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MATLAB Simulations for
Radar Systems Design

Springer Science &
Business Media

Describes how to structure
and build an automated
testing regime that will
give lasting benefits in the
use of test execution tools
to automate testing on a

medium to large scale. Offers practical advice for selecting the right tool and for implementing automated testing practices within an organization, and presents an extensive collection of case studies and guest chapters reflecting both good and bad experiences in test automation. Useful for recent purchasers of test automation tools, technical managers, vendors, and consultants. The authors are consultant partners in a company that provides consultancy and training in software testing and test automation.

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Publications From Natural to Artificial Intelligence Intelligent Computing Theories and Application

The method and plan of this dictionary of Jamaican English are basically the

same as those of the Oxford English Dictionary, but oral sources have been extensively tapped in addition to detailed coverage of literature published in or about Jamaica since 1655. It contains information about the Caribbean and its dialects, and about Creole languages and general linguistic processes. Entries give the pronunciation, part-of-speech and usage of labels, spelling variants, etymologies and dated citations, as well as definitions. Systematic indexing indicates the extent to which the lexis is shared with other Caribbean countries.

Modern Receiver

Front-Ends John

Wiley & Sons

Picture of life in a Missouri town and the adventures of an

amateur detective.

Kernel Methods for Pattern Analysis Morgan Kaufmann

The field of

"microelectromechanical systems," or "MEMS," has gradually evolved from a "discipline" populated by a small group of researchers to an "enabling technology" supporting a variety of products in such diverse areas as mechanical and inertial sensors, optical projection displays, telecommunications equipment, and biology and medicine.

Critical to the success of these products is the ability to design them, and this invariably involves detailed modeling of proposed designs. Over the past twenty years, such modeling has become increasingly sophisticated, with full suites of MEMS-oriented computer-aided-design tools now available worldwide. But there is another equally important side to the design process. In my own book, *Microsystem* figuring out what to build in the first place. Design, I chose to emphasize the modeling

aspect of design. The task of figuring out what to build was defined by a vague step called "creative thinking." I used practical product examples to illustrate the many subtle characteristics of successful designs, but I made no attempt to systematize the generation of design proposals or optimized designs. That systemization is called "synthesis," which is the subject of this book.

Equilibrium Statistical Physics Walter de Gruyter GmbH & Co KG

In this analytical work, the lexical relationships between Arabic, based on the Qur'anic register, and Akkadian, Ugaritic, Aramaic, Syriac, Hebrew, Phoenician Epigraphic, South Arabian and Ge'ez are established. Its aim is to assess the various degrees of cultural proximity between these Semitic languages.

Effective STL University of West Indies Press

The theme for the 2019 conference is Novel

Computing Architectures. Papers will include discussions on the advent of Artificial Intelligence and the promise of quantum computing that are driving disruptive computing architectures; Neuromorphic chip designs on one hand, and Quantum Bits on the other, still in R&D, will introduce new computing circuitry and memory elements, novel materials, and different test methodologies. These novel computing architectures will require further innovation which is best achieved through a collaborative Failure Analysis community composed of chip manufacturers, tool vendors, and universities. **Ajax in Action** Springer Science & Business

Media
Publisher Description
[Optimal Synthesis Methods for MEMS](#)
"O'Reilly Media, Inc."
A guide to broadband microstrip antennas, offering information to help you choose and design the optimum broadband microstrip antenna configurations for your applications, without sacrificing other antenna parameters. The text shows you how to take advantage of the light-weight, low volume benefits of these antennas, by providing explanations of the various configurations and simple design equations that help you analyze and design microstrip antennas with speed and confidence. This practical resource

presents an understanding of the radiation mechanism and characteristics of microstrip antennas, and provides guidance on designing new types of planar monopole antennas with multi-octave bandwidth. The authors explore how to select and design proper broadband microstrip antenna configurations for compact, tunable, dual-band and circular polarization applications. Moreover, the work compares all the broadband techniques and suggests the most attractive configuration. Intelligent Computing Theories and Application CRC Press

Simulation is integral to the successful design of modern radar systems, and

there is arguably no better software for this purpose than MATLAB. But software and the ability to use it does not guarantee success. One must also: Understand radar operations and design philosophy Know how to select the radar parameters to meet the design req

Pudd'nhead Wilson and Those Extraordinary Twins
John Wiley & Sons

This book constitutes the refereed proceedings of the 5th International Conference on Convergence and Hybrid Information Technology, ICHIT 2011, held in Daejeon, Korea, in September 2011. The 94 revised full papers were carefully selected from 323 initial submissions. The papers are organized in topical sections on communications and networking, intelligent systems and applications, sensor network and cloud systems, information retrieval and scheduling, hardware and software engineering, security

systems, robotics and RFID Systems, pattern recognition, image processing and clustering, data mining, as well as human computer interaction.

The Transform and Data Compression Handbook
MIT Press

A comprehensive reference for the many different types and methods of compression, including a detailed and helpful taxonomy, an analysis of the most common methods, and discussions on their use and comparative benefits. The presentation is organized into the main branches of the field: run length encoding, statistical methods, dictionary-based methods, image compression, audio compression, and video compression. Detailed

descriptions and explanations of the most well-known and frequently used methods are covered in a self-contained fashion, with an accessible style and technical level for specialists and nonspecialists. In short, the book provides an invaluable reference and guide for all computer scientists, computer engineers, electrical engineers, signal/image processing engineers and other scientists needing a comprehensive compilation for a broad range of compression methods.

Dictionary of Jamaican English CRC Press

Covering pattern classification methods, Combining Classifiers: Ideas and Methods focuses

on the important and widely studied issue of how to combine several classifiers together in order to achieve improved recognition performance. It is one of the first books to provide unified, coherent, and expansive coverage of the topic and as such will be welcomed by those involved in the area. With case studies that bring the text alive and demonstrate 'real-world' applications it is destined to become essential reading.

Operating Systems and Middleware John Wiley & Sons

Provides information on using Ajax in building Web applications.

Data Compression New York : Harper

"This book provides a working guide to the C++ Open Source Computer Vision Library (OpenCV) version 3.x and gives a general

background on the field of computer vision sufficient to help readers use OpenCV effectively."--Preface.

A Comparative Lexical Study of Qur'anic Arabic
Pearson Education

The use of MATLAB is ubiquitous in the scientific and engineering communities today, and justifiably so. Simple programming, rich graphic facilities, built-in functions, and extensive toolboxes offer users the power and flexibility they need to solve the complex analytical problems inherent in modern technologies. The ability to use MATLAB effectively has become practically a prerequisite to success for engineering professionals. Like its best-selling predecessor, *Electronics and Circuit Analysis Using MATLAB, Second Edition* helps build that proficiency. It provides

an easy, practical introduction to MATLAB and clearly demonstrates its use in solving a wide range of electronics and circuit analysis problems. This edition reflects recent MATLAB enhancements, includes new material, and provides even more examples and exercises. New in the Second Edition: Thorough revisions to the first three chapters that incorporate additional MATLAB functions and bring the material up to date with recent changes to MATLAB A new chapter on electronic data analysis Many more exercises and solved examples New sections added to the chapters on two-port networks, Fourier analysis, and semiconductor physics MATLAB m-files available for download Whether you are a student or professional engineer or

technician, *Electronics and Circuit Analysis Using MATLAB, Second Edition* will serve you well. It offers not only an outstanding introduction to MATLAB, but also forms a guide to using MATLAB for your specific purposes: to explore the characteristics of semiconductor devices and to design and analyze electrical and electronic circuits and systems. *Advances in Non-Linear Modeling for Speech Processing* Cambridge University Press New technologies have enabled us to collect massive amounts of data in many fields. However, our pace of discovering useful information and knowledge from these data falls far behind our pace of collecting the data. *Data Mining: Theories, Algorithms, and*

Examples introduces and explains a comprehensive set of data mining algorithms from various dat

BRILL

This volume is the first of its kind to provide a detailed, comprehensive treatment of the genealogical subgrouping of Semitic. Starting with the traditional, morphologic approach and then shifting to the pertinent lexical evidence, it covers key topics in the Semitic subgrouping debate, including the East/West dichotomy, the Central Semitic hypothesis, the Canaanite affiliation of Ugaritic, and the linguistic specificity of Modern South Arabia.

Advanced VLSI Design and Testability Issues CRC Press

Designers of high-speed integrated circuits face a bewildering array of choices and too often spend frustrating days tweaking

gates to meet speed targets.

Logical Effort: Designing Fast CMOS Circuits makes high speed design easier and more methodical, providing a simple and broadly applicable method for estimating the delay resulting from factors such as topology, capacitance, and gate sizes. The brainchild of circuit and computer graphics pioneers Ivan Sutherland and Bob Sproull, "logical effort" will change the way you approach design challenges. This book begins by equipping you with a sound understanding of the method's essential procedures and concepts-so you can start using it immediately. Later chapters explore the theory and finer points of the method and detail its specialized applications. Features Explains the method and how to apply it in two

practically focused chapters. Improves circuit design intuition by teaching simple ways to discern the consequences of topology and gate size decisions. Offers easy ways to choose the fastest circuit from among an array of potential circuit designs. Reduces the time spent on tweaking and simulations-so you can rapidly settle on a good design. Offers in-depth coverage of specialized areas of application for logical effort: skewed or unbalanced gates, other circuit families (including pseudo-NMOS and domino), wide structures such as decoders, and irregularly forking circuits. Presents a complete derivation of the method-so you see how and why it works.

MIMO-OFDM Wireless Communications with MATLAB Springer

Science & Business Media

This book focuses on heat and mass transfer, fluid flow, chemical reaction, and other related processes that occur in engineering equipment, the natural environment, and living organisms. Using simple algebra and elementary calculus, the author develops numerical methods for predicting these processes mainly based on physical considerations. Through this approach, readers will develop a deeper understanding of the underlying physical aspects of heat transfer and fluid flow as well as improve their ability to analyze and interpret computed results.

Combining Pattern Classifiers Springer

Science & Business Media analysis and incisive C++'s Standard Template Library is revolutionary, but learning to use it well has always been a challenge for students. In Effective STL, best-selling author Scott Meyers (Effective C++, More Effective C++) reveals the critical rules of thumb employed by the experts -- the things they almost always do or almost always avoid doing -- to get the most out of the library. This book offers clear, concise, and concrete guidelines to C++ programmers. While other books describe what's in the STL, Effective STL shows the student how to use it. Each of the book's 50 guidelines is backed by Meyers' legendary examples, so the student will learn not only what to do, but also when to do it - and why.