

1. Record Nr.	UNINA9910466695003321
Autore	Liu Shiping <1971->
Titolo	Dynamics and control of robotic manipulators with contact and friction // Shiping Liu, Gang (Sheng) Chen
Pubbl/distr/stampa	Hoboken, NJ : , : Wiley, , 2019
ISBN	1-119-42251-5 1-119-42249-3
Edizione	[First edition.]
Descrizione fisica	1 online resource (255 pages)
Disciplina	629.8/933
Soggetti	Robots - Dynamics Manipulators (Mechanism) - Automatic control Tribology Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Sommario/riassunto	A comprehensive guide to the friction, contact and impact on robot control and force feedback mechanism Dynamics and Control of Robotic Manipulators with Contact and Friction offers an authoritative guide to the basic principles of robot dynamics and control with a focus on contact and friction. The authors discuss problems in interaction between human and real or virtual robot where dynamics with friction and contact are relevant. The book fills a void in the literature with a need for a text that considers the contact and friction generated in robot joints during their movements. Designed as a practical resource, the text provides the information needed for task planning in view of contact, impact and friction for the designer of a robot control system for high accuracy and long durability. The authors include a review of the most up-to-date advancements in robot dynamics and control. It contains a comprehensive resource to the effective design and fabrication of robot systems and components for engineering and scientific purposes. This important guide: Offers a comprehensive reference with systematic treatment and a unified framework Includes simulation and experiments used in dynamics and control of robot

considering contact, impact and friction Discusses the most current tribology methodology used to treat the multiple-scale effects Contains valuable descriptions of experiments and software used Presents illustrative accounts on the methods employed to handle friction in the closed loop, including the principles, implementation, application scope, merits and demerits Offers a cohesive treatment that covers tribology and multi-scales, multi-physics and nonlinear stochastic dynamics control Written for graduate students of robotics, mechatronics, mechanical engineering, tracking control and practicing professionals and industrial researchers, Dynamics and Control of Robotic Manipulators with Contact and Friction offers a review to effective design and fabrication of stable and durable robot system and components.

2. Record Nr.	UNINA9910783861403321
Autore	Gourieroux Christian <1949, >
Titolo	Financial econometrics : problems, models, and methods // Christian Gourieroux, Joann Jasiak
Pubbl/distr/stampa	Princeton, N.J. : , : Princeton University Press, , 2001
ISBN	1-134-59111-X 1-134-59112-8 1-280-17725-X 0-203-99073-0
Descrizione fisica	1 online resource (193 pages)
Collana	Routledge Advanced Texts in Economics and Finance
Classificazione	85.03 85.33
Altri autori (Persone)	JasiakJoann <1963->
Disciplina	332.722
Soggetti	Finance - Econometric models Time-series analysis Stochastic processes
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references (pages 451-476) and index.
Nota di contenuto	Intro -- Half-Title -- Title -- Copyright -- Contents -- Detailed contents -- List of illustrations -- Preface -- Acknowledgements -- 1

Stochastic processes and financial time series -- 2 Unit roots, cointegration and other comovements in time series -- 3 Time-varying volatility models - GARCH and stochastic volatility -- 4 Shock persistence and impulse response analysis -- 5 Modelling regime shifts -- 6 Present value models and tests for rationality and market efficiency -- 7 State space models and the Kalman filter -- 8 Frequency domain analysis of time series -- 9 Research tools and sources of information -- Subject index.

Sommario/riassunto

This book which provides an overview of contemporary topics related to the modelling of financial time series, is set against a backdrop of rapid expansions of interest in both the models themselves and the financial problems to which they are applied. This excellent textbook covers all the major developments in the area in recent years in an informative as well as succinct way. Refreshingly, every chapter has a section of two or more examples and a section of empirical literature, offering the reader the opportunity to practice the kind of research going on in the area. This approach helps the reader develop interest, confidence and momentum in learning contemporary econometric topics.
