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Monopoly of Force - Michael Miklaucic 2011
Disarmament, Demobilization, and Reintegration

(DDR) and Security Sector Reform (SSR) have
emerged in recent years as promising though

generally poorly understood mechanisms for consolidating stability and reasserting state sovereignty after conflict. Despite the considerable experience acquired by the international community, the critical interrelationship between DDR and SSR and the ability to use these mechanisms with consistent success remain less than optimally developed. The chapters in this book reflect a diversity of field experience and research in DDR and SSR, which suggest that these are complex and interrelated systems, with underlying political attributes. Successful application of DDR and SSR requires the setting aside of preconceived assumptions or formulas, and should be viewed flexibly to restore to the state the monopoly of force.

Clays in the Minerals Processing Value Chain - Markus Gräfe 2017-08-31

Clays are increasingly becoming a major problem in the mining, extraction and value-adding processes for a wide range of commodity

raw materials. Clays can impact negatively on virtually every unit process within the mining and minerals processing sector, having long-term environmental implications that go well beyond the lifetime of the mining operation. This book is the first to compile, explain and evaluate the effects of clays in the mineral processing value chain, from mining to minerals processing, and finally, tailings disposal. Focusing on topics from the chemistry and rheology of clays to their detection and dissolution behaviour, this book provides comprehensive coverage of the effects on processes such as settling, preg-robing, flotation and comminution. It is an excellent reference for professional mineralogists and geologists, industrial engineers, and researchers interested in clays and clay minerals.

Demystifying Internet of Things Security - Sunil Cheruvu 2019-08-13

Break down the misconceptions of the Internet of Things by examining the different security building blocks available in Intel Architecture

(IA) based IoT platforms. This open access book reviews the threat pyramid, secure boot, chain of trust, and the SW stack leading up to defense-in-depth. The IoT presents unique challenges in implementing security and Intel has both CPU and Isolated Security Engine capabilities to simplify it. This book explores the challenges to secure these devices to make them immune to different threats originating from within and outside the network. The requirements and robustness rules to protect the assets vary greatly and there is no single blanket solution approach to implement security. Demystifying Internet of Things Security provides clarity to industry professionals and provides an overview of different security solutions What You'll Learn Secure devices, immunizing them against different threats originating from inside and outside the network Gather an overview of the different security building blocks available in Intel Architecture (IA) based IoT platforms Understand the threat pyramid, secure

boot, chain of trust, and the software stack leading up to defense-in-depth Who This Book Is For Strategists, developers, architects, and managers in the embedded and Internet of Things (IoT) space trying to understand and implement the security in the IoT devices/platforms.

Solutions Manual for Actuarial Mathematics for Life Contingent Risks - David C. M.

Dickson 2013-08-12

This must-have manual provides detailed solutions to all of the 200+ exercises in Dickson, Hardy and Waters' Actuarial Mathematics for Life Contingent Risks, Second Edition. This groundbreaking text on the modern mathematics of life insurance is required reading for the Society of Actuaries' Exam MLC and also provides a solid preparation for the life contingencies material of the UK actuarial profession's exam CT5. Beyond the professional examinations, the textbook and solutions manual offer readers the opportunity to develop insight

and understanding, and also offer practical advice for solving problems using straightforward, intuitive numerical methods. Companion spreadsheets illustrating these techniques are available for free download.

Mix Design Methods for Asphalt Concrete and Other Hot-mix Types - Asphalt Institute 1997

Student Solutions Manual with Study Guide - John Jewett 2010-05-27

[African Asylum at a Crossroads](#) - Iris Berger 2015-05-15

African Asylum at a Crossroads: Activism, Expert Testimony, and Refugee Rights examines the emerging trend of requests for expert opinions in asylum hearings or refugee status determinations. This is the first book to explore the role of court-based expertise in relation to African asylum cases and the first to establish a rigorous analytical framework for interpreting

the effects of this new reliance on expert testimony. Over the past two decades, courts in Western countries and beyond have begun demanding expert reports tailored to the experience of the individual claimant. As courts increasingly draw upon such testimony in their deliberations, expertise in matters of asylum and refugee status is emerging as an academic area with its own standards, protocols, and guidelines. This deeply thoughtful book explores these developments and their effects on both asylum seekers and the experts whose influence may determine their fate. Contributors: Iris Berger, Carol Bohmer, John Campbell, Katherine Luongo, E. Ann McDougall, Karen Musalo, Tricia Redeker Hepner, Amy Shuman, Joanna T. Tague, Meredith Terretta, and Charlotte Walker-Said. [Exploratory Data Analysis with MATLAB](#) - Wendy L. Martinez 2017-08-07

Praise for the Second Edition: "The authors present an intuitive and easy-to-read book. ... accompanied by many examples, proposed

exercises, good references, and comprehensive appendices that initiate the reader unfamiliar with MATLAB." —Adolfo Alvarez Pinto, International Statistical Review "Practitioners of EDA who use MATLAB will want a copy of this book. ... The authors have done a great service by bringing together so many EDA routines, but their main accomplishment in this dynamic text is providing the understanding and tools to do EDA. —David A Huckaby, MAA Reviews

Exploratory Data Analysis (EDA) is an important part of the data analysis process. The methods presented in this text are ones that should be in the toolkit of every data scientist. As computational sophistication has increased and data sets have grown in size and complexity, EDA has become an even more important process for visualizing and summarizing data before making assumptions to generate hypotheses and models. Exploratory Data Analysis with MATLAB, Third Edition presents EDA methods from a computational perspective

and uses numerous examples and applications to show how the methods are used in practice. The authors use MATLAB code, pseudo-code, and algorithm descriptions to illustrate the concepts. The MATLAB code for examples, data sets, and the EDA Toolbox are available for download on the book's website. New to the Third Edition

Random projections and estimating local intrinsic dimensionality
Deep learning autoencoders and stochastic neighbor embedding
Minimum spanning tree and additional cluster validity indices
Kernel density estimation
Plots for visualizing data distributions, such as beanplots and violin plots
A chapter on visualizing categorical data

Proceedings of Second Doctoral Symposium on Computational Intelligence - Deepak Gupta
2021-10-21

This book features high-quality research papers presented at Second Doctoral Symposium on Computational Intelligence (DoSCI-2021), organized by Institute of Engineering and

Technology (IET), AKTU, Lucknow, India, on 6 March 2021. This book discusses the topics such as computational intelligence, artificial intelligence, deep learning, evolutionary algorithms, swarm intelligence, fuzzy sets and vague sets, rough set theoretic approaches, quantum-inspired computational intelligence, hybrid computational intelligence, machine learning, computer vision, soft computing, distributed computing, parallel and grid computing, cloud computing, high-performance computing, biomedical computing, decision support and decision making.

Sexed Pistols - Vanessa Farr 2009

Every day, small arms and light weapons (SALW) kill and maim, wound and threaten millions of adults and children, whether combatants and civilians in war zones or gangs and communities in degraded "peacetime" environments that are characterized by large-scale violence. Due to their widespread availability, mobility and ease of use prolific SALW have become central to

maintaining social dislocation, destabilization, insecurity and crime in the build-up to war, in wartime and in the aftermath of violent conflict. Small arms are misused within domestic settings, as well as in public spaces, and they affect everyone in the community without regard to sex or age. Although the impacts of these weapons can be vastly different for women and men, girls and boys, a careful consideration of gender and age is rare in the formulation of small arms policy, of planning small arms collection or control, or even in small arms research. To counter the effects of prolific SALW, their role in reinforcing and maintaining gender- and age-specific violence must be more deeply analyzed and the results applied at the policy and operational level. This work should be undertaken in war-afflicted contexts, in societies suffering from elevated levels of social violence and/or severe underdevelopment, and in those tolerant of the presence of individually owned firearms. Contributors to this book draw on

experience and research from around the world on the nexus of gender, age, violence and small arms in developing and developed countries. Their findings feed into a number of recommendations for future policy formulation, program implementation and research designed to further illuminate and counteract the firing of the "sexed pistol".--Publisher's description.

MATLAB Machine Learning Recipes - Michael Paluszek 2019-01-31

Harness the power of MATLAB to resolve a wide range of machine learning challenges. This book provides a series of examples of technologies critical to machine learning. Each example solves a real-world problem. All code in MATLAB Machine Learning Recipes: A Problem-Solution Approach is executable. The toolbox that the code uses provides a complete set of functions needed to implement all aspects of machine learning. Authors Michael Paluszek and Stephanie Thomas show how all of these technologies allow the reader to build

sophisticated applications to solve problems with pattern recognition, autonomous driving, expert systems, and much more. What you'll learn:How to write code for machine learning, adaptive control and estimation using MATLAB How these three areas complement each other How these three areas are needed for robust machine learning applications How to use MATLAB graphics and visualization tools for machine learning How to code real world examples in MATLAB for major applications of machine learning in big data Who is this book for: The primary audiences are engineers, data scientists and students wanting a comprehensive and code cookbook rich in examples on machine learning using MATLAB.

Energy Efficiency in Motor Driven Systems - Francesco Parasiliti 2012-12-06

This book reports the state of the art of energy-efficient electrical motor driven system technologies, which can be used now and in the near future to achieve significant and cost-

effective energy savings. It includes the recent developments in advanced electrical motor end-use devices (pumps, fans and compressors) by some of the largest manufacturers. Policies and programs to promote the large scale penetration of energy-efficient technologies and the market transformation are featured in the book, describing the experiences carried out in different parts of the world. This extensive coverage includes contributions from relevant institutions in the Europe, North America, Latin America, Africa, Asia, Australia and New Zealand.

Criminal Capital - S. Platt 2015-01-12

Criminal Capital is an engaging but authoritative account of how financial structures and products can and are being used to evade proper scrutiny and enable criminal activity and what can be done about it. Based on the analysis of the financial methods that are frequently used by criminals, it deals with the widespread abuse of financial systems.

International Management: Culture, Strategy and Behavior W/ OLC Card MP -

Richard M. Hodgetts 2005-02-16

As a discipline of academy inquiry, International Management applies management concepts and techniques to their contexts in firms working in multinational, multicultural environments.

Hodgetts' Luthans: International Management was the first mainstream International Management text in the market. Its 6th edition continues to set the standard for International Management texts with its research-based content and its balance between culture, strategy, and behavior. International Management stresses the balanced approach and the synergy/connection between the text's four parts: Environment (3 chapters); Culture (4 chapters), Strategy and Functions (4 chapters) and Organizational Behavior /Human Resource Management (4 chapters).

Black Hearts - Jim Frederick 2010-02-09

"Riveting. . . a testament to a misconceived war,

and to the ease with which ordinary men, under certain conditions, can transform into monsters.”—New York Times Book Review This is the story of a small group of soldiers from the 101st Airborne Division’s fabled 502nd Infantry Regiment—a unit known as “the Black Heart Brigade.” Deployed in late 2005 to Iraq’s so-called Triangle of Death, a veritable meat grinder just south of Baghdad, the Black Hearts found themselves in arguably the country’s most dangerous location at its most dangerous time. Hit by near-daily mortars, gunfire, and roadside bomb attacks, suffering from a particularly heavy death toll, and enduring a chronic breakdown in leadership, members of one Black Heart platoon—1st Platoon, Bravo Company, 1st Battalion—descended, over their year-long tour of duty, into a tailspin of poor discipline, substance abuse, and brutality. Four 1st Platoon soldiers would perpetrate one of the most heinous war crimes U.S. forces have committed during the Iraq War—the rape of a fourteen-

year-old Iraqi girl and the cold-blooded execution of her and her family. Three other 1st Platoon soldiers would be overrun at a remote outpost—one killed immediately and two taken from the scene, their mutilated corpses found days later booby-trapped with explosives. *Black Hearts* is an unflinching account of the epic, tragic deployment of 1st Platoon. Drawing on hundreds of hours of in-depth interviews with Black Heart soldiers and first-hand reporting from the Triangle of Death, *Black Hearts* is a timeless story about men in combat and the fragility of character in the savage crucible of warfare. But it is also a timely warning of new dangers emerging in the way American soldiers are led on the battlefields of the twenty-first century.

Mechanics of Materials - Andrew Pytel

2011-01-01

The second edition of *MECHANICS OF MATERIALS* by Pytel and Kiusalaas is a concise examination of the fundamentals of Mechanics of

Materials. The book maintains the hallmark organization of the previous edition as well as the time-tested problem solving methodology, which incorporates outlines of procedures and numerous sample problems to help ease students through the transition from theory to problem analysis. Emphasis is placed on giving students the introduction to the field that they need along with the problem-solving skills that will help them in their subsequent studies. This is demonstrated in the text by the presentation of fundamental principles before the introduction of advanced/special topics.

Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Migration and Integration in Europe, Southeast Asia and Australia - Juliet Pietsch 2015

This important study brings together an interdisciplinary group of essays by international scholars of European and Southeast Asian regional integration. The contributors examine

whether there are useful lessons to be learned from the European experience. It offers an important contribution to the development of the field of regionalism studies.

Business Statistics - Naval Bajpai 2009

Business Statistics offers readers a foundation in core statistical concepts using a perfect blend of theory and practical application. This book presents business statistics as value added tools in the process of converting data into useful information. The step-by-step approach used to discuss three main statistical software applications, MS Excel, Minitab, and SPSS, which are critical tools for decision making in the business world, makes this book extremely user friendly. India-centric case studies and examples demonstrate the many uses of statistics in business and economics. The underlying focus on the interpretation of results rather than computation makes this book highly relevant for students and practising managers. Practice quizzes and true/false questions for

students, and lecture slides and solutions manual for instructors are available at http://wps.pearsoned.com/bajpai_businessstatistics_e.

Electronic Diesel Control (EDC) - Robert Bosch
2003-08-01

The familiar yellow Technical Instruction series from Bosch have long proved one of their most popular instructional aids. They provide a clear and concise overview of the theory of operation, component design, model variations, and technical terminology for the entire Bosch product line, and give a solid foundation for better diagnostics and servicing. Clearly written and illustrated with photos, diagrams and charts, these books are equally at home in the vocational classroom, apprentices toolkit, or enthusiasts fireside chair. If you own a car, especially a European one, you have Bosch components and systems. Covers:-Lambda closed-loop control for passenger car diesel engines-Functional description-Triggering

signals

Physics for Game Programmers - Grant Palmer
2007-12-27

*Shows how to create realistic action games without assuming college-level Physics (which the majority of gamers won't have); includes necessary physics and mathematics *Ideal for all budding games programmers, with example code in Java, C#, and C *Complements Apress's platform-specific gaming books, like *Advanced Java Games Programming* and *Beginning .NET Games Programming with C#*, and the forthcoming *Beginning .NET Games Programming in VB.NET* *Palmer has strong contacts in the Microsoft Games Division and Electronic Arts, a major gaming producer.

Presumption of Guilt - Open Society Justice Initiative
2014-03-15

Presumption of Guilt examines the excessive use of pretrial detention: the practice of jailing criminal defendants without trial. Around the world, millions of people who should be

presumed innocent are held in pretrial detention for months or even years while they await trial. Many pretrial detainees are held in appalling conditions, tortured, denied medical care and access to a lawyer, and exposed to disease; they can lose their homes, jobs, and even families. The excessive use of pretrial detention is a massive, global but overlooked human rights violation.

SMS and MMS Interworking in Mobile Networks - A. Henry-Labordère 2004

Here is a comprehensive and highly practical guide to SMS and MMS interworking in GSM, TDMA, and CDMA mobile communications systems. The text provides the knowledge needed to plan SMS or MMS interworking both commercially and technically, and to develop software for SMS and MMS centers.

Building an Inclusive Development Community - Karen Heinicke-Motsch 2004

* An essential resource for all development agencies seeking to include people with

disabilities * User-friendly tools and practical advice from experienced practitioners There are four hundred million people with disabilities living in developing countries today. All too often they live in poverty and isolation. If development is to truly address the needs of the poor and marginalized, the inclusion of people with disabilities is crucial. Building an Inclusive Development Community is a toolkit for development agencies and others concerned with the participation of people with disabilities at all levels and in all areas of the international development process. The manual is organized into issues and includes helpful worksheets, best practice examples, resources and much more.

Thirty Years of Natural Disasters

1974-2003: The Numbers - Debarati Guha-Sapir 2004

Over the last 30 years, 6,367 natural disasters killed more than 2 million people. A cumulative total of 5.1 billion individuals were affected, of which 182 million were left homeless. These

same disasters caused US\$1.4 trillion worth of damages. Data on natural disasters and their impact on populations and economies play an essential role in understanding the factors that increase human vulnerability and the importance of disaster preparedness, mitigation and prevention.

Financial Theory and Corporate Policy - Thomas E. Copeland 2013-07-17

This classic textbook in the field, now completely revised and updated, provides a bridge between theory and practice. Appropriate for the second course in Finance for MBA students and the first course in Finance for doctoral students, the text prepares students for the complex world of modern financial scholarship and practice. It presents a unified treatment of finance combining theory, empirical evidence and applications.

Digital Terrestrial Television Broadcasting -

Paul Dambacher 2012-12-06

In the past decades, traditional television

broadcasting has been an autonomous field which was largely independent of the world of telecommunications and computers. The analog television standards PAL, SECAM and NTSC have remained almost untouched with regard to their picture information. Whatever development took place was essentially in support of programming and was based on the existence of a certain redundancy in the representation of the signal in the time and frequency domain. In the 70S, for example, the teletext system was introduced throughout Europe. A further supplementary digital service in television, introduced in the early 80S, was the Video Programme System (VPS) which utilizes part of the TV data line and ensures that programmes can be recorded with the correct timing on video recorders even when the programmes are delayed. There is no doubt that as far as the transmission from the studio to the viewer is concerned, the future belongs to digital video broadcasting (DVB) which is about to be

implemented in the satellite, cable and terrestrial radio transmission media. The European DVB Project finalized its specification for channel coding and modulation for the digital broadband transmission channels at the beginning of 1996.

SystemVerilog for Verification - Chris Spear
2012-02-14

Based on the highly successful second edition, this extended edition of SystemVerilog for Verification: A Guide to Learning the Testbench Language Features teaches all verification features of the SystemVerilog language, providing hundreds of examples to clearly explain the concepts and basic fundamentals. It contains materials for both the full-time verification engineer and the student learning this valuable skill. In the third edition, authors Chris Spear and Greg Tumbush start with how to verify a design, and then use that context to demonstrate the language features, including the advantages and disadvantages of different

styles, allowing readers to choose between alternatives. This textbook contains end-of-chapter exercises designed to enhance students' understanding of the material. Other features of this revision include: New sections on static variables, print specifiers, and DPI from the 2009 IEEE language standard Descriptions of UVM features such as factories, the test registry, and the configuration database Expanded code samples and explanations Numerous samples that have been tested on the major SystemVerilog simulators SystemVerilog for Verification: A Guide to Learning the Testbench Language Features, Third Edition is suitable for use in a one-semester SystemVerilog course on SystemVerilog at the undergraduate or graduate level. Many of the improvements to this new edition were compiled through feedback provided from hundreds of readers.

A SECRET SORROW - Karen Van Der Zee
2015-04-13

After her nightmarish recovery from a serious

car accident, Faye gets horrible news from her doctor, and it hits her hard like a rock: she can't bear children. In extreme shock, she breaks off her engagement, leaves her job and confines herself in her family home. One day, she meets her brother's best friend , and her soul makes a first step to healing.

Merchants of Labour - International Labour Office 2006

More workers are crossing national borders to look for jobs than ever before. Many migrants seek overseas employment with the help of agents or intermediaries. These "merchants of labour" include relatives who finance a migrant's trip, provide housing and arrange for a job abroad; public employment services; and private recruitment agencies. They also comprise an insalubrious underworld of smugglers and traffickers. The agents who recruit and deploy migrant workers are at the heart of the evolving migration infrastructure, i.e. the network of business and personal ties that is creating a

global labour market. This book highlights best practices in the activities and regulation of these merchants of labour as well as innovative strategies to protect migrant workers, underlining the contribution of ILO standards. It covers a broad range of national and regional experiences and puts "merchants of labour" in the wider context of changing employment relationships in globalizing labour markets. The papers it contains are an important contribution to understanding a major mechanism facilitating the growth of the migrant labour force.

Manual of Home Health Nursing Procedures - Robyn Rice 2000

CD-ROM contains full text for all the procedures available in the manual. Files are provided both as fully formatted Word 6.0 (.doc) documents and as text-only documents (.txt).

Lessons Encountered - National Defense University Press 2016-05-09
This volume represents an early attempt at assessing the Long War, now in its 14th year.

Forged in the fires of the 9/11 attacks, the war includes campaigns against al Qaeda, major conflicts in Iraq and Afghanistan, and operations in the Horn of Africa, the Republic of the Philippines, and globally, in the air and on the sea. The authors herein treat only the campaigns in Afghanistan and Iraq, the largest U.S. efforts. It is intended for future senior officers, their advisors, and other national security decision makers. By derivation, it is also a book for students in joint professional military education courses, which will qualify them to work in the field of strategy. While the book tends to focus on strategic decisions and developments of land wars among the people, it acknowledges that the status of the United States as a great power and the strength of its ground forces depend in large measure on the dominance of the U.S. Navy and U.S. Air Force in their respective domains.

An Introduction to Global Studies - Patricia J. Campbell 2011-09-13

Taking an interdisciplinary approach, An

Introduction to Global Studies presents readers with a solid introduction to the complex, interconnected forces and issues confronting today's globalized world. Introduces readers to major theories, key terms, concepts, and notable theorists Equips readers with the basic knowledge and conceptual tools necessary for thinking critically about the complex issues facing the global community Includes a variety of supplemental features to facilitate learning and enhance readers' understanding of the material

Coffee: Growing, Processing, Sustainable Production - Jean Nicolas Wintgens 2004-10-08

A quick pick-me-up or a subtle beverage with an aroma that conjures up images of special moments shared with special people? There's more to coffee than that. Apart from being a beautiful tree with fragrant flowers, coffee is also a culture, practically a religion to a certain elite and certainly a source of income to millions of people, rich and poor alike. Coffee

professionals around the world will find the specific information they need in this lavishly illustrated and practical work designed to answer all their questions about the coffee plant and how it is grown, harvested, processed and refined. Specialists and experienced professionals were consulted and some 40 renowned international experts have contributed their specific knowledge and expertise to this comprehensive handbook, covering such topics as: * Growing * Pests, diseases, and their control * Harvesting and processing * Storage, shipment, quality * The latest economical and technological aspects. In addition, special indexes demystify such confusing data as information sources, conversion tables and other technicalities. With its 40 chapters, over 1000 pages and 900 superb illustrations, this is a universally reliable manual, providing basic guidelines and recommendations applicable everywhere, and not geared to any specific country.

Springer Handbook of Automation - Shimon Y. Nof 2009-07-16

This handbook incorporates new developments in automation. It also presents a widespread and well-structured conglomeration of new emerging application areas, such as medical systems and health, transportation, security and maintenance, service, construction and retail as well as production or logistics. The handbook is not only an ideal resource for automation experts but also for people new to this expanding field.

Refugee Health Care - Heather Kizito 2001

The handbook aims to encourage health services to become more accessible and responsive to the needs of refugee consumers, and to link in, where appropriate, with other provider agencies.

The Educators' Handbook to Interactive Videodisc - Ed Schwartz 1985

This overview of interactive videodisc technology is designed to assist educators in

finding the appropriate equipment and software for any specific application. The handbook may also serve as a starting point for many educators who know nothing of the technology and assist them in deciding whether this technology is worth pursuing as an educational tool in specific situations. Although not comprehensive, the listings reflect a good portion of the videodisc-related products available today and the prices provide a good indication of the general price range of specific items. The handbook contains 10 chapters: (1) Introduction to Videodiscs; (2) Overview of Laser Disc Systems; (3) Selecting a Laser Videodisc Player; (4) Video Playback Units; (5) Videodisc Interface Units; (6) Disc Player Peripherals; (7) Videodisc System Packages; (8) Educational Videodisc Software; (9) Interactive Videodisc Authoring Languages; and (10) Videodisc Care and Maintenance. Appendices include directories of laser disc players; television monitors and projects; laser disc interfaces; laser disc peripherals; laser disc

system packages; videodisc software (listed by subject area); videodisc mastering options; interactive authoring languages; service information; and videodisc resources, which includes a manufacturer's index. (DJR)

Physics with Electrons in the ATLAS Detector - Kurt Brendlinger 2018-01-30

This thesis presents two production cross-section measurements of pairs of massive bosons using final states with leptons, made with the ATLAS detector at the Large Hadron Collider. The first measurement, performed using data collected in 2012 at center-of-mass energy $\sqrt{s} = 8$ TeV, is the first fiducial and differential cross-section measurement of the production of the Higgs Boson when it decays to four charged leptons (electrons or muons). The second measurement is the first fiducial and inclusive production cross-section measurement of WZ pairs at center-of-mass energy $\sqrt{s} = 13$ TeV using final states with three charged leptons. A significant portion of the thesis focuses on the

methods used to identify electrons from massive boson decay—important for many flagship measurements—and on assessing the efficiency of these particle identification techniques. The chapter discussing the WZ pair cross-section measurement provides a detailed example of an estimate of lepton background in the context of an analysis with three leptons in the final state.

NOAA Polar Orbiter Data Users Guide -

Katherine B. Kidwell 1995

Calculus - William L. Briggs 2010-01-01

Drawing on their decades of teaching experience, William Briggs and Lyle Cochran have created a calculus text that carries the teacher's voice beyond the classroom. That voice-evident in the narrative, the figures, and the questions interspersed in the narrative-is a master teacher leading readers to deeper levels of understanding. The authors appeal to readers' geometric intuition to introduce fundamental concepts and lay the foundation for the more

rigorous development that follows.

Comprehensive exercise sets have received praise for their creativity, quality, and scope. Note: This is the standalone book if you want the book/access card order the ISBN below:

0321665880 / 9780321665881 Multivariable Calculus Plus MyMathLab -- Access Card Package Package consists of: 0321431308 / 9780321431301 MyMathLab/MyStatLab -- Glue-in Access Card 0321654064 / 9780321654069 MyMathLab Inside Star Sticker 0321664159 / 9780321664150 Multivariable Calculus
MATLAB Machine Learning - Michael Paluszek 2016-12-28

This book is a comprehensive guide to machine learning with worked examples in MATLAB. It starts with an overview of the history of Artificial Intelligence and automatic control and how the field of machine learning grew from these. It provides descriptions of all major areas in machine learning. The book reviews commercially available packages for machine

learning and shows how they fit into the field. The book then shows how MATLAB can be used to solve machine learning problems and how MATLAB graphics can enhance the programmer's understanding of the results and help users of their software grasp the results. Machine Learning can be very mathematical. The mathematics for each area is introduced in a clear and concise form so that even casual readers can understand the math. Readers from all areas of engineering will see connections to what they know and will learn new technology. The book then provides complete solutions in MATLAB for several important problems in machine learning including face identification,

autonomous driving, and data classification. Full source code is provided for all of the examples and applications in the book. What you'll learn:
An overview of the field of machine learning
Commercial and open source packages in MATLAB
How to use MATLAB for programming and building machine learning applications
MATLAB graphics for machine learning
Practical real world examples in MATLAB for major applications of machine learning in big data
Who is this book for: The primary audiences are engineers and engineering students wanting a comprehensive and practical introduction to machine learning.