

Service Manual Bizhub C454e

Practical options pricing for better-informed investment decisions. The Heston Model and Its Extensions in VBA is the definitive guide to options pricing using two of the derivatives industry's most powerful modeling tools—the Heston model, and VBA. Light on theory, this extremely useful reference focuses on implementation, and can help investors more efficiently—and accurately—exploit market information to better inform investment decisions. Coverage includes a description of the Heston model, with specific emphasis on equity options pricing and variance modeling. The book focuses not only on the original Heston model, but also on the many enhancements and refinements that have been applied to the model, including methods that use the Fourier transform, numerical integration schemes, simulation, methods for pricing American options, and much more. The companion website offers pricing code in VBA that resides in an extensive set of Excel spreadsheets. The Heston model is the derivatives industry's most popular stochastic volatility model for pricing equity derivatives. This book provides complete guidance toward the successful implementation of this valuable model using the industry's ubiquitous financial modeling software, giving users the understanding—and VBA code—they need to produce option prices that are more accurate, and volatility surfaces that more closely reflect market conditions. Derivatives pricing is often the hinge on which profit is made or lost in financial institutions, making accuracy of utmost importance. This book will help risk managers, traders, portfolio managers, quants, academics and other professionals better understand the Heston model and its extensions, in a writing style that is clear, concise, transparent and easy to understand. For better pricing accuracy, The Heston Model and Its Extensions in VBA is a crucial resource for producing more accurate model outputs such as prices, hedge ratios, volatilities, and graphs.

A New York Times bestseller, *The Accidental Empress* is the “captivating, absorbing, and beautifully told” (Kathleen Grissom) love story of “Sisi” the Austro-Hungarian empress and wife of Emperor Franz Joseph. The year is 1853, and the Habsburgs are Europe’s most powerful ruling family. With his empire stretching from Austria to Russia, from Germany to Italy, Emperor Franz Joseph is young, rich, and ready to marry. Fifteen-year-old Elisabeth, “Sisi,” Duchess of Bavaria, travels to the Habsburg Court with her older sister, who is betrothed to the young emperor. But shortly after her arrival at court, Sisi finds herself in an unexpected dilemma: she has inadvertently fallen for and won the heart of her sister’s groom. Franz Joseph reneges on his earlier proposal and declares his intention to marry Sisi instead. Thrust onto the throne of Europe’s most treacherous imperial court, Sisi upsets political and familial loyalties in her quest to win, and keep, the love of her emperor, her people, and of the world. With Pataki’s rich period detail and cast of complex, bewitching characters, *The Accidental Empress* offers “another absolutely compelling story” (Mary Higgins Clark) with this glimpse into one of history’s most intriguing royal families, shedding new light on the glittering Hapsburg Empire and its most mesmerizing, most beloved “Fairy Queen.”

This book introduces text analytics as a valuable method for deriving insights from text data. Unlike other text analytics publications, *Practical Text Analytics: Maximizing the Value of Text Data* makes technical concepts accessible to those without extensive experience in the field. Using text analytics, organizations can derive insights from content such as emails, documents, and social media. *Practical Text Analytics* is divided into five parts. The first part introduces text analytics, discusses the relationship with content analysis, and provides a general overview of text mining methodology. In the second part, the authors discuss the practice of text analytics, including data preparation and the overall planning process. The third part covers text analytics techniques such as cluster analysis, topic models, and machine learning. In the fourth part of the book, readers learn about techniques used to communicate insights from text analysis, including data storytelling. The final part of *Practical Text Analytics* offers examples of the application of software programs for text analytics, enabling readers to mine their own text data to uncover information.

- Discover various bicycle tours throughout Europe, North America and Central Asia- With beautiful photographs, personal anecdotes and practical advice to organize your own trip- A visual invitation to discover breath-taking scenery and meet new people- Tristan and Belén share their advice and personal experiences with bike traveling- Includes numerous short stories that appeal to one's imagination For the travel and adventure enthusiasts: *Bike Life* shares the story of Tristan and Belén's adventures on various bicycle tours throughout Europe, North America and Central Asia. A book full of beautiful photographs and personal anecdotes, advice, and the many things they learned while being on the road. The book breathes adventure, but also bursts with interesting tips on how to plan your own bicycle tour, and provides some recommended routes. The book also provides an answer on the most commonly asked questions and concerns surrounding this exciting way of exploring the world, and gives inspiration to go out and pedal to a new place.

In this visually rich hardcover volume, beloved artist Rae Dunn shares her favorite techniques for approaching a blank page. From drawing with your nondominant hand to sketching with objects found in nature, each chapter offers a simple yet surprising catalyst to help readers get in touch with their own creativity. Full of gorgeous watercolors, sketches, original patterns, dreamy photography, and hand-lettered insight from the author, *In Pursuit of Inspiration* offers a unique glimpse into the process of a successful fine artist. It's the perfect how-to book for artists of all skill levels who prefer freeform experimentation to step-by-step instruction.

There has been an increasing interest in the meaning and importance of friendship in recent years, particularly in the West. However, the history of friendship, and the ways in which it has changed over time, have rarely been examined. *Friendship: A History* traces the development of friendship in Europe from the Hellenistic period to today. The book brings together a range of essays that examine the language of friendship and its significance in terms of ethics, social institutions, religious organizations and political alliances. The essays study the works of classical and contemporary authors to explore the role of friendship in Western philosophy. Ranging from renaissance friendships to Christian and secular friendships and from women’s writing to the role of class and sex in friendships, *Friendship: A History* will be invaluable to students and scholars of social history.

Specialisation in software has become a thing of the past. With the move towards graphical user interface programming, engineers must have a sound knowledge of several programming languages and for the first time most of the main technical languages are introduced in a single volume. All the example programs included relate to real life applications to provide a long needed reference that students will find invaluable throughout their studies, and a definitive guide for professional developers requiring an insight into other languages. Using C++ and Pascal to provide a basic grounding in software development the author then goes on to introduce more advanced concepts such as object-orientated design through the development of C++. Sections on Visual Basic and 80X86 Assembly Language follow before Java, Windows, NT and DOS are introduced, finishing with an overview of the UNIX system.

The Boer War of 1899-1902 was an epic of heroism and bungling, cunning and barbarism, with an extraordinary cast of characters - including Churchill, Rhodes, Conan Doyle, Smuts, Kipling, Gandhi, Kruger and Kitchener. The war revealed the ineptitude of the British military and unexpectedly exposed the corrupt underside of imperialism in the establishment of the first concentration camps, the shooting of Boer prisoners-of-war and the embezzlement of military supplies by British officers. This acclaimed book provides a complete history of the Boer War - from the first signs of unrest to the eventual peace. In the process, it debunks several of the myths which have grown up around the conflict and explores the deadly legacy it left for southern Africa.

A FUN BOOK TO COLOR, INSPIRED BY SEA CREATURES. Coloring and dedicating oneself to artistic and creative works generally develops hand-eye coordination, trains the mind to recognize shapes and orient oneself in space, promotes good relationships with others (think of a four-handed colored drawing), develops the patience and a sense of innovation. Designed for children, it contains easy to color level illustrations. But let the children cheerfully color the many little animals that populate the

oceans. The book contains: Over 50 Coloring Illustrations + the name of the sea creature to color. Format suitable for drawing 8.5 * 11 Flexible cover. Let your child discover the world by playing. Buy the book now.

The legendary Silicon Valley entrepreneur examines how both business and government organizations can harness the power of disruptive technologies. Tom Siebel, the billionaire technologist and founder of Siebel Systems, discusses how four technologies—elastic cloud computing, big data, artificial intelligence, and the internet of things—are fundamentally changing how business and government will operate in the 21st century. While this profound and fast-moving transformation can appear daunting to some, Siebel shows how organizations can not only survive, but thrive in the new digital landscape. In this authoritative yet accessible book, Siebel guides readers through the technologies driving digital transformation, and demonstrates how they can strategically exploit their powerful capabilities. He shows how leading enterprises such as Enel, 3M, Royal Dutch Shell, the U.S. Department of Defense, and others are applying AI and IoT with stunning results.

Electric Cables Handbook provides a comprehensive and substantial coverage of all types of energy cables--from wiring and flexible cables for general use, to distribution, transmission and submarine cables. It includes information on materials, design principles, installation, operating experience and standards, and several appendices contain extensive data tables on commonly used cable types and their properties. Electric Cables Handbook is an extensive source of up-to-date and essential information for electrical engineers, contractors, supply authorities and cable manufacturers.

If you are a hobbyist who wants to develop projects based on Arduino as the main microcontroller platform or an engineer interested in finding out what the Arduino platform offers, then this book is ideal for you. Some prior knowledge of the C programming language is required.

At once a non-fiction thriller and a moral maze, this is one man's epic story of trying to find a safe place in the world. When Ali Al Jenabi flees Saddam Hussein's torture chambers, he is forced to leave his family behind in Iraq. What follows is an incredible international odyssey through the shadow world of fake passports, crowded camps and illegal border crossings, living every day with excruciating uncertainty about what the next will bring. Through betrayal, triumph, misfortune - even romance and heartbreak - Ali is sustained by his fierce love of freedom and family. Continually pushed to the limits of his endurance, eventually he must confront what he has been forced to become. With enormous power and insight, *The People Smuggler* tells a story of daily heroism, bringing to life the forces that drive so many people to put their lives in unscrupulous hands. It is an utterly gripping portrait of a man cut loose from the protections of civilisation, attempting to retain his dignity and humanity while taking whatever path he can out of an impossible position. 'This is a story that had to be told.' *The Weekend Australian* 'An engrossing account of a man seen by some as a saviour and others as a criminal. A significant book.' Thomas Keneally 'Gripping.' *The Age* 'Tight, powerful and extraordinarily well written a book which glories in the strength, courage and compassion of the human spirit.' *The Drum* 'Just mindblowing a moving saga of endurance and bravery.' *The Australian Way* (Qantas Magazine) 'A totally riveting story about a brave and honourable man. Passionate, vivid and true, it bounces off the page.' Rosie Scott

This authoritative two-volume collection brings together the most important contributions to theories of money and banking written over the past century.

This is a story which will make your heart sing - a story for all the family to read together. Young Judy discovers an unexpected package in her grandfather's old study. She has never met her grandfather (Poppy) as he died before she was born, but Judy is the one to unearth the puzzle which Poppy left for his family. To find the treasure which Poppy left, the family must first solve every riddle which he wrote on a beautiful scroll, and carefully wrapped in a rich purple velvet bag. Unless they solve the puzzles, they won't find the treasure. See if you can solve the puzzles before the family does. What has Poppy left them as an inheritance? Have fun with the story and enjoy the Omega Prize at the end.

Long Size Paper 7x10 102 Sheets Margin Paper Bundle. Notebook or Note Pad for Study AID or official writing. This is an aid for school goers kids and TEEN also

This book aims to provide new insights into the complexities of theorizing contemporary adolescent literacies. It proposes a theoretical approach to understanding youth cultural production which addresses several lacunae in the field of new literacy research. Through a series of examinations of youth «writing» both inside and outside of school, the book builds an approach to the study of contemporary youth expression that draws on the theoretical and methodological insights of cultural studies. The voices of youth are central, and both the content and form of what they have to say ground the project. *Reading Youth Writing* is intended for a cross-disciplinary academic audience: it will be of particular interest to scholars and both undergraduate and graduate students in the fields of education, new literacy, cultural studies, communications and media studies, rhetoric and composition studies, sociology, and sociolinguistics. Since the content is based on youth cultural production in a period of economic and cultural globalization, the book has relevance to a broad international audience.

In this compendium of essays, some of the world's leading thinkers discuss their conceptions of space and time, as viewed through the lens of their own discipline. With an epilogue on the limits of human understanding, this volume hosts contributions from six or more diverse fields. It presumes only rudimentary background knowledge on the part of the reader. Time and again, through the prism of intellect, humans have tried to diffract reality into various distinct, yet seamless, atomic, yet holistic, independent, yet interrelated disciplines and have attempted to study it contextually. Philosophers debate the paradoxes, or engage in meditations, dialogues and reflections on the content and nature of space and time. Physicists, too, have been trying to mold space and time to fit their notions concerning micro- and macro-worlds. Mathematicians focus on the abstract aspects of space, time and measurement. While cognitive scientists ponder over the perceptual and experiential facets of our consciousness of space and time, computer scientists theoretically and practically try to optimize the space-time complexities in storing and retrieving data/information. The list is never-ending. Linguists, logicians, artists, evolutionary biologists, geographers etc., all are trying to weave a web of understanding around the same duo. However, our endeavour into a world of such endless imagination is restrained by intellectual dilemmas such as: Can humans comprehend everything? Are there any limits? Can finite thought fathom infinity? We have sought far and wide among the best minds to furnish articles that provide an overview of the above topics. We hope that, through this journey, a symphony of patterns and tapestry of intuitions will emerge, providing the reader with insights into the questions: What is Space? What is Time? Chapter [15] of this book is available open access under a CC BY 4.0 license.

Konica Minolta Maxxum 7D/Dynax 7DLark Books (NC)

Konica Minolta's new digital SLR camera-called the Maxxum 7D in North America and the Dynax 7D elsewhere-offers many unique digital SLR features. Magic Lantern helps users thoroughly understand all its advantages, and goes beyond the user's

manual with complete instructions for operating such innovative elements as the exclusive Konica Minolta Anti-Shake System, exposure compensation settings, white balance controls, creative focus control, auto exposure, and honey-comb metering system. This volume is an inspiring and breakthrough piece of academic scholarship and the first of its kind featuring a comprehensive reader-friendly approach to teach the intricacies of the various aspects of international farm animal, wildlife conservation, food safety and environmental protection law. The selected focus areas are grouped in sections, such as agrobiodiversity, fishing and aquaculture, pollinators and pesticides, soil management, industrial animal production and transportation, and international food trade. Farm animal welfare, environmental protection, biodiversity conservation, and food safety are the core of the selected chapters. Every chapter provides real-world examples to make the complex field easy to understand. With its systematic approach, this book is devoted to anyone interested in the subject, becomes a valuable resource for professionals working in food regulation, and provides a solid foundation for courses and master's programs in animal law, environmental policy, food and agriculture law, and regulation of these subjects around the world. Through its emphasis on sustainable food production, this work offers a cutting-edge selection of evolving topics at the heart of the pertinent discourse. As one of its highlights, this book also provides "Tools for Change," a unique compilation and analysis of laws from the major farm animal product trading nations. With these tools, practitioners, advocates, policy makers and other state-holders are equipped with information to start work toward improving farm animal welfare, wildlife conservation, and food safety through the use of law and policy.

The AutoCAD Electrical 2020 Black Book starts with basics of Electrical Designing, goes through all the Electrical controls related tools and discusses practical examples of electrical schematic and panel designing. In this edition, two annexures are added to explain basic concepts of control panel designing.

Never before has so much ground been covered in a single volume reference source. This five-part work is sure to be of great value to students, technicians and practicing engineers as well as equipment designers and manufacturers, and should become their one-stop shop for all information needs in this subject area. This book will be of interest to those working with: Static Drives, Static Controls of Electric Motors, Speed Control of Electric Motors, Soft Starting, Fluid Coupling, Wind Mills, Generators, Painting procedures, Effluent treatment, Electrostatic Painting, Liquid Painting, Instrument Transformers, Core Balanced CTs, CTs, VTs, Current Transformers, Voltage Transformers, Earthquake engineering, Seismic testing, Seismic effects, Cabling, Circuit Breakers, Switching Surges, Insulation Coordination, Surge Protection, Lightning, Over-voltages, Ground Fault Protections, Earthing, Earth fault Protection, Shunt Capacitors, Reactive control, Bus Systems, Bus Duct, & Rising mains *A 5-part guide to all aspects of electrical power engineering *Uniquely comprehensive coverage of all subjects associated with power engineering *A one-stop reference resource for power drives, their controls, power transfer and distribution, reactive controls, protection (including over voltage and surge protection), maintenance and testing electrical engineering

This book titled "Basic Computer Knowledge Multiple Choice Questions and Answers (MCQs): Quizzes & Practice Tests with Answer Key" covers mock tests for competitive exams. This book can help to learn and practice Basic Computer Knowledge Quizzes as a quick study guide for placement test preparation. "Basic Computer Knowledge MCQs" will help with theoretical, conceptual, and analytical study for self-assessment, career tests. "Basic Computer Knowledge Multiple Choice Questions and Answers (MCQs)" pdf is a revision guide with a collection of trivia questions to fun quiz questions and answers pdf on topics: application software, applications of computers, basics of information technology, computer architecture, computer networks, data communication, data protection and copyrights, data storage, displaying and printing data, interacting with computer, internet fundamentals, internet technology, introduction to computer systems, operating systems, processing data, spreadsheet programs, windows operating system, word processing to enhance teaching and learning. Basic Computer Knowledge Quiz Questions and Answers pdf also covers the syllabus of many competitive papers for admission exams of different universities from computer science textbooks on chapters: Application Software Multiple Choice Questions: 100 MCQs Applications of Computers Multiple Choice Questions: 29 MCQs Basics of Information Technology Multiple Choice Questions: 150 MCQs Computer Architecture Multiple Choice Questions: 93 MCQs Computer Networks Multiple Choice Questions: 72 MCQs Data Communication Multiple Choice Questions: 57 MCQs Data Protection and Copyrights Multiple Choice Questions: 50 MCQs Data Storage Multiple Choice Questions: 89 MCQs Displaying and Printing Data Multiple Choice Questions: 47 MCQs Interacting with Computer Multiple Choice Questions: 53 MCQs Internet Fundamentals Multiple Choice Questions: 55 MCQs Internet Technology Multiple Choice Questions: 85 MCQs Introduction to Computer Systems Multiple Choice Questions: 106 MCQs Operating Systems Multiple Choice Questions: 200 MCQs Processing Data Multiple Choice Questions: 111 MCQs Spreadsheet Programs Multiple Choice Questions: 78 MCQs Windows Operating System Multiple Choice Questions: 60 MCQs Word Processing Multiple Choice Questions: 66 MCQs The chapter "Application Software MCQs" covers topics of application software, presentation basics, presentation programs, presentation slides, word processing elements, and word processing programs. The chapter "Applications of Computers MCQs" covers topics of computer applications, and uses of computers. The chapter "Basics of Information Technology MCQs" covers topics of introduction to information technology, IT revolution, cathode ray tube, character recognition devices, computer memory, computer mouse, computer plotters, computer printers, computer system software, memory devices, information system development, information types, input devices of computer, microphone, output devices, PC hardware and software, random access memory ram, read and write operations, Read Only Memory (ROM), Sequential Access Memory (SAM), static and dynamic memory devices, system software, video camera, and scanner. The chapter "Computer Architecture MCQs" covers topics of introduction to computer architecture, errors in architectures, arithmetic logic unit, bus networks, bus topology, central processing unit, computer languages, input output unit, main memory, memory instructions, motherboard, peripherals devices, Random Access Memory (RAM), Read Only Memory (ROM), and types of registers in computer. The chapter "Computer Networks MCQs" covers topics of introduction to computer networks, LAN and WAN networks, network and internet protocols, network needs, network topologies, bus topology, ring topology, star topology, dedicated server network, ISO and OSI models, networking software, and peer to peer network. The chapter "Data Communication MCQs" covers topics of introduction to data communication, data communication media, asynchronous and synchronous transmission, communication speed, modulation in networking, and transmission modes. The chapter "Data Protection and Copyrights MCQs" covers topics of computer viruses, viruses, anti-virus issues, data backup, data security, hackers, software and copyright laws, video camera, and scanner. The chapter "Data Storage MCQs" covers topics of measuring of data, storage device types, storage devices basics, measuring and improving drive performance, and storage devices files. The chapter "Displaying and Printing Data MCQs" covers topics of computer printing, computer monitor, data projector, and monitor pixels. The chapter "Interacting with Computer MCQs" covers

topics of computer hardware, computer keyboard, audiovisual input devices, optical character recognition devices, optical input devices, and optical input devices examples. The chapter "Internet Fundamentals MCQs" covers topics of introduction to internet, internet protocols, internet addresses, network of networks, computer basics, e-mail, and World Wide Web (WWW). The chapter "Internet Technology MCQs" covers topics of history of internet, internet programs, network and internet protocols, network of networks, File Transfer Protocol (FTP), online services, searching web, sponsored versus non-sponsored links, using a metasearch engine, using Boolean operators in your searches, using e-mail, web based e-mail services, and World Wide Web (WWW). The chapter "Introduction to Computer Systems MCQs" covers topics of parts of computer system, computer data, computer for individual users, computer hardware, computer software and human life, computers and uses, computers in society, desktop computer, handheld pcs, mainframe computers, minicomputers, network servers, notebook computers, smart phones, storage devices and functions, supercomputers, tablet PCs, and workstations. The chapter "Operating Systems MCQs" covers topics of operating system basics, operating system processes, operating system structure, Linux operating system, operating system errors, backup utilities, different types of windows, Disk Operating System (DOS), DOS commands, DOS history, user interface commands, user interface concepts, user interfaces, and windows XP. The chapter "Processing Data MCQs" covers topics of microcomputer processor, microcomputer processor types, binary coded decimal, computer buses, computer memory, hexadecimal number system, machine cycle, number systems, octal number system, standard computer ports, text codes, and types of registers in computer. The chapter "Spreadsheet Programs MCQs" covers topics of spreadsheet programs basics, spreadsheet program cells, spreadsheet program functions, and spreadsheet program wizards. The chapter "Windows Operating System MCQs" covers topics of windows operating system, features of windows, window desktop basics, window desktop elements, window desktop types. The chapter "Word Processing MCQs" covers topics of word processing basics, word processing commands, word processing fonts, and word processing menu.

The Wiley-Interscience Paperback Series consists of selected books that have been made more accessible to consumers in an effort to increase global appeal and general circulation. With these new unabridged softcover volumes, Wiley hopes to extend the lives of these works by making them available to future generations of statisticians, mathematicians, and scientists. "For both applied and theoretical statisticians as well as investigators working in the many areas in which relevant use can be made of discriminant techniques, this monograph provides a modern, comprehensive, and systematic account of discriminant analysis, with the focus on the more recent advances in the field." –SciTech Book News ". . . a very useful source of information for any researcher working in discriminant analysis and pattern recognition." –Computational Statistics Discriminant Analysis and Statistical Pattern Recognition provides a systematic account of the subject. While the focus is on practical considerations, both theoretical and practical issues are explored. Among the advances covered are regularized discriminant analysis and bootstrap-based assessment of the performance of a sample-based discriminant rule, and extensions of discriminant analysis motivated by problems in statistical image analysis. The accompanying bibliography contains over 1,200 references.

Shows and describes different kinds of rocks and minerals, and tells how to identify rocks by testing for hardness, streak color, and density

Filled with practical, step-by-step instructions and clear explanations for the most important and useful tasks. This is a Packt Instant guide, which provides concise and clear recipes to create PLC programs using RSLogix 5000. The purpose of this book is to capture the core elements of PLC programming with RSLogix 5000 so that electricians, instrumentation techs, automation professionals, and students who are familiar with basic PLC programming techniques can come up to speed with a minimal investment of time and energy.

This volume is the official reference manual for GNU Bash, the standard GNU command-line interpreter.

This is the book for you if you are a student, hobbyist, developer, or designer with little or no programming and hardware prototyping experience, and you want to develop IoT applications. If you are a software developer or a hardware designer and want to create connected devices applications, then this book will help you get started.

ADO.NET revolutionized the way data was accessed through SQL Server, Oracle, and MySQL. With Microsoft's release of ADO.NET 2, ADO and the .NET Framework are integrated with SQL Server for the first time-enabling you to program .NET applications directly within the SQL Server database. Packed with sample code and recommended best practices for using ADO.NET 2, this code-intensive book explores the new data types that are available in the 2.0 Framework and discusses the appropriate time and way to use them. You'll learn how to make repetitive, mundane tasks much simpler and you'll walk away with a solid foundation for developing database-driven applications. What you will learn from this book The basics of creating a connection, executing a query, and returning a result Best uses for Oracle in the ADO.NET Framework The many new features that are available for XML How to use the full text search capabilities of Microsoft(r) SQL Server 2005 Methods for retrieving data and presenting it in various ways Why MySQL is a viable option for data storage Who this book is for This book is for experienced database developers who want to learn the latest release of ADO.NET 2.0. Knowledge of ADO.NET 1.0, general .NET development, and Microsoft SQL Server is necessary. Wrox Professional guides are planned and written by working programmers to meet the real-world needs of programmers, developers, and IT professionals. Focused and relevant, they address the issues technology professionals face every day. They provide examples, practical solutions, and expert education in new technologies, all designed to help programmers do a better job.

Transform old tech into amazing, modern inventions Fans of Popular Science, Smithsonian's Maker Lab, and The Big Book of Makerspace Projects will love Upcycled Technology. DIY science projects using your discarded stuff: We all have a drawer or closet full of old discarded tech just sitting around gathering dust. Memories of a bygone technological era that have been replaced by newer, shiner, smarter devices. What can you do with them? Most of us don't even know how to properly dispose of them. If only there was a way to save them from their untimely fate. DIY electronics: Well empty out that drawer and grab a screwdriver, because the time has come to bring these old devices back from the

grave! Old technology may no longer be useful, but it isn't useless. Hidden inside often discarded devices is a treasure trove of motors, magnets, screens, and other parts just waiting for a chance to be upcycled! Hardcore electronics and computer projects: And this type of "upcycling" doesn't mean turning an old CD into a coaster, it means something a little more hardcore. Readers will learn:

- How to make a great Wi-Fi security camera with an old cell phone
- How to make a basic 3D printer out of old computer disk drives
- What can be made with the rare-earth magnets inside old hard drives or the reusable LCD screens in old phones
- And much more

Creating new zombie tech from old tech is eco-friendly and it's also a fantastic way to learn about the technology we use (or used to use) every day. The only limit is your curiosity and willingness to tinker! A tech book for tinkerers and makers

In the midst of Trump's attacks on the media, comes this look at the rigorous, independent reporting of the year's most underreported news stories. While the country's president displays a brazen disregard for the First Amendment and routinely demonizes the press as "the enemy of the people," *Censored 2020* looks beyond Donald Trump's dizzying contempt for the truth to clarify the corporate media's complicity in misinforming the American public--while also providing a clear vision of a better future, based on rigorous, trustworthy independent reporting that presents a fuller picture of truth. With a discerning eye, *Censored 2020* focuses the public's attention on the most important but underreported news stories of 2018-2019. These stories expose the corporate news media's systemic blind spots while highlighting the crucial role played by independent journalists in providing the kind of news necessary for informed, engaged citizens. The book also examines this year's lowlights in "junk food news" and "news abuse"--further revealing how corporate news often functions as propaganda--as well as highlights of exemplary organizations that champion "Media Democracy in Action." Additional chapters address the importance of constructive journalism, the untold story of Kashmir, news coverage of LGBTQ issues in the Trump era, "fake news" as a Trojan horse for censorship, and online memes as a form of political communication.

Pathwise estimation and inference for diffusion market models discusses contemporary techniques for inferring, from options and bond prices, the market participants' aggregate view on important financial parameters such as implied volatility, discount rate, future interest rate, and their uncertainty thereof. The focus is on the pathwise inference methods that are applicable to a sole path of the observed prices and do not require the observation of an ensemble of such paths. This book is pitched at the level of senior undergraduate students undertaking research at honors year, and postgraduate candidates undertaking Master's or PhD degree by research. From a research perspective, this book reaches out to academic researchers from backgrounds as diverse as mathematics and probability, econometrics and statistics, and computational mathematics and optimization whose interest lie in analysis and modelling of financial market data from a multi-disciplinary approach. Additionally, this book is also aimed at financial market practitioners participating in capital market facing businesses who seek to keep abreast with and draw inspiration from novel approaches in market data analysis. The first two chapters of the book contains introductory material on stochastic analysis and the classical diffusion stock market models. The remaining chapters discuss more special stock and bond market models and special methods of pathwise inference for market parameter for different models. The final chapter describes applications of numerical methods of inference of bond market parameters to forecasting of short rate. Nikolai Dokuchaev is an associate professor in Mathematics and Statistics at Curtin University. His research interests include mathematical and statistical finance, stochastic analysis, PDEs, control, and signal processing. Lin Yee Hin is a practitioner in the capital market facing industry. His research interests include econometrics, non-parametric regression, and scientific computing.

The AutoCAD Electrical 2021 Black Book, the 6th edition of AutoCAD Electrical Black book, has been updated as per the enhancements in the AutoCAD Electrical 2021. Following the same strategy as for the previous edition, the book follows a step by step methodology. It covers almost all the information required by a learner to master the AutoCAD Electrical. The book starts with basics of Electrical Designing, goes through all the Electrical controls related tools and discusses practical examples of electrical schematic and panel designing. Chapter on Reports makes you able to create and edit electrical component reports. We have also discusses the interoperability between Autodesk Inventor and AutoCAD Electrical which is need of industry these days. In this edition, two annexures are added to explain basic concepts of control panel designing. Some of the salient features of this book are: In-Depth explanation of concepts Every new topic of this book starts with the explanation of the basic concepts. In this way, the user becomes capable of relating the things with real world. Topics Covered Every chapter starts with a list of topics being covered in that chapter. In this way, the user can easy find the topic of his/her interest easily. Instruction through illustration The instructions to perform any action are provided by maximum number of illustrations so that the user can perform the actions discussed in the book easily and effectively. There are about 900 small and large illustrations that make the learning process effective. Tutorial point of view At the end of concept's explanation, the tutorial make the understanding of users firm and long lasting. Almost each chapter of the book has tutorials that are real world projects. Moreover most of the tools in this book are discussed in the form of tutorials. Project Free projects and exercises are provided to students for practicing. For Faculty If you are a faculty member, then you can ask for video tutorials on any of the topic, exercise, tutorial, or concept.

This book has been considered by academicians and scholars of great significance and value to literature. This forms a part of the knowledge base for future generations. So that the book is never forgotten we have represented this book in a print format as the same form as it was originally first published. Hence any marks or annotations seen are left intentionally to preserve its true nature.

This updated resource shows how to interpret schematic diagrams—and design your own Written by an experienced engineer, this easy-to-follow TAB guide shows, step-by-step, how to navigate the roadmaps of electronic circuits and systems. Filled with new illustrations and DIY examples, the book clearly explains how to understand and create high-precision electronics diagrams. You will discover how to identify parts and connections, interpret element ratings, and apply diagram-based information in your own projects. Beginner's Guide to Reading Schematics, Fourth Edition, also contains valuable appendices covering symbols, resistor color codes, and parts suppliers. Up-to-date coverage includes:

- Block, schematic, and pictorial diagrams
- Resistors and capacitors
- Inductors and transformers
- Switches, relays, conductors, and cables
- Diodes, transistors, Op amps, and logic gates
- Electron tubes , cells, and batteries
- Voltage dividers and reducers
- Simple and complex circuits
- Breadboards and wire wrapping
- Electronics troubleshooting
- Digital electronics and functional circuits
- And much more

* Hardware/Software Partitioning * Cross-Platform Development * Firmware Debugging * Performance Analysis * Testing & Integration Get into embedded systems programming with a clear understanding of the development cycle and the specialized aspects of

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