

Agfa Service Manual Avantra 25

A Practical Guide to Piping and Valves for the Oil and Gas Industry covers how to select, test and maintain the right oil and gas valve. Each chapter focuses on a specific type of valve with a built-in structured table on valve selection. Covering both onshore and offshore projects, the book also gives an introduction to the most common types of corrosion in the oil and gas industry, including CO₂, H₂S, pitting, crevice, and more. A model to evaluate CO₂ corrosion rate on carbon steel piping is introduced, along with discussions on bulk piping components, including fittings, gaskets, piping and flanges. Rounding out with chapters devoted to valve preservation to protect against harmful environments and factory acceptance testing, this book gives engineers and managers a much-needed tool to better understand today's valve technology. Presents oil and gas examples and challenges relating to valves, including many illustrations from valves in different stages of projects Helps readers understand valve materials, testing, actuation, packing and preservation, also including a new model to evaluate CO₂ corrosion rates on carbon steel piping Presents structured valve selection tables in each chapter to help readers pick the right valve for the right project

From breakout author Monica Murphy comes the exhilarating conclusion to Drew and Fable's story—the star-crossed young romance that began in *One Week Girlfriend*. Lost. Everything in my life can be summed up by that one sickening word. My football coach blames me for our season-ending losses. So does the rest of the team. I wasted two whole months drowning in my own despair, like a complete loser. And I lost my girlfriend—Fable Maguire, the only girl who ever mattered—because I was afraid that being with me would only hurt her. But now I realize that I'm the one who's truly lost without her. And even though she acts like she's moved on and everything's fine, I know she still thinks about me just as much as I think about her. I know her too well. She's so damn vulnerable, all I want to do is be there to help her . . . to hold her . . . to love her. I just need her to give me one more chance. We may be lost without each other, but together, we're destined to find a love that lasts forever. **BONUS:** This edition includes an excerpt from Monica Murphy's *Three Broken Promises*.

The elbow is a complex joint and injuries can be difficult to treat. This book is a comprehensive guide to the diagnosis and management of elbow injuries. Beginning with an introduction to the anatomy and biomechanics of the joint, the following chapters describe both surgical and non-surgical treatment of numerous elbow disorders, from common injuries such as tennis elbow, tendon rupture and dislocation, to more complex disorders, including fractures, Panner's Disease and Osteochondritis Dissecans. Highly illustrated with more than 250 images and diagrams, this book is a useful reference for both practising orthopaedic surgeons and trainees. Key points Comprehensive guide to elbow injuries for clinicians and trainees Discusses surgical and non-surgical treatment of numerous disorders and injuries Covers both common and more complex conditions Includes more than 250 images and illustrations

This text is designed to present aspects of economic theory and analysis that are most relevant to students of business administration in an intuitive calculus-based or non-calculus based format, depending on the preferences of the instructor.

Wind Energy Engineering: A Handbook for Onshore and Offshore Wind Turbines is the most advanced, up-to-date and research-focused text on all aspects of wind energy engineering. Wind energy is pivotal in global electricity generation and for achieving future essential energy demands and targets. In this fast moving field this must-have edition starts with an in-depth look at the present state of wind integration and distribution worldwide, and continues with a high-level assessment of the advances in turbine technology and how the investment, planning,

and economic infrastructure can support those innovations. Each chapter includes a research overview with a detailed analysis and new case studies looking at how recent research developments can be applied. Written by some of the most forward-thinking professionals in the field and giving a complete examination of one of the most promising and efficient sources of renewable energy, this book is an invaluable reference into this cross-disciplinary field for engineers. Contains analysis of the latest high-level research and explores real world application potential in relation to the developments Uses system international (SI) units and imperial units throughout to appeal to global engineers Offers new case studies from a world expert in the field Covers the latest research developments in this fast moving, vital subject Written for experienced programmers who need detailed explanations of the JFC libraries, this volume covers all aspects of the swing framework. Swing is the long-awaited successor to the AWT's heavyweight components.

Unhappiness, says bestselling author Harriet Lerner, is fueled by three key emotions: anxiety, fear, and shame. They are the uninvited guests in our lives. When tragedy or hardship hits, they may become our constant companions. Anxiety can wash over us like a tidal wave or operate as a silent thrum under the surface of our daily lives. With stories that are sometimes hilarious and sometimes heartbreaking, Lerner takes us from "fear lite" to the most difficult lessons the universe sends us. We learn: how a man was "cured in a day" of the fear of rejection -- and what we can learn from his story how the author overcame her dread of public speaking when her worst fears were realized how to deal with the fear of not being good enough, and with the shame of feeling essentially flawed and inadequate how to stay calm and clear in an anxious, crazy workplace how to manage fear and despair when life sends a crash course in illness, vulnerability, and loss how "positive thinking" helps -- and harms how to be our best and bravest selves, even when we are terrified and have internalized the shaming messages of others No one signs up for anxiety, fear, and shame, but we can't avoid them either. As we learn to respond to these three key emotions in new ways, we can live more fully in the present and move into the future with courage, clarity, humor, and hope. Fear and Other Uninvited Guests shows us how.

whether you're on a budget or just feeling too lazy to put on pants, dining out every day is probably not feasible, so we've found the perfect way to bring the restaurant to you! We've got the lowdown on all the best copycat recipes. From KFC, Original-Style Chicken to Olive Garden Burger Recipes, you'll be amazed by these real-deal takes on your restaurant faves. And if you're feeling inspired for more home-cooked meals, try any of our other recipes to feel good.

Electric Motors and Drives: Fundamentals, Types and Applications provides information regarding the inner workings of motor and drive system. The book is comprised of nine chapters that cover several aspects and types of motor and drive systems. Chapter 1 discusses electric motors, and Chapter 2 deals with power electronic converters for motor drives. Chapter 3 covers the conventional d.c. motors, while Chapter 4 tackles inductions motors – rotating field, slip, and torque. The book also talks about the operating characteristics of induction motors, and then deals with the inverter-fed induction motor drives. The stepping motor systems; the synchronous, switched reluctance, and brushless d.c. drives; and the motor/drive selection are also covered. The text will be of great use to individuals who wish to familiarize themselves with motor and drive systems.

This book provides a comprehensive practical treatment of the modelling of electrical power systems, and the theory and practice of fault analysis of power systems covering detailed and advanced theories as well as modern industry practices. The continuity

and quality of electricity delivered safely and economically by today's and future's electrical power networks are important for both developed and developing economies. The correct modelling of power system equipment and correct fault analysis of electrical networks are pre-requisite to ensuring safety and they play a critical role in the identification of economic network investments. Environmental and economic factors require engineers to maximise the use of existing assets which in turn require accurate modelling and analysis techniques. The technology described in this book will always be required for the safe and economic design and operation of electrical power systems. The book describes relevant advances in industry such as in the areas of international standards developments, emerging new generation technologies such as wind turbine generators, fault current limiters, multi-phase fault analysis, measurement of equipment parameters, probabilistic short-circuit analysis and electrical interference. *A fully up-to-date guide to the analysis and practical troubleshooting of short-circuit faults in electricity utilities and industrial power systems *Covers generators, transformers, substations, overhead power lines and industrial systems with a focus on best-practice techniques, safety issues, power system planning and economics *North American and British / European standards covered

"Principles of Electronic Communication Systems" is an introductory course in communication electronics for students with a background in basic electronics. The program provides students with the current, state-of-the-art electronics techniques used in all modern forms of electronic communications, including radio, television, telephones, facsimiles, cell phones, satellites, LAN systems, digital transmission, and microwave communications. The text is readable with easy-to-understand line drawings and color photographs. The up-to-date content includes a new chapter on wireless communications systems. Various aspects of troubleshooting are discussed throughout..

If you can build websites with CSS and JavaScript, this book takes you to the next level—creating dynamic, database-driven websites with PHP and MySQL. Learn how to build a database, manage your content, and interact with users. With step-by-step tutorials, this completely revised edition gets you started with expanded coverage of the basics and takes you deeper into the world of server-side programming. The important stuff you need to know: Get up to speed quickly. Learn how to install PHP and MySQL, and get them running on both your computer and a remote server. Gain new techniques. Take advantage of the all-new chapter on integrating PHP with HTML web pages. Manage your content. Use the file system to access user data, including images and other binary files. Make it dynamic. Create pages that change with each new viewing. Build a good database. Use MySQL to store user information and other data. Keep your site working. Master the tools for fixing things that go wrong. Control operations. Create an administrative interface to oversee your site.

Aakriti loves Neeraj who is smart, sensible and a passionate lover, Neeraj loves Aakriti who is simple, innocent but very naughty. They together made "A CUTE LOVE STORY "which is completed 42,926 words romantic story of MBA college students set in lucknow. Fun, romance and sensual, the book revolves around the girl Aakriti and also Neeraj who learn the ultimate meaning of honesty, passion, and devotion and changed himself to be a true lover of the girl.Aakriti who after a lot of hard work and struggle

,manages to get into the MBA college finds herself to be attracted towards one of the senior who also started liking her a lot .Neeraj who himself was attracted towards Aakriti and likes her for her simplicity but remains reserved and never approached her. MBA College brought all new experiences for Aakriti, the environment in the hostel, the fun they use to have, different type of people and heavy loads of assignments, placement time, changing attitude of friends. Where on one side it all appears to be very tough to handle and life seems to be very difficult here, on the other hand life became pleasant for her after being friendly with khushi who later becomes her roommate.With time she realizes Neeraj was not serious about her, he behaves in the same way with other students and juniors and there was nothing special about her for him. She was heartbroken but she didn't said anything to him as she realized that he never made any commitment to her and wished him good luck and said bye forever . Where after that Aakriti suffered the pain and agony from being separated by her love, Neeraj realizes that Aakriti really loved him and started missing her. He realized he could not do without her and what he has lost. After the 3rd trimester break when Aakriti came back to lucknow and miss each and every moment in college when she saw him, Neeraj wasn't there for her. Khushi her roommate understands her feelings but didn't want her to live in fantasy and want her to move on. Once when she was sitting in her room someone knocked Aakriti's room and she was shocked after opening the door.Who was there at the door? Is this any how related to her dreams? Did she finally get her love? Will there be the successful ending for this cute love story ? Now a little about me.I am an avid reader of romance and love writing it as well. I have taken part in many of the poem/creative writing programmes in college and got certificates also. I believe the story would definitely fascinate the youngsters and for all other readers it would bring their old memories of college life back.

Blank recipe cookbook for you to share your favorite recipes. A writing gift to cherish and pass down your favorite dishes to family and loved ones. Size: 7.44" x 9.69" Cover: Soft - Glossy Pages: 100 pages - 50 Sheets

This collective work identifies the latest developments in the field of the automatic processing and analysis of digital color images. For researchers and students, it represents a critical state of the art on the scientific issues raised by the various steps constituting the chain of color image processing. It covers a wide range of topics related to computational color imaging, including color filtering and segmentation, color texture characterization, color invariant for object recognition, color and motion analysis, as well as color image and video indexing and retrieval. Contents 1. Color Representation and Processing in Polar Color Spaces, Jesús Angulo, Sébastien Lefèvre and Olivier Lezoray. 2. Adaptive Median Color Filtering, Frédérique Robert-Inacio and Eric Dinet. 3. Anisotropic Diffusion PDEs for Regularization of Multichannel Images: Formalisms and Applications, David Tschumperlé. 4. Linear Prediction in Spaces with Separate Achromatic and Chromatic Information, Olivier Alata, Imtihan Qazi, Jean-Christophe Burie and Christine Fernandez-Maloigne. 5. Region Segmentation, Alain Clément, Laurent Busin, Olivier Lezoray and Ludovic Macaire. 6. Color Texture Attributes, Nicolas Vandenbroucke, Olivier Alata, Christèle Lecomte, Alice Porebski and Imtihan Qazi. 7. Photometric Color Invariants for Object Recognition, Damien Muselet. 8. Color Key Point Detectors and Local Color Descriptors, Damien Muselet and Xiaohu Song. 9. Motion Estimation in Color Image Sequences, Bertrand Augereau and Jenny Benois-Pineau.

A Washington Post bestselling cookbook Become the favorite family chef with 100 tested, perfected, and family approved recipes. The healthy cookbook for every meal of the day: Once upon a time, Jenn Segal went to culinary school and worked in fancy restaurants. One marriage and two kids later she created Once Upon a Chef, the popular blog that applies her tried and true chef skills with delicious, fresh, and approachable ingredients for family friendly meals. With the authority of a professional chef and the practicality of a busy working mom, Jenn shares 100 recipes that will up your kitchen game while surprising you with their ease. • Helpful tips on topics such as how to season correctly with salt, how to balance flavors, and how to make the most of leftovers. • Great recipes for easy weeknight family dinners kids will love, indulgent desserts, fun cocktails, exciting appetizers, and more. • Jenn Segal is the founder of Once Upon a Chef, the popular blog showcasing easy, family friendly recipes from a chef's point of view. Her recipes have been featured on numerous websites, magazines, and television programs. Fans of Chrissy Teigen, Skinnytaste, Pioneer Woman, Oh She Glows, Magnolia Table, and Smitten Kitchen will love Once Upon a Chef, the Cookbook. With 100 tested, perfected, and family approved recipes with helpful tips and tricks to improve your cooking. • Breakfast favorites like Maple, Coconut & Blueberry Granola and Savory Ham & Cheese Waffles • Simple soups, salads and sandwiches for ideal lunches like the Fiery Roasted Tomato Soup paired with Smoked Gouda & Pesto Grilled Cheese Sandwiches • Entrées the whole family will love like Buttermilk Fried Chicken Tenders • Tasty treats for those casual get togethers like Buttery Cajun Popcorn and Sweet, Salty & Spicy Pecans • Go to sweets such as Toffee Almond Sandies and a Classic Chocolate Lover's Birthday Cake

Start developing robust drivers with expert guidance from the teams who developed Windows Driver Foundation. This comprehensive book gets you up to speed quickly and goes beyond the fundamentals to help you extend your Windows development skills. You get best practices, technical guidance, and extensive code samples to help you master the intricacies of the next-generation driver model—and simplify driver development. Discover how to: Use the Windows Driver Foundation to develop kernel-mode or user-mode drivers Create drivers that support Plug and Play and power management—with minimal code Implement robust I/O handling code Effectively manage synchronization and concurrency in driver code Develop user-mode drivers for protocol-based and serial-bus-based devices Use USB-specific features of the frameworks to quickly develop drivers for USB devices Design and implement kernel-mode drivers for DMA devices Evaluate your drivers with source code analysis and static verification tools Apply best practices to test, debug, and install drivers PLUS—Get driver code samples on the Web

Engineering Mathematics (Conventional and Objective Type) completely covers the subject of Engineering Mathematics for engineering students (as per AICTE) as well as engineering entrance exams such as GATE, IES, IAS and Engineering Services Exams. Though a first edition, the book is enriched by 50 years of Academics and professional experience of the Author(s) and the experience of more than 85 published books.

Practical Engineering Management of Offshore Oil and Gas Platforms delivers the first must-have content to the multiple engineering managers and clients devoted to the design, equipment, and operations of offshore oil and gas platforms. Concepts explaining how to interact with the various task forces, getting through bid proposals, and how to maintain project control are all

covered in the necessary training reference. Relevant equipment and rule of thumb techniques to calculate critical features on the design of the platform are also covered, including tank capacities and motor power, along with how to consistently change water, oil, and gas production profiles over the course of a project. The book helps offshore oil and gas operators and engineers gain practical understanding of the multiple disciplines involved in offshore oil and gas projects using experience-based approaches and lessons learned. Delivers the first ever must-have content to the multiple engineering managers and clients devoted to the design, equipment, and operations of offshore oil and gas platforms Contains rules of thumb techniques to calculate critical features on the design of the platform Includes practical checklists for project estimates and cost evaluation for effective project execution in budgeting and scheduling Helps offshore oil and gas operators and engineers gain practical understanding of the multiple disciplines involved in offshore oil and gas projects using experience-based approaches and lessons learned

This book is a great investment for those interested in developing camera related projects for the Arduino. These camera applications can involve security, surveillance, photography, toys, robots, and drones. Specifically, this book covers the Omnivision ov7670 digital camera and its use with the Arduino microcontroller. This book takes an interactive hands on approach and shows the reader in a step by step guide how to use the ov7670 with the Arduino and an SD card reader/writer to take photos, save them to an SD card, and then to convert them to an easily viewable format. This book will save you many hours or even weeks of frustration in trying to get this camera to work correctly. This book also gives you the basic background on the Arduino and digital cameras in general so that you will be able to develop camera projects for cameras other than the ov7670. Who this book is for: 1. Beginners to the Arduino interested in developing custom Arduino camera related projects that are suitable for photography, surveillance, security applications or for use with drones and robots. 2. High school and university students needing a quick start guide to using a low cost digital camera in their school projects. Key Selling Points: 1. Provides an interactive "hands on example" based beginner's quick start guide to using the extremely popular Omnivision ov7670 camera with the Arduino including using the undocumented features and incorrectly documented features that are necessary to get the camera to operate correctly. 2. Provides a good starting point for Arduino based camera applications as diverse as image processing, photography, surveillance, and home security with professional quality reusable code for the reader to use in his or her own projects. 3. Covers the FIFO version of the ov7670 which is the preferred camera version for most camera projects. Table of Contents: Chapter 1: Introducing the Omnivision OV7670 Camera A. What is the OV7670 Camera? B. Key Camera Terminology C. OV7670 Camera with AL422B FIFO Memory Overview D. Summary of Steps Needed for Taking a Photo Chapter 2: Introducing the Arduino A. What is an Arduino? B. The Arduino Mega 2560 C. Arduino Development System Requirements D. Arduino Software IDE E. Hands on Example: A simple Arduino "Hello World" program with an LED Chapter 3: Arduino Programming Language Basics A. C/C++ Language for Arduino Overview Chapter 4: Digital Design Review A. How Data is Stored in the ov7670 Camera B. Decimal Numbers (Base 10 Representation) C. Binary Numbers (Base 2 Representation) D. Hexadecimal Numbers (Base 16 Representation) E. Converting a Binary Number (Base 2) to a Hex Number (Base 16) F. Converting a Hexadecimal Number (Base

16) to a Binary Number (Base 2) G. Hands On Example: Setting Registers on the OV7670 Camera H. Boolean Variables, Logic and Truth Tables I. The Clock Pulse J. Reading Schematics K. Design Overview for the OV7670 Camera with FIFO Memory Chapter 5: Taking Photos with the Omnivision ov7670 Camera - Part 1 A. Overview of SD Card Storage for the Arduino B. Overview of Arduino's I2C Interface C. Hands on Example: Testing the I2C Interface with the OV7670 Camera D. Overview of the Omnivision ov7670 FIFO Camera Image Capture Software E. Overview of FFMPEG Chapter 6: Taking Photos with the Omnivision ov7670 Camera - Part 2 A. Hands on Example: Taking a picture with the camera, saving the picture to the SD card storage, and viewing the image on your computer. Appendix A: Camera Register Defines Appendix B: Image Capture Program Variables

More than 40 acknowledged experts provide insight into all countries of the region and offer scholarly examinations of the area's political, economic and social background. Separate chapters for every country provide details of geography, recent history and the economy.

Find any letter on the Cover by going to "Pretty Planners 2019-2020" on the top of the page. This Horizontal Planner lets you manage your daily To Do list and Water intake tracking for the whole week in the same spread so you can have your week at a glance with everything in the same place. Take a look inside to see this cute and practical weekly layout. Includes at-a-glance Monthly Pages that allows you to plan ahead every month. This Planner features a custom or personalized First or Last Name initial on the cover in a matte Rose Gold color, adorned with some beautiful watercolor pink florals over a Black and White striped background. Paperback Matte finish Cover (7.5" x 9.25") This cute little planner makes a great personalized Christmas gift for those friends or loved ones like Mom, Aunt, Daughter or Grandma that loves planning, organization and journals or planners. Perfect planner for students, girls, moms, teens, and teachers. Check out our Portfolio of 2019 Planners in different sizes by clicking on "Pretty Planners 2019-2020" at the top of this page.

Necrophilia Variations is a literary monograph on the erotic attraction to corpses and death. It consists of a series of texts that, like musical phrases, take up the theme and advance it by means of repetition, contrast, and variation. To love someone dead is merely nostalgia, but to make love with someone dead is necrophilia, and this book is about that. Although a work of fiction, Necrophilia Variations uses literary means to probe the psychopathology of sexual perversion. Eros, the book asks, is naturally drawn to beauty, and yet nothing would seem to be less inherently beautiful than a cadaver. How is it that a necrophile ends up confusing the two, or making the leap, such that he finds beauty in what most people would find repugnant? How does he come to desire that which would seem to be intrinsically undesirable? Written in a style that ranges from the lugubrious to the ludicrous — from purple prose to black humor —

Necrophilia Variations exhibits a world of depravity from the inside out. Each of its texts utilizes the first person — not because it is autobiographical but rather because it is personal, even intimate. Why intimate? Because that's how death is — near you, beside you, eventually inside you as well. It would be nice to say that that's how sex is too — intimate — but then it's no secret just how impersonal sex can be, especially when your lover is unconscious or worse. If you have ever contemplated the curious points of contact between eros and thanatos — if you have ever wondered why femmes fatales are alluring, or why sex can be made more exciting by games that simulate danger and pain, or why that bit of French slang that deems orgasm a "little death" seems so appropriate — then you may well enjoy this book.

Simplify intermittent fasting to create lasting weight loss and health benefits with this practical, easy-to-follow guide to fasting for women. Intermittent fasting is taking the world by storm with its health and weight loss benefits. But questions about whether delaying when you eat is safe has made some question its efficiency. But when done correctly, intermittent fasting can be an excellent, easy tool for women to lose weight and boost their metabolism in no time. Intermittent Fasting for Women includes information on the benefits of fasting, crescendo fasting, how to enhance your fast with the right foods, how to tell if fasting works for you, and how to get your body ready to reap the rewards from this simpler lifestyle. With over 25 sample meal plans with vegan, vegetarian, and keto options, you will always have the tips and tricks you need for success. Make the most of your fast and start living the healthier life you've always wanted today.

A Double Life traces the life and times of Alyque Padamsee, godfather of Indian advertising and patriarch of English theatre in India. Padamsee takes the reader backstage with him on an exciting, and sometimes hilarious, trip as he unfolds scenes from a career that has encompassed the launch of some of India's most successful brands, such as Liril and Kama Sutra, and blockbuster theatre productions like Evita and Jesus Christ Superstar.

This book explores how the Soviet Union, after capturing and annexing the German East Prussian city of Königsberg in 1945 and renaming it Kaliningrad, worked to transform the city into a model of Soviet modernity. It examines how the Soviets expelled all the remaining German people, repopulated the city and region with settlers from elsewhere in the Soviet Union, destroyed the key remaining German buildings and began building a model Soviet city, a physical manifestation of the societal transformation brought about by communism. However, the book goes on to show that over time many of the model Soviet buildings were uncompleted and that the citizens, aware of their Polish and Lithuanian neighbours to both the east and the west and appreciating their place in the wider Baltic region, came to view themselves as something different from other Soviet and Russian citizens. The book concludes by assessing present developments as the people of Kaliningrad are increasingly rediscovering the city's pre-Soviet past and forging a new identity for

themselves on their own terms.

The spiritual leaders of the Protestant Reformation influence our faith every day. Learn more about their world-changing thoughts, biblical foundations, and passion for God's grace in Captivating Grace. Scripture Alone, Faith Alone, Grace Alone, Christ Alone, and To the Glory of God Alone—these are the Five Solas and the basis for this beautiful collection of devotions. The writings within each theme are drawn from the books, sermons, and commentaries of the most influential figures of Reformed thinking, including Martin Luther, John Calvin, and Charles Spurgeon. Each entry in this daily devotional includes a Scripture and a short reading. Captivating Grace is a thoughtful gift for new Christians, seminary and college students, and anyone who wants a richer spiritual life, as well as newly ordained pastors and church leaders who need encouragement. With its classic design, Captivating Grace is also a wonderful keepsake for a personal library. Here you will find treasured insights from the greatest voices of Reformed theology bound together with God's unchanging Word.

This collection of literature attempts to compile many of the classic, timeless works that have stood the test of time and offer them at a reduced, affordable price, in an attractive volume so that everyone can enjoy them.

Beginning Arduino Ov7670 Camera Development>CreateSpace

Handbook of Offshore Oil and Gas Operations is an authoritative source providing extensive up-to-date coverage of the technology used in the exploration, drilling, production, and operations in an offshore setting. Offshore oil and gas activity is growing at an expansive rate and this must-have training guide covers the full spectrum including geology, types of platforms, exploration methods, production and enhanced recovery methods, pipelines, and environmental management and impact, specifically worldwide advances in study, control, and prevention of the industry's impact on the marine environment and its living resources. In addition, this book provides a go-to glossary for quick reference. Handbook of Offshore Oil and Gas Operations empowers oil and gas engineers and managers to understand and capture one of the fastest growing markets in the energy sector today. Quickly become familiar with the oil and gas offshore industry, including deepwater operations Understand the full spectrum of the business, including environmental impacts and future challenges Gain knowledge and exposure on critical standards and real-world case studies

Providing guidelines for designing visually and functionally consistent user interfaces for Windows programs, a well-organized book offers a program specification for Windows application developers who want to save training time, boost productivity, and promote user confidence. Original. (Intermediate).

Transmission Pipeline Calculations and Simulations Manual is a valuable time- and money-saving tool to quickly pinpoint the essential formulae, equations, and calculations needed for transmission pipeline routing and construction decisions.

The manual's three-part treatment starts with gas and petroleum data tables, followed by self-contained chapters concerning applications. Case studies at the end of each chapter provide practical experience for problem solving. Topics in this book include pressure and temperature profile of natural gas pipelines, how to size pipelines for specified flow rate and pressure limitations, and calculating the locations and HP of compressor stations and pumping stations on long distance pipelines. Case studies are based on the author's personal field experiences

Component to system level coverage
Save time and money designing pipe routes well
Design and verify piping systems before going to the field
Increase design accuracy and systems effectiveness

This book provides authoritative information on the theory behind the Macintosh 'look and feel' and the practice of using individual interface components. It includes many examples of good design and explains why one implementation is superior to another. Anyone designing or creating a product for Macintosh computers needs to understand the information in this book.

This book is Volume IV of the series DSP for MATLABTM and LabVIEWTM. Volume IV is an introductory treatment of LMS Adaptive Filtering and applications, and covers cost functions, performance surfaces, coefficient perturbation to estimate the gradient, the LMS algorithm, response of the LMS algorithm to narrow-band signals, and various topologies such as ANC (Active Noise Cancelling) or system modeling, Noise Cancellation, Interference Cancellation, Echo Cancellation (with single- and dual-H topologies), and Inverse Filtering/Deconvolution. The entire series consists of four volumes that collectively cover basic digital signal processing in a practical and accessible manner, but which nonetheless include all essential foundation mathematics. As the series title implies, the scripts here will run on both MATLABTM and LabVIEWTM. The text for all volumes contains many examples, and many useful computational scripts, augmented by demonstration scripts and LabVIEWTM Virtual Instruments (VIs) that can be run to illustrate various signal processing concepts graphically on the user's computer screen. Volume I consists of four chapters that collectively set forth a brief overview of the field of digital signal processing, useful signals and concepts (including convolution, recursion, difference equations, LTI systems, etc), conversion from the continuous to discrete domain and back (i.e., analog-to-digital and digital-to-analog conversion), aliasing, the Nyquist rate, normalized frequency, sample rate conversion and Mu-law compression, and signal processing principles including correlation, the correlation sequence, the Real DFT, correlation by convolution, matched filtering, simple FIR filters, and simple IIR filters. Chapter 4 of Volume I, in particular, provides an intuitive or "first principle" understanding of how digital filtering and frequency transforms work. Volume II provides detailed coverage of discrete frequency transforms, including a brief overview of common frequency transforms, both discrete and continuous, followed by detailed treatments of the Discrete Time Fourier Transform

(DTFT), the z-Transform (including definition and properties, the inverse z-transform, frequency response via z-transform, and alternate filter realization topologies including Direct Form, Direct Form Transposed, Cascade Form, Parallel Form, and Lattice Form), and the Discrete Fourier Transform (DFT) (including Discrete Fourier Series, the DFT-IDFT pair, DFT of common signals, bin width, sampling duration, and sample rate, the FFT, the Goertzel Algorithm, Linear, Periodic, and Circular convolution, DFT Leakage, and computation of the Inverse DFT). Volume III covers digital filter design, including the specific topics of FIR design via windowed-ideal-lowpass filter, FIR highpass, bandpass, and bandstop filter design from windowed-ideal lowpass filters, FIR design using the transition-band-optimized Frequency Sampling technique (implemented by Inverse-DFT or Cosine/Sine Summation Formulas), design of equiripple FIRs of all standard types including Hilbert Transformers and Differentiators via the Remez Exchange Algorithm, design of Butterworth, Chebyshev (Types I and II), and Elliptic analog prototype lowpass filters, conversion of analog lowpass prototype filters to highpass, bandpass, and bandstop filters, and conversion of analog filters to digital filters using the Impulse Invariance and Bilinear Transform techniques. Certain filter topologies specific to FIRs are also discussed, as are two simple FIR types, the Comb and Moving Average filters. Table of Contents: Introduction To LMS Adaptive Filtering / Applied Adaptive Filtering
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