

1. Record Nr.	UNINA9910139032503321
Autore	Bastien Jerome
Titolo	Non-smooth deterministic or stochastic discrete dynamical systems [[electronic resource]] : applications to models with friction or impact / / Jerome Bastien, Frederic Bernardin, Claude-Henri Lamarque
Pubbl/distr/stampa	London, : ISTE Hoboken, N.J., : Wiley, 2013
ISBN	1-118-60408-3 1-118-60404-0 1-299-40244-5 1-118-60432-6
Descrizione fisica	1 online resource (514 p.)
Collana	Mechanical engineering and solid mechanics series
Altri autori (Persone)	BernardinFrederic LamarqueClaude-Henri
Disciplina	620.00151539
Soggetti	Dynamics - Mathematical models Friction - Mathematical models Impact - Mathematical models
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	Title Page; Contents; Introduction; Chapter 1. Some Simple Examples; 1.1. Introduction; 1.2. Frictions; 1.2.1. Coulomb's law; 1.2.2. Differential equation with univalued operator and usual sign; 1.2.3. Differential equation with multivalued term: differential inclusion; 1.2.4. Other friction laws; 1.3. Impact; 1.3.1. Difficulties with writing the differential equation; 1.3.2. Ill-posed problems; 1.4. Probabilistic context; Chapter 2. Theoretical Deterministic Context; 2.1. Introduction; 2.2. Maximal monotone operators and first result on differential inclusions (in R) 2.2.1. Graphs (operators) definitions2.2.2. Maximal monotone operators; 2.2.3. Convex function, sub-differentials and operators; 2.2.4. Resolvent and regularization; 2.2.5. Taking the limit; 2.2.6. First result of existence and uniqueness for a differential inclusion; 2.3. Extension to any Hilbert space; 2.4. Existence and uniqueness results in Hilbert space; 2.5. Numerical scheme in a Hilbert space; 2.5.1. The

numerical scheme; 2.5.2. State of the art summary and results shown in this publication; 2.5.3. Convergence (general results and order 1/2); 2.5.4. Convergence (order one) 2.5.5. Change of scalar product 2.5.6. Resolvent calculation; 2.5.7. More regular schemes; Chapter 3. Stochastic Theoretical Context; 3.1. Introduction; 3.2. Stochastic integral; 3.2.1. The stochastic processes background; 3.2.2. Stochastic integral; 3.3. Stochastic differential equations; 3.3.1. Existence and uniqueness of strong solution; 3.3.2. Existence and uniqueness of weak solution; 3.3.3. Kolmogorov and Fokker-Planck equations; 3.4. Multivalued stochastic differential equations; 3.4.1. Problem statement; 3.4.2. Uniqueness and existence results; 3.5. Numerical scheme 3.5.1. Which convergence: weak or strong? 3.5.2. Strong convergence results; 3.5.3. Weak convergence results; Chapter 4. Riemannian Theoretical Context; 4.1. Introduction; 4.2. First or second order; 4.3. Differential geometry; 4.3.1. Sphere case; 4.3.2. General case; 4.4. Dynamics of the mechanical systems; 4.4.1. Definition of mechanical system; 4.4.2. Equation of the dynamics; 4.5. Connection, covariant derivative, geodesics and parallel transport; 4.6. Maximal monotone term; 4.7. Stochastic term; 4.8. Results on the existence and uniqueness of a solution; Chapter 5. Systems with Friction 5.1. Introduction 5.2. Examples of frictional systems with a finite number of degrees of freedom; 5.2.1. General framework; 5.2.2. Two elementary models; 5.2.3. Assembly and results in finite dimensions; 5.2.4. Conclusion; 5.2.5. Examples of numerical simulation; 5.2.6. Identification of the generalized Prandtl model (principles and simulation); 5.3. Another example: the case of a pendulum with friction; 5.3.1. Formulation of the problem, existence and uniqueness; 5.3.2. Numerical scheme; 5.3.3. Numerical estimation of the order; 5.3.4. Example of numerical simulations 5.3.5. Free oscillations

Sommario/riassunto

This book contains theoretical and application-oriented methods to treat models of dynamical systems involving non-smooth nonlinearities. The theoretical approach that has been retained and underlined in this work is associated with differential inclusions of mainly finite dimensional dynamical systems and the introduction of maximal monotone operators (graphs) in order to describe models of impact or friction. The authors of this book master the mathematical, numerical and modeling tools in a particular way so that they can propose all aspects of the approach, in both a deterministic

2. Record Nr.	UNINA9910131533903321
Autore	Adamo Maria Gabriella
Titolo	« La grâce de montrer son âme dans le vêtement » Scrivere di tessuti, abiti, accessori. Studi in onore di Liana Nissim : (TOMO II) - L'Ottocento e il Tournant du Siecle // Marco Modenesi, Maria Benedetta Collini, Francesca Paraboschi
Pubbl/distr/stampa	Milano, : Ledizioni, 2019
ISBN	88-5526-056-1
Descrizione fisica	1 online resource (446 p.)
Collana	Di/segni
Altri autori (Persone)	AltmanovaJana Aruta StampacchiaAnnalisa BattelBrigitte BertozziGabriel-Aldo BevilacquaElisabetta ColliniMaria Benedetta ColomboLaura De FeliciRoberta de PalacioJean DiglioCarolina Di MaioMariella DonatelliBruna DucreyGuy D'AscenzoFederica FerrariSilvio Fusco GirardGiovannella GallinaBernard GoruppiTiziana JullionMarie-Christine LonghiMaria Giulia MadoniaFrancesco Paolo Alexandre MalcovatiFausto MarchettiMarilia Mazzocchi DoglioMariangela Merellolda ModenesiMarco MontandonAlain NaugretteFlorence PalacioMarie-France David-de ParaboschiFrancesca RieszJános RizzoCettina ValentiSimonetta

VernaMaria
ZanolaMaria Teresa
Benedetta ColliniMaria

Soggetti

Literature (General)
Flaubert
français
Québec
francesistica
French

Lingua di pubblicazione

Italiano

Formato

Materiale a stampa

Livello bibliografico

Monografia

Sommario/riassunto

Eminente francesista, Liana Nissim ha dedicato la sua intensa attività di ricerca al XIX secolo, in particolare a Gustave Flaubert e Stéphane Mallarmé. I suoi studi si sono concentrati anche sulle letterature francofone dell’Africa Nera e del Québec, che ha contribuito a introdurre in Italia e a diffondere su scala internazionale. Questo trittico di volumi «La grâce de montrer son âme dans le vêtement». Scrivere di tessuti, abiti e accessori illustra e approfondisce in molteplici direzioni una tematica a lei cara e ampiamente presente nei suoi lavori. Tramite la ricchezza delle metodologie e delle prospettive critiche, la comunità scientifica che ha condiviso con lei la passione per la ricerca e la dedizione alla vita universitaria vuole renderle un omaggio riconoscente.
