

Honda Wave 125s Guide

Nanostructured Semiconductors focuses on the development of semiconductor nanocrystals, their technologies and applications, including energy harvesting, solar cells, solid oxide fuel cells, and chemical sensors. Semiconductor oxides are used in electronics, optics, catalysts, sensors, and other functional devices. In their 2D form, the reduction in size confers exceptional properties, useful for creating faster electronics and more efficient catalysts. Since the first edition of the book, there has been significant progress in the development of new functional nanomaterials with unique and sometimes unpredictable quantum-confined properties within the class what it called two-dimensional (2D) semiconductors. These nanocrystals represent extremely thin nano-structures with thickness of just few nanometers. Since that time, not only were 2D semiconductor oxides further developed, more importantly, 2D metal dichalcogenides, such as MoS₂, MoSe₂, WS₂, WSe₂ and others also progressed significantly in their development demonstrating their superior properties compared to their bulk and microstructural counterparts. The book has been expanded to include these advancements. The book begins with the structure and properties of semiconductor nanocrystals (chapter 1), addresses electronic device applications (chapter 2), discusses 2-Dimensional oxides and dichalcogenide semiconductors (chapters 3 through 5), and ends with energy, environment, and bio applications (chapters 6 through 8). Focuses on the development of semiconductor nanocrystals and their technologies and applications, including energy harvesting, solar cells, solid oxide fuel cells and chemical sensors Include other 2D materials, such as dichalcogenides to present a comprehensive resource on the latest advancements in nanostructured semiconductors Reviews the fundamental physics of conductivity and electron arrangement before proceeding to practical applications Contains a unique chapter dedicated to the new atomic layer deposition (ALD) technique which has the ability to develop 2D nanostructures with great precision

MX & Off-Road Performance Handbook -3rd EditionMotorcross and Off-Road Motorcycle Performance HandbookHonda CG125 Owners Workshop Manual
The first textbook on micron-scale mobile robotics, introducing the fundamentals of design, analysis, fabrication, and control, and drawing on case studies of existing approaches. Progress in micro- and nano-scale science and technology has created a demand for new microsystems for high-impact applications in healthcare, biotechnology, manufacturing, and mobile sensor networks. The new robotics field of microrobotics has emerged to extend our interactions and explorations to sub-millimeter scales. This is the first textbook on micron-scale mobile robotics, introducing the fundamentals of design, analysis, fabrication, and control, and drawing on case studies of existing approaches. The book covers the scaling laws that can be used to determine the dominant forces and effects at the micron scale; models forces acting on microrobots, including surface forces, friction, and viscous drag; and describes such possible microfabrication techniques as photo-lithography, bulk micromachining, and deep reactive ion etching. It presents on-board and remote sensing methods, noting that remote sensors are currently more feasible; studies possible on-board microactuators; discusses self-propulsion methods that use self-generated local gradients and fields or biological cells in liquid environments; and describes remote microrobot actuation methods for use in limited spaces such as inside the human body. It covers possible on-board powering methods, indispensable in future medical and other applications; locomotion methods for robots on surfaces, in liquids, in air, and on fluid-air interfaces; and the challenges of microrobot localization and control, in particular multi-robot control methods for magnetic microrobots. Finally, the book addresses current and future applications, including noninvasive medical diagnosis and treatment, environmental remediation, and scientific tools.

Practical guide for anyone planning a long-distance motorcycling trip. Choosing, preparing and equipping a motorbike, documentation and shipping, life on the road, trans-continental route outlines: Asia, Africa & Latin America. Updated and now in full colour, this best-seller has been in print for almost 30 years.

*Spintronics Handbook, Second Edition: Spin Transport and Magnetism
Fundamentals and Applications*

Volume One: Metallic Spintronics

An Industry History

The Secret of Fantasy Forest

Loose Leaf Student Solutions Manual Organic Chemistry

Would life be better without alcohol? It's the nagging question more and more of us are finding harder to ignore, whether we have a "problem" with alcohol or not. After all, we yoga. We green juice. We meditate. We self-care. And yet, come the end of a long work day, the start of a weekend, an awkward social situation, we drink. One glass of wine turns into two turns into a bottle. In the face of how we care for ourselves otherwise, it's hard to avoid how alcohol really makes us feel... terrible. How different would our lives be if we stopped drinking on autopilot? If we stopped drinking altogether? Really different, it turns out. Really better. Frank, funny, and always judgment free, *Sober Curious* is a bold guide to choosing to live hangover-free, from Ruby Warrington, one of the leading voices of the new sobriety movement. Drawing on research, expert interviews, and personal narrative, *Sober Curious* is a radical take down of the myths that keep so many of us drinking. Inspiring, timely, and blame free, *Sober Curious* is both conversation starter and handbook-essential reading that empowers readers to transform their relationship with alcohol, so we can lead our most fulfilling lives.

Seven-year-old Jessica and Elizabeth Wakefield are off to Fantasy Forest, the world's best amusement park, where they meet a new friend who reveals to them all the secrets about the park but none about himself. Original.

This book is a true story of three friends that quit their jobs to travel the country side of this great country America. The book reads like a Hardy Boy adventure book yet the events/experiences actually all happened.

This book unifies all aspects of flight dynamics for the efficient development of aerospace vehicle simulations. It provides the reader with a complete set of tools to build, program, and execute simulations. Unlike other books, it uses tensors for modeling flight dynamics in a form invariant under coordinate transformations. For implementation, the tensors are converted to matrices, resulting in compact computer code. The reader can

pick templates of missiles, aircraft, or hypersonic vehicles to jump-start a particular application. It is the only textbook that combines the theory of modeling with hands-on examples of three-, five-, and six-degree-of-freedom simulations. Included is a link to the CADAC Web Site where you may apply for the free CADAC CD with eight prototype simulations and plotting programs. Amply illustrated with 318 figures and 44 examples, the text can be used for advanced undergraduate and graduate instruction or for self-study. Also included are 77 problems that enhance the ability to model aerospace vehicles and nine projects that hone the skills for developing three-, five-, and six-degree-of-freedom simulations.

Motorcycle Mechanics

The Blissful Sleep, Greater Focus, Limitless Presence, and Deep Connection Awaiting Us
All on the Other Side of Alcohol

A Novel

Japan's Motorcycle Wars

Gas Sensors

This interdisciplinary approach to the topic brings together reviews of the physics, chemistry, fabrication and application of magnetic nanoparticles and nanostructures within a single cover. With its discussion of the basics as well as the most recent developments, and featuring many examples of practical applications, the result is both a clear and concise introduction to the topic for beginners and a guide to relevant comprehensive physical phenomena and essential technological applications for experienced researchers.

The Solutions Manual provides step-by-step solutions guiding the student through the reasoning behind each problem in the text. There is also a self-test section at the end of each chapter which is designed to assess the student's mastery of the material.

A dynamic and hip collective biography that presents forty-four of America's greatest movers and shakers, from Frederick Douglass to Aretha Franklin to Barack Obama, written by ESPN's TheUndefeated.com and illustrated with dazzling portraits by Rob Ball. Meet

forty-four of America's most impressive heroes in this collective biography of African American figures authored by the team at ESPN's TheUndefeated.com. From visionaries to entrepreneurs, athletes to activists, the Fierce 44 are beacons of brilliance, perseverance, and excellence. Each short biography is accompanied by a compelling portrait by Robert Ball, whose bright, graphic art pops off the page. Bringing household names like Serena Williams and Harriet Tubman together with lesser-known but highly deserving figures such as Robert Abbott and Dr. Charles Drew, this collection is a celebration of all that African Americans have achieved, despite everything they have had to overcome.

Extensively updated with all chapters rewritten and double the information and references, Amino Acids and Proteins for the Athlete: The Anabolic Edge, Second Edition reflects the nearly exponential increase in data and knowledge in the past few years regarding the use of amino acids and proteins to enhance athletic performance. This groundbreaking book is written by physician Mauro Di Pasquale, two-time Pan American, two-time North American, and eight-time Canadian Powerlifting Champion. Dr. Di Pasquale served as an advisor to the World Wrestling and World Bodybuilding Federations, has written for numerous health and bodybuilding publications, and has published several books and newsletters on sports-related issues. In this volume, he imparts his scientific knowledge as well as lessons learned from his own athletic achievement to give professional and recreational athletes the tools they need to improve performance using nutrition and nutritional supplements as alternatives to drug use. The book begins with a brief review of energy and protein metabolism before describing the positive impact of supplementation on athletic performance, health, disease, and longevity. It reveals the actions of protein and amino acid supplements on muscle size and strength and energy metabolism as well as the role of specific amino acid supplements. The second part of the book, the practical how-to section, Naturally Anabolic, advises the athlete on ways to achieve maximum progress while avoiding the use of anabolic drugs. It provides the inside scoop on how to use nutrition to manipulate anabolic hormones naturally, and how to lose body fat without sacrificing muscle. The final chapter reveals the secrets of powerful

nutritional supplements that can enhance an athlete's performance. By following Dr. Di Pasquale's time-tested advice, athletes will get the inside edge over the competition and take their achievement to the next level.

An Amazing American Adventure

Handbook of Nanoscience, Engineering, and Technology

Permanent Magnet Synchronous and Brushless DC Motor Drives

Caring for Your Scooter

Looking Modern

Jack McAfghan

For decades the crown jewels of Japan's postwar manufacturing industry, motorcycles remain one of Japan's top exports. Japan's Motorcycle Wars assesses the historical development and societal impact of the motorcycle industry, from the influence of motor sports on vehicle sales in the early 1900s to the postwar developments that led to the massive wave of motorization sweeping the Asia-Pacific region today. Jeffrey Alexander brings a wealth of information to light, providing English translations of transcripts, industry publications, and company histories that have until now been available only in Japanese. By exploring the industry as a whole, he reveals that Japan's motorcycle industry was characterized not by communitarian success but by misplaced loyalties, technical disasters, and brutal competition.

Sleep and Psychosomatic Medicine presents an overview of sleep medicine and the management of common sleep disorders seen in a wide variety of practice settings. Chapters have been written by experts in the field in order to provide physicians of a wide range of interests and abilities with a highly readable exposition of the principal results, including numerous well articulated examples and a rich discussion of applications. The second edition has been revised to further broaden the scope with the inclusion of several new chapters such as Sleep and Dermatology, Fatigue in Chronic Medical Conditions, Occupational Sleep Medicine, Restless Legs Syndrome and Neuropsychiatric Disorders and Sleep Dysfunction after Traumatic Brain Injury, to name a few. This second edition of Sleep and Psychosomatic Medicine is an interdisciplinary, scholarly, authoritative, evidence-based review of the field designed to meet the needs of a wide range of health care professionals, including psychiatrists, psychologists, nurses, medical students, and social workers in health care settings.

Models covered: CG 125, 124 cc

NEW YORK TIMES BESTSELLER. Jonathan Safran Foer's debut—"a funny, moving...deeply felt novel about the

dangers of confronting the past and the redemption that comes with laughing at it, even when that seems all but impossible." (Time) With only a yellowing photograph in hand, a young man—also named Jonathan Safran Foer—sets out to find the woman who might or might not have saved his grandfather from the Nazis. Accompanied by an old man haunted by memories of the war, an amorous dog named Sammy Davis, Junior, and the unforgettable Alex, a young Ukrainian translator who speaks in a sublimely butchered English, Jonathan is led on a quixotic journey over a devastated landscape and into an unexpected past. As their adventure unfolds, Jonathan imagines the history of his grandfather's village, conjuring a magical fable of startling symmetries that unite generations across time. As his search moves back in time, the fantastical history moves forward, until reality collides with fiction in a heart-stopping scene of extraordinary power. "Imagine a novel as verbally cunning as *A Clockwork Orange*, as harrowing as *The Painted Bird*, as exuberant and twee as *Candide*, and you have *Everything Is Illuminated* . . . Read it, and you'll feel altered, chastened—seared in the fire of something new." — Washington Post "A rambunctious tour de force of inventive and intelligent storytelling . . . Foer can place his reader's hand on the heart of human experience, the transcendent beauty of human connections. Read, you can feel the life beating." — Philadelphia Inquirer

Modeling and Simulation of Aerospace Vehicle Dynamics

Quasicrystals

Adventure Motorcycling Handbook

Honda CG125 Owners Workshop Manual

East Asian Visual Culture from Treaty Ports to World War II

Everything Is Illuminated

In his 1959 address, "There is Plenty of Room at the Bottom," Richard P. Feynman speculated about manipulating materials atom by atom, a challenge that has since become a reality, with recent advances enabling atomistic-level tailoring and control of materials. Exemplifying Feynman's vision, *Handbook of Engineering, and Technology, Third Edition* continues to explore innovative nanoscience, engineering, and technology areas. Along with 15 new chapters, this third edition extends the coverage of emerging nano areas even further. Two entirely new sections on energy and biotechnology explore nanomaterials for energy storage devices, photovoltaics, DNA devices and assembly, digital microfluidic lab-on-a-chip, and much more. The book also includes new chapters on nanomagnet logic, quantum transport at the nanoscale, terahertz emission from Bloch oscillator systems, quantum logic, electronic optics in graphene, and electromagnetic metamaterials. With contributions from top scientists and researchers from around the world, this color handbook presents a unified, up-to-date account of the most promising technologies and developments in the nano field. It is a key resource for the next revolution of nanoscale manufacturing—where scalable technologies are used to manufacture large numbers of devices with

functionalities.

This book joins an international and interdisciplinary group of leading experts on the biomedical, energy and environmental applications of Metal-Organic Frameworks (MOFs). The resulting overview covers everything from the environmentally friendly and scale up synthesis of MOFs to their application in green energy generation and storage, and water purification to their use as drug delivery systems, biosensors, and their interaction with relevant macromolecules (genes, enzymes). This book is focused on the interest of MOFs in applications such as the leading –edge energy (energy-related) and biomedical fields. The potential of MOFs in these areas is currently progressing at a fast pace, since the wide portfolio of MOFs offer in terms of composition, topology, incorporation of active species (in their porosity, on their external surface or within their pores), post-synthetic modifications, among others. The aim here is to provide future research goals that emphasize relevant nuances to this field as a whole.

This valuable book provides a concise, yet thorough analysis of a confusing statute and morass of case law. Extremely well organized, the guide allows you to locate promptly and easily issues pertinent to your case.

This book promotes the very notion of quasiperiodic order, and to spur its physical implications and technological capabilities. It, therefore, explores the fundamental aspects of intermetallic, photonic, and phononic quasicrystals, as well as soft-matter quasicrystals, including their intrinsic structural properties. In addition, it thoroughly discusses experimental data and related theoretical approaches to explain them, extending beyond the treatment given in most current solid state physics literature. It also explores exciting applications in new technological devices of quasiperiodically ordered systems, including multilayered quasiperiodic systems, along with 2D and 3D designs, whilst outlining new frontiers in quasicrystal research. This book can be used as a reader-friendly introductory text for graduate students, in addition to senior scientists and researchers in the fields of physics, chemistry, materials science, and engineering. Key features:

- Provides an updated and detailed introduction to the intricate field of quasicrystals in a tutorial style, considering both fundamental aspects and additional freedom degrees provided by designs based on quasiperiodically ordered materials.
- Includes 50 fully worked out exercises with detailed solutions, motivating, and illustrating the different concepts and notions to provide readers with further learning opportunities.
- Presents a complete compendium of the current state of the art in quasicrystalline matter, and outlines future next generation materials based on quasiperiodically ordered designs for their potential use in technological devices.

Dr. Enrique Maciá-Barber is Professor of condensed matter physics at the Universidad Complutense de Madrid. His research interests include the thermoelectric properties of quasicrystals and DNA biophysics. In 2010 he received the RSEF- BBVA Foundation Physics Teaching Award. His book *Aperiodic Structures in Condensed Matter: Fundamentals and Applications* (CRC Press, Boca-Raton, FL) was one of the Top Selling Physics Books according to YBP Library Services.

Sleep and Psychosomatic Medicine

Physics Concepts and Connections

The Art of Racing in the Rain

Black Americans Who Shook Up the World

The Legal Environment of Business

4 Strokes West

An expert communicator, Jack McAfghan writes the memoirs of his four-legged life as a mixed-breed Afghan Hound. From

obedience and agility training to hospice work, Jack and his master learn their lessons side by side, inevitably applying what they have learned as their own lives unfold. It is a love story that can be used as an informal study guide for those who are in the process of training a dog, learning to love, or grieving over the loss of a friend. Jack presents with a wise, open and informed mind. He speaks firsthand about the psychological aspects of canine behavior as he opens the reader's mind to the possibilities that exist in life and after death. He reminds us that the way we think can change the course of our lives. This story will touch everyone who has ever loved. It matters not if they have four legs or two. Jack leads us to a higher love as he expands our tolerance and compassion for all of humanity. He extends himself to every creature of the earth, every human on the planet, every spirit in the universe and most of all, to the bona fide Master over all.

A fascinating and nostalgic compilation of rider profiles written over a three year period, which originally appeared in Classic Motorcycle magazine, and is now accompanied by a new set of over 100 photographs. All of the riders featured became top achievers in their field, although, for some, it was their first interview. During the 1950s and 60s, scrambling especially drew huge crowds to meetings all across the country, and, thanks to TV coverage such as BBC Grandstand Trophy, and ITV's World of Sport, many of the competitors featured in this book became household names. Each chapter includes the competition years of the riders, and also gives an overview of their careers, and conveys their enthusiasm for the sport.

How to maintain, modify and set-up every component and correct common flaws.

NOW A MAJOR MOTION PICTURE FROM FOX 2000 STARRING MILO VENTIMIGLIA, AMANDA SEYFRIED, AND KEVIN COSTNER MEET THE DOG WHO WILL SHOW THE WORLD HOW TO BE HUMAN The New York Times bestselling novel from Garth Stein—a heart-wrenching but deeply funny and ultimately uplifting story of family, love, loyalty, and hope—a captivating look at the wonders and absurdities of human life . . . as only a dog could tell it. “Splendid.” —People “The perfect book for anyone who knows that compassion isn’t only for humans, and that the relationship between two souls who are meant for each other never really comes to an end. Every now and then I’m lucky enough to read a novel I can’t stop thinking about: this is one of them.” —Jodi Picoult “It’s impossible not to love Enzo.” —Minneapolis Star Tribune “This old soul of a dog has much to teach us about being human. I loved this book.” —Sara Gruen

Two-Stroke Performance Tuning

Off-Road Giants!

How to Maintain & Service Your 49cc to 125cc Twist & Go Scooter

Building Blocks for Nanoscience and Nanotechnology

Magnetic Nanoparticles

Road & Track

Spintronics Handbook, Second Edition offers an update on the single most comprehensive survey of the two intertwined fields of spintronics and magnetism, covering the diverse array of materials

and structures, including silicon, organic semiconductors, carbon nanotubes, graphene, and engineered nanostructures. It focuses on seminal pioneering work, together with the latest in cutting-edge advances, notably extended discussion of two-dimensional materials beyond graphene, topological insulators, skyrmions, and molecular spintronics. The main sections cover physical phenomena, spin-dependent tunneling, control of spin and magnetism in semiconductors, and spin-based applications.

Function literals, Monads, Lazy evaluation, Currying, and more About This Book Write concise and maintainable code with streams and high-order functions Understand the benefits of currying your Golang functions Learn the most effective design patterns for functional programming and learn when to apply each of them Build distributed MapReduce solutions using Go Who This Book Is For This book is for Golang developers comfortable with OOP and interested in learning how to apply the functional paradigm to create robust and testable apps. Prior programming experience with Go would be helpful, but not mandatory. What You Will Learn Learn how to compose reliable applications using high-order functions Explore techniques to eliminate side-effects using FP techniques such as currying Use first-class functions to implement pure functions Understand how to implement a lambda expression in Go Compose a working application using the decorator pattern Create faster programs using lazy evaluation Use Go concurrency constructs to compose a functionality pipeline Understand category theory and what it has to do with FP In Detail Functional programming is a popular programming paradigm that is used to simplify many tasks and will help you write flexible and succinct code. It allows you to decompose your programs into smaller, highly reusable components, without applying conceptual restraints on how the software should be modularized. This book bridges the language gap for Golang developers by showing you how to create and consume functional constructs in Golang. The book is divided into four modules. The first module explains the functional style of programming; pure functional programming (FP), manipulating collections, and using high-order functions. In the second module, you will learn design patterns that you can use to build FP-style applications. In the next module, you will learn FP techniques that you can use to improve your API signatures, to increase performance, and to build better Cloud-native applications. The last module delves into the underpinnings of FP with an introduction to category theory for software developers to give you a real understanding of what pure functional programming is all about, along with applicable code examples. By the end of the book, you will be adept at building applications the functional

way. Style and approach This book takes a pragmatic approach and shows you techniques to write better functional constructs in Golang. We'll also show you how use these concepts to build robust and testable apps.

Systematic, illustrated units equip student mechanics and motorcycle owners with knowledge of the skills that are essential for successful motorcycle maintenance and repair

With fuel costs and parking charges it's no wonder the consumer is looking for less expensive forms of travel. This book is aimed at the rider who wants to do his or her own basic scooter maintenance and servicing without the need for in-depth mechanical knowledge, or a technical manual. It covers areas such as oil, brakes, tyres, transmission, electrics, etc, allowing the owner to address the most regularly serviced items without forking out for additional costs.

Illustrated with full colour photographs throughout, and featuring clear, easy-to-follow instructions, this book is a must-have for scooter users.

Sober Curious

Amino Acids and Proteins for the Athlete: The Anabolic Edge, Second Edition

Metal-Organic Frameworks in Biomedical and Environmental Field

MX & Off-Road Performance Handbook -3rd Edition

Components and Devices

Nanostructured Semiconductors

This is the only textbook that helps students develop a thorough understanding of the legal environment of business and enhances their ability to engage in critical thinking and ethical analysis. The legal environment of business is thoroughly treated in an extremely reader-friendly manner; various topics include: the American legal system, dispute resolution, constitutional principles, cyberlaw, white-collar crime, contracts, sales, product and service liability, the law of property, agency law, labor-management relations, environmental law, securities trading and issuance, antitrust laws, and debtor-creditor relations. An excellent desk reference for the legal departments of any business, this book also provides an interesting read for anyone interested in business and ethics.

Despite two decades of massive strides in research and development on control strategies and their subsequent implementation, most books on permanent magnet motor drives still focus primarily on motor design, providing only elementary coverage of control and converters. Addressing that gap with information that has largely been disseminated only in journals and at conferences, Permanent Magnet Synchronous and Brushless DC Motor Drives is a long-awaited comprehensive overview of power electronic converters for permanent magnet synchronous machines and control strategies for variable-speed operation. It introduces machines, power devices, inverters, and control, and addresses modeling, implementation, control strategies, and flux weakening operations, as well as parameter sensitivity, and rotor

position sensorless control. Suitable for both industrial and academic audiences, this book also covers the simulation, low cost inverter topologies, and commutation torque ripple of PM brushless DC motor drives. Simulation of the motor drives system is illustrated with MATLAB® codes in the text. This book is divided into three parts—fundamentals of PM synchronous and brushless dc machines, power devices, inverters; PM synchronous motor drives, and brushless dc motor drives. With regard to the power electronics associated with these drive systems, the author: Explores use of the standard three-phase bridge inverter for driving the machine, power factor correction, and inverter control Introduces space vector modulation step by step and contrasts with PWM Details dead time effects in the inverter, and its compensation Discusses new power converter topologies being considered for low-cost drive systems in PM brushless DC motor drives This reference is dedicated exclusively to PM ac machines, with a timely emphasis on control and standard, and low-cost converter topologies. Widely used for teaching at the doctoral level and for industrial audiences both in the U.S. and abroad, it will be a welcome addition to any engineer's library.

This book brings together reviews by internationally renowned experts on quantum optics and photonics. It describes novel experiments at the limit of single photons, and presents advances in this emerging research area. It also includes reprints and historical descriptions of some of the first pioneering experiments at a single-photon level and nonlinear optics, performed before the inception of lasers and modern light detectors, often with the human eye serving as a single-photon detector. The book comprises 19 chapters, 10 of which describe modern quantum photonics results, including single-photon sources, direct measurement of the photon's spatial wave function, nonlinear interactions and non-classical light, nanophotonics for room-temperature single-photon sources, time-multiplexed methods for optical quantum information processing, the role of photon statistics in visual perception, light-by-light coherent control using metamaterials, nonlinear nanoplasmonics, nonlinear polarization optics, and ultrafast nonlinear optics in the mid-infrared.

This book focuses on the applications of nanomaterials in the fabrication of gas sensors. It covers recent developments of different materials used to design gas sensors, such as conducting polymers, semiconductors, as well as layered and nanosized materials. The widespread applications of various gas sensors for the detection of toxic gases are also discussed. The book provides a concise but thorough coverage of nanomaterials applications and utilization in gas sensors. In addition, it overviews recent developments in and the fabrication of gas sensors and their attributes for a broad audience, including beginners, graduate students, and specialists in both academic and industrial sectors.

Learning Functional Programming in Go

Mobile Microrobotics

A Route and Planning Guide to Asia, Africa and Latin America

Vacuum Electronics

Change the way you approach your applications using functional programming in Go

The Fierce 44

Nineteen experts from the electronics industry, research institutes and universities have joined forces to prepare this book. It does nothing less

than provide a complete overview of the electrophysical fundamentals, the present state of the art and applications, as well as the future prospects of microwave tubes and systems. The book does the same for optoelectronics vacuum devices, electron and ion beam devices, light and X-ray emitters, particle accelerators and vacuum interrupters.

Engine-tuning expert A. Graham Bell steers you through the various modifications that can be made to coax maximum useable power output and mechanical reliability from your two-stroke. Fully revised with the latest information on all areas of engine operation, from air and fuel, through carburation, ignition, cylinders, porting, reed and rotary valves, and exhaust systems to cooling and lubrication, dyno tuning and gearing.

"Looking Modern: East Asian Visual Culture from Treaty Ports to World War II examines multiple dimensions of visual modernity in East Asia from the nineteenth century through the early decades of the twentieth. The papers were drawn from two symposia held at the Center for the Art of East Asia in the Department of Art History, the University of Chicago, which brought out important themes in East Asian Art and visual culture in the nineteenth and twentieth centuries including photography, cinema, and fashion, changing roles of women, commercialization of art, and the impact of Western cultures. They undertook a broad interpretation of visual modernity to include visual dimensions of human endeavor traditionally seen as outside of artistic production in order to encourage exploration of new and understudied materials across disciplinary boundaries. This volume not only provides important background in the growth of modern visual culture in East Asia, but also is a collection of seminal research on specific topics that have a broad impact upon present-day visual arts of China and Japan." --

Publisher's description

This book provides a comprehensive summary of nanowire research in the past decade, from the nanowire synthesis, characterization, assembly, to the device applications. In particular, the developments of complex/modulated nanowire structures, the assembly of hierarchical nanowire arrays, and the applications in the fields of nanoelectronics, nanophotonics, quantum devices, nano-enabled energy, and nano-bio interfaces, are focused. Moreover, novel nanowire building blocks for the future/emerging nanoscience and nanotechnology are also discussed. Semiconducting nanowires represent one of the most interesting research directions in nanoscience and nanotechnology, with capabilities of realizing structural and functional complexity through rational design and synthesis. The exquisite control of chemical composition, morphology, structure, doping and assembly, as well as incorporation with other materials, offer a variety of nanoscale building blocks with unique properties.

A Definitive Guide

Civil RICO

Heroes of 1960s Motorcycle Sport

Nanowires

A Critical Thinking Approach

Motocross & Off-road Performance Handbook