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Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	VIBRO-IMPACT DYNAMICS; Contents; Preface; 1 Introduction; 1.1 Discrete and Discontinuous Systems; 1.1.1 Discrete Dynamical Systems; 1.1.2 Discontinuous Dynamical Systems; 1.2 Fermi Oscillators and Impact Problems; 1.3 Book Layout; 2 Nonlinear Discrete Systems; 2.1 Definitions; 2.2 Fixed Points and Stability; 2.3 Stability Switching Theory; 2.4 Bifurcation Theory; 3 Complete Dynamics and Fractality; 3.1 Complete Dynamics of Discrete Systems; 3.2 Routes to Chaos; 3.2.1 One-Dimensional Maps; 3.2.2 Two-Dimensional Systems; 3.3 Complete Dynamics of the Henon Map; 3.4 Similarity and Multifractals 3.4.1 Similar Structures in Period Doubling3.4.2 Fractality of Chaos via PD Bifurcation; 3.4.3 An Example; 3.5 Complete Dynamics of Logistic Map; 4 Discontinuous Dynamical Systems; 4.1 Basic Concepts; 4.2 G-Functions; 4.3 Passable Flows; 4.4 Non-Passable Flows; 4.5 Grazing Flows; 4.6 Flow Switching Bifurcations; 5 Nonlinear Dynamics of Bouncing Balls; 5.1 Analytic Dynamics of Bouncing Balls; 5.1.1 Periodic Motions; 5.1.2 Stability and Bifurcation; 5.1.3 Numerical Illustrations; 5.2 Period-m Motions; 5.3 Complex Dynamics; 5.4 Complex Periodic Motions; 6 Complex Dynamics of Impact Pairs

6.1 Impact Pairs 6.2 Analytical, Simplest Periodic Motions; 6.2.1 Asymmetric Period-1 Motion; 6.2.2 Stability and Bifurcation; 6.2.3 Numerical Illustrations; 6.3 Possible Impact Motion Sequences; 6.4 Grazing Dynamics and Stick Motions; 6.5 Mapping Structures and Periodic Motions; 6.6 Stability and Bifurcation; 7 Nonlinear Dynamics of Fermi Oscillators; 7.1 Mapping Dynamics; 7.2 A Fermi Oscillator; 7.2.1 Absolute Description; 7.2.2 Relative Description; 7.3 Analytical Conditions; 7.4 Mapping Structures and Motions; 7.4.1 Switching Sets and Generic Mappings; 7.4.2 Motions with Mapping Structures 7.4.3 Periodic Motions and Local Stability 7.5 Predictions and Simulations; 7.5.1 Bifurcation Scenario; 7.5.2 Analytical Prediction; 7.5.3 Numerical Simulations; Appendix 7.A; References; Index

Sommario/riassunto

Presents a systematic view of vibro-impact dynamics based on the nonlinear dynamics analysis. Comprehensive understanding of any vibro-impact system is critically impeded by the lack of analytical tools viable for properly characterizing grazing bifurcation. The authors establish vibro-impact dynamics as a subset of the theory of discontinuous systems, thus enabling all vibro-impact systems to be explored and characterized for applications. Vibro-impact Dynamics presents an original theoretical way of analyzing the behavior of vibro-impact dynamics that can be exte

2. Record Nr.	UNINA9910963316403321
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ISBN	9781607327424 1607327422
Descrizione fisica	1 online resource (xiii, 305 pages) : illustrations
Disciplina	972.81
Soggetti	Inscriptions, Mayan Monuments - Mexico - Palenque (Chiapas) Narrative art - Mexico Mayas - Antiquities Electronic books. Palenque (Chiapas, Mexico) Antiquities Mexico Antiquities
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	The creator grandparents and the place of duality -- The family of the creator grandparents and complementary opposition -- The calendar and the narrative time frame -- The literary nature of Mayan texts, ancient and modern -- Text and image -- The Palenque Tablet of the 96 Glyphs -- The narrative of the Palenque Temple of the Inscriptions sarcophagus -- The Palenque Cross Group narrative.
Sommario/riassunto	"A comprehensive and innovative analysis of the principles of Classic Maya narrative arts and applying those principles to major Palenque monuments. Demonstrating recent methodological shifts in the examination of art and inscriptions away from technical issues and toward the poetics and narratives of texts including relationships between images"--Provided by publisher.