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Printed antennas, also known as microstrip antennas, have a variety of beneficial properties including mechanical durability, conformability, compactness and cheap manufacturing costs. As such, they have a range of applications in both the military and commercial sectors, and are often mounted on the exterior of aircraft and spacecraft as well as incorporated into mobile radio communication devices. Printed Antennas for Wireless Communications offers a practical guide to state-of-the-art printed antenna technology used for wireless systems. Contributions from renowned global experts within both academia and industry enable the reader to design printed antennas and associated technologies, and offer valuable insights into important breakthroughs in these areas. Divided into 3 sections covering fundamental wideband printed radiating elements for wireless systems, small printed antennas for wireless systems, and advanced concepts and applications in wireless systems. Provides experimental data and applies theoretical models to present design performance trends and to give the reader an in-depth coverage of the area. Presents summaries of different approaches used in solving wireless systems such as WPAN (wireless personal area network) and MIMO (multi-input/multi-output), offering the reader an overall perspective of the pros and cons of each. Focuses on practical design, examples and 'real world' solutions. Printed Antennas for Wireless Communications offers an excellent insight on printed antennas from the theoretical to the practical; hence it will appeal to practicing design engineers within commercial and governmental/ military organisations, as well as postgraduate students and researchers in communications technology

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"The short story has been integral to the development of Caribbean literature, and continues to offer possibilities for invention and reinvigoration. As the most comprehensive study of its kind, this important and timely volume explores the significance of the short story form to Caribbean cultural production across the twentieth and twenty-first centuries. The twenty original essays collected here offer a unique set of inquiries and insights into the historical, cultural and stylistic characteristics of Caribbean short story writing. The book draws together diverse critical perspectives from established and emerging scholars, including Shirley Chew, Alison Donnell, James Procter, Raymond Ramcharitar and Elaine Savory. Essays cover the publishing histories of specific islands; intersections of the local, global and diasporic; treatments of race and gender; language, orality and genre; and cultural contexts from tourism to calypso to cricket."--P. [4] of cover.

Machine Design is a text on the design of machine elements for the engineering undergraduates of mechanical/production/industrial disciplines. The book provides a comprehensive survey of machine elements and their analytical design methods. Besides explaining the fundamentals of the tools and techniques necessary to facilitate design calculations, the text includes extensive data on various aspects of machine elements, manufacturing considerations and materials. The extensive pedagogical features make the text student friendly and provide pointers for fast recapitulation.

Seven years after his acclaimed and bestselling *The Kaufman Repertoire for Black and White*, Grandmaster Larry Kaufman is back with his new repertoire book, covering the entire scope of chess openings for both White and Black, in one volume. Two important developments made this book necessary. Larry Kaufman, who himself routinely plays the lines he advocates to

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others, discovered that after 1.d4 (the recommendation in his previous book) it became nearly impossible to show a consistent advantage for White, especially against Grunfeld and Nimzo/Ragozin defenses. The other factor was that chess engines have become so much stronger. Larry Kaufman presents a completely new White repertoire with 1.e4 aiming for an objective advantage in the simplest practical manner. You are presented with two options, while you don't have to play the sharpest lines. The Black repertoire has been thoroughly revised and updated, and three new chapters have been added. Kaufman's New Repertoire for Black and White is the first opening book that is primarily based on Monte Carlo search. The highly original analysis has resulted in loads of improvements on existing theory. This is a lucidly explained, ready-to-go and easy-to-digest repertoire with sound, practical lines that do not outdate rapidly and are suitable for masters while perfectly accessible for amateurs.

A New York Review Books Original The distinguished Croatian journalist and publisher Slavko Goldstein says, "Writing this book about my family, I have tried not to separate what happened to us from the fates of many other people and of an entire country." 1941: The Year That Keeps Returning is Goldstein's astonishing historical memoir of that fateful year—when the Ustasha, the pro-fascist nationalists, were brought to power in Croatia by the Nazi occupiers of Yugoslavia. On April 10, when the German troops marched into Zagreb, the Croatian capital, they were greeted as liberators by the Croats. Three days later, Ante Pavelić, the future leader of the Independent State of Croatia, returned from exile in Italy and Goldstein's father, the proprietor of a leftist bookstore in Karlovac—a beautiful old city fifty miles from the capital—was arrested along with other local Serbs, communists, and Yugoslav sympathizers. Goldstein was only thirteen years old, and he would never see his father again. More than fifty years later,

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Goldstein seeks to piece together the facts of his father's last days. The moving narrative threads stories of family, friends, and other ordinary people who lived through those dark times together with personal memories and an impressive depth of carefully researched historic details. The other central figure in Goldstein's heartrending tale is his mother—a strong, resourceful woman who understands how to act decisively in a time of terror in order to keep her family alive. From 1941 through 1945 some 32,000 Jews, 40,000 Gypsies, and 350,000 Serbs were slaughtered in Croatia. It is a period in history that is often forgotten, purged, or erased from the history books, which makes Goldstein's vivid, carefully balanced account so important for us today—for the same atrocities returned to Croatia and Bosnia in the 1990s. And yet Goldstein's story isn't confined by geographical boundaries as it speaks to the dangers and madness of ethnic hatred all over the world and the urgent need for mutual understanding.

Chartrand and Zhangs *Discrete Mathematics* presents a clearly written, student-friendly introduction to discrete mathematics. The authors draw from their background as researchers and educators to offer lucid discussions and descriptions fundamental to the subject of discrete mathematics. Unique among discrete mathematics textbooks for its treatment of proof techniques and graph theory, topics discussed also include logic, relations and functions (especially equivalence relations and bijective functions), algorithms and analysis of algorithms, introduction to number theory, combinatorics (counting, the Pascal triangle, and the binomial theorem), discrete probability, partially ordered sets, lattices and Boolean algebras, cryptography, and finite-state machines. This highly versatile text provides mathematical background used in a wide variety of disciplines, including mathematics and mathematics education, computer science, biology, chemistry, engineering, communications, and business.

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Some of the major features and strengths of this textbook Numerous, carefully explained examples and applications facilitate learning. More than 1,600 exercises, ranging from elementary to challenging, are included with hints/answers to all odd-numbered exercises. Descriptions of proof techniques are accessible and lively. Students benefit from the historical discussions throughout the textbook.

The year is 2009. Nineteen-year-old Jackson Meyer is a normal guy... he's in college, has a girlfriend... and he can travel back through time. But it's not like the movies – nothing changes in the present after his jumps, there's no space-time continuum issues or broken flux capacitors – it's just harmless fun. That is... until the day strangers burst in on Jackson and his girlfriend, Holly, and during a struggle with Jackson, Holly is fatally shot. In his panic, Jackson jumps back two years to 2007, but this is not like his previous time jumps. Now he's stuck in 2007 and can't get back to the future. Desperate to somehow return to 2009 to save Holly but unable to return to his rightful year, Jackson settles into 2007 and learns what he can about his abilities. But it's not long before the people who shot Holly in 2009 come looking for Jackson in the past, and these "Enemies of Time" will stop at nothing to recruit this powerful young time-traveler. Recruit... or kill him. Piecing together the clues about his father, the Enemies of Time, and himself, Jackson must decide how far he's willing to go to save Holly... and possibly the entire world.

Two people, two lives, one unfulfilled promise . . . She, smiles wide, and her happiness brightens up the world around her. Elusive, charismatic and incredibly rich, He runs away from his past and the grief it brings with it. She is capable of breaking down all his barriers, imploring his heart to give love a second chance. He wants to trust her . . . They step into a relationship

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with a vow—to stay together all their lives. But when disaster strikes, does their love prove strong enough to withstand the brutal force of reality? Or does the promise lie forgotten, even as they struggle to regain the balance of their lives? Only time will tell . . .

Write powerful, custom macros for CATIA V5 CATIA V5 Macro Programming with Visual Basic Script shows you, step by step, how to create your own macros that automate repetitive tasks, accelerate design procedures, and automatically generate complex geometries. Filled with full-color screenshots and illustrations, this practical guide walks you through the entire process of writing, storing, and executing reusable macros for CATIA® V5. Sample Visual Basic Script code accompanies the book's hands-on exercises and real-world case studies demonstrate key concepts and best practices. Coverage includes: CATIA V5 macro programming basics Communication with the environment Elements of CATParts and CATProducts 2D wireframe geometry 3D wireframe geometry and surfaces Solid features Object classes VBScript commands

Protection and Switchgear is designed as a textbook for undergraduate students of electrical and electronics engineering. The book aims at introducing students to the various abnormal operating conditions in power systems and to describe the apparatus, system protection schemes, and the phenomena of current interruption to study various switchgears.

Due to its formal nature and associated mathematical complexities, a course in Classical Mechanics is usually considered to be demanding. This problem-based course is made comprehensive through Panat's contributions which detail simpler ideas through to complex concepts.

Themes of Contemporary Art: Visual Art after 1980 (Fourth Edition) is a unique introduction to

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eight important themes that have recurred in art over the past few decades—identity, the body, time, memory, place, language, science, and spirituality. Jean Robertson and Craig McDaniel provide an intriguing and accessible guide that will stimulate students, gallery goers, and other readers to think actively and critically about visual art from 1980 to the present. The opening chapter provides a concise overview of the period, analyzing how key changes (the rise of digital media, a growing awareness of globalization, the influence of theory, the use of the Internet, and interactions with everyday culture) have resulted in an art world with dramatically expanded boundaries. Each of the remaining eight chapters features an introduction to one theme; a brief look at historical precedents and influences; a detailed analysis of how contemporary artists have responded to and embodied aspects of the theme in specific works; and two in-depth and fascinating profiles of artists who have extensively explored aspects of the theme in his or her work. Generously illustrated in full color, *Themes of Contemporary Art: Visual Art after 1980* (Fourth Edition) covers an international array of artists working with an immense variety of materials, techniques, subjects, and forms. A timeline that situates contemporary art in the context of major events in world history, art, and popular culture enhances the engaging, readable text.

This volume contains a total of thirteen papers covering a variety of AI topics ranging from computer vision and robotics to intelligent modeling, neural networks and fuzzy logic. There are two general articles on robotics and fuzzy logic. The article on robotics focuses on the application of robotics technology in plant production. The second article on fuzzy logic provides a general overview of the basics of fuzzy logic and a typical agricultural application of fuzzy logic. The article 'End effectors for tomato harvesting' enhances further the robotic

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research as applied to tomato harvesting. The application of computer vision techniques for different biological/agricultural applications, for example, length determination of cheese threads, recognition of plankton images and morphological identification of cotton fibers, depicts the complexity and heterogeneities of the problems and their solutions. The development of a real-time orange grading system in the article 'Video grading of oranges in real-time' further reports the capability of computer vision technology to meet the demand of high quality food products. The integration of neural network technology with computer vision and fuzzy logic for defect detection in eggs and identification of lettuce growth shows the power of hybridization of AI technologies to solve agricultural problems. Additional papers also focus on automated modeling of physiological processes during postharvest distribution of agricultural products, the applications of neural networks, fusion of AI technologies and three dimensional computer vision technologies for different problems ranging from botanical identification and cell migration analysis to food microstructure evaluation.

This comprehensive teaching resource helps third grade students master the conventions of standard English and boosts their vocabulary acquisition. Easy-to-scaffold lessons are clearly organized by language skills and standards to help teachers target instruction. Language Fundamentals has 207 pages of skill-based activities, including 32 review pages with multiple choice, constructed response, and open-ended questions to assess students' understanding and application of the focus skill. Format: The teacher's edition includes reproducible student pages, teacher support pages, and an answer key. Third grade skill practice covers: Nouns Adjectives Pronouns Verbs Adverbs Sentences Capitalization Abbreviations Punctuation Usage Spelling Vocabulary This new edition features: Rules and examples for each language

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skill followed by targeted application activities and unit reviews Vocabulary and word study strategies and practice for challenging skills such as shades of meaning and real-life connections between words and their use Common Core Language Standards cited on activity pages for easy reference Review activities that ask students to apply skills in context and demonstrate higher-level thinking An easy-to-read answer key This resource contains teacher support pages, reproducible student pages, and an answer key.

'IELTS Practice Tests' contains four practice tests with exam skills training and practice, and detailed explanations of answers.

"Blanche: The Maid of Lille" by Ossip Schubin (translated by Sarah Holland Adams). Published by Good Press. Good Press publishes a wide range of titles that encompasses every genre. From well-known classics & literary fiction and non-fiction to forgotten?or yet undiscovered gems?of world literature, we issue the books that need to be read. Each Good Press edition has been meticulously edited and formatted to boost readability for all e-readers and devices. Our goal is to produce eBooks that are user-friendly and accessible to everyone in a high-quality digital format.

Publisher's Note: Products purchased from Third Party sellers are not guaranteed by the publisher for quality, authenticity, or access to any online entitlements included with the product. The practical, hands-on guidance needed to troubleshoot efficiently with today's electronic test equipment Staying away from hard-to-understand theory and mathematics, this practical handbook show you how common devices such as multimeters, frequency and logic probes, signal traces, and oscilloscopes are used. You'll pinpoint problems in everything from TV sets and computers to automotive electrical systems. A practical, hands-on guide to

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troubleshooting with electronic test equipment - revised to include current testing techniques and new chapters on mechanical repairs and flowcharting.

In this volume, the noted Chinese pastor/writer Watchman Nee interprets for us what is meant by the phrase, "from glory to glory". He assures us of the love of Christ and exhorts us to have the mind of Christ, which is indeed from glory to glory.

Mary Baxter has provided inspiration and revelation to hundreds of thousands through her best-selling books *A Divine Revelation of Hell* and *A Divine Revelation of Heaven*. In this volume, Mary enables us to peer beyond the curtain of spiritual warfare, giving us a unique perspective of the worlds of angels and demons. Spiritual warfare is a continuing reality, with battles being waged every day. Through the special revelations in this book, you will better understand... The origin of evil The nature and character of Lucifer The seven realms of spiritual warfare God's power over evil spirits How to overcome demons of addiction The role of angels in spiritual warfare As you read Mary Baxter's vividly-detailed descriptions of her encounters with spiritual beings, you will receive anointed insights for conducting spiritual warfare on behalf of yourself and your loved ones.

Focuses on the first control systems course of BTech, JNTU, this book helps the student prepare for further studies in modern control system design. It offers a profusion of examples on various aspects of study.

Plant Biotechnology presents a balanced, objective exploration of the technology behind genetic manipulation, and its application to the growth and cultivation of plants. The book describes the techniques underpinning genetic manipulation and makes extensive use of case studies to illustrate how this influential tool is used in practice.

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Being and Value collects together fifteen essays by Nicholas Rescher on salient issues in metaphysics, axiology and metaphilosophy. In the way in which they shed new light on significant philosophical issues, these deliberations are emblematic of Rescher's characteristic way of illuminating timeless issues and historical perspectives in a reciprocal interrelationship. The chapters of the book are as follows: Being and Value: On the Prospect of Optimism; On Evolution and Intelligent Design; Mind and Matter; Fallacies Regarding Free Will; Sophisticating Naïve Realism; Taxonomic Complexity and the Laws of Nature; Practical Vs. Theoretical Reason; Pragmatism as a Growth Industry; Cost Benefit Epistemology; Quantifying Quality; Explanatory Surdity; Can Philosophy be Objective?; On Ontology in Cognitive Perspective; Plenum Theory [Essay Written Jointly with Patrick Grim]; and Onometrics (On Referential Analysis in Philosophy)

Ever pictured your own funeral? You won't be able to help it when you read some of the stories in this nightmarish collection, where things are never what they appear. Funerals are just the beginning. How about a day at the beach that ends in a mischievous murder? Or a cell phone that has a direct dial to . . . the dead? From the creator of the blockbuster Alex Rider Adventures and The Diamond Brothers Mysteries comes eight more fantastically frightening tales. Whatever you do, don't take this book to bed with you!

A tutorial for beginning programmers demonstrates the programming language's fundamental concepts in a series of short easy-to-understand exercises accompanied by real-world examples

Earl Babbie, best-selling author in the field, is joined by Lucia Benaquisto,

experienced researcher and teacher for *The Basics of Social Research*, First Canadian Edition. This outstanding author team makes abstract theory understandable with humour and down-to-earth examples. Canadian examples and Canadian social science research make the text even more relevant to students. This textbook is for a one semester course in research methods. The adaptation is unique because it took the American edition but added unique chapters and methods based on the reviewers' desire for comprehensive coverage. There is more material on ethics and qualitative research in the Canadian edition. There is also coverage of a more advanced topic, the elaboration model. This adaptation is also unique in the Canadian market because of its rich ancillary package.

Join Valiant Thor he examines the symbols of the Great Pyramid at Giza, through story, metaphor, and direct teaching, revealing how they might help us in today's world. This book is perfect for today's Westerner, who understands the basic principles of Christianity, yet wants to expand their knowledge into more galaxial realms. *Outwitting Tomorrow* is inspired writing - a timely, practical prescription for survival and growth through the cataclysmic events aligning for this planet, as prophesied of old. The author's mastery becomes apparent due to the complete absence of authoritarian rules. Instead, he focuses on how to expand one's

perspective in an intuitive, positive, life-affirming, self-loving way.

WordPress is much more than a blogging platform. As this practical guide clearly demonstrates, you can use WordPress to build web apps of any type—not mere content sites, but full-blown apps for specific tasks. If you have PHP experience with a smattering of HTML, CSS, and JavaScript, you'll learn how to use WordPress plugins and themes to develop fast, scalable, and secure web apps, native mobile apps, web services, and even a network of multiple WordPress sites. The authors use examples from their recently released SchoolPress app to explain concepts and techniques throughout the book. All code examples are available on GitHub. Compare WordPress with traditional app development frameworks Use themes for views, and plugins for backend functionality Get suggestions for choosing WordPress plugins—or build your own Manage user accounts and roles, and access user data Build asynchronous behaviors in your app with jQuery Develop native apps for iOS and Android, using wrappers Incorporate PHP libraries, external APIs, and web service plugins Collect payments through ecommerce and membership plugins Use techniques to speed up and scale your WordPress app

They've considered him a murderer for eighteen years, so no one in Dungirri is surprised when 'Gil' Gillespie returns and a woman's body is found in his car.

Wearied by too many deaths and doubting her own skills, local police sergeant Kris Mathews isn't sure whether Gil is a decent man wronged by life, or a hardened criminal she should lock up. But she does know he's not guilty of this murder, because she is his alibi. Gil isn't used to feeling anything for anyone. But there's a teenager here who has his eyes - a daughter he never knew existed. And the sergeant's fiery tenacity stirs his blood. He can't acknowledge either. He's made too many enemies in the Sydney Mafia and amongst corrupt cops. Kris's alibi might have saved him from a murder charge but her dedication to finding the truth has made her a target. Gil is surrounded by wilderness, but there's no place to hide, because his enemies have most of the town on their side, and they know that the one thing most punishing would be harming the few people he cares about.

This book is a unique opportunity to present in a single volume information that is needed for both experimentalists, theoreticians and computationalists for the detection, analysis, prediction and control of eddy structures in turbulent shear flows. Major identification techniques of Eddy Structures in Turbulent Shear Flows are presented together with applications to vortex dynamics, turbulence management and flow control, for experimental and numerical applications with new prediction methods: Eduction Schemes, Proper Orthogonal Decomposition,

Stochastic Estimation, Pattern Recognition Analysis, Wavelet Transform. Illustrations of the use of the different methods are given.

Forgiving your brother's murderer may be noble, but falling in love with him borders on betrayal. When Paige Zukowski enrolls at Granton University in honor of her dead brother, she has no idea fate will land her on the same campus with the very guy who killed him. But Logan Xander isn't quite the murderer she's always believed him to be. A day hasn't passed since the tragedy that Logan doesn't wish he could go back and undo everything. It doesn't take Paige long to realize he's suffered as much as she has. Forgiving him for ruining her life might not be so impossible after all. But when she actually starts to like him and realizes he likes her in return, their true anguish begins.

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