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KEY=NONLINEAR - CARDENAS JOHNS

THEORY AND APPLICATIONS OF NONLINEAR CONTROL SYSTEMS

North Holland

CONSTITUTIVE CRIMINOLOGY AT WORK

APPLICATIONS TO CRIME AND JUSTICE

SUNY Press Provides the first applications of constitutive criminology, a theoretical framework inspired by postmodernism, to specific areas of criminological practice.

CHAOS, CRIMINOLOGY, AND SOCIAL JUSTICE

THE NEW ORDERLY (DIS)ORDER

Greenwood Publishing Group The articles in this collection discuss the insights provided by chaos theory in the identification of new theoretical insights and transformative practices for building a just society.

PSYCHOSOCIAL PATHWAYS TOWARDS REINVENTING THE SOUTH AFRICAN UNIVERSITY

WRESTLING WITH THE GHOST OF A BULL

Springer Nature This book proposes a conceptual-empirical framework for exploring forms of continuity and change along psychosocial pathways in South African universities. It illustrates how the psychosocial pathways are grounded in the symbolic narratives and knowledges of young scientists, engineers and architects - all interlocutors in the research from which this book is based. Alala, Mamoratwa, Welile, Odirile, Kaiya, Amirah, Takalani, Nosakhele, Naila, Ambani, Khanyisile, Itumeleng, Ethwasa and Kgnaya provide collective standpoints in the multiplicities within and between the lived lives and told stories of young Black South African women in Science, Technology, Engineering, and Mathematics (STEM) fields. In doing so, this compelling work advances possibilities for demythologising scientific endeavour as a white male achievement and shifting knowledge communities across gendered, racialised, class and national divides. This book presents an innovative narrative methodology, utilising the myth of the Minotaur to examine the state of the university at the heart of the hierarchical labyrinth in “post”-apartheid South Africa. Throughout the work the author wrestles with and self-reflexively highlights her own positionality as a white, middle-class South African woman to examine how this affects the production of this research in ways which serve to preserve the colonial knowledge system. With the rise of the Rhodes Must Fall and Fees Must Fall student movement in South Africa, demanding for the fall of institutionalised racial hierarchies, the author uses the cover image of narrative formations in the spirit of exploration to think with and through undulating networked forms that could possibly forge new psychosocial pathways towards decolonising and reinventing South African universities. This work offers a unique conceptual and methodological resource for students and scholars of psychosocial and narrative theory, as well as those who are concerned about the politics of higher education, both in South Africa and in other contexts around the world.

SPRINGER HANDBOOK OF SYSTEMATIC MUSICOLOGY

Springer This unique reference book offers a holistic description of the multifaceted field of systematic musicology, which is the study of music, its production and perception, and its cultural, historical and philosophical background. The seven sections reflect the main topics in this interdisciplinary subject. The first two parts discuss musical acoustics and signal processing, comprehensively describing the mathematical and physical fundamentals of musical sound generation and propagation. The complex interplay of physiology and psychology involved in sound and music perception is covered in the following sections, with a particular focus on psychoacoustics and the recently evolved research on embodied music cognition. In addition, a huge variety of technical applications for professional training, music composition and consumer electronics are presented. A section on music ethnology completes this comprehensive handbook. Music theory and philosophy of music are imbedded throughout. Carefully edited and written by internationally respected experts, it is an invaluable reference resource for professionals and graduate students alike.

ROBOT CONTROL (SYROCO '85)

PROCEEDINGS OF THE 1ST IFAC SYMPOSIUM, BARCELONA, SPAIN, 6-8 NOVEMBER 1985

Pergamon

AUTOMOTIVE CONTROL SYSTEMS

FOR ENGINE, DRIVELINE, AND VEHICLE

Springer Science & Business Media Written by two of the most respected, experienced and well-known researchers and developers in the field (e.g., Kiencke worked at Bosch where he helped develop anti-breaking system and engine control; Nielsen has lead joint research projects with Scania AB, Mecel AB, Saab Automobile AB, Volvo AB, Fiat GM Powertrain AB, and DaimlerChrysler. Reflecting the trend to optimization through integrative approaches for engine, driveline and vehicle control, this valuable book enables control engineers to understand engine and vehicle models necessary for controller design and also introduces mechanical engineers to vehicle-specific signal processing and automatic control. Emphasis on measurement, comparisons between performance and modelling, and realistic examples derive from the authors' unique industrial experience. The second edition offers new or expanded topics such as diesel-engine modelling, diagnosis and anti-jerking control, and vehicle modelling and parameter estimation. With only a few exceptions, the approaches

COERCIVE CONTROL

THE ENTRAPMENT OF WOMEN IN PERSONAL LIFE

Oxford University Press Drawing on cases, Stark identifies the problems with our current approach to domestic violence, outlines the components of coercive control, and then uses this alternate framework to analyse the cases of battered women charged with criminal offenses directed at their abusers.

JOURNAL OF ECONOMIC DYNAMICS & CONTROL

STOCHASTIC MODELING

A THOROUGH GUIDE TO EVALUATE, PRE-PROCESS, MODEL AND COMPARE TIME SERIES WITH MATLAB SOFTWARE

Elsevier Stochastic Modeling: A Thorough Guide to Evaluate, Pre-Process, Model and Compare Time Series with MATLAB Software allows for new avenues in time series analysis and predictive modeling which summarize more than ten years of experience in the application of stochastic models in environmental problems. The book introduces a variety of different topics in time series in the modeling and prediction of complex environmental systems. Most importantly, all codes are user-friendly and readers will be able to use them for their cases. Users who may not be familiar with MATLAB software can also refer to the appendix. This book also guides the reader step-by-step to learn developed codes for time series modeling, provides required toolboxes, explains concepts, and applies different tools for different types of environmental time series problems. Provides video tutorials on the use of codes Includes a companion site with 3,000 lines of programming, 70 principal codes and 100 pseudo codes Highlights multiple methods to illustrate each problem

GENDER VISIBILITY AND ERASURE

Emerald Group Publishing Gender Visibility and Erasure offers a unique way of focusing on gender by identifying the multiple contexts in which issues of visibility, invisibility, and erasure manifest, considering who is seen and who is ignored, who has voice and who is silenced, who has agency and who is controlled.

NONLINEAR SYSTEMS

ANALYSIS, STABILITY, AND CONTROL

Springer Science & Business Media There has been much excitement over the emergence of new mathematical techniques for the analysis and control of nonlinear systems. In addition, great technological advances have bolstered the impact of analytic advances and produced many new problems and applications which are nonlinear in an essential way. This book lays out in a concise mathematical framework the tools and methods of analysis which underlie this diversity of applications.

ELECTRIC POWER DISTRIBUTION, AUTOMATION, PROTECTION, AND CONTROL

CRC Press New methods for automation and intelligent systems applications, new trends in telecommunications, and a recent focus on renewable energy are reshaping the educational landscape of today's power engineer. Providing a modern and practical vehicle to help students navigate this dynamic terrain, Electric Power Distribution, Automation, Protection, and Control infuses new directions in computation, automation, and control into classical topics in electric power distribution. Ideal for a one-semester course for senior undergraduates or first-year graduate students, this text works systematically through basic distribution principles, renewable energy sources, computational tools and techniques, reliability, maintenance, distribution automation, and telecommunications. Numerous examples, problems, and case studies offer practical insight into the concepts and help build a working knowledge of protection schemes, fault analysis and synthesis, reliability analysis, intelligent automation systems, distribution management systems, and distribution system communications. The author details different renewable energy sources and teaches students how to evaluate them in terms of size, cost, and performance. Guided firmly by the author's wealth of industrial and academic experience, your students will learn the tools and techniques used to design, build, and operate future generations of distribution systems with unparalleled efficiency, robustness, and sustainability.

JOURNAL OF MATHEMATICAL ECONOMICS

JOURNAL OF INTERNATIONAL ECONOMICS: VOL. 9, NO. 1, FEBRUARY 1979

VIOLENCE AGAINST WOMEN AND GIRLS

LESSONS FROM SOUTH ASIA

World Bank Publications This report documents the dynamics of violence against women in South Asia across the life cycle, from early childhood to old age. It explores the different types of violence that women may face throughout their lives, as well as the associated perpetrators (male and female), risk and protective factors for both victims and perpetrators, and interventions to address violence across all life cycle stages. The report also analyzes the societal factors that drive the primarily male — but also female — perpetrators to commit violence against women in the region. For each stage and type of violence, the report critically reviews existing research from Afghanistan, Bangladesh, Bhutan, India, Maldives, Nepal, Pakistan, and Sri Lanka, supplemented by original analysis and select literature from outside the region. Policies and programs that address violence against women and girls are analyzed in order to highlight key actors and promising interventions. Finally, the report identifies critical gaps in research, program evaluations, and interventions in order to provide strategic recommendations for policy makers, civil society, and other stakeholders working to mitigate violence against women in South Asia.

STATISTICAL POWER ANALYSIS FOR THE BEHAVIORAL SCIENCES

Routledge Statistical Power Analysis is a nontechnical guide to power analysis in research planning that provides users of applied statistics with the tools they need for more effective analysis. The Second Edition includes: * a chapter covering power analysis in set correlation and multivariate methods; * a chapter considering effect size, psychometric reliability, and the efficacy of "qualifying" dependent variables and; * expanded power and sample size tables for multiple regression/correlation.

TRACKING OFFENDERS

GLOBAL MENTAL HEALTH

PRINCIPLES AND PRACTICE

Oxford University Press This is the definitive textbook on global mental health, an emerging priority discipline within global health, which places priority on improving mental health and achieving equity in mental health for all people worldwide.

INDEX TO IEEE PUBLICATIONS

Issues for 1973- cover the entire IEEE technical literature.

DEUTSCHE NATIONALBIBLIOGRAPHIE UND BIBLIOGRAPHIE DER IM AUSLAND ERSCHIENENEN DEUTSCHSPRACHIGEN VERÖFFENTLICHUNGEN

HOCHSCHULSCHRIFTEN. MONATLICHES VERZEICHNIS. REIHE H

INDEX MEDICUS

RESPONDING TO INTIMATE PARTNER VIOLENCE AND SEXUAL VIOLENCE AGAINST WOMEN

WHO CLINICAL AND POLICY GUIDELINES

World Health Organization A health-care provider is likely to be the first professional contact for survivors of intimate partner violence or sexual assault. Evidence suggests that women who have been subjected to violence seek health care more often than non-abused women, even if they do not disclose the associated violence. They also identify health-care providers as the professionals they would most trust with disclosure of abuse. These guidelines are an unprecedented effort to equip healthcare providers with evidence-based guidance as to how to respond to intimate partner violence and sexual violence against women. They also provide advice for policy makers, encouraging better coordination and funding of services, and greater attention to responding to sexual violence and partner violence within training programmes for health care providers. The guidelines are based on systematic reviews of the evidence, and cover: 1. identification and clinical care for intimate partner violence 2. clinical care for sexual assault 3. training relating to intimate partner violence and sexual assault against women 4. policy and programmatic approaches to delivering services 5. mandatory reporting of intimate partner violence. The guidelines aim to raise awareness of violence against women among health-care providers and policy-makers, so that they better understand the need for an appropriate health-sector response. They provide standards that can form the basis for national guidelines, and for integrating these issues into health-care provider education.

POWER ELECTRONIC CONVERTERS MODELING AND CONTROL

WITH CASE STUDIES

Springer Science & Business Media Modern power electronic converters are involved in a very broad spectrum of applications: switched-mode power supplies, electrical-machine-motion-control, active power filters, distributed power generation, flexible AC transmission systems, renewable energy conversion systems and vehicular technology, among them. Power Electronics Converters Modeling and Control teaches the reader how to analyze and model the behavior of converters and so to improve their design and control. Dealing with a set of confirmed algorithms specifically developed for use with power converters, this text is in two parts: models and control methods. The first is a detailed exposition of the most usual power converter models: · switched and averaged models; · small/large-signal models; and · time/frequency models. The second focuses on three groups of control methods: · linear control approaches normally associated with power converters; · resonant controllers because of their significance in grid-connected applications; and · nonlinear control methods including feedback linearization, stabilizing, passivity-based, and variable-structure control. Extensive case-study illustration and end-of-chapter exercises reinforce the study material. Power Electronics Converters Modeling and Control addresses the needs of graduate students interested in power electronics, providing a balanced understanding of theoretical ideas coupled with pragmatic tools based on control engineering practice in the field. Academics teaching power electronics will find this an attractive course text and the practical points make the book useful for self tuition by engineers and other practitioners wishing to bring their knowledge up to date.

WORLD MIGRATION REPORT 2020

United Nations Since 2000, IOM has been producing world migration reports. The World Migration Report 2020, the tenth in the world migration report series, has been produced to contribute to increased understanding of migration throughout the world. This new edition presents key data and information on migration as well as thematic chapters on highly topical migration issues, and is structured to focus on two key contributions for readers: Part I: key information on migration and migrants (including migration-related statistics); and Part II: balanced, evidence-based analysis of complex and emerging migration issues.

APPLIED CONTROL THEORY FOR EMBEDDED SYSTEMS

Elsevier Many embedded engineers and programmers who need to implement basic process or motion control as part of a product design do not have formal training or experience in control system theory. Although some projects require advanced and very sophisticated control systems expertise, the majority of embedded control problems can be solved without resorting to heavy math and complicated control theory. However, existing texts on the subject are highly mathematical and theoretical and do not offer practical examples for embedded designers. This book is different; it presents mathematical background with sufficient rigor for an engineering text, but it concentrates on providing practical application examples that can be used to design working systems, without needing to fully understand the math and high-level theory operating behind the scenes. The author, an engineer with many years of experience in the application of control system theory to embedded designs, offers a concise presentation of the basics of control theory as it pertains to an embedded environment. Practical, down-to-earth guide teaches engineers to apply practical control theorems without needing to employ rigorous math Covers the latest concepts in control systems with embedded digital controllers

A FIRST COURSE IN REAL ANALYSIS

Springer Science & Business Media Mathematics is the music of science, and real analysis is the Bach of mathematics. There are many other foolish things I could say about the subject of this book, but the foregoing will give the reader an idea of where my heart lies. The present book was written to support a first course in real analysis, normally taken after a year of elementary calculus. Real analysis is, roughly speaking, the modern setting for Calculus, "real" alluding to the field of real numbers that underlies it all. At center stage are functions, defined and taking values in sets of real numbers or in sets (the plane, 3-space, etc.) readily derived from the real numbers; a first course in real analysis traditionally places the emphasis on real-valued functions defined on sets of real numbers. The agenda for the course: (1) start with the axioms for the field of real numbers, (2) build, in one semester and with appropriate rigor, the foundations of calculus (including the "Fundamental Theorem"), and, along the way, (3) develop those skills and attitudes that enable us to continue learning mathematics on our own. Three decades of experience with the exercise have not diminished my astonishment that it can be done.

GENDERED HARM AND STRUCTURAL VIOLENCE IN THE BRITISH ASYLUM SYSTEM

Taylor & Francis Britain is often heralded as a country in which the rights and welfare of survivors of conflict and persecution are well embedded, and where the standard of living conditions for those seeking asylum is relatively high. Drawing on a decade of activism and research in the North West of England, this book contends that, on the contrary, conditions are often structurally violent. For survivors of gendered violence, harm inflicted throughout the process of seeking asylum can be intersectional and compound the impacts of previous experiences of violent continuums. The everyday threat of detention and deportation; poor housing and inadequate welfare access; and systemic cuts to domestic and sexual violence support all contribute to a temporal limbo which limits women's personal autonomy and access to basic human rights. By reflecting on evidence from interviews, focus groups, activist participation and oral history, Gendered Harm and Structural Violence provides a unique insight into the everyday impacts of policy and practice that arguably result in the infliction of further gendered harms on survivors of violence and persecution. Of interest to students and scholars of criminology, zemiology, sociology, human rights, migration policy, state violence and gender, this book develops on and adds to the expanding literatures around immigration, crimmigration and asylum.

FOUNDATIONS OF TRUSTED AUTONOMY

Springer This book establishes the foundations needed to realize the ultimate goals for artificial intelligence, such as autonomy and trustworthiness. Aimed at scientists, researchers, technologists, practitioners, and students, it brings together contributions offering the basics, the challenges and the state-of-the-art on trusted autonomous systems in a single volume. The book is structured in three parts, with chapters written by eminent researchers and outstanding practitioners and users in the field. The first part covers foundational artificial intelligence technologies, while the second part covers philosophical, practical and technological perspectives on trust. Lastly, the third part presents advanced topics necessary to create future trusted autonomous systems. The book augments theory with real-world applications including cyber security, defence and space.

ADVANCED LECTURES ON MACHINE LEARNING

MACHINE LEARNING SUMMER SCHOOL 2002, CANBERRA, AUSTRALIA, FEBRUARY 11-22, 2002, REVISED LECTURES

Springer Machine Learning has become a key enabling technology for many engineering applications and theoretical problems alike. To further discussions and to disseminate new results, a Summer School was held on February 11–22, 2002 at the Australian National University. The current book

contains a collection of the main talks held during those two weeks in February, presented as tutorial chapters on topics such as Boosting, Data Mining, Kernel Methods, Logic, Reinforcement Learning, and Statistical Learning Theory. The papers provide an in-depth overview of these exciting new areas, contain a large set of references, and thereby provide the interested reader with further information to start or to pursue his own research in these directions. Complementary to the book, a recorded video of the presentations during the Summer School can be obtained at <http://mlg.anu.edu.au/summer2002>. It is our hope that graduate students, lecturers, and researchers alike will find this book useful in learning and teaching Machine Learning, thereby continuing the mission of the Summer School. Canberra, November 2002 Shahar Mendelson Alexander Smola Research School of Information Sciences and Engineering, The Australian National University Thanks and Acknowledgments We gratefully thank all the individuals and organizations responsible for the success of the workshop.

INTERNATIONAL AEROSPACE ABSTRACTS

TURN DOWN THE HEAT

CONFRONTING THE NEW CLIMATE NORMAL

World Bank Publications A Report for the World Bank by the Potsdam Institute for Climate Impact Research and Analytics.

HUMANITARIAN CHARTER AND MINIMUM STANDARDS IN HUMANITARIAN RESPONSE

HANDBOOK CD

The Humanitarian Charter and Minimum Standards in Humanitarian Response will not stop humanitarian crises from happening, nor can they prevent human suffering. What they offer, however, is an opportunity for the enhancement of assistance with the aim of making a difference to the lives of people affected. The Humanitarian Charter and Minimum Standards in Disaster Response (The Sphere Handbook) is one of the most widely known and internationally recognized sets of common principles and universal minimum standards for the delivery of quality humanitarian response and puts the right of disaster-affected populations to life with dignity, and to protection and assistance at the centre of humanitarian action. The Humanitarian Charter and Minimum Standards in Humanitarian Response and The Sphere Project promotes the active participation of affected populations as well as of local and national authorities, and is used to negotiate humanitarian space and resources with authorities in disaster-preparedness work. The minimum standards cover four primary life-saving areas of humanitarian aid: water supply, sanitation and hygiene promotion; food security and nutrition; shelter, settlement and non-food items; and health action. The new edition of the Sphere Project's Handbook updates the qualitative and quantitative indicators and guidance notes and improves the overall structure and consistency of the text including a rewritten Humanitarian Charter, updated common standards, a stronger focus on protection and revised technical chapters.

BEHIND THE NUMBERS

ENDING SCHOOL VIOLENCE AND BULLYING

UNESCO Publishing

RESILIENCE, ADAPTIVE PEACEBUILDING AND TRANSITIONAL JUSTICE

Cambridge University Press Explores innovative ways to build peace after large-scale violence by combining resilience, adaptive peacebuilding and transitional justice.

DEVELOPMENTS AND ADVANCES IN DEFENSE AND SECURITY

PROCEEDINGS OF MICRADS 2019

Springer This book gathers the proceedings of the Multidisciplinary International Conference of Research Applied to Defense and Security (MICRADS), held at the Military Engineering Institute, Rio de Janeiro, Brazil, from 8 to 10th May 2019. It covers a variety of topics in systems, communication and defense; strategy and political-administrative vision in defense; and engineering and technologies applied to defense. Given its scope, it offers a valuable resource for practitioners, researchers, and students alike.

TOO CLOSE TO HOME

DOMESTIC VIOLENCE IN THE AMERICAS

IDB Latin America is one of the world's most violent regions, at home and on the streets, with a homicide rate more than twice the world average. Domestic violence is also widespread and closely linked to societal violence: children who experience or witness chronic abuse are more likely to behave violently as adults. In Too Close to Home, international authorities ranging from psychologists and doctors to economists and communication experts offer insights and strategies on this serious public policy concern.

THE BRITISH NATIONAL BIBLIOGRAPHY

REVISITING THE 'IDEAL VICTIM'

DEVELOPMENTS IN CRITICAL VICTIMOLOGY

Policy Press Nils Christie's (1986) seminal work on the 'Ideal Victim' is reproduced in full in this edited collection of vibrant and provocative essays that respond to and update the concept from a range of thematic positions. Each chapter celebrates and commemorates his work by analysing, evaluating and critiquing the current nature and impact of victim identity, experience, policy and practice. The collection expands the focus and remit of 'victim studies', addressing key themes around race, gender, faith, ability and age while encompassing new and diverse issues. Examples include sex workers as victims of hate crimes, victims' experiences of online fraud, and recognising historic child sexual abuse victims in Ireland. With contributions from an array of academics including Vicky Heap (Sheffield Hallam University), Hannah Mason-Bish (University of Sussex) and Pamela Davies (Northumbria University), as well as a Foreword by David Scott (The Open University), this book evaluates the contemporary relevance and applicability of Christie's 'Ideal Victim' concept and creates an important platform for thinking differently about victimhood in the 21st century.

ANALYSIS OF SOCIO-ECONOMIC CONDITIONS

INSIGHTS FROM A FUZZY MULTI-DIMENSIONAL APPROACH

Routledge Showcasing fuzzy set theory, this book highlights the enormous potential of fuzzy logic in helping to analyse the complexity of a wide range of socio-economic patterns and behaviour. The contributions to this volume explore the most up-to-date fuzzy-set methods for the measurement of socio-economic phenomena in a multidimensional and/or dynamic perspective. Thus far, fuzzy-set theory has primarily been utilised in the social sciences in the field of poverty measurement. These chapters examine the latest work in this area, while also exploring further applications including social exclusion, the labour market, educational mismatch, sustainability, quality of life and violence against women. The authors demonstrate that real-world situations are often characterised by imprecision, uncertainty and vagueness, which cannot be properly described by the classical set theory which uses a simple true-false binary logic. By contrast, fuzzy-set theory has been shown to be a powerful tool for describing the multidimensionality and complexity of social phenomena. This book will be of significant interest to economists, statisticians and sociologists utilising quantitative methods to

explore socio-economic phenomena.