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Autore	Zeraoulia Elhadj
Titolo	2-D quadratic maps and 3-D ODE systems [[electronic resource]] : a rigorous approach // Elhadj Zeraoulia, Julien Clinton Sprott
Pubbl/distr/stampa	Singapore ; ; Hackensack, N.J., : World Scientific Pub. Co., c2010
ISBN	1-283-14459-X 9786613144591 981-4307-75-0
Descrizione fisica	1 online resource (342 p.)
Collana	World Scientific series on nonlinear science. Series A, Monographs and treatises, , 1793-1010 ; ; v. 73
Altri autori (Persone)	SprottJulien C
Disciplina	515.352
Soggetti	Forms, Quadratic Differential equations, Linear Bifurcation theory Differentiable dynamical systems Proof theory Electronic books.
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 and index.
Nota di contenuto	Preface; Contents; Acknowledgements; 1. Tools for the rigorous proof of chaos and bifurcations; 2. 2-D quadratic maps: The invertible case; 3. Classification of chaotic orbits of the general 2-D quadratic map; 4. Rigorous proof of chaos in the double-scroll system; 5. Rigorous analysis of bifurcation phenomena; Bibliography; Index
Sommario/riassunto	This book is based on research on the rigorous proof of chaos and bifurcations in 2-D quadratic maps, especially the invertible case such as the Hnon map, and in 3-D ODE's, especially piecewise linear systems such as the Chua's circuit. In addition, the book covers some recent works in the field of general 2-D quadratic maps, especially their classification into equivalence classes, and finding regions for chaos, hyperchaos, and non-chaos in the space of bifurcation parameters. Following the main introduction to the rigorous tools used to prove chaos and bifurcations in the two representative systems, is the study of the invertible case of the 2-D quadratic map, where

previous works are oriented toward Hnon mapping. 2-D quadratic maps are then classified into 30 maps with well-known formulas. Two proofs on the regions for chaos, hyperchaos, and non-chaos in the space of the bifurcation parameters are presented using a technique based on the second-derivative test and bounds for Lyapunov exponents. Also included is the proof of chaos in the piecewise linear Chua's system using two methods, the first of which is based on the construction of Poincare map, and the second is based on a computer-assisted proof. Finally, a rigorous analysis is provided on the bifurcational phenomena in the piecewise linear Chua's system using both an analytical 2-D mapping and a 1-D approximated Poincare mapping in addition to other analytical methods.

2. Record Nr.	UNINA9910528896103321
Autore	Metcalf Linda
Titolo	Solution focused narrative therapy // Linda Metcalf
Pubbl/distr/stampa	New York, New York : , : Springer Publishing Company, , [2017] ©2017
ISBN	9780826131775 0826131778
Descrizione fisica	1 online resource (213 pages)
Disciplina	616.89165
Soggetti	Narrative therapy Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Sommario/riassunto	Introduces a Powerful New Brief Therapy Approach This groundbreaking book is the first to provide a comprehensive model for effectively blending the two main postmodern brief therapy approaches: solution-focused and narrative therapies. It harnesses the power of both models—the strengths-based, problem-solving approach of SFT and the value-honoring and re-descriptive approach

of Narrative Therapy--to offer brief, effective help to clients that builds on their strengths and abilities to envision and craft preferred outcomes. Authored by a leading trainer, teacher, and practitioner in the field, the book provides an overview of the history of both models and outlines their differences, similarities, limitations and strengths. It then demonstrates how to blend these two approaches in working with such issues as trauma, addictions, grief, relationship issues, family therapy and mood issues. Each concern is illustrated with a case study from practice with individual adults, adolescents, children, and families. Useful client dialogue and forms are included to help the clinician guide clients in practice. Each chapter concludes with a summary describing and reinforcing the principles of the topic and a personal exercise so the reader can experience the approach first hand. Key Features:

- Describes how two popular postmodern therapy models are combined to create a powerful new therapeutic approach—the first book to do so
- Includes case studies reflecting the model's use with individual adults, children, adolescents, and families
- Provides supporting dialogue and forms for practitioners
- Authored by a leading figure in SFT and its application in a variety of setting
- Presents an overview of the history of both models
