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The Resistance of Ships Smith's Elements of Soil Mechanics
Smith's Elements of Soil Mechanics John Wiley & Sons

Electrical Installation Guide American Mathematical Society,
Mathematical Sciences Research Institute

The four hundred marks reproduced in this book represent the diverse array of identity work produced by Pentagram's partners, past and present, since the company was founded in 1972. Over the past four decades, Pentagram has designed marks for large corporations and small businesses, government agencies and non-profit institutions, clubs and societies, and even individuals, all of whom were seeking a representative symbol to appear on letterhead and books, buildings and websites, and everywhere else imaginable. Previously only distributed in a limited edition, this invaluable book is now made available in a paperback version and will provide inspiration for all graphic designers working on identity projects.

Pentagram Marks Alpha Edition

The DSST Subject Standardized Tests are comprehensive college and graduate level examinations given by the Armed Forces, colleges and graduate schools. These exams enable students to earn college credit for what they have learned through self-study, on the job, or by other non-traditional means. The DSST Physical Science Passbook® prepares candidates for the DSST exam, which enables schools to award credit for knowledge acquired outside the normal classroom environment. It provides a series of informational texts as well as hundreds of questions and answers in the areas that will likely be covered on your upcoming exam, including but not limited to: physics; electricity and magnetism; matter; chemical reactions; atomic structure; and more.

The New Faculty Member Academic Press

Hydrodynamics of High-Speed Marine Vehicles, first published in 2006, discusses the three main categories of high-speed marine vehicles - vessels supported by submerged hulls, air cushions or foils. The wave environment, resistance, propulsion, seakeeping, sea loads and manoeuvring are extensively covered based on rational and simplified methods. Links to automatic control and structural mechanics are emphasized. A detailed description of waterjet propulsion is given and the effect of water depth on wash, resistance, sinkage and trim is discussed. Chapter topics include resistance and wash; slamming; air cushion-supported vessels, including a detailed discussion of wave-excited resonant oscillations in air cushion; and hydrofoil vessels. The book contains numerous illustrations, examples and exercises.

Teaching at Its Best Cambridge University Press

This book focuses on modeling the anomalous diffusion phenomena, being ubiquitous in the natural world. Both the microscopic models (stochastic processes) and macroscopic models (partial differential equations) have been built up. The relationships between the two kinds of models are clarified, and based on these models, some statistical observables are analyzed. From statistics to mathematics, the built models show their power with their associated applications. This book is important for students to develop basic skills to be able to succeed in their future research. In addition to introducing the related models or methods, it also provides the corresponding applications and simulation results, which will attract more readers ranging from mathematicians to physicists or chemists, to name a few.

CIMA Official Learning System Fundamentals of Business Mathematics Schneider Electric

Authored by a team of acknowledged experts, this book presents a multidisciplinary view of the

state of the art in the field of actuators. The goal of the book is to provide a comprehensive overview of the properties, applications, and potential applications of traditional and unconventional actuators, together with their corresponding power electronics. Special attention is paid to the objective assessment of competing actuator principles. The book is written primarily for designers and engineers in research and development, but will also be valuable as a textbook for students of automation engineering, mechatronics and adaptronics.

Micromechatronics Cambridge University Press

CIMA Official Learning Systems are the only coursebooks recommended by CIMA. Written by a team of experts that include past and present CIMA examiners and markers, they contain everything you need to know. Each book maps to the syllabus chapter by chapter to help you learn effectively and reinforce learning with features including: - comprehensive coverage of the whole syllabus - step by step coverage directly linked to CIMA's Learning Outcomes - up to date examples and case studies - practice questions to test knowledge and understanding - integrated readings to increase understanding of key theories - colour used throughout to highlight key learning points * The Official Learning systems are the only study materials endorsed by CIMA * Key sections written by former examiners for the most accurate, up-to-date guidance towards exam success * Complete integrated package incorporating syllabus guidance, full text, recommended articles, revision guides and extensive question practice

The Plant Alkaloids Xlibris Corporation

Surveys the selection, design, and operation of most of the industrially important separation processes. Discusses the underlying principles on which the processes are based, and provides illustrative examples of the use of the processes in a modern context. Features thorough treatment of newer separation processes based on membranes, adsorption, chromatography, ion exchange, and chemical complexation. Includes a review of historically important separation processes such as distillation, absorption, extraction, leaching, and crystallization and considers these techniques in light of recent developments affecting them.

Ship Resistance and Propulsion Elsevier

The author presents a basic introduction to the world of genetic engineering. Copyright © Libri GmbH. All rights reserved.

Code of practice for site investigations John Wiley & Sons

The majority of professors have never had a formal course in education, and the most common method for learning how to teach is on-the-job training. This represents a challenge for disciplines with ever more complex subject matter, and a lost opportunity when new active learning approaches to education are yielding dramatic improvements in student learning and retention. This book aims to cover all aspects of teaching engineering and other technical subjects. It presents both practical matters and educational theories in a format useful for both new and experienced teachers. It is organized to start with specific, practical teaching applications and then leads to psychological and educational theories. The "practical orientation" section explains how to develop objectives and then use them to enhance student learning, and the "theoretical orientation" section discusses the theoretical basis for learning/teaching and its impact on students. Written mainly for PhD students and professors in all areas of engineering, the book may be used as a text for graduate-level classes and professional workshops or by professionals who wish to read it on their own. Although the focus is engineering education, most of this book will be useful to teachers in other disciplines. Teaching is a complex human activity, so it is impossible to develop a formula that guarantees it will be excellent. However, the methods in this book will help all professors become good teachers while spending less time preparing for the classroom. This is a new edition of the well-received volume published by McGraw-Hill in 1993. It includes an entirely revised section on the Accreditation Board for Engineering and Technology (ABET) and new sections on the characteristics of great teachers, different active learning methods, the application of technology in the classroom (from clickers to intelligent tutorial systems), and how people learn.

Bears Cambridge University Press

Bears are one of the few animals that can stand up or walk on two feet. They do this to reach food or to scare off predators. Learn more in Bears, one of the titles in the Animals of North America series.

Engineering Fluid Mechanics Solution Manual Purdue University Press

Digital Design provides a modern approach to learning the increasingly important topic of digital systems design. The text's focus on register-transfer-level design and present-day applications not only leads to a better appreciation of computers and of today's ubiquitous digital devices, but also provides for a better understanding of careers involving digital design and embedded system design. 1. Introduction 2. Combinational Logic Design 3. Sequential Logic Design - Controllers 4. Datapath Components 5. Register-Transfer Level (RTL) Design 6. Optimizations and Tradeoffs 7. Physical Implementation 8. Programmable Processors 9. Hardware Description Languages
Modeling With Mathematics Springer Science & Business Media

Grid-Scale Energy Storage Systems and Applications provides a timely introduction to state-of-the-art technologies and important demonstration projects in this rapidly developing field. Written with a view to real-world applications, the authors describe storage technologies and then cover operation and control, system integration and battery management, and other topics important in the design of these storage systems. The rapidly-developing area of electrochemical energy storage technology and its implementation in the power grid is covered in particular detail. Examples of Chinese pilot projects in new energy grids and micro grids are also included. Drawing on significant Chinese results in this area, but also including data from abroad, this will be a valuable reference on the development of grid-scale energy storage for engineers and scientists in power and energy transmission and researchers in academia. Addresses not only the available energy storage technologies, but also topics significant for storage system designers, such as technology management, operation and control, system integration and economic assessment Draws on the wealth of Chinese research into energy storage and describes important Chinese energy storage demonstration projects Provides practical examples of the application of energy storage technologies that can be used by engineers as references when designing new systems

Physical Science Pearson College Division

Leading phenomena of the wave-making resistance of ships.

Chemical Reaction Engineering Elsevier

Chemical reaction engineering is concerned with the exploitation of chemical reactions on a commercial scale. Its goal is the successful design and operation of chemical reactors. This text emphasizes qualitative arguments, simple design methods, graphical procedures, and frequent comparison of capabilities of the major reactor types. Simple ideas are treated first, and are then extended to the more complex.

Structural Analysis Artech House Publishers

Focusing on recent developments in engineering science, enabling hardware, advanced technologies, and software, Micromechatronics: Modeling, Analysis, and Design with MATLAB, Second Edition provides clear, comprehensive coverage of mechatronic and electromechanical systems. It applies cornerstone fundamentals to the design of electromechanical systems
Mathematics via Problems Springer Science & Business Media

This book is a translation from Russian of Part I of the book Mathematics Through Problems: From Olympiads and Math Circles to Profession. The other two parts, Geometry and Combinatorics, will be published soon. The main goal of this book is to develop important parts of mathematics through problems. The author tries to put together sequences of problems that allow high school students (and some undergraduates) with strong interest in mathematics to discover and recreate much of elementary mathematics and start edging into the sophisticated world of topics such as group theory, Galois theory, and so on, thus building a bridge (by showing that there is no gap) between standard high school exercises and more intricate and abstract concepts in mathematics. Definitions and/or references for material that is not standard in the school curriculum are included. However, many topics in the book are difficult when you start learning them from scratch. To help with this, problems are carefully arranged to provide gradual introduction into each subject. Problems are often accompanied by hints and/or complete solutions The book is based on classes taught by the author at different times at the Independent University of Moscow, at a number of Moscow schools and math circles, and at various summer schools. It can be used by high school students and undergraduates, their teachers, and organizers of summer camps and math circles. In the interest of fostering a greater awareness and appreciation of mathematics and its connections to other disciplines and everyday life, MSRI and the AMS are publishing books in the Mathematical Circles Library series as a service to young people, their parents and teachers, and the mathematics profession.

Smart Structures and Materials World Scientific

Technical introduction to ship propeller hydrodynamics, for researchers in ocean technology, naval architecture, mechanical engineering.

Elementary Principles of Chemical Processes, 3rd Edition 2005 Edition Integrated Media and Study Tools, with Student Workbook John Wiley & Sons

A neobaroque novel that immerses the reader in a bedazzling and surrealistic vortex where a search for an idealized goal often turns into a mirage. The four protagonists, Li-Tzu, Candy Slice, Dhalia Meanor and Adela Carroza anxiously await the arrival of Mr. Ioso, the Greek who will fulfill their dreams. It is during this anxious wait that they recount the story of their turbulent lives which are often distorted by desire, ambition and revenge. (Spanish) Una novela neobarroca que sumerge al lector en un vórtice espejeante y surrealista, donde la búsqueda de una meta idealizada con frecuencia se convierte en un espejismo. Las cuatro protagonistas, Li-Tzu, Candy Slice, Dhalia Meanor y Adela Carroza ansiosamente aguardan la llegada de Mr. Ioso, el griego que completará sus sueños. Es durante esta ansiosa espera que cuentan la historia de sus vidas turbulentas, casi siempre distorsionadas por el deseo, la ambición o la venganza.

Grid-Scale Energy Storage Systems and Applications Jossey-Bass

This book has been considered by academicians and scholars of great significance and value to literature. This forms a part of the knowledge base for future generations. So that the book is never forgotten we have represented this book in a print format as the same form as it was originally first published. Hence any marks or annotations seen are left intentionally to preserve its true nature.