

## Electrical Trade Theory N3 2013 Question Paper

One Nation Under God? Linked Data Library of Congress Subject Headings Work Understanding Machine Learning Topological Insulators and Topological Superconductors Index to IEEE Publications Structure and Interpretation of Computer Programs - 2nd Edition Electrotechnology Practice The Art of Video Production Cinematography: Theory and Practice The Encyclopaedia Britannica New Models for Technical and Vocational Education and Training Data-intensive Text Processing with MapReduce Elements of Information Theory Engineering Science N4 Probability and Stochastic Processes Introduction to Applied Linear Algebra Volatility Trading Introduction to Statistics and Data Analysis Pace South African national bibliography A Probabilistic Theory of Pattern Recognition Photonic Crystals Islamic Finance Researching Power, Elites and Leadership An Introduction to the Theory of Elasticity Feedback Systems Permanent Magnet Synchronous Machines Strategic Management The Axiom of Choice Elements of Fiction Writing - Conflict and Suspense Convex Optimization Energy-efficient Motor Systems Software-Defined Radio for Engineers Routledge Dictionary of Economics Digital Control Engineering The R Book A First Course in Probability The SAGE Handbook of Management Learning, Education and Development

### One Nation Under God?

The World Wide Web has enabled the creation of a global information space comprising linked documents. As the Web becomes ever more enmeshed with our daily lives, there is a growing desire for direct access to raw data not currently available on the Web or bound up in hypertext documents. Linked Data provides a publishing paradigm in which not only documents, but also data, can be a first class citizen of the Web, thereby enabling the extension of the Web with a global data space based on open standards - the Web of Data. In this Synthesis lecture we provide readers with a detailed technical introduction to Linked Data. We begin by outlining the basic principles of Linked Data, including coverage of relevant aspects of Web architecture. The remainder of the text is based around two main themes - the publication and consumption of Linked Data. Drawing on a practical Linked Data scenario, we provide guidance and best practices on: architectural approaches to publishing Linked Data; choosing URIs and vocabularies to identify and describe resources; deciding what data to return in a description of a resource on the Web; methods and frameworks for automated linking of data sets; and testing and debugging approaches for Linked Data deployments. We give an overview of existing Linked Data applications and then examine the architectures that are used to consume Linked Data from the Web, alongside existing tools and frameworks that enable these. Readers can expect to gain a rich technical understanding of Linked Data fundamentals, as the basis for application development, research or further study. Table of Contents: List of Figures / Introduction / Principles of Linked Data / The Web of Data / Linked Data Design Considerations / Recipes for Publishing Linked Data / Consuming Linked Data / Summary and Outlook

### Linked Data

This exciting new text consolidates the hows and whys of researching powerful people. Written by a leading authority in the field, this book introduces the reader to a significant area of methodology, and provides a research-based contribution to elite and leadership studies. It offers a truly international perspective that will appeal to those studying and engaging with powerful people in a variety of contexts. Useful features include: - A variety of case studies and examples linked to over 1000 sources and resources - Extensive use of figures throughout the text to illustrate key points - Templates and models for planning and presentations The book promotes a practical future-oriented approach to support and inspire academic, professional and civil society researchers at all levels. It introduces new research frameworks and facilitates critical techniques through Critical Process Analysis. This is a must-have resource and an excellent new addition to the field of elite and leadership studies.

## **Library of Congress Subject Headings**

Digital controllers are part of nearly all modern personal, industrial, and transportation systems. Every senior or graduate student of electrical, chemical or mechanical engineering should therefore be familiar with the basic theory of digital controllers. This new text covers the fundamental principles and applications of digital control engineering, with emphasis on engineering design. Fadali and Visioli cover analysis and design of digitally controlled systems and describe applications of digital controls in a wide range of fields. With worked examples and Matlab applications in every chapter and many end-of-chapter assignments, this text provides both theory and practice for those coming to digital control engineering for the first time, whether as a student or practicing engineer. Extensive Use of computational tools: Matlab sections at end of each chapter show how to implement concepts from the chapter Frees the student from the drudgery of mundane calculations and allows him to consider more subtle aspects of control system analysis and design An engineering approach to digital controls: emphasis throughout the book is on design of control systems. Mathematics is used to help explain concepts, but throughout the text discussion is tied to design and implementation. For example coverage of analog controls in chapter 5 is not simply a review, but is used to show how analog control systems map to digital control systems Review of Background Material: contains review material to aid understanding of digital control analysis and design. Examples include discussion of discrete-time systems in time domain and frequency domain (reviewed from linear systems course) and root locus design in s-domain and z-domain (reviewed from feedback control course) Inclusion of Advanced Topics In addition to the basic topics required for a one semester senior/graduate class, the text includes some advanced material to make it suitable for an introductory graduate level class or for two quarters at the senior/graduate level. Examples of optional topics are state-space methods, which may receive brief coverage in a one semester course, and nonlinear discrete-time systems Minimal Mathematics Prerequisites The mathematics background required for understanding most of the book is based on what can be reasonably expected from the average electrical, chemical or mechanical engineering senior. This background includes three semesters of calculus, differential equations and basic linear algebra. Some texts on digital control require more

## **Work**

### **Understanding Machine Learning**

This market-leading introduction to probability features exceptionally clear explanations of the mathematics of probability theory and explores its many diverse applications through numerous interesting and motivational examples. The outstanding problem sets are a hallmark feature of this book. Provides clear, complete explanations to fully explain mathematical concepts. Features subsections on the probabilistic method and the maximum-minimums identity. Includes many new examples relating to DNA matching, utility, finance, and applications of the probabilistic method. Features an intuitive treatment of probability—intuitive explanations follow many examples. The Probability Models Disk included with each copy of the book, contains six probability models that are referenced in the book and allow readers to quickly and easily perform calculations and simulations.

### **Topological Insulators and Topological Superconductors**

Issues for 1973- cover the entire IEEE technical literature.

### **Index to IEEE Publications**

Based on the popular Artech House classic, Digital Communication Systems Engineering with Software-Defined Radio, this book provides a practical approach to quickly learning the software-defined radio (SDR) concepts needed for work in the field. This up-to-date volume guides readers on how to quickly 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 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 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 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 are included to assist readers with their projects in the field.

### **Structure and Interpretation of Computer Programs - 2nd Edition**

The latest edition of this classic is updated with new problem sets and material The Second Edition of this fundamental textbook maintains the book's tradition of clear, thought-provoking instruction. Readers are provided once again with an instructive mix of mathematics, physics, statistics, and information theory. All the essential topics in information theory are covered in detail, including entropy, data

compression, channel capacity, rate distortion, network information theory, and hypothesis testing. The authors provide readers with a solid understanding of the underlying theory and applications. Problem sets and a telegraphic summary at the end of each chapter further assist readers. The historical notes that follow each chapter recap the main points. The Second Edition features: \* Chapters reorganized to improve teaching \* 200 new problems \* New material on source coding, portfolio theory, and feedback capacity \* Updated references Now current and enhanced, the Second Edition of Elements of Information Theory remains the ideal textbook for upper-level undergraduate and graduate courses in electrical engineering, statistics, and telecommunications.

## **Electrotechnology Practice**

Introduces machine learning and its algorithmic paradigms, explaining the principles behind automated learning approaches and the considerations underlying their usage.

## **The Art of Video Production**

## **Cinematography: Theory and Practice**

This graduate-level textbook is the first pedagogical synthesis of the field of topological insulators and superconductors, one of the most exciting areas of research in condensed matter physics. Presenting the latest developments, while providing all the calculations necessary for a self-contained and complete description of the discipline, it is ideal for graduate students and researchers preparing to work in this area, and it will be an essential reference both within and outside the classroom. The book begins with simple concepts such as Berry phases, Dirac fermions, Hall conductance and its link to topology, and the Hofstadter problem of lattice electrons in a magnetic field. It moves on to explain topological phases of matter such as Chern insulators, two- and three-dimensional topological insulators, and Majorana p-wave wires. Additionally, the book covers zero modes on vortices in topological superconductors, time-reversal topological superconductors, and topological responses/field theory and topological indices. The book also analyzes recent topics in condensed matter theory and concludes by surveying active subfields of research such as insulators with point-group symmetries and the stability of topological semimetals. Problems at the end of each chapter offer opportunities to test knowledge and engage with frontier research issues. Topological Insulators and Topological Superconductors will provide graduate students and researchers with the physical understanding and mathematical tools needed to embark on research in this rapidly evolving field.

## **The Encyclopaedia Britannica**

The world of cinematography has changed more in the last few years than it has since it has in 1929, when sound recording was introduced. New technology, new tools and new methods have revolutionized the art and craft of telling stories visually. While some aspects of visual language, lighting and color are eternal,

shooting methods, workflow and cameras have changed radically. Even experienced film artists have a need to update and review new methods and equipment. These changes affect not only the director of photography but also the director, the camera assistants, gaffers, and digital imaging technicians. Cinematography: Theory and Practice covers both the artistry and craftsmanship of cinematography and visual storytelling. Few art forms are as tied to their tools and technology as is cinematography. Take your mastery of these new tools, techniques, and roles to the next level with this cutting-edge roadmap from author and filmmaker Blain Brown. Whether you are a student of filmmaking, just breaking into the business, currently working in the industry and looking to move up to the next level, or an experienced professional who wants to update their knowledge of tools and techniques, this book provides both a basic introduction to these issues as well as more advanced and in-depth coverage of the subject. The companion website features additional material, including lighting demonstrations, basic methods of lighting, using diffusion and other topics. Topics Include: Visual language Visual storytelling Continuity and coverage Cameras and digital sensors Exposure techniques for film and video Color in-depth Understanding digital images Waveform monitors, vectorscopes, and test charts Using linear, gamma, and log encoded video Image control and grading on the set The tools and basics of film lighting ASC-CDL, ACES and other new methods Optics and focus Camera movement Set operations Green screen, high speed and other topics

## **New Models for Technical and Vocational Education and Training**

A self-contained and coherent account of probabilistic techniques, covering: distance measures, kernel rules, nearest neighbour rules, Vapnik-Chervonenkis theory, parametric classification, and feature extraction. Each chapter concludes with problems and exercises to further the readers understanding. Both research workers and graduate students will benefit from this wide-ranging and up-to-date account of a fast-moving field.

## **Data-intensive Text Processing with MapReduce**

One Nation Under God? is a remarkable consideration of how religion manifests itself in America today.

## **Elements of Information Theory**

Convex optimization problems arise frequently in many different fields. This book provides a comprehensive introduction to the subject, and shows in detail how such problems can be solved numerically with great efficiency. The book begins with the basic elements of convex sets and functions, and then describes various classes of convex optimization problems. Duality and approximation techniques are then covered, as are statistical estimation techniques. Various geometrical problems are then presented, and there is detailed discussion of unconstrained and constrained minimization problems, and interior-point methods. The focus of the book is on recognizing convex optimization problems and then finding the most appropriate technique for solving them. It contains many worked examples and

homework exercises and will appeal to students, researchers and practitioners in fields such as engineering, computer science, mathematics, statistics, finance and economics.

## **Engineering Science N4**

In Strategic Management: Theory and Practice, Fourth Edition, John A. Parnell leads readers through detailed, accessible coverage of the strategic management field. Concise and easy to understand chapters address concepts sequentially, from external and internal analysis to strategy formulation, strategy execution, and strategic control. Rather than relegating case analysis to a chapter at the end of 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 Journal and Financial Times, illustrate the key role of strategic management in the United States and around the world.

## **Probability and Stochastic Processes**

Since it was first published in 1995, Photonic Crystals has remained the definitive text for both undergraduates and researchers on photonic band-gap materials and their use in controlling the propagation of light. This newly expanded and revised edition covers the latest developments in the field, providing the most up-to-date, concise, and comprehensive book available on these novel materials and their applications. Starting from Maxwell's equations and Fourier analysis, the authors develop the theoretical tools of photonics using principles of linear algebra and symmetry, emphasizing analogies with traditional solid-state physics and quantum theory. They then investigate the unique phenomena that take place within photonic crystals at defect sites and surfaces, from one to three dimensions. This new edition includes entirely new chapters describing important hybrid structures that use band gaps or periodicity only in some directions: periodic waveguides, photonic-crystal slabs, and photonic-crystal fibers. The authors demonstrate how the capabilities of photonic crystals to localize light can be put to work in devices such as filters and splitters. A new appendix provides an overview of computational methods for electromagnetism. Existing chapters have been considerably updated and expanded to include many new three-dimensional photonic crystals, an extensive tutorial on device design using temporal coupled-mode theory, discussions of diffraction and refraction at crystal interfaces, and more. Richly illustrated and accessibly written, Photonic Crystals is an indispensable resource for students and researchers. Extensively revised and expanded Features improved graphics throughout Includes new chapters on photonic-crystal fibers and combined index-and band-gap-guiding Provides an introduction to coupled-mode theory as a powerful tool for device design Covers many new topics, including omnidirectional reflection, anomalous refraction and diffraction, computational photonics, and much more.

## **Introduction to Applied Linear Algebra**

## **Volatility Trading**

Motors use more than half of all electricity. This book outlines an approach for increasing motor and motor system efficiency through high-efficiency motors, optimized controls, improved component sizing and repair, better transmission hardware, and more comprehensive monitoring and maintenance. In addition to explaining technical opportunities in language understandable to non-engineers, the book reviews what is known about the existing motor stock and its use, chronicles experience to date with drive power programs and policies, and offers recommendations for future efforts. Full application of the measures described can cut U.S. electricity demand by up to 20 percent, save motor users and utilities billions of dollars, reduce pollutant emissions, and enhance productivity. The book was written by an interdisciplinary team of engineers, energy analysts, and program planners who collectively have over 50 years of experience in the energy efficiency field.

### **Introduction to Statistics and Data Analysis**

Our world is being revolutionized by data-driven methods: access to large amounts of data has generated new insights and opened exciting new opportunities in commerce, science, and computing applications. Processing the enormous quantities of data necessary for these advances requires large clusters, making distributed computing paradigms more crucial than ever. MapReduce is a programming model for expressing distributed computations on massive datasets and an execution framework for large-scale data processing on clusters of commodity servers. The programming model provides an easy-to-understand abstraction for designing scalable algorithms, while the execution framework transparently handles many system-level details, ranging from scheduling to synchronization to fault tolerance. This book focuses on MapReduce algorithm design, with an emphasis on text processing algorithms common in natural language processing, information retrieval, and machine learning. We introduce the notion of MapReduce design patterns, which represent general reusable solutions to commonly occurring problems across a variety of problem domains. This book not only intends to help the reader "think in MapReduce", but also discusses limitations of the programming model as well. This volume is a printed version of a work that appears in the Synthesis Digital Library of Engineering and Computer Science. Synthesis Lectures provide concise, original presentations of important research and development topics, published quickly, in digital and print formats. For more information visit [www.morganclaypool.com](http://www.morganclaypool.com)

### **Pace**

This book provides an introduction to the mathematics needed to model, analyze, and design feedback systems. It is an ideal textbook for undergraduate and graduate students, and is indispensable for researchers seeking a self-contained reference on control theory. Unlike most books on the subject, Feedback Systems develops transfer functions through the exponential response of a system, and is accessible across a range of disciplines that utilize feedback in physical, biological, information, and economic systems. Karl Åström and Richard Murray use techniques from physics, computer science, and operations research to introduce control-oriented modeling. They begin with state space tools for analysis and design, including stability of solutions, Lyapunov functions, reachability, state

feedback observability, and estimators. The matrix exponential plays a central role in the analysis of linear control systems, allowing a concise development of many of the key concepts for this class of models. Åström and Murray then develop and explain tools in the frequency domain, including transfer functions, Nyquist analysis, PID control, frequency domain design, and robustness. They provide exercises at the end of every chapter, and an accompanying electronic solutions manual is available. Feedback Systems is a complete one-volume resource for students and researchers in mathematics, engineering, and the sciences. Covers the mathematics needed to model, analyze, and design feedback systems Serves as an introductory textbook for students and a self-contained resource for researchers Includes exercises at the end of every chapter Features an electronic solutions manual Offers techniques applicable across a range of disciplines

## **South African national bibliography**

### **A Probabilistic Theory of Pattern Recognition**

Electrotechnology Practice is a practical text that accompanies Hampson/Hanssen's theoretical Electrical Trade Principles. It covers essential units of competencies in the two key qualifications in the UEE Electrotechnology Training Package: - Certificate II in Electrotechnology (Career Start) - Certificate III in Electrotechnology Electrician Aligned with the latest Australian and New Zealand standards, the text references the Wiring Rules (AS/NZS 3000:2018) and follows the uniform structure and system of delivery as recommended by the nationally accredited vocational education and training authorities. More than 1000 illustrations convey to the learner various concepts and real-world aspects of electrical practices, a range of fully worked examples and review questions support student learning, while assessment-style worksheets support the volume of assessment. Electrotechnology Practice has strong coverage of the electives for Cert II and Cert III, preparing students to eligibly sit for the Capstone Assessment or the Licenced Electrician's Assessment (LEA). as a mandatory requirement to earn an Electrician's Licence. Premium online teaching and learning tools are available on the MindTap platform.

### **Photonic Crystals**

Interest in permanent magnet synchronous machines (PMSMs) is continuously increasing worldwide, especially with the increased use of renewable energy and the electrification of transports. This book contains the successful submissions of fifteen papers to a Special Issue of Energies on the subject area of "Permanent Magnet Synchronous Machines". The focus is on permanent magnet synchronous machines and the electrical systems they are connected to. The presented work represents a wide range of areas. Studies of control systems, both for permanent magnet synchronous machines and for brushless DC motors, are presented and experimentally verified. Design studies of generators for wind power, wave power and hydro power are presented. Finite element method simulations and analytical design methods are used. The presented studies represent several of the different research fields on permanent magnet machines and electric drives.

## **Islamic Finance**

The Routledge Dictionary of Economics, now in its third edition, provides the clearest, most authoritative definition of economic and financial terms available. The book is perfect for students and professionals interested in a broad range of disciplines including Business, Economics, Finance, and Accountancy and all additional subjects where a knowledge of these fields of essential. The dictionary has been updated to reflect the economic changes of the new Millennium including the emergence of experimental and behavioural economics, new political economy, the importance of institutions, globalization, environmental economics, financial crises and the economic emergence of China and India. It's an international dictionary that includes succinctly explained A to Z entries and definitive explanations of the key terms, accompanied by a short bibliography and comprising supplementary online definitions. In a world where the reader is met with a barrage of conflicting and competing information, this book continues to provide a definitive guide to economics.

## **Researching Power, Elites and Leadership**

## **An Introduction to the Theory of Elasticity**

The high-level language of R is recognized as one of the most powerful and flexible statistical software environments, and is rapidly becoming the standard setting for quantitative analysis, statistics and graphics. R provides free access to unrivalled coverage and cutting-edge applications, enabling the user to apply numerous statistical methods ranging from simple regression to time series or multivariate analysis. Building on the success of the author's bestselling Statistics: An Introduction using R, The R Book is packed with worked examples, providing an all inclusive guide to R, ideal for novice and more accomplished users alike. The book assumes no background in statistics or computing and introduces the advantages of the R environment, detailing its applications in a wide range of disciplines. Provides the first comprehensive reference manual for the R language, including practical guidance and full coverage of the graphics facilities. Introduces all the statistical models covered by R, beginning with simple classical tests such as chi-square and t-test. Proceeds to examine more advance methods, from regression and analysis of variance, through to generalized linear models, generalized mixed models, time series, spatial statistics, multivariate statistics and much more. The R Book is aimed at undergraduates, postgraduates and professionals in science, engineering and medicine. It is also ideal for students and professionals in statistics, economics, geography and the social sciences.

## **Feedback Systems**

The scholarship of management teaching and learning has established itself as a field in its own right and this benchmark handbook is the first to provide an account of the discipline. Original chapters from leading international academics identify the key issues and map out where the discipline is going. Each chapter provides a comprehensive and critical overview of the given topic area, highlights

current debates and reviews the emerging research agenda. Chapters embrace the study of organizations as a whole, the concepts of individual and collective learning, the delivery of formal management education and the facilitation of management development. Through consideration of these themes the Handbook analyzes, promotes and critiques the contribution of management learning, education and development to management understanding. It will be an invaluable point of reference for all students and researchers interested in broadening their understanding of this exciting and dynamic new field.

## **Permanent Magnet Synchronous Machines**

Includes publications received in terms of Copyright Act no. 9 of 1916.

## **Strategic Management**

This text introduces engineering students to probability theory and stochastic processes. Along with thorough mathematical development of the subject, the book presents intuitive explanations of key points in order to give students the insights they need to apply math to practical engineering problems. The first seven chapters contain the core material that is essential to any introductory course. In one-semester undergraduate courses, instructors can select material from the remaining chapters to meet their individual goals. Graduate courses can cover all chapters in one semester.

## **The Axiom of Choice**

This introductory statistics textbook conveys the essential concepts and tools needed to develop and nurture statistical thinking. It presents descriptive, inductive and explorative statistical methods and guides the reader through the process of quantitative data analysis. In the experimental sciences and interdisciplinary research, data analysis has become an integral part of any scientific study. Issues such as judging the credibility of data, analyzing the data, evaluating the reliability of the obtained results and finally drawing the correct and appropriate conclusions from the results are vital. The text is primarily intended for undergraduate students in disciplines like business administration, the social sciences, medicine, politics, macroeconomics, etc. It features a wealth of examples, exercises and solutions with computer code in the statistical programming language R as well as supplementary material that will enable the reader to quickly adapt all methods to their own applications.

## **Elements of Fiction Writing - Conflict and Suspense**

In Volatility Trading, Sinclair offers you a quantitative model for measuring volatility in order to gain an edge in your everyday option trading endeavors. With an accessible, straightforward approach. He guides traders through the basics of option pricing, volatility measurement, hedging, money management, and trade evaluation. In addition, Sinclair explains the often-overlooked psychological aspects of trading, revealing both how behavioral psychology can create market conditions traders can take advantage of-and how it can lead them astray.

Psychological biases, he asserts, are probably the drivers behind most sources of edge available to a volatility trader. Your goal, Sinclair explains, must be clearly defined and easily expressed—if you cannot explain it in one sentence, you probably aren't completely clear about what it is. The same applies to your statistical edge. If you do not know exactly what your edge is, you shouldn't trade. He shows how, in addition to the numerical evaluation of a potential trade, you should be able to identify and evaluate the reason why implied volatility is priced where it is, that is, why an edge exists. This means it is also necessary to be on top of recent news stories, sector trends, and behavioral psychology. Finally, Sinclair underscores why trades need to be sized correctly, which means that each trade is evaluated according to its projected return and risk in the overall context of your goals. As the author concludes, while we also need to pay attention to seemingly mundane things like having good execution software, a comfortable office, and getting enough sleep, it is knowledge that is the ultimate source of edge. So, all else being equal, the trader with the greater knowledge will be the more successful. This book, and its companion CD-ROM, will provide that knowledge. The CD-ROM includes spreadsheets designed to help you forecast volatility and evaluate trades together with simulation engines.

## **Convex Optimization**

The Art of Video Production emphasizes the enduring principles and essential skills of the communication process and the new digital technologies that are necessary to create effective video content. Author Leonard C. Shyles uses a unique approach by explaining how things are done and why things are done rather than just that they are done—it is not about concepts versus skills, but about concepts and skills.

## **Energy-efficient Motor Systems**

Accessible text covers deformation and stress, derivation of equations of finite elasticity, and formulation of infinitesimal elasticity with application to two- and three-dimensional static problems and elastic waves. 1980 edition.

## **Software-Defined Radio for Engineers**

## **Routledge Dictionary of Economics**

Ramp up the tension and keep your readers hooked! Inside you'll find everything you need to know to spice up your story, move your plot forward, and keep your readers turning pages. Expert thriller author and writing instructor James Scott Bell shows you how to craft scenes, create characters, and develop storylines that harness conflict and suspense to carry your story from the first word to the last. Learn from examples of successful novels and movies as you transform your work from ho-hum to high-tension.

- Pack the beginning, middle, and end of your book with the right amount of conflict.
- Tap into the suspenseful power of each character's inner conflict.
- Build conflict into your story's point of view.
- Balance subplots, flashbacks, and backstory to keep your story moving forward.
- Maximize the tension in your characters' dialogue.
- Amp up the suspense when you revise.

Conflict & Suspense offers proven techniques that help you craft fiction your readers won't be able to put down.

## **Digital Control Engineering**

A groundbreaking introduction to vectors, matrices, and least squares for engineering applications, offering a wealth of practical examples.

## **The R Book**

Technical and vocational education and training at technical schools are major contributing factors in combating poverty, unemployment, and inequality. The primary purpose of technical and vocational education and training is to prepare students and learners for the world of work and for a smooth transition from education institutions into the workplace. As the Fourth Industrial Revolution continues to create more radical changes in the labor market, experts are calling for a reform of education, including vocational education and training and adult and professional education. *New Models for Technical and Vocational Education and Training* is an essential scholarly research book that examines TVET and CET colleges and programs that provide intermediate skills to enhance students' chances of employability and entrepreneurship in Industry 4.0. The book explores knowledge in respect to workforce preparation, digital skills development, teaching and learning of TVET, flexibility and articulation of TVET to respond to work-integrated learning, and reskilling and upskilling to avoid skill mismatches. It is ideal for TVET schools, academicians, curriculum designers, managers, training officers, administrators, vocational professionals, researchers, and students.

## **A First Course in Probability**

*Structure and Interpretation of Computer Programs* by Harold Abelson and Gerald Jay Sussman is licensed under a Creative Commons Attribution-NonCommercial 3.0 License.

## **The SAGE Handbook of Management Learning, Education and Development**

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