

200monte Carlo Radio Harness Color Guide

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Flight Test System Identification - Roger Larsson 2019-05-15

With the demand for more advanced fighter aircraft, relying on unstable flight mechanical characteristics to gain flight performance, more focus has been put on model-based system engineering to help with the design work. The flight control system design is one important part that relies on this modeling. Therefore, it has become more important to develop flight mechanical models that are highly accurate in the whole flight envelope. For today's modern fighter aircraft, the basic flight mechanical characteristics change between linear and nonlinear as well as stable and unstable as an effect of the desired capability of advanced maneuvering at subsonic, transonic and supersonic speeds. This thesis combines the subject of system identification, which is the art of building mathematical models of dynamical systems based on measurements, with aeronautical engineering in order to find methods for identifying flight mechanical characteristics. Here, some challenging aeronautical identification problems, estimating model parameters from flight-testing, are treated. Two aspects are considered. The first is online identification during flight-testing with the intent to aid the engineers in the analysis process when looking at the flight mechanical characteristics. This will also ensure that enough information is available in the resulting test data for post-flight analysis. Here, a frequency domain method is used. An existing method has been developed further by including an Instrumental Variable approach to take care of noisy data including atmospheric turbulence and by a sensor-fusion step to handle varying excitation during an experiment. The method treats linear systems that can be both stable and unstable working under feedback control. An experiment has been performed on a radio-controlled demonstrator aircraft. For this, multisine input signals have been designed and the results show that it is possible to perform more time-efficient flight-testing compared with standard input signals. The other aspect is post-flight identification of nonlinear characteristics. Here the properties of a parameterized observer approach, using a prediction-error method, are investigated. This approach is compared with four other methods for some test cases. It is shown that this parameterized observer approach is the most robust one with respect to noise disturbances and initial offsets. Another attractive property is that no user parameters have to be tuned by the engineers in order to get the best performance. All methods in this thesis have been validated on simulated data where the system is known, and have also been tested on real flight test data. Both of the investigated approaches show promising results.

When God Goes to Starbucks - Paul Copan 2008-08-01

More than ever, Christians are bombarded with tough faith questions from their pluralistic friends and neighbors. Many of these emerge as "anti-truth claims" and slogans we are all familiar with: • Why not just look out for yourself? • Do what you want--just as long as you don't hurt anyone • Miracles violate the laws of nature • Aren't people born gay? Paul Copan has been answering questions like these for many years. In *When God Goes to Starbucks*, he offers readers solid and caring Christian responses to these and many other concerns that are being discussed in Starbucks, shopping malls, youth groups, and schools. Each chapter provides succinct answers and points for countering the cultural questions believers are faced with today.

Confessions: The Private School Murders - FREE PREVIEW (The First 15 Chapters) - James Patterson 2013-09-03

In the sequel to the #1 New York Times bestseller *Confessions of a Murder Suspect*, James Patterson keeps the confessions coming breathlessly as Tandy Angel delves deeper into her own tumultuous history-and proves that she can rise above the sordid Angel legacy. Wealthy young women are being murdered on Manhattan's exclusive Upper West Side, and the police aren't looking for answers in the right places. Enter Tandy Angel. The first case she cracked was the mystery of her parents' deaths. Now, while she's working to exonerate her brother

of his glamorous girlfriend's homicide, she's driven to get involved in the West Side murder spree. One of the recent victims was a student at Tandy's own elite school. She has a hunch it may be the work of a serial killer, but the NYPD isn't listening to her...and Tandy can't ignore the disturbing fact that she perfectly fits the profile of the killer's targets. Can she untangle the mysteries in time? Or will she be the next victim?

Roman Architecture - Diana E. E. Kleiner 2014-01-14

At its most expansive, the Roman Empire stretched from the British Isles to Egypt; Rome was the ancient world's greatest superpower. *Roman Architecture: A Visual Guide* is an illustrated introduction to the great buildings and engineering marvels of Rome and its empire. Published as a companion volume to Diana E. E. Kleiner's course on Roman Architecture given through Coursera (first offered in January 2014 but based on a class she has long taught at Yale), this enhanced e-book explores not only Rome but also buildings preserved at Pompeii, Herculaneum, Ostia, Tivoli, North Italy, Sicily, France, Spain, Germany, Greece, Turkey, Croatia, Jordan, Lebanon, and North Africa. Beginning with the birth of Rome as an Iron Age village, *Roman Architecture* traces the growth and expansion of the Roman Empire through its cities, which featured civic, religious, commercial, entertainment, and residential districts in the urban setting. A valuable resource for both the student and the traveler, *Roman Architecture* features over 250 photographs and site plans of the most intriguing and consequential buildings in the Roman Empire. These are presented from the fresh perspective of an author who has journeyed to nearly all of the sites, revealing most of them through her own digital images. In addition, this interactive e-book makes learning about these monuments easier than ever, with handy maps and geolocation links that show you just where the monuments are and, if you're traveling, how to get there. Suitable for the classroom and as a guidebook, *Roman Architecture* is a fascinating introduction to some of history's most compelling and influential architecture.

Encyclopaedia of Medical Physics - Slavik Tabakov 2020-07-16

Co-published by the European Medical Imaging Technology e-Encyclopaedia for Lifelong Learning (EMITEL) consortium and supported by the International Organization for Medical Physics (IOMP), *Encyclopaedia of Medical Physics* contains nearly 2,800 cross-referenced entries relating to medical physics and associated technologies. Split into two convenie

Physics of the Body - JOHN R. SKOFRONICK CAMERON (JAMES G. GRANT, RODERICK M.) 2017-11-30

Physics of the Body provides a wealth of information on the relationship between physics and the functions of the various systems of the body, such as the eyes, ears, lungs, and heart. The authors' enthusiasm and good humor have delighted readers for years. Although it was written primarily as a text for students who have some knowledge of elementary physics, the book is interesting and understandable to any person who is curious about how the body works. This book is intended primarily for students who plan to make a career in some field of medicine. The mathematics is at the algebra level. Various problems are included to test the reader's understanding of the concepts presented. This revised edition features an updated page layout and sharpened images.

Applied Functional Data Analysis - J.O. Ramsay 2007-11-23

This book contains the ideas of functional data analysis by a number of case studies. The case studies are accessible to research workers in a wide range of disciplines. Every reader should gain not only a specific understanding of the methods of functional data analysis, but more importantly a general insight into the underlying patterns of thought. There is an associated web site with MATLABr and S?PLUSr implementations of the methods discussed.

Robust Statistics - Ricardo A. Maronna 2019-01-04

A new edition of this popular text on robust statistics, thoroughly updated to include new and improved methods and focus on

implementation of methodology using the increasingly popular open-source software R. Classical statistics fail to cope well with outliers associated with deviations from standard distributions. Robust statistical methods take into account these deviations when estimating the parameters of parametric models, thus increasing the reliability of fitted models and associated inference. This new, second edition of *Robust Statistics: Theory and Methods (with R)* presents a broad coverage of the theory of robust statistics that is integrated with computing methods and applications. Updated to include important new research results of the last decade and focus on the use of the popular software package R, it features in-depth coverage of the key methodology, including regression, multivariate analysis, and time series modeling. The book is illustrated throughout by a range of examples and applications that are supported by a companion website featuring data sets and R code that allow the reader to reproduce the examples given in the book. Unlike other books on the market, *Robust Statistics: Theory and Methods (with R)* offers the most comprehensive, definitive, and up-to-date treatment of the subject. It features chapters on estimating location and scale; measuring robustness; linear regression with fixed and with random predictors; multivariate analysis; generalized linear models; time series; numerical algorithms; and asymptotic theory of M-estimates. Explains both the use and theoretical justification of robust methods Guides readers in selecting and using the most appropriate robust methods for their problems Features computational algorithms for the core methods Robust statistics research results of the last decade included in this 2nd edition include: fast deterministic robust regression, finite-sample robustness, robust regularized regression, robust location and scatter estimation with missing data, robust estimation with independent outliers in variables, and robust mixed linear models. *Robust Statistics* aims to stimulate the use of robust methods as a powerful tool to increase the reliability and accuracy of statistical modelling and data analysis. It is an ideal resource for researchers, practitioners, and graduate students in statistics, engineering, computer science, and physical and social sciences.

[Data Just Right](#) - Michael Manoochehri 2013

Presents an introduction to data analytics, describing the management of multi-terabyte datasets, such query tools as Hadoop, Hive, and Google BigQuery, the use of R to perform statistical analysis, and advanced data visualization tools.

The Role of Technology in Water Resources Planning and Management - Elizabeth M. Perez 2009

Technology plays a vital role in influencing sound decisions regarding water resources. The mission of this book is to show the impact technology has had on water resource planning and management historically, and into the future. This study provides: The range of technologies applicable to water resource planning, management, and policy making The research and analysis of new technologies such as adaptive management, shared vision modeling, and geographic information systems A foundation for research into similar disciplines Selected case studies cover a variety of settings, materials, and insights into new technological approaches. This publication is a valuable resource for students, engineers, practitioners, and educators.

Wind-tunnel Investigation of a Number of Total-pressure Tubes at High Angles of Attack - A. Gerald Rainey 1957

Making Sense of Data II - Glenn J. Myatt 2009-03-04

A hands-on guide to making valuable decisions from data using advanced data mining methods and techniques This second installment in the *Making Sense of Data* series continues to explore a diverse range of commonly used approaches to making and communicating decisions from data. Delving into more technical topics, this book equips readers with advanced data mining methods that are needed to successfully translate raw data into smart decisions across various fields of research including business, engineering, finance, and the social sciences. Following a comprehensive introduction that details how to define a problem, perform an analysis, and deploy the results, *Making Sense of Data II* addresses the following key techniques for advanced data analysis: Data Visualization reviews principles and methods for understanding and communicating data through the use of visualization including single variables, the relationship between two or more variables, groupings in data, and dynamic approaches to interacting with data through graphical user interfaces. Clustering outlines common approaches to clustering data sets and provides detailed explanations of methods for determining the distance between observations and procedures for clustering observations. Agglomerative hierarchical

clustering, partitioned-based clustering, and fuzzy clustering are also discussed. *Predictive Analytics* presents a discussion on how to build and assess models, along with a series of predictive analytics that can be used in a variety of situations including principal component analysis, multiple linear regression, discriminate analysis, logistic regression, and Naïve Bayes. *Applications* demonstrates the current uses of data mining across a wide range of industries and features case studies that illustrate the related applications in real-world scenarios. Each method is discussed within the context of a data mining process including defining the problem and deploying the results, and readers are provided with guidance on when and how each method should be used. The related Web site for the series (www.makingsenseofdata.com) provides a hands-on data analysis and data mining experience. Readers wishing to gain more practical experience will benefit from the tutorial section of the book in conjunction with the Traceis™ software, which is freely available online. With its comprehensive collection of advanced data mining methods coupled with tutorials for applications in a range of fields, *Making Sense of Data II* is an indispensable book for courses on data analysis and data mining at the upper-undergraduate and graduate levels. It also serves as a valuable reference for researchers and professionals who are interested in learning how to accomplish effective decision making from data and understanding if data analysis and data mining methods could help their organization.

[Tomosynthesis Imaging](#) - Ingrid Reiser 2016-04-19

An innovative, three-dimensional x-ray imaging technique that enhances projection radiography by adding depth resolution, Tomosynthesis Imaging explores tomosynthesis, an emerging limited-angle tomographic imaging technology that is being considered for use in a range of clinical applications, and is currently being used for breast cancer screening and diagnosis. While conventional mammography has been very successful in reducing breast cancer mortality, it is not perfect. A major limitation of mammography is that the recorded image represents the superposition of complex three-dimensional structures in the breast onto a two-dimensional plane, making detection and diagnosis of breast cancer challenging. Tomosynthesis produces quasi-three-dimensional images that can significantly enhance the visualization of important diagnostic features. This book highlights the flexibility of tomosynthesis systems for new clinical applications, and provides a detailed discussion of the tomosynthesis acquisition process and the impact of physical factors. It explores such topics as acquisition parameters, system components, modeling, image reconstruction algorithms, and system evaluation. Provides in-depth coverage of system design considerations, as well as image reconstruction strategies Describes the current state of clinical applications of tomosynthesis, including imaging of the breast and chest, as well as its use in radiotherapy Illustrates the merits of tomosynthesis imaging and its potential clinical applications in imaging of the breast and chest, as well as for radiation therapy Divided into five sections, this text delves into the history and development of tomosynthesis. It introduces tomosynthesis imaging, discusses imaging system design considerations, and reviews image reconstruction algorithms that have been developed for tomosynthesis. It also describes system evaluation methodologies, emphasizes current clinical applications, and examines the future direction for tomosynthesis.

Guidelines on Dam Safety Management - 1994

[Nonparametric Functional Data Analysis](#) - Frédéric Ferraty 2006-11-22

Modern apparatuses allow us to collect samples of functional data, mainly curves but also images. On the other hand, nonparametric statistics produces useful tools for standard data exploration. This book links these two fields of modern statistics by explaining how functional data can be studied through parameter-free statistical ideas. At the same time it shows how functional data can be studied through parameter-free statistical ideas, and offers an original presentation of new nonparametric statistical methods for functional data analysis.

MATLAB Guide to Finite Elements - Peter I. Kattan 2013-04-17

This book explores numerical implementation of Finite Element Analysis using MATLAB. Stressing interactive use of MATLAB, it provides examples and exercises from mechanical, civil and aerospace engineering as well as materials science. The text includes a short MATLAB tutorial. An extensive solutions manual offers detailed solutions to all problems in the book for classroom use. The second edition includes a new brick (solid) element with eight nodes and a one-dimensional fluid flow element. Also added is a review of applications of finite elements in fluid flow, heat transfer, structural dynamics and electro-magnetics. The accompanying CD-ROM presents more than fifty

MATLAB functions.

Magnetism - Adele Richardson 2006

"Introduces magnetism and the creation, forces, and applications of magnets"--Provided by publisher.

Swarm Intelligence - Eric Bonabeau 1999-09-23

Social insects--ants, bees, termites, and wasps--can be viewed as powerful problem-solving systems with sophisticated collective intelligence. Composed of simple interacting agents, this intelligence lies in the networks of interactions among individuals and between individuals and the environment. A fascinating subject, social insects are also a powerful metaphor for artificial intelligence, and the problems they solve--finding food, dividing labor among nestmates, building nests, responding to external challenges--have important counterparts in engineering and computer science. This book provides a detailed look at models of social insect behavior and how to apply these models in the design of complex systems. The book shows how these models replace an emphasis on control, preprogramming, and centralization with designs featuring autonomy, emergence, and distributed functioning. These designs are proving immensely flexible and robust, able to adapt quickly to changing environments and to continue functioning even when individual elements fail. In particular, these designs are an exciting approach to the tremendous growth of complexity in software and information. Swarm Intelligence draws on up-to-date research from biology, neuroscience, artificial intelligence, robotics, operations research, and computer graphics, and each chapter is organized around a particular biological example, which is then used to develop an algorithm, a multiagent system, or a group of robots. The book will be an invaluable resource for a broad range of disciplines.

RFID Technology and Applications - Stephen B. Miles 2011-04-14

Are you an engineer or manager working on the development and implementation of RFID technology? If so, this book is for you. Covering both passive and active RFID systems, the challenges to RFID implementation are addressed using specific industry research examples and common integration issues. Key topics include RF tag performance optimization, evaluation methodologies for RFID and Real-Time-Location Systems (RTLS) and sensors, EPC network simulation, RFID in the retail supply chain, and applications in product lifecycle management, anti-counterfeiting and cold chain management. The book brings together insights from the world's leading research laboratories in the field, including the Auto-ID Labs at MIT, successor to the Auto-ID Center which developed the Electronic Product Code scheme which is set to become the global standard for product identification. MIT Auto-ID Labs's suite of Open Source code and tools for RFID implementation is available at www.cambridge.org/9780521880930.

Nursetest - Springhouse Publishing Company Staff 2004-12-01

Swarm Intelligent Systems - Nadia Nedjah 2006-06-27

Systems designers have learned that many agents co-operating within the system can solve very complex problems with a minimal design effort. In general, multi-agent systems that use swarm intelligence are said to be swarm intelligent systems. Today, these are mostly used as search engines and optimization tools. This volume reviews innovative methodologies of swarm intelligence, outlines the foundations of engineering swarm intelligent systems and applications, and relates experiences using the particle swarm optimisation.

Everyday Economics - Lawrence H. Officer 2009-05-12

From how the current crisis happened to the role of banks to how money works, this book addresses complex ideas in an easy to understand Q&A format with lively prose. With examples throughout from personal finance issues such as how to negotiate the best price for a car, and should you buy a warranty for a new computer, to big picture questions that affect our national and global economy such as: What is deflation and inflation? How does monetary policy really work? How does a corporation actually go bankrupt?

Applications of Swarm Intelligence - Louis P. Walters 2010-10-01

Swarm Intelligence (SI) describes the evolving collective intelligence of population/groups of autonomous agents with a low level of intelligence. The population of agents interacts with each other or their environment locally using decentralised and self-organisational aspects in their decision making. SI and related sub-methods that follow its principles are used for problem solving in a variety of areas, such as robotics and forecasting. This book discusses swarm intelligence techniques and fuzzy logic as useful tools for solving practical engineering problems and the utilisation of a swarm intelligence algorithm to obtain the optimum neural network structure. Also explored is the application of Particle

Swarm Optimization (PSO) methods to inverse heat radiation problems and PSO as a technique in computational electromagnetism problems.

A First Course in Multivariate Statistics - Bernard Flury 2013-03-09

A comprehensive and self-contained introduction to the field, carefully balancing mathematical theory and practical applications. It starts at an elementary level, developing concepts of multivariate distributions from first principles. After a chapter on the multivariate normal distribution reviewing the classical parametric theory, methods of estimation are explored using the plug-in principles as well as maximum likelihood. Two chapters on discrimination and classification, including logistic regression, form the core of the book, followed by methods of testing hypotheses developed from heuristic principles, likelihood ratio tests and permutation tests. Finally, the powerful self-consistency principle is used to introduce principal components as a method of approximation, rounded off by a chapter on finite mixture analysis.

XNA 4 3D Game Development by Example - Kurt Jaegers 2012-09-25

Create action-packed 3D games with the Microsoft XNA Framework.

Multi-Carrier Techniques for Broadband Wireless Communications -

Man-On Pun 2007

Multi-Carrier Techniques for Broadband Wireless Communications provides an accessible introduction to OFDM-based systems from a signal processing perspective. The first part presents a concise treatment of some fundamental concepts related to wireless communications and multicarrier systems, while the second offers a comprehensive survey of recent developments on a variety of critical design issues. These include synchronization techniques, channel estimation methods, adaptive resource allocation and practical schemes for reducing the peak-to-average power ratio of the transmitted waveform.

High-Dimensional Covariance Estimation - Mohsen Pourahmadi

2013-06-24

Methods for estimating sparse and large covariance matrices Covariance and correlation matrices play fundamental roles in every aspect of the analysis of multivariate data collected from a variety of fields including business and economics, health care, engineering, and environmental and physical sciences. High-Dimensional Covariance Estimation provides accessible and comprehensive coverage of the classical and modern approaches for estimating covariance matrices as well as their applications to the rapidly developing areas lying at the intersection of statistics and machine learning. Recently, the classical sample covariance methodologies have been modified and improved upon to meet the needs of statisticians and researchers dealing with large correlated datasets. High-Dimensional Covariance Estimation focuses on the methodologies based on shrinkage, thresholding, and penalized likelihood with applications to Gaussian graphical models, prediction, and mean-variance portfolio management. The book relies heavily on regression-based ideas and interpretations to connect and unify many existing methods and algorithms for the task. High-Dimensional Covariance Estimation features chapters on: Data, Sparsity, and Regularization Regularizing the Eigenstructure Banding, Tapering, and Thresholding Covariance Matrices Sparse Gaussian Graphical Models Multivariate Regression The book is an ideal resource for researchers in statistics, mathematics, business and economics, computer sciences, and engineering, as well as a useful text or supplement for graduate-level courses in multivariate analysis, covariance estimation, statistical learning, and high-dimensional data analysis.

Ant Colony Optimization and Swarm Intelligence - Marco Dorigo

2006-08-29

This book constitutes the refereed proceedings of the 5th International Workshop on Ant Colony Optimization and Swarm Intelligence, ANTS 2006, held in Brussels, Belgium, in September 2006. The 27 revised full papers, 23 revised short papers, and 12 extended abstracts presented were carefully reviewed and selected from 115 submissions.

Flight Vehicle System Identification - R. Jategaonkar 2006

This valuable volume offers a systematic approach to flight vehicle system identification and exhaustively covers the time domain methodology. It addresses in detail the theoretical and practical aspects of various parameter estimation methods, including those in the stochastic framework and focusing on nonlinear models, cost functions, optimization methods, and residual analysis. A pragmatic and balanced account of pros and cons in each case is provided. The book also presents data gathering and model validation, and covers both large-scale systems and high-fidelity modeling. Real world problems dealing with a variety of flight vehicle applications are addressed and solutions are provided. Examples encompass such problems as estimation of aerodynamics, stability, and control derivatives from flight data, flight

path reconstruction, nonlinearities in control surface effectiveness, stall hysteresis, unstable aircraft, and other critical considerations.

When the School Horse was King : a Tribute to Faithful Friends and Companions - John C. Charyk 1988-06

Pwc 2003 - Philadelphia Writers Conference Staff 2004-04

Galaxies at High Redshift - I. Pérez-Fournon 2003-03-20

Lectures of the XI Canary Islands Winter School of Astrophysics.

Advances in PET - Jun Zhang 2020-05-11

This book is a guide to new and emerging PET technology, instrumentation, and its place in clinical practice. PET technology is currently moving from the conventional photomultiplier tube (PMT) detector based PET to the new generation, solid state light sensor detector. This is a technological leap and holds significant implications for the use of PET imaging. This book introduces and describes the emerging and new generation of PET instrumentations and technologies across manufactures, focusing on solid-state PET detector designs, system characteristics, and clinical practices as well as future advanced Time-of-Flight (TOF) PET technologies. Organized into three sections, the basics of PET imaging; solid state digital PET instrumentation, technology, and clinical practice; and a look to the future of PET imaging, chapters present a full picture of PET imaging, where we are and where we will be. Nuclear medicine physicians, physicists, and technologists can use this book to better understand future PET systems, novel PET technologies, and potential game changes of clinical PET practice.

Problems and Solutions in Medical Physics - Kwan Hoong Ng 2019-04-02

The second in a three-volume set exploring Problems and Solutions in Medical Physics, this volume explores common questions and their solutions in Nuclear Medicine. This invaluable study guide should be used in conjunction with other key textbooks in the field to provide additional learning opportunities. Topics include radioactivity and nuclear transformation, radionuclide production and radiopharmaceuticals, non-imaging detectors and counters, instrumentation for gamma imaging, SPECT and PET/CT, imaging techniques, radionuclide therapy, internal radiation dosimetry, and quality control and radiation protection in nuclear medicine. Each chapter provides examples, notes, and references for further reading to enhance understanding. Features: Consolidates concepts and assists in the understanding and applications of theoretical concepts in medical physics Assists lecturers and instructors in setting assignments and tests Suitable as a revision tool for postgraduate students sitting medical physics, oncology, and radiology sciences examinations

wireless java programming for enterprise applications -

Medical Equipment Management - Keith Willson 2013-12-07

Know What to Expect When Managing Medical Equipment and Healthcare Technology in Your Organization As medical technology in clinical care becomes more complex, clinical professionals and support staff must know how to keep patients safe and equipment working in the clinical environment. Accessible to all healthcare professionals and managers, Medical Equipment Management presents an integrated approach to managing medical equipment in healthcare organizations. The book explains the underlying principles and requirements and raises awareness of what needs to be done and what questions to ask. It also provides practical advice and refers readers to appropriate legislation and guidelines. Starting from the medical equipment lifecycle, the book takes a risk-based approach to improving the way in which medical

devices are acquired and managed in a clinical context. Drawing on their extensive managerial and teaching experiences, the authors explain how organizational structures and policies are set up, how funding is allocated, how people and equipment are supported, and what to do when things go wrong.

Visual Basic 2008 - Paul J. Deitel 2009

Created by world-renowned programming instructors Paul and Harvey Deitel, Visual Basic 2008 How to Program, Fourth Edition introduces all facets of the Visual Basic 2008 language hands-on, through hundreds of working programs. This book has been thoroughly updated to reflect the major innovations Microsoft has incorporated in Visual Basic 2008 and .NET 3.5; all discussions and sample code have been carefully audited against the newest Visual Basic language specification. The many new platform features covered in depth in this edition include: LINQ data queries, Windows Presentation Foundation (WPF), ASP.NET Ajax and the Microsoft Ajax Library, Silverlight-based rich Internet application development, and creating Web services with Windows Communication Foundation (WCF). New language features introduced in this edition: object anonymous types, object initializers, implicitly typed local variables and arrays, delegates, lambda expressions, and extension methods. A series of appendices provide essential programming reference material on topics ranging from number systems to the Visual Studio Debugger, UML 2 to Unicode and ASCII. AUDIENCE: Appropriate for anyone interested in learning programming with Visual Basic 2008.

Manual of Inpatient Psychiatry - Michael I. Casher 2020-03-26

Inpatient units treat some of the most clinically challenging psychiatric patients. Clinicians must carefully balance patients' rights with safety concerns of violence and suicide. This updated manual is compact and practical, addressing the common questions and issues clinicians face in day-to-day practice. Chapters are organized around the diagnoses found on inpatient psychiatric units, allowing readers to find their area of interest quickly. A user-friendly question and answer format anticipates commonly asked questions, and tables provide easily accessible information, including diagnostic criteria and medication effects. Incorporating advances in the field over the past decade, chapters review new treatments including ketamine use and chronotherapy, as well as the most recent evidence-based approaches for patients with borderline personality disorder. Drawing on the authors' wealth of experience, their recommendations for best practice and their treatment philosophies will be valuable for all healthcare professionals working in mental health.

Fox-Body Mustang Recognition Guide 1979-1993 - Peter C. Sessler 2003-01-01

The Fox-Body Mustang Recognition Guide 1979-1993 focuses on the "Third Generation" Mustangs built on the popular "fox" platform for 15 straight years. This publication is the second in the authors' series of enthusiast publications dealing with preservation of the "Factory Correct" pony car. It is a year-by-year, model-by-model, option-by-option catalog of all Mustangs from 1979-1993, as built at the San Jose and Dearborn assembly plants.

Cognitive Radar - J. R. Guerri 2010

Chronicling the new field of cognitive radar (CR), this cutting-edge resource provides an accessible introduction to the theory and applications of CR, and presents a comprehensive overview of the latest developments in this emerging area. The first book on the subject, Cognitive Radar covers important breakthroughs in advanced radar systems, and offers new and powerful methods for combating difficult clutter environments. You find details on specific algorithmic and real-time high-performance embedded computing (HPEC) architectures. This practical book is supported with numerous examples that clarify key topics, and includes more than 370 equations.