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The Malay Archipelago Artech House
 Treatment of varicose veins based on hemodynamic considerations and especially the CHIVA concept have influenced phlebology for more than a decade. These ideas are not historical but are also a part of new treatment concepts including sclerotherapy and modified surgical procedures. Pre-treatment duplex investigation has become the gold standard. Today, more than ever before, there is a lively discussion and a lot of controversies on how to treat varicose veins best. In the moment there is no definite answer to this question based on published prospective comparative studies. Many questions still remain open and hopefully may be answered in the near future. In these discussions hemodynamic based treatment is always an issue. The chapters of this book are not only well illustrated with excellent color pictures but also based on the actual literature. This book is a mandatory reading for every phlebologist, may she or he be performing CHIVA treatment or not. It is the basis for a

better understanding of this concept and for fruitful discussions on the best way of treating varicose veins in the future.

Fundamentals of Electric Propulsion McGraw-Hill Education

Resource ordered for the Diagnostic Medical Sonography program 105262 and Radiography 105261 program.

A Thousand Years of Nonlinear History Nova Science Publishers

The Battle for Khe Sanh is a book by Moyers S. Shore. During the Vietnam War a battle was conducted in the Khe Sanh area of northwestern Vietnam, and this work presents equipment and tactics of US forces and how they fought VC forces.

Venous Access Made Easy Wiley

An overview of the rapidly growing field of ant colony optimization that describes theoretical findings, the major algorithms, and current applications. The complex social behaviors of ants have been much studied by science, and computer scientists are now finding that these behavior patterns can provide models for solving difficult combinatorial optimization problems. The attempt to develop algorithms inspired by one aspect of ant behavior, the ability to find what computer scientists would call shortest paths, has become the field of ant colony optimization (ACO), the most successful and widely

recognized algorithmic technique based on ant behavior. This book presents an overview of this rapidly growing field, from its theoretical inception to practical applications, including descriptions of many available ACO algorithms and their uses. The book first describes the translation of observed ant behavior into working optimization algorithms. The ant colony metaheuristic is then introduced and viewed in the general context of combinatorial optimization. This is followed by a detailed description and guide to all major ACO algorithms and a report on current theoretical findings. The book surveys ACO applications now in use, including routing, assignment, scheduling, subset, machine learning, and bioinformatics problems. AntNet, an ACO algorithm designed for the network routing problem, is described in detail. The authors conclude by summarizing the progress in the field and outlining future research directions. Each chapter ends with bibliographic material, bullet points setting out important ideas covered in the chapter, and exercises. Ant Colony Optimization will be of interest to academic and industry researchers, graduate students, and practitioners who wish to learn how to implement ACO algorithms.

Probability and Measure Princeton University Press

An unmissable collection of eight unconventional and captivating short stories for young and adult learners of Norwegian. "Olly's top-notch language-learning insights are right in line with the best of what we know from neuroscience and cognitive psychology about how to learn effectively. I love his work - and you will too!" - Barbara Oakley, PhD, Author of New York Times bestseller *A Mind for Numbers* Short Stories in Norwegian for Beginners has been written especially for students from high-beginner to low-intermediate level, designed to give a sense of achievement, a feeling of progress and most importantly - enjoyment! Mapped to A2-B1 on the Common European Framework of Reference (CEFR) for languages, these eight captivating stories are designed to give you a sense of achievement and a feeling of progress when reading. What does this book give you? - Eight stories in a variety of exciting genres, from science fiction and crime to history and thriller - making reading fun, while you learn a wide range of new vocabulary - Controlled language at your level to help you progress confidently - Authentic spoken dialogues to help you learn conversational expressions and improve your speaking ability - Accessible grammar so you learn new structures naturally, in a stress-free way - Pleasure! Research shows that if you're enjoying reading in a foreign language, you won't experience the usual feelings of frustration - 'It's too hard!' 'I don't understand!' Carefully curated to make learning a new language easy, these stories include key features that will support and consolidate your progress, including: - A glossary for bolded words in each chapter - Full plot summary - A bilingual word list - Comprehension questions after each chapter. As a result, you will be able to focus on enjoying reading, delighting in your improved range of vocabulary and grasp of the language, without ever feeling overwhelmed. From science fiction to fantasy, to crime and thrillers, Short Stories in Norwegian for Beginners will make learning Norwegian easy and enjoyable.

A Handbook of Statistical Analyses Using R, Second Edition John Wiley & Sons

Topical and controversial The Tyranny of Health exposes the dangers of the explosion of health awareness for both patients and doctors, using straightforward language to explain the latest health statistics and research findings. Michael Fitzpatrick, a full-time inner-city GP, argues from his day-to-day experience in the surgery that health propaganda is having a very unhealthy effect on the nation. Patients are made unnecessarily anxious as a

result of health scares which have greatly exaggerated the risks of everyday activities such as eating beef, sunbathing and having sex. Doctors no longer seem content with treating disease but are encouraged by the government to tell people how to live more and more aspects of their lives. Michael Fitzpatrick concludes that doctors should stop trying to make people virtuous. He argues that we need to establish a clear boundary between the worlds of medicine and politics, so that doctors can concentrate on treating the sick - and leave the well alone.

The Battle for Khe Sanh Routledge

Throughout most of the twentieth century, electric propulsion was considered the technology of the future. Now, the future has arrived. This important new book explains the fundamentals of electric propulsion for spacecraft and describes in detail the physics and characteristics of the two major electric thrusters in use today, ion and Hall thrusters. The authors provide an introduction to plasma physics in order to allow readers to understand the models and derivations used in determining electric thruster performance. They then go on to present detailed explanations of: Thruster principles Ion thruster plasma generators and accelerator grids Hollow cathodes Hall thrusters Ion and Hall thruster plumes Flight ion and Hall thrusters Based largely on research and development performed at the Jet Propulsion Laboratory (JPL) and complemented with scores of tables, figures, homework problems, and references, Fundamentals of Electric Propulsion: Ion and Hall Thrusters is an indispensable textbook for advanced undergraduate and graduate students who are preparing to enter the aerospace industry. It also serves as an equally valuable resource for professional engineers already at work in the field.

Short Stories in Norwegian for Beginners Routledge

The majority of data sets collected by researchers in all disciplines are multivariate, meaning that several measurements, observations, or recordings are taken on each of the units in the data set. These units might be human subjects, archaeological artifacts, countries, or a vast variety of other things. In a few cases, it may be sensible to isolate each variable and study it separately, but in most instances all the variables need to be examined simultaneously in order to fully grasp the structure and key features of the data. For this purpose, one or another method of multivariate analysis might be helpful, and it is with such methods that this book is largely concerned. Multivariate analysis includes methods both for describing and exploring such data and for making formal inferences about them. The aim of all the techniques is, in general sense, to display or extract the signal in the data in the presence of noise and to find out what the data show us in the midst of their apparent chaos. An Introduction to Applied Multivariate Analysis with R explores the correct application of these methods so as to extract as much information as possible from the data at hand, particularly as some type of graphical representation, via the R software.

Throughout the book, the authors give many examples of R code used to apply the multivariate techniques to multivariate data.

Quantum Mechanics Springer Science & Business Media

Beyond Vision is the first English-language collection of essays on art by Pavel Florensky (1882–1937), Russian philosopher, priest, linguist, scientist, mathematician – and art historian. In addition to seven essays by Florensky, the book includes a biographical introduction and an examination of Florensky's contribution as an art historian by Nicoletta Misler. Beyond Vision reveals Florensky's fundamental attitudes to the vital questions of construction, composition, chronology, function and destination in the fields of painting, sculpture and design. His reputation as a theologian and philosopher is already established in the English-speaking world, but this first collection in English of his art essays

(translated by Wendy Salmond) will be a revelation to those in the field. Pavel Florensky was a true polymath: trained in mathematics and philosophy at Moscow University, he rejected a scholarship in advanced mathematics in order to study theology at the Moscow Theological Academy. He was also an expert linguist, scientist and art historian. A victim of the Soviet government's animosity towards religion, he was condemned to a Siberian labor camp in 1933 where he continued his work under increasingly difficult circumstances. He was executed in 1937.

Another Name: Septology VI-VII John Wiley & Sons

More than a simple expository history, *A Thousand Years of Nonlinear History* sketches the outlines of a renewed materialist philosophy of history in the tradition of Fernand Braudel, Gilles Deleuze, and Félix Guattari, while also engaging the critical new understanding of material processes derived from the sciences of dynamics. Following in the wake of his groundbreaking *War in the Age of Intelligent Machines*, Manuel De Landa presents a radical synthesis of historical development over the last one thousand years. More than a simple expository history, *A Thousand Years of Nonlinear History* sketches the outlines of a renewed materialist philosophy of history in the tradition of Fernand Braudel, Gilles Deleuze, and Félix Guattari, while also engaging the critical new understanding of material processes derived from the sciences of dynamics. Working against prevailing attitudes that see history as an arena of texts, discourses, ideologies, and metaphors, De Landa traces the concrete movements and interplays of matter and energy through human populations in the last millennium. De Landa attacks three domains that have given shape to human societies: economics, biology, and linguistics. In every case, what one sees is the self-directed processes of matter and energy interacting with the whim and will of human history itself to form a panoramic vision of the West free of rigid teleology and naive notions of progress, and even more important, free of any deterministic source of its urban, institutional, and technological forms. Rather, the source of all concrete forms in the West's history are shown to derive from internal morphogenetic capabilities that lie within the flow of matter-energy itself.

[Pedagogy of the Oppressed](#) Good Press

Now in its new third edition, *Probability and Measure* offers advanced students, scientists, and engineers an integrated introduction to measure theory and probability. Retaining the unique approach of the previous editions, this text interweaves material on probability and measure, so that probability problems generate an interest in measure theory and measure theory is then developed and applied to probability. *Probability and Measure* provides thorough coverage of probability, measure, integration, random variables and expected values, convergence of distributions, derivatives and conditional probability, and stochastic processes. The Third Edition features an improved treatment of Brownian motion and the replacement of queuing theory with ergodic theory. · Probability · Measure · Integration · Random Variables and Expected Values · Convergence of Distributions · Derivatives and Conditional Probability · Stochastic Processes

A Sequel to the First Six Books of the Elements of Euclid

MIT Press

This compact volume offers an integrated guide to both Norwegian verbs and the basics of grammar. All the major verbal and grammatical concepts of the language are presented.

[The Book of the Words](#) Verso Books

Quantum Mechanics: Concepts and Applications provides a clear, balanced and modern introduction to the subject. Written with the student's background and ability in mind the book takes an innovative approach to quantum mechanics by combining the

essential elements of the theory with the practical applications: it is therefore both a textbook and a problem solving book in one self-contained volume. Carefully structured, the book starts with the experimental basis of quantum mechanics and then discusses its mathematical tools. Subsequent chapters cover the formal foundations of the subject, the exact solutions of the Schrödinger equation for one and three dimensional potentials, time-independent and time-dependent approximation methods, and finally, the theory of scattering. The text is richly illustrated throughout with many worked examples and numerous problems with step-by-step solutions designed to help the reader master the machinery of quantum mechanics. The new edition has been completely updated and a solutions manual is available on request. Suitable for senior undergraduate courses and graduate courses.

Introduction to Plasma Physics McGraw Hill Professional
Master powerful new modeling tools that let you quantify and represent metamaterial properties with never-before accuracy. This first-of-its-kind book brings you up to speed on breakthrough finite-difference time-domain techniques for modeling metamaterial characteristics and behaviors in electromagnetic systems. This practical resource comes complete with sample FDTD scripts to help you pave the way to new metamaterial applications and advances in antenna, microwave, and optics engineering. You get in-depth coverage of state-of-the-art FDTD modeling techniques and applications for electromagnetic bandgap (EBG) structures, left-handed metamaterials (LHMs), wire medium, metamaterials for optics, and other practical metamaterials. You find steps for computing dispersion diagrams, dealing with material dispersion properties, and verifying the left-handedness. Moreover, this comprehensive volume offers guidance for handling the unique properties possessed by metamaterials, including how to define material parameters, characterize the interface of metamaterial slabs, and quantify their spatial as well as frequency dispersion characteristics. The book also presents conformal and dispersive FDTD modeling of electromagnetic cloaks, perfect lens, and plasmonic waveguides, as well as other novel antenna, microwave, and optical applications. Over 190 illustrations support key topics throughout the book.

[The Mystery of Nils. Part 1 - Norwegian Course for Beginners.](#)

[Learn Norwegian - Enjoy the Story.](#) University of Illinois Press

Our day-to-day experiences over the past decade have taught us that there must be limits to our tremendous appetite for energy, natural resources, and consumer goods. Even utility and oil companies now promote conservation in the face of demands for dwindling energy reserves. And for years some biologists have warned us of the direct correlation between scarcity and population growth. These scientists see an appalling future riding the tidal wave of a worldwide growth of population and technology. A calm but unflinching realist, Catton suggests that we cannot stop this wave - for we have already overshot the Earth's capacity to support so huge a load. He contradicts those scientists, engineers, and technocrats who continue to write optimistically about energy alternatives. Catton asserts that the technological panaceas proposed by those who would harvest from the seas, harness the winds, and farm the deserts are ignoring the fundamental premise that "the principals of ecology apply to all living things." These principles tell us that, within a finite system, economic expansion is not irreversible and population growth cannot continue indefinitely. If we disregard these facts, our sagging American Dream will soon shatter completely.

[Governing the Commons](#) Routledge

Volcanoes are essential elements in the delicate global balance of

elemental forces that govern both the dynamic evolution of the Earth and the nature of Life itself. Without volcanic activity, life as we know it would not exist on our planet. Although beautiful to behold, volcanoes are also potentially destructive, and understanding their nature is critical to prevent major loss of life in the future. Richly illustrated with over 300 original color photographs and diagrams the book is written in an informal manner, with minimum use of jargon, and relies heavily on first-person, eye-witness accounts of eruptive activity at both "red" (effusive) and "grey" (explosive) volcanoes to illustrate the full spectrum of volcanic processes and their products. Decades of teaching in university classrooms and fieldwork on active volcanoes throughout the world have provided the authors with unique experiences that they have distilled into a highly readable textbook of lasting value. Questions for Thought, Study, and Discussion, Suggestions for Further Reading, and a comprehensive list of source references make this work a major resource for further study of volcanology. *Volcanoes* maintains three core foci: Global perspectives explain volcanoes in terms of their tectonic positions on Earth and their roles in earth history Environmental perspectives describe the essential role of volcanism in the moderation of terrestrial climate and atmosphere Humanitarian perspectives discuss the major influences of volcanoes on human societies. This latter is especially important as resource scarcities and environmental issues loom over our world, and as increasing numbers of people are threatened by volcanic hazards Readership Volcanologists, advanced undergraduate, and graduate students in earth science and related degree courses, and volcano enthusiasts worldwide. A companion website is also available for this title at www.wiley.com/go/lockwood/volcanoes

Volcanoes Liap Media Corporation

The book serves as a first introduction to computer programming of scientific applications, using the high-level Python language. The exposition is example and problem-oriented, where the applications are taken from mathematics, numerical calculus, statistics, physics, biology and finance. The book teaches "Matlab-style" and procedural programming as well as object-oriented programming. High school mathematics is a required background and it is advantageous to study classical and numerical one-variable calculus in parallel with reading this book. Besides learning how to program computers, the reader will also learn how to solve mathematical problems, arising in various branches of science and engineering, with the aid of numerical methods and programming. By blending programming, mathematics and scientific applications, the book lays a solid foundation for practicing computational science. From the reviews: Langtangen ... does an excellent job of introducing programming as a set of skills in problem solving. He guides the reader into thinking properly about producing program logic and

data structures for modeling real-world problems using objects and functions and embracing the object-oriented paradigm. ... Summing Up: Highly recommended. F. H. Wild III, *Choice*, Vol. 47 (8), April 2010 Those of us who have learned scientific programming in Python 'on the streets' could be a little jealous of students who have the opportunity to take a course out of Langtangen's Primer." John D. Cook, *The Mathematical Association of America*, September 2011 This book goes through Python in particular, and programming in general, via tasks that scientists will likely perform. It contains valuable information for students new to scientific computing and would be the perfect bridge between an introduction to programming and an advanced course on numerical methods or computational science. Alex Small, *IEEE, CiSE* Vol. 14 (2), March /April 2012 "This fourth edition is a wonderful, inclusive textbook that covers pretty much everything one needs to know to go from zero to fairly sophisticated scientific programming in Python..." Joan Horvath, *Computing Reviews*, March 2015

The World Through Picture Books Reaktion Books

A Proven Guide for Easily Using R to Effectively Analyze Data Like its bestselling predecessor, *A Handbook of Statistical Analyses Using R*, Second Edition provides a guide to data analysis using the R system for statistical computing. Each chapter includes a brief account of the relevant statistical background, along with appropriate references. New to the Second Edition New chapters on graphical displays, generalized additive models, and simultaneous inference A new section on generalized linear mixed models that completes the discussion on the analysis of longitudinal data where the response variable does not have a normal distribution New examples and additional exercises in several chapters A new version of the HSAUR package (HSAUR2), which is available from CRAN This edition continues to offer straightforward descriptions of how to conduct a range of statistical analyses using R, from simple inference to recursive partitioning to cluster analysis. Focusing on how to use R and interpret the results, it provides students and researchers in many disciplines with a self-contained means of using R to analyze their data.

Basic Radiology, Second Edition John Wiley & Sons

This primer is aimed at elevating graduate students of condensed matter theory to a level where they can engage in independent research. Topics covered include second quantisation, path and functional field integration, mean-field theory and collective phenomena.

Nefarious Crimes, Contested Justice Springer

Real-world applications--Integrates real-world analysis and design applications throughout the text. Examples include: the sun-seeker system, the liquid-level control, dc-motor control, and space-vehicle payload control. * Examples and problems-- Includes an abundance of illustrative examples and problems. * Marginal notes throughout the text highlight important points.

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