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One hundred years after the
deportations and mass murder of

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Armenians, Greeks, Assyrians, and other peoples in the final years of the Ottoman Empire, the history of the Armenian genocide is a victim of historical distortion, state-sponsored falsification, and deep divisions between Armenians and

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Turks. Working together for the first time, Turkish, Armenian, and other scholars present here a compelling reconstruction of what happened and why. This volume gathers the most up-to-date scholarship on Armenian genocide, looking at how

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the event has been written about in Western and Turkish historiographies; what was happening on the eve of the catastrophe; portraits of the perpetrators; detailed accounts of the massacres; how the event has

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been perceived in both local and international contexts, including World War I; and reflections on the broader implications of what happened then. The result is a comprehensive work that moves beyond nationalist master

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narratives and offers a more complete understanding of this tragic event.

This accessible textbook is the only introduction to linguistics in which each chapter is written by an expert who teaches courses on that topic,

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ensuring balanced and uniformly excellent coverage of the full range of modern linguistics. Assuming no prior knowledge the text offers a clear introduction to the traditional topics of structural linguistics (theories of sound, form, meaning,

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and language change), and in addition provides full coverage of contextual linguistics, including separate chapters on discourse, dialect variation, language and culture, and the politics of language. There are also up-to-

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date separate chapters on language and the brain, computational linguistics, writing, child language acquisition, and second-language learning. The breadth of the textbook makes it ideal for introductory courses on

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language and linguistics offered by departments of English, sociology, anthropology, and communications, as well as by linguistics departments.

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prototype wireless designs using SDR for real-world testing and experimentation. This book explores advanced wireless communication techniques such as OFDM, LTE, WLA, and hardware targeting. Readers will gain an

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understanding of the core concepts behind wireless hardware, such as the radio frequency front-end, analog-to-digital and digital-to-analog converters, as well as various processing technologies. Moreover, this volume includes

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chapters on timing estimation, matched filtering, frame synchronization message decoding, and source coding. The orthogonal frequency division multiplexing is explained and details about HDL code generation and deployment

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are provided. The book concludes with coverage of the WLAN toolbox with OFDM beacon reception and the LTE toolbox with downlink reception. Multiple case studies are provided throughout the book. Both MATLAB and Simulink source code

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are included to assist readers with
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around the world, including

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theory, artificial intelligence, and algorithms. The treatment is centered on robot motion planning, but integrates material on planning in discrete spaces. A major part of the book is devoted to planning under uncertainty,

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including decision theory, Markov decision processes, and information spaces, which are the 'configuration spaces' of all sensor-based planning problems. The last part of the book delves into planning under differential

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constraints that arise when automating the motions of virtually any mechanical system. This text and reference is intended for students, engineers, and researchers in robotics, artificial intelligence, and control theory as

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well as computer graphics, algorithms, and computational biology.

Ever since its original publication in Germany in 1938, Max Schweidler's *Die Instandsetzung von Kupferstichen, Zeichnungen,*

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Buchern usw. has been recognized as a seminal modern text on the conservation and restoration of works on paper. This volume, based on the authoritative revised German edition of 1950, makes Schweidler's work available in

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English for the first time, in a meticulously edited and annotated scholarly edition. An extensively illustrated appendix presents case studies of eleven Old Master prints that were treated using the techniques Schweidler discusses.

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Techniques and Applications
Sample Questions from OECD's
PISA Assessments
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Methods

with R examples

This book describes the new generation of discrete choice methods, focusing on the many advances that are made possible by simulation. Researchers use these

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statistical methods to examine the choices that consumers, households, firms, and other agents make. Each of the major models is covered: logit, generalized extreme value, or GEV (including nested and cross-nested logits), probit, and mixed logit, plus

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a variety of specifications that build on these basics. Simulation-assisted estimation procedures are investigated and compared, including maximum stimulated likelihood, method of simulated moments, and method of simulated

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scores. Procedures for drawing from densities are described, including variance reduction techniques such as anithetics and Halton draws. Recent advances in Bayesian procedures are explored, including the use of the Metropolis-Hastings

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algorithm and its variant Gibbs sampling. The second edition adds chapters on endogeneity and expectation-maximization (EM) algorithms. No other book incorporates all these fields, which have arisen in the past 25 years. The

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procedures are applicable in many fields, including energy, transportation, environmental studies, health, labor, and marketing.

Marrying legal doctrine from five pioneering and conversant

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jurisdictions with contemporary political philosophy, this book provides a general theory of discrimination law. Part I gives a theoretically rigorous account of the identity and scope of discrimination law: what makes a legal norm a

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norm of discrimination law? What is the architecture of discrimination law? Unlike the approach popular with most textbooks, the discussion eschews list-based discussions of protected grounds, instead organising the doctrine in a clear

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thematic structure. This definitional preamble sets the agenda for the next two parts. Part II draws upon the identity and structure of discrimination law to consider what the point of this area of law is. Attention to legal doctrine rules out

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many answers that ideologically-entrenched writers have offered to this question. The real point of discrimination law, this Part argues, is to remove abiding, pervasive, and substantial relative group disadvantage. This objective is best

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defended on liberal rather than egalitarian grounds. Having considered its overall purpose, Part III gives a theoretical account of the duties imposed by discrimination law. A common definition of the antidiscrimination duty

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accommodates tools as diverse as direct and indirect discrimination, harassment, and reasonable accommodation. These different tools are shown to share a common normative concern and a single analytical structure. Uniquely in the

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literature, this Part also defends the imposition of these duties only to certain duty-bearers in specified contexts. Finally, the conditions under which affirmative action is justified are explained.

Forfatterens mål med denne bog er:

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1) Analyse af de gældende teorier for international politik og hvad der heri er lagt størst vægt på. 2) Konstruktion af en teori for international politik som kan kan råde bod på de mangler, der er i de nu gældende. 3) Afprøvning af den

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rekonstruerede teori på faktiske hændelsesforløb.

The process of reverse engineering has proven infinitely useful for analyzing Original Equipment Manufacturer (OEM) components to duplicate or repair them, or simply

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improve on their design. A guidebook to the rapid-fire changes in this area, *Reverse Engineering: Technology of Reinvention* introduces the fundamental principles, advanced methodologies, and other essential aspects of reverse

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engineering. The book's primary objective is twofold: to advance the technology of reinvention through reverse engineering and to improve the competitiveness of commercial parts in the aftermarket. Assembling and synergizing material from

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several different fields, this book prepares readers with the skills, knowledge, and abilities required to successfully apply reverse engineering in diverse fields ranging from aerospace, automotive, and medical device industries to

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academic research, accident investigation, and legal and forensic analyses. With this mission of preparation in mind, the author offers real-world examples to: Enrich readers' understanding of reverse engineering processes,

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empowering them with alternative options regarding part production Explain the latest technologies, practices, specifications, and regulations in reverse engineering Enable readers to judge if a "duplicated or repaired" part will

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meet the design functionality of the OEM part This book sets itself apart by covering seven key subjects: geometric measurement, part evaluation, materials identification, manufacturing process verification, data analysis, system compatibility,

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and intelligent property protection. Helpful in making new, compatible products that are cheaper than others on the market, the author provides the tools to uncover or clarify features of commercial products that were either previously

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unknown, misunderstood, or not
used in the most effective way.

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the Ottoman Empire

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for Investment Professionals
Families

Electric Motors and Drives
Volume I

A concise and self-contained
introduction to causal inference,
increasingly important in data

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science and machine learning. The mathematization of causality is a relatively recent development, and has become increasingly important in data science and machine learning. This book offers a self-contained and concise introduction

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to causal models and how to learn them from data. After explaining the need for causal models and discussing some of the principles underlying causal inference, the book teaches readers how to use causal models: how to compute

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intervention distributions, how to infer causal models from observational and interventional data, and how causal ideas could be exploited for classical machine learning problems. All of these topics are discussed first in terms of

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two variables and then in the more general multivariate case. The bivariate case turns out to be a particularly hard problem for causal learning because there are no conditional independences as used by classical methods for solving

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multivariate cases. The authors consider analyzing statistical asymmetries between cause and effect to be highly instructive, and they report on their decade of intensive research into this problem. The book is accessible to readers

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with a background in machine learning or statistics, and can be used in graduate courses or as a reference for researchers. The text includes code snippets that can be copied and pasted, exercises, and an appendix with a summary of the

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examines imperfect competition, offshoring, political economy, multinationals, endogenous growth, the gravity equation, and the organization of the firm in international trade. Feenstra also includes a new chapter on

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monopolistic competition with heterogeneous firms, with many applications of that model. In addition to known results, the book looks at some particularly important unpublished results by various authors. Two appendices draw on

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index numbers and discrete choice
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Aimed at the undergraduate level, this work is appropriate either as

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part of a two-term International sequence (trade and finance), or in advanced courses in Trade that follow a one-term International Economics course. It can also be used as a background text for beginning graduate courses.

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members, the author give primacy to the economic system in structuring the broad parameters of family life. She explains how the economy shapes the prospects families have for earning a decent living by determining the location, nature, and

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**An introduction to the
engineering principles of
embedded systems, with a
focus on modeling,**

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**design, and analysis of
cyber-physical systems.
The most visible use of
computers and software
is processing information
for human consumption.
The vast majority of**

Type

**computers in use,
however, are much less
visible. They run the
engine, brakes, seatbelts,
airbag, and audio system
in your car. They digitally
encode your voice and**

Type

**construct a radio signal
to send it from your cell
phone to a base station.
They command robots on
a factory floor, power
generation in a power
plant, processes in a**

Type

**chemical plant, and
traffic lights in a city.
These less visible
computers are called
embedded systems, and
the software they run is
called embedded**

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software. The principal challenges in designing and analyzing embedded systems stem from their interaction with physical processes. This book takes a cyber-physical

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**design, and analysis of
cyber-physical systems,
which integrate
computation, networking,
and physical processes.
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at the advanced
undergraduate or
introductory graduate
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investments for
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allocators and other
overseers of portfolios
containing both
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alternative assets. It is designed for those with substantial experience regarding traditional investments in stocks and bonds but limited familiarity regarding

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alternative strategies,
and alternative portfolio
management. The primer
categorizes alternative
assets into four groups:
hedge funds, real assets,**

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**private equity, and
structured
products/derivatives. Real
assets include vacant
land, farmland, timber,
infrastructure,
intellectual property,**

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**commodities, and private
real estate. For each
group, the primer
provides essential
information about the
characteristics,
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of these institutional-quality alternative assets in the context of a well-diversified institutional portfolio. Other topics addressed by this primer include tail risk, due

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investment process and
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and management of risks
and returns, setting
return expectations, and
portfolio construction.**

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with a chapter on the
case for investing in
alternatives.**

**This book presents all the
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influential textbook,
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**engineering. In doing so,
it illustrates concepts
using financial markets
and economic data, R
Labs with real-data
exercises, and graphical
and analytic methods for**

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**modeling and diagnosing
modeling errors. These
methods are critical
because financial
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access to enormous
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**and linear algebra, and
calculus. There is an
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financial engineers will
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date and should be
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it to any busy engineer
who needs to make informed

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development of any real
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motors (mains and inverter-fed), stepping motors, synchronous motors (mains and converter-fed) and reluctance motors.

The operational amplifier ("op amp") is the most

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versatile and widely used
type of analog IC, used in
audio and voltage
amplifiers, signal
conditioners, signal
converters, oscillators,
and analog computing

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transistor models),
idealized op amp operation
and configuration,
feedback theory and
methods, single and dual
supply operation,
understanding op amp

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parameters, minimizing
noise in op amp circuits,
and practical applications
such as instrumentation
amplifiers, signal
conditioning, oscillators,
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level conversions, and analog computing. There is also extensive coverage of circuit construction techniques, including circuit board design, grounding, input and

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treatments of op amp
theory that tend to focus
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models only when necessary
to explain op amp theory.
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on real-world op amps and
their applications;
considerations such as
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noise, circuit buffering, selection of appropriate op amps for a given application, and unexpected effects in passive components are all discussed in detail.

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techniques for
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through detailed,
accessible coverage of the
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field. Concise and easy to
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address concepts
sequentially, from

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external and internal
analysis to strategy
formulation, strategy
execution, and strategic
control. Rather than
relegating case analysis
to a chapter at the end of

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the book, Parnell aligns each chapter's key concepts with 25 case analysis steps. Current examples and high interest real-time cases, largely drawn from The Wall Street

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role of strategic
management in the United
States and around the
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topics, including free
body diagrams, force flow
concepts, failure
theories, and fatigue
design, are coupled with
specific applications to
bearings, springs, brakes,

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clutches, fasteners, and more for a real-world functional body of knowledge. Critical thinking and problem-solving skills are strengthened through a

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graphical procedural
framework, enabling the
effective identification
of problems and clear
presentation of solutions.
Solidly focused on
practical applications of

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fundamental theory, this text helps students develop the ability to conceptualize designs, interpret test results, and facilitate improvement. Clear

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presentation reinforces
central ideas with
multiple case studies, in-
class exercises, homework
problems, computer
software data sets, and
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internet resources, while
appendices provide
extensive reference
material on processing
methods, joinability,
failure modes, and
material properties to aid

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student comprehension and
encourage self-study.

Elements of Causal
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Education, Vol.41, No.2

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Worked out examples are also provided at the end of chapter for understanding uncertainty analysis. This book is designed and developed as an introductory text on the fundamental aspects of rocket propulsion

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for both undergraduate and graduate students. It is also aimed towards practicing engineers in the field of space engineering. This comprehensive guide also provides adequate problems for audience to

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understand intricate aspects of rocket propulsion enabling them to design and develop rocket engines for peaceful purposes.

The objective(s) of Article 102 TFEU, what exactly makes a practice abusive and the

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standard of harm under
Article 102 TFEU have not
yet been settled. This lack
of clarity creates
uncertainty for businesses
and, coupled with the
current state of economics
in this area, raises an

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important question of legitimacy. Using law and economic approaches, this book inquires into the possible objectives of Article 102 TFEU and proposes a modern approach to interpreting 'abuse'. In

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doing so, this book establishes an overarching concept of 'abuse' that conforms to the historical roots of the provision, to the text of the provision itself, and to modern economic thinking on

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unilateral conduct. This book therefore inquires into what Article 102 TFEU is about, what it can be about and what it should be about regarding both objectives and scope. The book demonstrates that the

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separation of exploitative abuse from exclusionary abuse is artificial and unsound. It examines the roots of Article 102 TFEU and the historical context of the adoption of the Treaty, the case law, policy

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and literature on
exploitative abuses and,
where relevant, on
exclusionary abuses. The
book investigates potential
objectives, such as fairness
and welfare, as well as the
potential conflict between

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such objectives. Finally, it critically assesses the European Commission's modernisation of Article 102 TFEU, before proposing a reformed approach to 'abuse' which is centred on three necessary and sufficient

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conditions: exploitation,
exclusion and a lack of an
increase in efficiency.

A Social Class Perspective
Foundations and Learning
Algorithms

The Delphi Method

Standard Handbook of Machine

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Design

Discrete Choice Methods with
Simulation

South African national
bibliography

The Concept of Abuse in EU
Competition Law

Contributors of the 16 papers were charged

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with reviewing urgent problems of motor control rather than reporting on their own research, in order to produce a broad reference for professionals and graduate students in the field. Four of them worked directly with Nikolai Bernstein (1896-1966), the Russian scientist who first worked in the field and wh.

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This textbook is appropriate for senior undergraduate and first year graduate students in mechanical and automotive engineering. The contents in this book are presented at a theoretical-practical level. It explains vehicle dynamics concepts in detail, concentrating on their practical use. Related theorems and formal proofs are provided, as

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are real-life applications. Students, researchers and practicing engineers alike will appreciate the user-friendly presentation of a wealth of topics, most notably steering, handling, ride, and related components. This book also: Illustrates all key concepts with examples Includes exercises for each chapter Covers front, rear, and four wheel

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steering systems, as well as the advantages and disadvantages of different steering schemes Includes an emphasis on design throughout the text, which provides a practical, hands-on approach

This book presents operational and practical issues of automotive mechatronics with special emphasis on the heterogeneous

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automotive vehicle systems approach, and is intended as a graduate text as well as a reference for scientists and engineers involved in the design of automotive mechatronic control systems. As the complexity of automotive vehicles increases, so does the dearth of high competence, multi-disciplined automotive scientists and

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engineers. This book provides a discussion into the type of mechatronic control systems found in modern vehicles and the skills required by automotive scientists and engineers working in this environment. Divided into two volumes and five parts, Automotive Mechatronics aims at improving automotive mechatronics

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education and emphasises the training of students ' experimental hands-on abilities, stimulating and promoting experience among high education institutes and produce more automotive mechatronics and automation engineers. The main subject that are treated are: VOLUME I: RBW or XBW unibody or chassis-motion

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mechatronic control hypersystems; DBW
AWD propulsion mechatronic control
systems; BBW AWB dispulsion mechatronic
control systems; VOLUME II: SBW AWS
diversion mechatronic control systems;
ABW AWA suspension mechatronic
control systems. This volume was developed
for undergraduate and postgraduate

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students as well as for professionals involved in all disciplines related to the design or research and development of automotive vehicle dynamics, powertrains, brakes, steering, and shock absorbers (dampers). Basic knowledge of college mathematics, college physics, and knowledge of the functionality of automotive vehicle basic

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propulsion, dispulsion, conversion and suspension systems is required.

Wind Energy Explained
Modern Control Systems
Theory and Application

Progress in Motor Control: Bernstein's
traditions in movement studies

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American Lumberman
Reverse Engineering