1. Record Nr. UNINA9910823657203321

Autore	Reble Marcus
Titolo	Model predictive control for nonlinear continuous-time systems with and without time-delays / / vorgelegt von Marcus Reble
Pubbl/distr/stampa	Berlin : , : Logos, , [2013] ©2013
ISBN	3-8325-9362-4
Descrizione fisica	1 online resource (162 pages)
Disciplina	629.8
Soggetti	Predictive control Time delay systems
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	PublicationDate: 20130410
Sommario/riassunto	Long description: The objective of this thesis is the development of novel model predictive control (MPC) schemes for nonlinear continuous-time systems with and without time-delays in the states which guarantee asymptotic stability of the closed-loop. The most well-studied MPC approaches with guaranteed stability use a control Lyapunov function as terminal cost. Since the actual calculation of such a function can be difficult, it is desirable to replace this assumption by a less restrictive controllability assumption. For discrete-time systems, the latter assumption has been used in the literature for the stability analysis of so-called unconstrained MPC, i.e., MPC without terminal cost and terminal constraints. The contributions of this thesis are twofold. In the first part, we propose novel MPC schemes with guaranteed stability based on a controllability assumption, whereas we extend different MPC schemes with guaranteed stability to nonlinear time-delay systems in the second part. In the first part of this thesis, we derive explicit stability conditions on the prediction horizon as well as performance guarantees for unconstrained MPC. Starting from this result, we propose novel alternative MPC formulations based on combinations of the controllability assumption with terminal cost and terminal constraints. One of the main contributions is the development

	of a unifying MPC framework which allows to consider both MPC schemes with terminal cost and terminal constraints as well as unconstrained MPC as limit cases of our framework. In the second part of this thesis, we show that several MPC schemes with and without terminal constraints can be extended to nonlinear time-delay systems. Due to the infinite-dimensional nature of these systems, the problem is more involved and additional assumptions are required in the controller design. We investigate different MPC schemes with and without terminal constraints and/or terminal cost terms and derive novel stability conditions. Furthermore, we pay particular attention to the calculation of the involved control design parameters.

2.

Record Nr.	UNISA996336384203316
Titolo	Diffusion and defect data . Pt. A Defect and diffusion forum : DDF
Pubbl/distr/stampa	Aedermannsdorf, Switzerland, : Trans Tech Publications, c1988- Zuerich-Uetikon, Switzerland, : Scitec Stafa-Zuerich, Switzerland, : Trans Tech Publications
ISSN	1662-9507
Soggetti	Diffusion Solids - Defects
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Periodico
Note generali	Refereed/Peer-reviewed

3. Record Nr. UNINA9910742495703321

Autore	Shang Liang
Titolo	Discrete Choice Experiments Using R : A How-To Guide for Social and Managerial Sciences / / by Liang Shang, Yanto Chandra
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2023
ISBN	981-9945-62-3 9789819945627 9819945623
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (xvi, 203 pages) : illustrations (some color)
Disciplina	301.01 153.8/3
Soggetti	Sociology - Methodology Social sciences - Statistical methods Experimental design Sampling (Statistics) Psychology Psychology - Methodology Sociological Methods Statistics in Social Sciences, Humanities, Law, Education, Behavorial Sciences, Public Policy Design of Experiments Methodology of Data Collection and Processing Behavioral Sciences and Psychology Quantitative Psychology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Chapter 1. An Overview of Stated Preference Methods: What and Why -- Chapter 2. A Comparison of Stated Preference Methods -- Chapter 3. Understanding the Fundamentals of DCE Experiment -- Chapter 4. A Review of R and its Applicability DCE -- Chapter 5. Framing the Research Question and Theory -- Chapter 6. Identifying DCE Attributes and Levels -- Chapter 7. Designing DCE Choice Set using R -- Chapter 8. Designing DCE Survey and Collecting Data -- Chapter 9. Analysing

DCE Data using R -- Chapter 10. Visualizing and Reporting DCE Data Using R.

Sommario/riassunto

This book delivers a user guide reference for researchers seeking to build their capabilities in conducting discrete choice experiment (DCE). The book is born out of the observation of the growing popularity – but lack of understanding – of the techniques to investigate preferences. It acknowledges that these broader decision-making processes are often difficult, or sometimes, impossible to study using conventional methods. While DCE is more mature in certain fields, it is relatively new in disciplines within social and managerial sciences. This text addresses these gaps as the first ‘how-to’ handbook that discusses the design and application of DCE methodology using R for social and managerial science research. Whereas existing books on DCE are either research monographs or largely focused on technical aspects, this book offers a step-by-step application of DCE in R, underpinned by a theoretical discussion on the strengths and weaknesses of the DCE approach, with supporting examples of best practices. Relevant to a broad spectrum of emerging and established researchers who are interested in experimental research techniques, particularly those that pertain to the measurements of preferences and decision-making, it is also useful to policymakers, government officials, and NGOs working in social scientific spaces.

4. Record Nr. UNINA9910164315303321

Titolo	Factors that affect the precision of mechanical tests
Pubbl/distr/stampa	[Place of publication not identified], : ASTM, 1989
ISBN	0-8031-5086-5
Collana	STP Factors that affect the precision of mechanical tests
Disciplina	620.1/1292
Soggetti	Testing Materials - Testing - Congresses Chemical & Materials Engineering Engineering & Applied Sciences Materials Science
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph

5. Record Nr. UNINA9910159382103321

Autore	Spampinato Francesco
Titolo	Les incarnations du son : les métaphores du geste dans l'écoute musicale
Pubbl/distr/stampa	[Place of publication not identified], : Harmattan, 2015
ISBN	2-336-38328-4 2-336-73339-0
Collana	Sâemiotique et philosophie de la musique Les incarnations du son
Disciplina	781.1/1
Soggetti	Music - Physiological aspects Gesture in music - Psychological aspects Movement, Psychology of Music Musical perception Music Philosophy Music, Dance, Drama & Film
Lingua di pubblicazione	Francese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph