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KEY=CONVERTING - ARMSTRONG MACIAS

STRUCTURAL ENGINEER'S POCKET BOOK

Elsevier Until now there has been no comprehensive pocket reference guide for professional and student structural engineers. The **Structural Engineers Pocket Book** is a unique compilation of all table, data, facts, formulae and rules of thumb needed for scheme design by structural engineers in the office, in transit or on site. By bringing together data from many sources, this pocket book is a compact source of job-simplifying information at an affordable price. It is a first point of reference as well as saving valuable time spent trying to track down information that is needed on a daily basis. This may be a small book in terms of its physical dimensions, but it contains a wealth of useful engineering knowledge. Concise and precise, the book is split into 13 sections, with quick and clear access to subject areas including: timber, masonry, concrete, aluminium and glass. British Standards are used and referenced throughout. *the only book of its kind for structural engineers. *brings together information from many different sources for the first time. *comprehensive, yet concise and affordable.

INTRODUCTION TO THE ECONOMICS AND MATHEMATICS OF FINANCIAL MARKETS

MIT Press An innovative textbook for use in advanced undergraduate and graduate courses; accessible to students in financial mathematics, financial engineering and economics. **Introduction to the Economics and Mathematics of Financial Markets** fills the longstanding need for an accessible yet serious textbook treatment of financial economics. The book provides a rigorous overview of the subject, while its flexible presentation makes it suitable for use with different levels of undergraduate and graduate students. Each chapter presents mathematical models of financial problems at three different degrees of sophistication: single-period, multi-period, and continuous-time. The single-period and multi-period models require only basic calculus and an introductory probability/statistics course, while an advanced undergraduate course in probability is helpful in understanding the continuous-time models. In this way, the material is given complete coverage at different levels; the less advanced student can stop before the more sophisticated mathematics and still be able to grasp the general principles of financial economics. The book is divided into three parts. The first part provides an introduction to basic securities and financial market organization, the concept of interest rates, the main mathematical models, and quantitative ways to measure risks and rewards. The second part treats option pricing and hedging; here and throughout the book, the authors emphasize the Martingale or probabilistic approach. Finally, the third part examines equilibrium models—a subject often neglected by other texts in financial mathematics, but included here because of the qualitative insight it offers into the behavior of market participants and pricing.

DESIGN OF STEEL STRUCTURES

Springer Science & Business Media This book is intended for classroom teaching in architectural and civil engineering at the graduate and undergraduate levels. Although it has been developed from lecture notes given in structural steel design, it can be useful to practicing engineers. Many of the examples presented in this book are drawn from the field of design of structures. Design of Steel Structures can be used for one or two semesters of three hours each on the undergraduate level. For a two-semester curriculum, Chapters 1 through 8 can be used during the first semester. Heavy emphasis should be placed on Chapters 1 through 5, giving the student a brief exposure to the consideration of wind and earthquakes in the design of buildings. With the new federal requirements vis a vis wind and earthquake hazards, it is beneficial to the student to have some understanding of the underlying concepts in this field. In addition to the class lectures, the instructor should require the student to submit a term project that includes the complete structural design of a multi-story building using standard design procedures as specified by AISC Specifications. Thus, the use of the AISC Steel Construction Manual is a must in teaching this course. In the second semester, Chapters 9 through 13 should be covered. At the undergraduate level, Chapters 11 through 13 should be used on a limited basis, leaving the student more time to concentrate on composite construction and built-up girders.

THE ONE WORLD SCHOOLHOUSE

EDUCATION REIMAGINED

Hachette UK A free, world-class education for anyone, anywhere: this is the goal of the Khan Academy, a passion project that grew from an ex-engineer and hedge funder's online tutoring sessions with his niece, who was struggling with algebra, into a worldwide phenomenon. Today millions of students, parents, and teachers use the Khan Academy's free videos and software, which have expanded to encompass nearly every conceivable subject; and Academy techniques are being employed with exciting results in a growing number of classrooms around the globe. Like many innovators, Khan rethinks existing assumptions and imagines what education could be if freed from them. And his core idea-liberating teachers from lecturing and state-mandated calendars and opening up class time for truly human interaction-has become his life's passion. Schools seek his advice about connecting to students in a digital age, and people of all ages and backgrounds flock to the site to utilize this fresh approach to learning. In **The One World Schoolhouse**, Khan presents his radical vision for the future of education, as well as his own remarkable story, for the first time. In these pages, you will discover, among other things: How both students and teachers are being bound by a broken top-down model invented in Prussia two centuries ago Why technology will make classrooms more human and teachers more important How and why we can afford to pay educators the same as other professionals How we can bring creativity and true human interactivity back to learning Why we should be very optimistic about the future of learning. Parents and politicians routinely bemoan the state of our education system. Statistics suggest we've fallen behind the rest of the world in literacy, math, and sciences. With a shrewd reading of history, Khan explains how this crisis presented itself, and why a return to "mastery learning," abandoned in the twentieth century and ingeniously revived by tools like the Khan Academy, could offer the best opportunity to level the playing field, and to give all of our children a world-class education now. More than just a solution, **The One World Schoolhouse** serves as a call for free, universal, global education, and an explanation of how Khan's simple yet revolutionary thinking can help achieve this inspiring goal.

MILLIONS TO MEASURE

Perfection Learning **Marvelosissimo, the Magician**, explains the development of standard units of measure, and shows the simplicity of calculating length, height, weight, and volume using the metric system.

NATURAL LANGUAGE PROCESSING AND TEXT MINING

Springer Science & Business Media **Natural Language Processing and Text Mining** not only discusses applications of Natural Language Processing techniques to certain Text Mining tasks, but also the converse, the use of Text Mining to assist NLP. It assembles a diverse views from internationally recognized researchers and emphasizes caveats in the attempt to apply Natural Language Processing to text mining. This state-of-the-art survey is a must-have for advanced students, professionals, and researchers.

ARCHITECTURE

FORM, SPACE, AND ORDER

John Wiley & Sons A superb visual reference to the principles of architecture Now including interactive CD-ROM! For more than thirty years, the beautifully illustrated **Architecture: Form, Space, and Order** has been the classic introduction to the basic vocabulary of architectural design. The updated Third Edition features expanded sections on circulation, light, views, and site context, along with new considerations of environmental factors, building codes, and contemporary examples of form, space, and order. This classic visual reference helps both students and practicing architects understand the basic vocabulary of architectural design by examining how form and space are ordered in the built environment.? Using his trademark meticulous drawing, Professor Ching shows the relationship between fundamental elements of architecture through the ages and across cultural boundaries. By looking at these seminal ideas, **Architecture: Form, Space, and Order** encourages the reader to look critically at the built environment and promotes a more evocative understanding of architecture. In addition to updates to content and many of the illustrations, this new edition includes a companion CD-ROM that brings the book's architectural concepts to life through three-dimensional models and animations created by Professor Ching.

CAPACITY

Children's Press **Capacity** is the word used to describe the most that a container can hold. In this book, real-world examples and corresponding photos make this math concept easy for the youngest readers to grasp.

ARTEMIS FOWL: THE ETERNITY CODE

Turtleback Books Details the third thrilling adventure of resourceful young criminal mastermind, **Artemis Fowl**, who has found a way to construct a supercomputer from stolen fairy technology.

INTRODUCTION TO HIGH PERFORMANCE COMPUTING FOR SCIENTISTS AND ENGINEERS

CRC Press Written by high performance computing (HPC) experts, *Introduction to High Performance Computing for Scientists and Engineers* provides a solid introduction to current mainstream computer architecture, dominant parallel programming models, and useful optimization strategies for scientific HPC. From working in a scientific computing center, the author

MIDDLE SCHOOL MATH WITH PIZZAZZ!: E. RATIO AND PROPORTION; PERCENT; STATISTICS AND GRAPHS; PROBABILITY; INTEGERS; COORDINATE GRAPHING; EQUATIONS

IB PHYSICS COURSE BOOK

FOR THE IB DIPLOMA

OUP Oxford The most comprehensive match to the new 2014 Chemistry syllabus, this completely revised edition gives you unrivalled support for the new concept-based approach, the Nature of science. The only DP Chemistry resource that includes support directly from the IB, focused exam practice, TOK links and real-life applications drive achievement.

TETRAPLEGIA AND PARAPLEGIA

A GUIDE FOR PHYSIOTHERAPISTS

Elsevier Health Sciences Extensively illustrated and easy to use, this practical resource offers clear guidelines and step-by-step sequences for moving and working with individuals with differing levels of paralysis. It serves as both an ideal student textbook and a valuable clinical manual for therapists who see tetraplegic and paraplegic patients. Clear, practical, concise chapters present important information in an easily understandable approach. Spiral-bound format enables the book to lay flat for easy reference in the clinical setting or classroom. Excellent coverage of wheelchairs and wheelchair management is included. All illustrations have been redrawn for increased clarity, to enhance the clinical usefulness of this resource. Audit and evidence-based practice is incorporated throughout. Discussion of patient empowerment is included. The chapter on hands has been expanded to provide more in-depth coverage of this important topic. New discussion of levers has been added to this edition. New chapter on aging offers insight and considerations for treating aging and elderly patients with spinal cord injury. Expanded section on equipment provides details on current and state-of-the-art equipment used in practice.

MUNRO'S STATISTICAL METHODS FOR HEALTH CARE RESEARCH

Lippincott Williams & Wilkins This work provides a foundation in the statistics portion of nursing. Topics expanded in this edition include reliability analysis, path analysis, measurement error, missing data, and survival analysis.

OPEN VERIFICATION METHODOLOGY COOKBOOK

Springer Science & Business Media Functional verification is an art as much as a science. It requires not only creativity and cunning, but also a clear methodology to approach the problem. The Open Verification Methodology (OVM) is a leading-edge methodology for verifying designs at multiple levels of abstraction. It brings together ideas from electrical, systems, and software engineering to provide a complete methodology for verifying large scale System-on-Chip (SoC) designs. OVM defines an approach for developing testbench architectures so they are modular, configurable, and reusable. This book is designed to help both novice and experienced verification engineers master the OVM through extensive examples. It describes basic verification principles and explains the essentials of transaction-level modeling (TLM). It leads readers from a simple connection of a producer and a consumer through complete self-checking testbenches. It explains construction techniques for building configurable, reusable testbench components and how to use TLM to communicate between them. Elements such as agents and sequences are explained in detail.

DIGITAL AND ANALOGUE INSTRUMENTATION

TESTING AND MEASUREMENT

IEE A substantial update of his earlier book "Modern Electronic Test and Measuring Instruments" (IEE, 1996), the author provides a state-of-the art review of modern families of digital instruments. For each family he covers internal design, use and applications, highlighting their advantages and limitations from a practical application viewpoint. New enabling semiconductor technology including data converters, signal processors and modern sensors offers new capabilities to instrument designers and the book treats new digital instrument families such as DSOs, Arbitrary Function Generators, FFT analysers and many other common systems used by the test engineers, designers and research scientists.

THE VOCABULARY AND CONCEPTS OF ORGANIC CHEMISTRY

John Wiley & Sons This book is a basic reference providing concise, accurate definitions of the key terms and concepts of organic chemistry. Not simply a listing of organic compounds, structures, and nomenclatures, the book is organized into topical chapters in which related terms and concepts appear in close proximity to one another, giving context to the information and helping to make fine distinctions more understandable. Areas covered include: bonding, symmetry, stereochemistry, types of organic compounds, reactions, mechanisms, spectroscopy, and photochemistry.

MODERN MULTIVARIATE STATISTICAL TECHNIQUES

REGRESSION, CLASSIFICATION, AND MANIFOLD LEARNING

Springer Science & Business Media This is the first book on multivariate analysis to look at large data sets which describes the state of the art in analyzing such data. Material such as database management systems is included that has never appeared in statistics books before.

MOTORCYCLES & SWEETGRASS

Knopf Canada A story of magic, family, a mysterious stranger . . . and a band of marauding raccoons. Otter Lake is a sleepy Anishnawbe community where little happens. Until the day a handsome stranger pulls up astride a 1953 Indian Chief motorcycle - and turns Otter Lake completely upside down. Maggie, the Reserve's chief, is swept off her feet, but Virgil, her teenage son, is less than enchanted. Suspicious of the stranger's intentions, he teams up with his uncle Wayne - a master of aboriginal martial arts - to drive the stranger from the Reserve. And it turns out that the raccoons are willing to lend a hand.

INTERNATIONAL ENCYCLOPEDIA OF INFORMATION AND LIBRARY SCIENCE

Routledge The International Encyclopedia of Information and Library Science was published to widespread acclaim in 1996, and has become the major reference work in the field. This eagerly awaited new edition has been fully revised and updated to take full account of the many and radical changes which have taken place since the Encyclopedia was originally conceived. With nearly 600 entries, written by a global team of over 150 contributors, the subject matter ranges from mobile library services provided by camel and donkey transport to search engines, portals and the World Wide Web. The new edition retains the successful structure of the first with an alphabetical organization providing the basic framework of a coherent collection of connected entries. Conceptual entries explore and explicate all the major issues, theories and activities in information and library science, such as the economics of information and information management. A wholly new entry on information systems, and enhanced entries on the information professions and the information society, are key features of this new edition. Topical entries deal with more specific subjects, such as collections management and information services for ethnic minorities. New or completely revised entries include a group of entries on information law, and a collection of entries on the Internet and the World Wide Web.

PRINCIPLES OF FOOD SANITATION

Springer Science & Business Media Large volume food processing and preparation operations have increased the need for improved sanitary practices from processing to consumption. This trend presents a challenge to every employee in the food processing and food preparation industry. Sanitation is an applied science for the attainment of hygienic conditions. Because of increased emphasis on food safety, sanitation is receiving increased attention from those in the food industry. Traditionally, inexperienced employees with few skills who have received little or no training have been delegated sanitation duties. Yet sanitation employees require intensive training. In the past, these employees, including sanitation program managers, have had only limited access to material on this subject. Technical information has been confined primarily to a limited number of training manuals provided by regulatory agencies, industry and association manuals, and recommendations from equipment and cleaning compound firms. Most of this material lacks specific information related to the selection of appropriate cleaning methods, equipment, compounds, and sanitizers for maintaining hygienic conditions in food processing and preparation facilities. The purpose of this text is to provide sanitation information needed to ensure hygienic practices. Sanitation is a broad subject; thus, principles related to contamination, cleaning compounds, sanitizers, and cleaning equipment, and specific directions for applying these principles to attain hygienic conditions in food processing and food preparation are discussed. The discussion starts with the importance of sanitation and also includes regulatory requirements and voluntary sanitation programs including additional and updated information on Hazard Analysis Critical Control Points (HACCP).

PRINCIPLES OF FOUNDATION ENGINEERING

Cengage Learning Master the core concepts and applications of foundation analysis and design with Das/Sivakugan's best-selling PRINCIPLES OF FOUNDATION ENGINEERING, 9th Edition. Written specifically for those studying undergraduate civil engineering, this invaluable resource by renowned authors in the field of geotechnical engineering provides an

ideal balance of today's most current research and practical field applications. A wealth of worked-out examples and figures clearly illustrate the work of today's civil engineer, while timely information and insights help readers develop the critical skills needed to properly apply theories and analysis while evaluating soils and foundation design. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

RULE OF EXPERTS

EGYPT, TECHNO-POLITICS, MODERNITY

Univ of California Press **Publisher Description**

MEASUREMENT SYSTEMS AND SENSORS, SECOND EDITION

Artech House This thoroughly updated and expanded second edition is an authoritative resource on industrial measurement systems and sensors, with particular attention given to temperature, stress, pressure, acceleration, and liquid flow sensors. This edition includes new and expanded chapters on wireless measuring systems and measurement control and diagnostics systems in cars. Moreover, the book introduces new, cost-effective measurement technology utilizing www servers and LAN computer networks - a topic not covered in any other resource. Coverage of updated wireless measurement systems and wireless GSM/LTE interfacing make this book unique, providing in-depth, practical knowledge. Professionals learn how to connect an instrument to a computer or tablet while reducing the time for collecting and processing measurement data. This hands-on reference presents digital temperature sensors, demonstrating how to design a monitoring system with multipoint measurements. From computer-based measuring systems, electrical thermometers and pressure sensors, to conditioners, crate measuring systems, and virtual instruments, this comprehensive title offers engineers the details they need for their work in the field.

FLOOD CONTROL AND DRAINAGE ENGINEERING, 3RD EDITION

Taylor & Francis Primarily written as course material on flood control and drainage engineering for advanced students of civil engineering, this third edition is thoroughly revised. It accommodates recent developments in remote sensing, information technology and GIS technology. New additional material deals with problems of flood forecasting, flood plain prioritization and flood hazard zoning, and engineering measures for flood control. Drainage improvement is tackled, with particular regard to salinity and coastal aquifer management from the ingress of sea water. The book includes design problem-solving and case studies, making it practical and applications-oriented. The subject matter will be of considerable interest to civil engineers, agricultural engineers, architects and town planners, as well as other government and non-government organizations

CLICK MODELS FOR WEB SEARCH

Morgan & Claypool Publishers With the rapid growth of web search in recent years the problem of modeling its users has started to attract more and more attention of the information retrieval community. This has several motivations. By building a model of user behavior we are essentially developing a better understanding of a user, which ultimately helps us to deliver a better search experience. A model of user behavior can also be used as a predictive device for non-observed items such as document relevance, which makes it useful for improving search result ranking. Finally, in many situations experimenting with real users is just infeasible and hence user simulations based on accurate models play an essential role in understanding the implications of algorithmic changes to search engine results or presentation changes to the search engine result page. In this survey we summarize advances in modeling user click behavior on a web search engine result page. We present simple click models as well as more complex models aimed at capturing non-trivial user behavior patterns on modern search engine result pages. We discuss how these models compare to each other, what challenges they have, and what ways there are to address these challenges. We also study the problem of evaluating click models and discuss the main applications of click models.

INTRODUCTION TO ALGEBRA

Oxford University Press on Demand This Second Edition of a classic algebra text includes updated and comprehensive introductory chapters, new material on axiom of Choice, p-groups and local rings, discussion of theory and applications, and over 300 exercises. It is an ideal introductory text for all Year 1 and 2 undergraduate students in mathematics.

INTRODUCTION TO INSTRUMENTATION, SENSORS AND PROCESS CONTROL

Artech House on Demand Due to the increasing complexity of modern electrical, mechanical, and chemical systems, today's engineers have a growing interest in instrumentation, sensors, and process control. Providing this essential knowledge, this clear, easy-to-comprehend resource covers a wide range of technologies and techniques used in process control, fully explaining important related terminology. Professionals learn how to use microprocessors for both analog and digital process control, as well as signal conditioning. Moreover, engineers find the latest details on cutting-edge microelectromechanical devices and smart sensors. The book presents numerous worked examples using both English and SI (international system) units, which allows for easy conversion between the two systems. Nearly 200 illustrations and more than 150 equations support key topics throughout the book.

WATER AND WASTEWATER CALCULATIONS MANUAL, 2ND ED.

McGraw Hill Professional Quick Access to the Latest Calculations and Examples for Solving All Types of Water and Wastewater Problems! The Second Edition of Water and Wastewater Calculations Manual provides step-by-step calculations for solving a myriad of water and wastewater problems. Designed for quick-and-easy access to information, this revised and updated Second Edition contains over 110 detailed illustrations and new material throughout. Written by the internationally renowned Shun Dar Lin, this expert resource offers techniques and examples in all sectors of water and wastewater treatment. Using both SI and US customary units, the Second Edition of Water and Wastewater Calculations Manual features: Coverage of stream sanitation, lake and impoundment management, and groundwater Conversion factors, water flow calculations, hydraulics in pipes, weirs, orifices, and open channels, distribution, outlets, and quality issues In-depth emphasis on drinking water treatment and water pollution control technologies Calculations specifically keyed to regulation requirements New to this edition: regulation updates, pellet softening, membrane filtration, disinfection by-products, health risks, wetlands, new and revised examples using field data Inside this Updated Environmental Reference Tool • Streams and Rivers • Lakes and Reservoirs • Groundwater • Fundamental and Treatment Plant Hydraulics • Public Water Supply • Wastewater Engineering • Appendices: Macro invertebrate Tolerance List • Well Function for Confined Aquifers • Solubility Product Constants for Solution at or near Room Temperature • Freundlich Adsorption Isotherm Constants for Toxic Organic Compounds • Conversion Factors

AN EDIBLE HISTORY OF HUMANITY

Atlantic Books Ltd Throughout history, food has done more than simply provide sustenance. It has acted as a tool of social transformation, political organization, geopolitical competition, industrial development, military conflict and economic expansion. In An Edible History of Humanity Tom Standage serves up a hugely satisfying account of ways in which food has, indirectly, helped to shape and transform societies around the world. It is a dazzling account of gastronomic revolutions from pre-history to the present.

PROGRESS IN MATHEMATICS 2006

THE SPARKFUN GUIDE TO PROCESSING

CREATE INTERACTIVE ART WITH CODE

No Starch Press Processing is a free, beginner-friendly programming language designed to help non-programmers create interactive art with code. The SparkFun Guide to Processing, the first in the SparkFun Electronics series, will show you how to craft digital artwork and even combine that artwork with hardware so that it reacts to the world around you. Start with the basics of programming and animation as you draw colorful shapes and make them bounce around the screen. Then move on to a series of hands-on, step-by-step projects that will show you how to: -Make detailed pixel art and scale it to epic proportions -Write a maze game and build a MaKey MaKey controller with fruit buttons -Play, record, and sample audio to create your own soundboard -Fetch weather data from the Web and build a custom weather dashboard -Create visualizations that change based on sound, light, and temperature readings With a little imagination and Processing as your paintbrush, you'll be on your way to coding your own gallery of digital art in no time! Put on your artist's hat, and begin your DIY journey by learning some basic programming and making your first masterpiece with The SparkFun Guide to Processing. The code in this book is compatible with Processing 2 and Processing 3.

ON FOOD AND COOKING

THE SCIENCE AND LORE OF THE KITCHEN

Simon and Schuster A kitchen classic for over 35 years, and hailed by Time magazine as "a minor masterpiece" when it first appeared in 1984, On Food and Cooking is the bible which food lovers and professional chefs worldwide turn to for an understanding of where our foods come from, what exactly they're made of, and how cooking transforms them into something new and delicious. For its twentieth anniversary, Harold McGee prepared a new, fully revised and updated edition of On Food and Cooking. He has rewritten the text almost completely, expanded it by two-thirds, and commissioned more than 100 new illustrations. As compulsively readable and engaging as ever, the new On Food and Cooking provides countless eye-opening insights into food, its preparation, and its enjoyment. On Food and Cooking pioneered the translation of technical food science into cook-friendly kitchen science and helped birth the inventive culinary movement known as "molecular gastronomy." Though other books have been written about kitchen science, On Food and Cooking remains unmatched in the accuracy, clarity, and thoroughness of its explanations, and the intriguing way in which it blends science with the historical evolution of foods and cooking techniques. Among the major themes addressed throughout the new edition are: · Traditional and modern methods of food production and their influences on food quality · The great diversity of methods by which people in different places and times have prepared the same ingredients · Tips for selecting the best ingredients and preparing

them successfully · The particular substances that give foods their flavors, and that give us pleasure · Our evolving knowledge of the health benefits and risks of foods On Food and Cooking is an invaluable and monumental compendium of basic information about ingredients, cooking methods, and the pleasures of eating. It will delight and fascinate anyone who has ever cooked, savored, or wondered about food.

FOR THE LOVE OF PHYSICS

FROM THE END OF THE RAINBOW TO THE EDGE OF TIME - A JOURNEY THROUGH THE WONDERS OF PHYSICS

Simon and Schuster Largely autobiographical account of the author's life as one who fell in love first with physics and then with teaching physics to students.

SUPERFREAKONOMICS

GLOBAL COOLING, PATRIOTIC PROSTITUTES AND WHY SUICIDE BOMBERS SHOULD BUY LIFE INSURANCE

Penguin UK Here at last is the long awaited sequel to the international bestselling phenomenon, Freakonomics. Steven Levitt, the original rogue economist, and Stephen Dubner have been working hard, uncovering the hidden side of even more controversial subjects, from charity to terrorism and prostitution. And with their inimitable style and wit, they will take us on another even more gripping journey of discovery. Superfreakonomics will once again transform the way we look at the world.

THE TASTE OF BREAD

A TRANSLATION OF LE GOÛT DU PAIN, COMMENT LE PRÉSERVER, COMMENT LE RETROUVER

Springer Science & Business Media At last, Raymond Calvel's Le Gout du Pain is available in English, translated by Ronald Wirtz. Mr. Calvel is known throughout the world for his research on the production of quality French and European hearth breads. The Taste of Bread is a thorough guide to the elements and principles behind the production of good-tasting bread, including a broad variety of bread products as flavored breads, breadsticks, croissants, brioches, and other regional baked goods. Each important aspect of the process is covered: wheat and milling characteristics of breadmaking flour dough composition oxidation in the mixing process leavening and fermentation effects of dough division and formation baking and equipment storage The English edition provides notes and information specifically on the use of North American flours and includes recipes in both metric and US units. Enhanced with new black-and-white and color photography, The Taste of Bread will be a key resource for bakers and other culinary professionals and students who must understand the complex elements that yield quality breads.

OPEN

THE PHILOSOPHY AND PRACTICES THAT ARE REVOLUTIONIZING EDUCATION AND SCIENCE

Ubiquity Press Affordable education. Transparent science. Accessible scholarship. These ideals are slowly becoming a reality thanks to the open education, open science, and open access movements. Running separate—if parallel—courses, they all share a philosophy of equity, progress, and justice. This book shares the stories, motives, insights, and practical tips from global leaders in the open movement.

SMALL ELECTRIC VEHICLES

AN INTERNATIONAL VIEW ON LIGHT THREE- AND FOUR-WHEELERS

Springer Nature This edited open access book gives a comprehensive overview of small and lightweight electric three- and four-wheel vehicles with an international scope. The present status of small electric vehicle (SEV) technologies, the market situation and main hindering factors for market success as well as options to attain a higher market share including new mobility concepts are highlighted. An increased usage of SEVs can have different impacts which are highlighted in the book in regard to sustainable transport, congestion, electric grid and transport-related potentials. To underline the effects these vehicles can have in urban areas or rural areas, several case studies are presented covering outcomes of pilot projects and studies in Europe. A study of the operation and usage in the Global South extends the scope to a global scale. Furthermore, several concept studies and vehicle concepts on the market give a more detailed overview and show the deployment in different applications.

ICE CREAM

Springer Science & Business Media Ice Cream, 7th Edition focuses on the science and technology of frozen dessert production and quality. It explores the entire scope of the ice cream and frozen dessert industry, from the chemical, physical, engineering and biological principles of the production process to the distribution of the finished product. It is intended for industry personnel from large to small scale processors and suppliers to the industry and for teachers and students in dairy or food science or related disciplines. While it is technical in scope, it also covers much practical knowledge useful to anyone with an interest in frozen dessert production. World-wide production and consumption data, global regulations and, as appropriate, both SI and US units are provided, so as to ensure its relevance to the global frozen dessert industry. This edition has been completely revised from the previous edition, updating technical information on ingredients and equipment and providing the latest research results. Two new chapters on ice cream structure and shelf-life have been added, and much material has been rearranged to improve its presentation. Outstanding in its breadth, depth and coherence, Ice Cream, 7th Edition continues its long tradition as the definitive and authoritative resource for ice cream and frozen dessert producers.

INTRODUCTION TO 3+1 NUMERICAL RELATIVITY

OUP Oxford This book introduces the modern field of 3+1 numerical relativity. The book has been written in a way as to be as self-contained as possible, and only assumes a basic knowledge of special relativity. Starting from a brief introduction to general relativity, it discusses the different concepts and tools necessary for the fully consistent numerical simulation of relativistic astrophysical systems, with strong and dynamical gravitational fields. Among the topics discussed in detail are the following: the initial data problem, hyperbolic reductions of the field equations, gauge conditions, the evolution of black hole space-times, relativistic hydrodynamics, gravitational wave extraction and numerical methods. There is also a final chapter with examples of some simple numerical space-times. The book is aimed at both graduate students and researchers in physics and astrophysics, and at those interested in relativistic astrophysics.