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Deep LearningStock GuideOil and Gas Production Handbook: An Introduction to Oil and Gas ProductionMonthly Index of Russian AccessionsBoatingWorld Social Report 2020Search EnginesClimate Change and WaterProducts and PrioritiesCleaner CombustionCombustion Engines DevelopmentVietnam 2035Boat Owners ManualShipping World & ShipbuilderMotorBoatingTwo-Phase Flow for Automotive and Power Generation SectorsBoatingThomas Register of American Manufacturers and Thomas Register Catalog FileWorld Business DirectoryMonthly List of Russian AccessionsHuman Development Report 2016Automotive Industries, the AutomobileFundamental NeuroscienceBoatingLakeland BoatingIterative Methods for Sparse Linear SystemsRules of Thumb for Mechanical EngineersBoatingSecurity Owner's Stock GuideAutomotive IndustriesThe EngineerAdvanced Intelligent Systems for Sustainable Development (AI2SD'2018)Vehicle Powertrain SystemsIBM Technical Computing CloudsSubject CatalogClimate InterventionScientific AmericanAdvanced Environmental MonitoringThe A-Series EngineEnglish Mechanics and the World of Science

Deep Learning

Stock Guide

Oil and Gas Production Handbook: An Introduction to Oil and Gas Production

This IBM® Redbooks® publication highlights IBM Technical Computing as a flexible infrastructure for clients looking to reduce capital and operational expenditures, optimize energy usage, or re-use the infrastructure. This book strengthens IBM SmartCloud® solutions, in particular IBM Technical Computing clouds, with a well-defined and documented deployment model within an IBM System x® or an IBM Flex SystemTM. This provides clients with a cost-effective, highly scalable, robust solution with a planned foundation for scaling, capacity, resilience, optimization, automation, and monitoring. This book is targeted toward technical professionals (consultants, technical support staff, IT Architects, and IT Specialists) responsible for providing cloud-computing solutions and support.

Monthly Index of Russian Accessions

This report examines the links between inequality and other major global trends (or megatrends), with a focus on technological change, climate change,

urbanization and international migration. The analysis pays particular attention to poverty and labour market trends, as they mediate the distributional impacts of the major trends selected. It also provides policy recommendations to manage these megatrends in an equitable manner and considers the policy implications, so as to reduce inequalities and support their implementation.

Boating

Monthly magazine devoted to topics of general scientific interest.

World Social Report 2020

Search Engines

This overview compiles the on-going research in Europe to enlarge and deepen the understanding of the reaction mechanisms and pathways associated with the combustion of an increased range of fuels. Focus is given to the formation of a large number of hazardous minor pollutants and the inability of current combustion models to predict the formation of minor products such as alkenes, dienes, aromatics, aldehydes and soot nano-particles which have a deleterious impact on

both the environment and on human health. Cleaner Combustion describes, at a fundamental level, the reactive chemistry of minor pollutants within extensively validated detailed mechanisms for traditional fuels, but also innovative surrogates, describing the complex chemistry of new environmentally important bio-fuels. Divided into five sections, a broad yet detailed coverage of related research is provided. Beginning with the development of detailed kinetic mechanisms, chapters go on to explore techniques to obtain reliable experimental data, soot and polycyclic aromatic hydrocarbons, mechanism reduction and uncertainty analysis, and elementary reactions. This comprehensive coverage of current research provides a solid foundation for researchers, managers, policy makers and industry operators working in or developing this innovative and globally relevant field.

Climate Change and Water

Products and Priorities

This short paperback gives a wealth of information on small boats and their safe operation.

Cleaner Combustion

Combustion Engines Development

Vietnam 2035

The Technical Paper addresses the issue of freshwater. Sealevel rise is dealt with only insofar as it can lead to impacts on freshwater in coastal areas and beyond. Climate, freshwater, biophysical and socio-economic systems are interconnected in complex ways. Hence, a change in any one of these can induce a change in any other. Freshwater-related issues are critical in determining key regional and sectoral vulnerabilities. Therefore, the relationship between climate change and freshwater resources is of primary concern to human society and also has implications for all living species. -- page vii.

Boat Owners Manual

This book focuses on the two-phase flow problems relevant in the automotive and power generation sectors. It includes fundamental studies on liquid–gas two-phase

interactions, nucleate and film boiling, condensation, cavitation, suspension flows as well as the latest developments in the field of two-phase problems pertaining to power generation systems. It also discusses the latest analytical, numerical and experimental techniques for investigating the role of two-phase flows in performance analysis of devices like combustion engines, gas turbines, nuclear reactors and fuel cells. The wide scope of applications of this topic makes this book of interest to researchers and professionals alike.

Shipping World & Shipbuilder

MotorBoating

Two-Phase Flow for Automotive and Power Generation Sectors

The growing problem of changing environmental conditions caused by climate destabilization is well recognized as one of the defining issues of our time. The root problem is greenhouse gas emissions, and the fundamental solution is curbing those emissions. Climate geoengineering has often been considered to be a "last-ditch" response to climate change, to be used only if climate change damage

should produce extreme hardship. Although the likelihood of eventually needing to resort to these efforts grows with every year of inaction on emissions control, there is a lack of information on these ways of potentially intervening in the climate system. As one of a two-book report, this volume of Climate Intervention discusses albedo modification - changing the fraction of incoming solar radiation that reaches the surface. This approach would deliberately modify the energy budget of Earth to produce a cooling designed to compensate for some of the effects of warming associated with greenhouse gas increases. The prospect of large-scale albedo modification raises political and governance issues at national and global levels, as well as ethical concerns. Climate Intervention: Reflecting Sunlight to Cool Earth discusses some of the social, political, and legal issues surrounding these proposed techniques. It is far easier to modify Earth's albedo than to determine whether it should be done or what the consequences might be of such an action. One serious concern is that such an action could be unilaterally undertaken by a small nation or smaller entity for its own benefit without international sanction and regardless of international consequences. Transparency in discussing this subject is critical. In the spirit of that transparency, Climate Intervention: Reflecting Sunlight to Cool Earth was based on peer-reviewed literature and the judgments of the authoring committee; no new research was done as part of this study and all data and information used are from entirely open sources. By helping to bring light to this topic area, this book will help leaders to be far more knowledgeable about the consequences of albedo modification approaches before they face a decision

whether or not to use them.

Boating

Vols. for 1970-71 includes manufacturers' catalogs.

Thomas Register of American Manufacturers and Thomas Register Catalog File

World Business Directory

Fundamental Neuroscience, 3rd Edition introduces graduate and upper-level undergraduate students to the full range of contemporary neuroscience. Addressing instructor and student feedback on the previous edition, all of the chapters are rewritten to make this book more concise and student-friendly than ever before. Each chapter is once again heavily illustrated and provides clinical boxes describing experiments, disorders, and methodological approaches and concepts. Capturing the promise and excitement of this fast-moving field, Fundamental Neuroscience, 3rd Edition is the text that students will be able to reference throughout their neuroscience careers! New to this edition: 30% new

material including new chapters on Dendritic Development and Spine Morphogenesis, Chemical Senses, Cerebellum, Eye Movements, Circadian Timing, Sleep and Dreaming, and Consciousness Additional text boxes describing key experiments, disorders, methods, and concepts Multiple model system coverage beyond rats, mice, and monkeys Extensively expanded index for easier referencing

Monthly List of Russian Accessions

This book deals with recent developments and applications of environmental monitoring technologies, with emphasis on rapidly progressing optical and biological methods. Written by worldwide experts, this book will be of interest to environmental scientists in academia, research institutes, industry and the government.

Human Development Report 2016

Built from 1951 to 2000, BMC's A-Series engine was a remarkably successful, versatile and invaluable power unit that far outlived its original projected life. Not only did it power road cars as varied as the Austin A30, the Mini and the MG Midget, but it also found use in world-class race and rally cars, record-breaking special machines, light commercial vehicles and even tractors. This fascinating

illustrated book chronicles the full history and achievements of this remarkable engine, nearly 15 million of which were made.

Automotive Industries, the Automobile

The powertrain is at the heart of vehicle design; the engine – whether it is a conventional, hybrid or electric design – provides the motive power, which is then managed and controlled through the transmission and final drive components. The overall powertrain system therefore defines the dynamic performance and character of the vehicle. The design of the powertrain has conventionally been tackled by analyzing each of the subsystems individually and the individual components, for example, engine, transmission and driveline have received considerable attention in textbooks over the past decades. The key theme of this book is to take a systems approach – to look at the integration of the components so that the whole powertrain system meets the demands of overall energy efficiency and good drivability. Vehicle Powertrain Systems provides a thorough description and analysis of all the powertrain components and then treats them together so that the overall performance of the vehicle can be understood and calculated. The text is well supported by practical problems and worked examples. Extensive use is made of the MATLAB(R) software and many example programmes for vehicle calculations are provided in the text. Key features: Structured approach to explaining the fundamentals of powertrain engineering Integration of powertrain

components into overall vehicle design Emphasis on practical vehicle design issues Extensive use of practical problems and worked examples Provision of MATLAB(R) programmes for the reader to use in vehicle performance calculations This comprehensive and integrated analysis of vehicle powertrain engineering provides an invaluable resource for undergraduate and postgraduate automotive engineering students and is a useful reference for practicing engineers in the vehicle industry

Fundamental Neuroscience

Boating

Mathematics of Computing -- General.

Lakeland Boating

Iterative Methods for Sparse Linear Systems

This is the eBook of the printed book and may not include any media, website

access codes, or print supplements that may come packaged with the bound book. Search Engines: Information Retrieval in Practice is ideal for introductory information retrieval courses at the undergraduate and graduate level in computer science, information science and computer engineering departments. It is also a valuable tool for search engine and information retrieval professionals. Written by a leader in the field of information retrieval, Search Engines: Information Retrieval in Practice , is designed to give undergraduate students the understanding and tools they need to evaluate, compare and modify search engines. Coverage of the underlying IR and mathematical models reinforce key concepts. The book's numerous programming exercises make extensive use of Galago, a Java-based open source search engine.

Rules of Thumb for Mechanical Engineers

This report focuses on how human development can be ensured for everyone, now and in future. It starts with an account of the hopes and challenges of today's world, envisioning where humanity wants to go. This vision draws from and builds on the 2030 Agenda and the Sustainable Development Goals. It explores who has been left behind in human development progress and why. It argues that to ensure that human development reaches everyone, some aspects of the human development framework and assessment perspectives have to be brought to the fore. The Report also identifies the national policies and key strategies to ensure

that will enable every human being achieve at least basic human development and to sustain and protect the gains.

Boating

Security Owner's Stock Guide

Automotive Industries

This book gathers papers presented at the International Conference on Advanced Intelligent Systems for Sustainable Development (AI2SD-2018), which was held in Tangiers, Morocco on 12–14 July 2018. It highlights how advanced intelligent systems have successfully been used to develop tools and techniques for modeling, prediction and decision support in connection with the environment. Though chiefly intended for researchers and practitioners in advanced intelligent systems for sustainable development, the book will also be of interest to those working in environment and the Internet of Things, environment and big data analysis, summarization, prediction, remote sensing & geo-information, geophysics, marine and coastal environments, and sensor networks for

environment services.

The Engineer

An introduction to a broad range of topics in deep learning, covering mathematical and conceptual background, deep learning techniques used in industry, and research perspectives. "Written by three experts in the field, Deep Learning is the only comprehensive book on the subject." —Elon Musk, cochair of OpenAI; cofounder and CEO of Tesla and SpaceX Deep learning is a form of machine learning that enables computers to learn from experience and understand the world in terms of a hierarchy of concepts. Because the computer gathers knowledge from experience, there is no need for a human computer operator to formally specify all the knowledge that the computer needs. The hierarchy of concepts allows the computer to learn complicated concepts by building them out of simpler ones; a graph of these hierarchies would be many layers deep. This book introduces a broad range of topics in deep learning. The text offers mathematical and conceptual background, covering relevant concepts in linear algebra, probability theory and information theory, numerical computation, and machine learning. It describes deep learning techniques used by practitioners in industry, including deep feedforward networks, regularization, optimization algorithms, convolutional networks, sequence modeling, and practical methodology; and it surveys such applications as natural language processing,

speech recognition, computer vision, online recommendation systems, bioinformatics, and videogames. Finally, the book offers research perspectives, covering such theoretical topics as linear factor models, autoencoders, representation learning, structured probabilistic models, Monte Carlo methods, the partition function, approximate inference, and deep generative models. Deep Learning can be used by undergraduate or graduate students planning careers in either industry or research, and by software engineers who want to begin using deep learning in their products or platforms. A website offers supplementary material for both readers and instructors.

Advanced Intelligent Systems for Sustainable Development (AI2SD'2018)

Thirty years of Ä?á»•i Má»›i (economic renovation) reforms have catapulted Vietnam from the ranks of the world's poorest countries to one of its great development success stories. Critical ingredients have been visionary leaders, a sense of shared societal purpose, and a focus on the future. Starting in the late 1980s, these elements were successfully fused with the embrace of markets and the global economy. Economic growth since then has been rapid, stable, and inclusive, translating into strong welfare gains for the vast majority of the population. But three decades of success from reforms raises expectations for the

future, as aptly captured in the Vietnamese constitution, which sets the goal of "a prosperous people and a strong, democratic, equitable, and civilized country.†? There is a firm aspiration that by 2035, Vietnam will be a modern and industrialized nation moving toward becoming a prosperous, creative, equitable, and democratic society. The Vietnam 2035 report, a joint undertaking of the Government of Vietnam and the World Bank Group, seeks to better comprehend the challenges and opportunities that lie ahead. It shows that the country's aspirations and the supporting policy and institutional agenda stand on three pillars: balancing economic prosperity with environmental sustainability; promoting equity and social inclusion to develop a harmonious middle- class society; and enhancing the capacity and accountability of the state to establish a rule of law state and a democratic society. Vietnam 2035 further argues that the rapid growth needed to achieve the bold aspirations will be sustained only if it stands on faster productivity growth and reflects the costs of environmental degradation. Productivity growth, in turn, will benefit from measures to enhance the competitiveness of domestic enterprises, scale up the benefits of urban agglomeration, and build national technological and innovative capacity. Maintaining the record on equity and social inclusion will require lifting marginalized groups and delivering services to an aging and urbanizing middle-class society. And to fulfill the country's aspirations, the institutions of governance will need to become modern, transparent, and fully rooted in the rule of law.

Vehicle Powertrain Systems

IBM Technical Computing Clouds

Fluids -- Heat transfer -- Thermodynamics -- Mechanical seals -- Pumps and compressors -- Drivers -- Gears -- Bearings -- Piping and pressure vessels -- Tribology -- Vibration -- Materials -- Stress and strain -- Fatigue -- Instrumentation -- Engineering economics.

Subject Catalog

Combustion Engines Development nowadays is based on simulation, not only of the transient reaction of vehicles or of the complete driveshaft, but also of the highly unsteady processes in the carburation process and the combustion chamber of an engine. Different physical and chemical approaches are described to show the potentials and limits of the models used for simulation.

Climate Intervention

Scientific American

Advanced Environmental Monitoring

The A-Series Engine

English Mechanics and the World of Science

ROMANCE ACTION & ADVENTURE MYSTERY & THRILLER BIOGRAPHIES & HISTORY CHILDREN'S YOUNG ADULT FANTASY HISTORICAL FICTION HORROR LITERARY FICTION NON-FICTION SCIENCE FICTION