -- 3. Second order ODEs -- 4. Linear ODEs -- 5. Higher-order ODEs polynomial form -- 6. Systems -- 7. Theory and criteria of similarity -- 8. Model and modeling -- 9. Phase plane and phase space -- 10. Stability -- 11. Modeling via perturbation methods -- 12. Continualization and discretization -- 13. Bifurcations -- 14. Optimization of systems -- 15. Chaos and synchronization.
Sommario/riassunto	This book applies a step-by-step treatment of the current state-of-the-art of ordinary differential equations used in modeling of engineering systems/processes and beyond. It covers systematically ordered problems, beginning with first and second order ODEs, linear

and higher-order ODEs of polynomial form, theory and criteria of similarity, modeling approaches, phase plane and phase space concepts, stability optimization, and ending on chaos and synchronization. Presenting both an overview of the theory of the introductory differential equations in the context of applicability and a systematic treatment of modeling of numerous engineering and physical problems through linear and non-linear ODEs, the volume is self-contained, yet serves both scientific and engineering interests. The presentation relies on a general treatment, analytical and numerical methods, concrete examples, and engineering intuition. The scientific background used is well balanced between elementary and advanced level, making it as a unique self-contained source for both theoretically and application oriented graduate and doctoral students, university teachers, researchers and engineers of mechanical, civil and mechatronic engineering.