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What does writing Greek books mean at the height of the Cinquecento in Venice? The present volume provides fascinating insights into Greek-language book production at a time when printed books were already at a rather advanced stage of development with regards to requests, purchases and exchanges of books; copying and borrowing practices; relations among intellectuals and with institutions, and much more. Based on the investigation

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into selected institutional and private libraries - in particular the book collection of Gabriel Severos, guide of the Greek Confraternity in Venice - the authors present new pertinent evidence from Renaissance books and documents, discuss methodological questions, and propose innovative research perspectives for a sociocultural approach to book histories.

This book provides senior undergraduates who are already familiar with inviscid fluid dynamics with some of the basic facts about the modelling and analysis of viscous flows. With the appearance and fast evolution of

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high performance materials, mechanical, chemical and process engineers cannot perform effectively without fluid processing knowledge. The purpose of this book is to explore the systematic application of basic engineering principles to fluid flows that may occur in fluid processing and related activities. In *Viscous Fluid Flow*, the authors develop and rationalize the mathematics behind the study of fluid mechanics and examine the flows of Newtonian fluids. Although the material deals with Newtonian fluids, the concepts can be easily generalized to non-Newtonian fluid mechanics.

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The book contains many examples. Each chapter is accompanied by problems where the chapter theory can be applied to produce characteristic results. Fluid mechanics is a fundamental and essential element of advanced research, even for those working in different areas, because the principles, the equations, the analytical, computational and experimental means, and the purpose are common.

This book gathers the best articles presented by researchers and industrial experts at the International Conference on “Innovative Design and Development Practices in Aerospace

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and Automotive Engineering (I-DAD 2018)". The papers discuss new design concepts, analysis and manufacturing technologies, with an emphasis on achieving improved performance by downsizing; improving the weight-to-strength ratio, fuel efficiency, and operational capability at room and elevated temperatures; reducing wear and tear; and addressing NVH aspects, while balancing the challenges of Euro IV/Barat Stage IV emission norms and beyond, greenhouse effects, and recyclable materials. The innovative methods discussed here offer valuable reference material for educational and research organizations, as

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well as industry, encouraging them to pursue challenging projects of mutual interest.

Gas Dynamics

Numerical Simulations

Semi-solid Processing of Alloys

American Book Publishing Record

High Integrity Die Casting Processes

Modern day high-performance computers are making available to 21st-century scientists solutions to rheological flow problems of ever-increasing complexity. Computational rheology is a fast-moving subject – problems which only 10 years ago were intractable, such as 3D transient flows of polymeric

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liquids, non-isothermal non-Newtonian flows or flows of highly elastic liquids through complex geometries, are now being tackled owing to the availability of parallel computers, adaptive methods and advances in constitutive modelling. Computational Rheology traces the development of numerical methods for non-Newtonian flows from the late 1960's to the present day. It begins with broad coverage of non-Newtonian fluids, including their mathematical modelling and analysis, before specific computational techniques are discussed. The application of these techniques to some important rheological flow

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problems of academic and industrial interest is then treated in a detailed and up-to-date exposition. Finally, the reader is kept abreast of topics at the cutting edge of research in computational applied mathematics, such as adaptivity and stochastic partial differential equations. All the topics in this book are dealt with from an elementary level and this makes the text suitable for advanced undergraduate and graduate students, as well as experienced researchers from both the academic and industrial communities.

This edition of a very successful and widely

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adopted book has been brought up-to-date with computer methods and applications throughout. It makes use of spreadsheet programs, and contains unique procedures that have never appeared before in any gas dynamics book. KEY TOPICS Chapter topics include basic equations of compressible flow., wave propagation in compressible media, isentropic flow of a perfect gas, stationary and moving normal shock waves, oblique shock waves, flow with friction and with heat addition or heat loss, equations of motion for multidimensional flow, methods of characteristics, special topics in gas dynamics, and measurement in

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compressible flow. MARKET: For mechanical and aerospace engineers.

Comprehensive account of fluid dynamics, covering basic principles and advanced topics.

This book provides a comprehensive and wide-ranging introduction to fluid mechanics, assuming only a basic knowledge of calculus and physics. Introduces fluid mechanics within the context of a broad range of topics and disciplines by combining elements and concepts from different disciplines as is often found in solutions to engineering problems. The book integrates a discussion of

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fluid flow phenomena with that of other subjects, such as Solid Mechanics, Heat Transfer, Thermodynamics, and others. It also includes discussions of other fields of specialization often used to solve engineering problems, such as chemistry, biology, economics, sociology, and others. And, it integrates the use of computers and modern experimental techniques. The first edition of Introduction to Fluid Mechanics provides a unique thematic organization and divides the material into three sections: Theory. This section is divided into four categories: Introduction, Conservation Laws,

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Fluid Kinematics, and Fluid Dynamics. Analysis. In this section, procedures such as Dimensionless Analysis, Analytics, Experimental and Numerical Solutions are introduced and applied to fundamental problems. Special Topics. Topics such as ideal, inviscid flow, compressible flow, and dynamics of rotating fluids are reserved for separate chapters. The book also introduces ideas from computational and experimental fluid mechanics. An essential reference for all engineering professionals. Problems and Solutions in Structural Geology and Tectonics

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*Noise and Vibration Mitigation for Rail
Transportation Systems*

*Physics-Compatible Finite Element Methods for
Scalar and Tensorial Advection Problems*

*Pemeliharaan Kelistrikan Kendaraan Ringan
Kelas XII: Program Keahlian Teknik Otomotif.
Kompetensi Keahlian Teknik Kendaraan Ringan
Otomotif*

Principles of Fluid Mechanics

***Fluid mechanics is the study of how fluids behave
and interact under various forces and in various
applied situations, whether in liquid or gas state or
both. The author of Advanced Fluid Mechanics***

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compiles pertinent information that are introduced in the more advanced classes at the senior level and at the graduate level. "Advanced Fluid Mechanics courses typically cover a variety of topics involving fluids in various multiple states (phases), with both elastic and non-elastic qualities, and flowing in complex ways. This new text will integrate both the simple stages of fluid mechanics ("Fundamentals) with those involving more complex parameters, including Inviscid Flow in multi-dimensions, Viscous Flow and Turbulence, and a succinct introduction to Computational Fluid Dynamics. It will offer

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exceptional pedagogy, for both classroom use and self-instruction, including many worked-out examples, end-of-chapter problems, and actual computer programs that can be used to reinforce theory with real-world applications. Professional engineers as well as Physicists and Chemists working in the analysis of fluid behavior in complex systems will find the contents of this book useful. All manufacturing companies involved in any sort of systems that encompass fluids and fluid flow analysis (e.g., heat exchangers, air conditioning and refrigeration, chemical processes, etc.) or energy

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generation (steam boilers, turbines and internal combustion engines, jet propulsion systems, etc.), or fluid systems and fluid power (e.g., hydraulics, piping systems, and so on) will reap the benefits of this text. Offers detailed derivation of fundamental equations for better comprehension of more advanced mathematical analysis Provides groundwork for more advanced topics on boundary layer analysis, unsteady flow, turbulent modeling, and computational fluid dynamics Includes worked-out examples and end-of-chapter problems as well as a companion web site with sample computational

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programs and Solutions Manual

A detailed look at some of the more modern issues of hydrodynamic stability, including transient growth, eigenvalue spectra, secondary instability. It presents analytical results and numerical simulations, linear and selected nonlinear stability methods. By including classical results as well as recent developments in the field of hydrodynamic stability and transition, the book can be used as a textbook for an introductory, graduate-level course in stability theory or for a special-topics fluids course. It is equally of value as a reference for researchers in the

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field of hydrodynamic stability theory or with an interest in recent developments in fluid dynamics. Stability theory has seen a rapid development over the past decade, this book includes such new developments as direct numerical simulations of transition to turbulence and linear analysis based on the initial-value problem.

This Open access book offers updated and revised information on vessel health and preservation (VHP), a model concept first published in poster form in 2008 and in JVA in 2012, which has received a great deal of attention, especially in the US, UK and

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Australia. The book presents a model and a new way of thinking applied to vascular access and administration of intravenous treatment, and shows how establishing and maintaining a route of access to the bloodstream is essential for patients in acute care today. Until now, little thought has been given to an intentional process to guide selection, insertion and management of vascular access devices (VADs) and by default actions are based on crisis management when a quickly selected VAD fails. The book details how VHP establishes a framework or pathway model for each step of the patient

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experience, intentionally guiding, improving and eliminating risk when possible. The evidence points to the fact that reducing fragmentation, establishing a pathway, and teaching the process to all stakeholders reduces complications with intravenous therapy, improves efficiency and diminishes cost. As such this book appeals to bedside nurses, physicians and other health professionals.

Since most of the problems arising in science and engineering are nonlinear, they are inherently difficult to solve. Traditional analytical approximations are valid only for weakly nonlinear

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problems and often fail when used for problems with strong nonlinearity. "Nonlinear Flow Phenomena and Homotopy Analysis: Fluid Flow and Heat Transfer" presents the current theoretical developments of the analytical method of homotopy analysis. This book not only addresses the theoretical framework for the method, but also gives a number of examples of nonlinear problems that have been solved by means of the homotopy analysis method. The particular focus lies on fluid flow problems governed by nonlinear differential equations. This book is intended for researchers in

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applied mathematics, physics, mechanics and engineering. Both Kuppalapalle Vajravelu and Robert A. Van Gorder work at the University of Central Florida, USA.

Principles and Applications

FLUID MECHANICS FUNDAMENTALS AND APPLICATIONS

Fluid Dynamics for Physicists

Encyclopedia of Physical Science and Technology

Stability and Transition in Shear Flows

Equips students with the essential knowledge, skills, and confidence to solve real-world heat transfer

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problems using EES, MATLAB, and FEHT.

Frank Handle □ 1.1 What to Expect For some time now, I have been toying around with the idea of writing a book about □Ceramic Extrusion□, because to my amazement I have been unable to locate a single existing, comprehensive rundown on the subject □ much in contrast to, say, plastic extrusion and despite the fact that there are some outstanding contributions to be found about certain, individual topics, such as those in textbooks by Reed [1], Krause [2], Bender/Handle □ [3] et al. By way of analogy to Woody Allen□s wonderfully ironic movie

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entitled "Everything You Always Wanted to Know about Sex", I originally intended to call this book "Everything You Always Wanted to Know about Ceramic Extrusion", but - ter giving it some extra thought, I eventually decided on a somewhat soberer title. Nevertheless, my companion writers and I have done our best - considering our target group and their motives - not to revert to the kind of jargon that people use when they think the less understandable it sounds, the more scientific it appears. This book addresses all those who are looking for a lot or a little general or selective information about ceramic

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extrusion and its sundry aspects. We realize that most of our readers will not be perusing this book just for fun or out of intellectual curiosity, but because they hope to get some use out of it for their own endeavours.

In this book, we shall consider the kinematics and dynamics of the flows of fluids exhibiting a yield stress. To highlight the principal characteristics of such fluids, the first chapter emphasizes the role played by the yield stress. Next, a careful description of the continuum mechanics behind the constitutive equations for incompressible and compressible

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viscoplastic fluids is given in Chapters 2–4. In Chapters 5 and 6 analytical solutions to several steady and unsteady flows of Bingham fluids are presented. The subsequent Chapters 7–10 are concerned with the development of variational principles and their numerical solutions, along with perturbation methods which play a significant role in numerical simulations.

It is a long way from the first edition in 1976 to the present sixth edition in 1995. This edition is dedicated to the memory of Prof. S. P. Luthra (Once Head, Applied Mechanics Director, IIT Delhi) who

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wrote the foreword to its first edition. So many faculty members and students from different parts of the country and from abroad have accepted the text and contributed to its development. The book has been improved and updated with every edition.

Applied Mechanics Reviews

Innovative Design, Analysis and Development

Practices in Aerospace and Automotive Engineering

(I-DAD 2018)

Viscous Flow

Flow and Heat Transfer in Geothermal Systems

Journal of Nuclear Science and Technology

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"It's about time that a practicing engineer with casting and academic experience has written a book that provides answers to questions about squeeze casting and semi-solid molding/forming that many engineers and students of casting need answered." —Joseph C. Benedyk, PhD, Consultant and retired technical director, Alcoa High Integrity Die Casting Processes provides a comprehensive look at the concepts behind advanced die casting technologies, including vacuum die casting, squeeze casting, and several variants of semi-solid metalworking. Practical applications for these processes are illustrated in numerous case studies. This single-

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source reference tool presents the latest material in five sections: Basic concepts of die casting and molten metal flow High integrity die casting processes with case studies Product design considerations Controlling quality and avoiding defects Future advances under development Key coverage includes a survey of liquid metal flow, strategies to overcome the limitations of conventional die casting, and potential defects unique to high integrity die casting processes. Also featured are methods for minimizing porosity, reducing cost by design, practical applied statistical process control techniques, designing for

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manufacturability, and containment methods for potential processing defects. Several chapters present detailed real-world examples illustrating the broad range of applications possible using high integrity die casting processes. Included with this book is a CD-ROM containing PowerPoint(r) presentations for each chapter. These presentations can be used for training purposes in conjunction with numerous study questions designed to practically apply the content of the book to real-world situations. Selected PowerPoint(r) slides can be used to support engineering proposals, marketing presentations, or customer education seminars.

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High Integrity Die Casting Processes is a valuable reference for both component producers and component users alike. Process engineers, tool designers, manufacturing engineers, production managers, and machine operators will acquire a better understanding of these advanced die casting processes to optimize manufacturing and improve product quality. Component designers, product engineers, purchasing agents, buyers, supplier quality engineers, and project managers will gain insight into these processes and develop superior products by design. This book covers the fundamentals of

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biomechanics. Topics include bio solids, biofluids, stress, balance and equilibrium. Students are encouraged to contextualize principles and exercises within a “big picture” of biomechanics. This is an ideal book for undergraduate students with interests in biomedical engineering.

Semi-solid metal (SSM) processing, as a viable alternative manufacturing route to those of conventional casting and forging, has not yet been fully exploited despite nearly half a century since its introduction to the metal industry. The slow pace of adopting SSM routes may be due to various reasons, including

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capital costs, profit margins, and, most importantly, the lack of detailed analysis of various SSM processes in open literature to confidently establish their advantages over more conventional routes. Therefore, the SSM community must disseminate their findings more effectively to generate increased confidence in SSM processes in the eyes of our industrial leaders. As such, we have embarked on the task to invite the leaders in SSM research to share their findings in a Special Issue dedicated to semi-solid processing of metals and composites. SSM processing takes advantage of both forming and shaping

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characteristics usually employed for liquid and solid materials. In the absence of shear forces, the semi-solid metal has similar characteristics to solids, i.e., easily transferred and shaped; by applying a defined force, the viscosity is reduced and the material flows like a liquid. These unique dual characteristics have made SSM routes attractive alternatives to conventional casting on an industrial scale. With the intention of taking full advantage of SSM characteristics, it is crucial to understand SSM processing, including topics such as solidification and structural evolution, flow behavior through modelling and rheology, new

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processes and process control, alloy development, and properties in general. This Special Issue focuses on the recent research and findings in the field with the aim of filling the gap between industry and academia, and to shed light on some of the fundamentals of science and technology of semi-solid processing.

Problems and Solutions in Structural Geology and Tectonics, Volume 5, in the series Developments in Structural Geology and Tectonics, presents students, researchers and practitioners with an all-new set of problems and solutions that structural geologists and

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tectonics researchers commonly face. Topics covered include ductile deformation (such as strain analyses), brittle deformation (such as rock fracturing), brittle-ductile deformation, collisional and shortening tectonics, thrust-related exercises, rift and extensional tectonics, strike slip tectonics, and cross-section balancing exercises. The book provides a how-to guide for students of structural geology and geologists working in the oil, gas and mining industries. Provides practical solutions to industry-related issues, such as well bore stability Allows for self-study and includes background information and

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**explanation of research and industry jargon
Includes full color diagrams to explain 3D issues**

Viscous Fluid Flow

A Century of Ideas

Greeks, Books and Libraries in Renaissance

Venice

An Introduction to Biomechanics

**Examples and Applications in Computational
Fluid Dynamics**

The book describes the experimental techniques employed to study surfaces and interfaces. The emphasis is on the experimental method. Therefore all chapters start with an introduction of the scientific problem, the theory necessary to understand how the technique works and how to

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understand the results. Descriptions of real experimental setups, experimental results at different systems are given to show both the strength and the limits of the technique. In a final part the new developments and possible extensions of the techniques are presented. The included techniques provide microscopic as well as macroscopic information. They cover most of the techniques used in surface science.

A comprehensive guide to the theory, practice and applications of optical tweezers, combining state-of-the-art research with a strong pedagogic approach.

Semisolid metallurgy (SSM) is now some 37-years-old in terms of time from its conception and first reduction to practice in the laboratory. In the intervening years, there

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has been a steadily growing body of research on the subject and the beginning of significant industrial applications. The overall field of SSM comprises today a large number of specific process routes, almost all of which fall in the category of either "Rheocasting" or Thixotropic casting." The former begins with liquid metal and involves agitation during partial solidification followed by forming. The latter begins with solid metal of suitable structure and involves heating to the desired fraction solid and forming. Research over the past 37 years, and particularly over the last decade, has provided a detailed picture of process fundamentals and led to a wide range of specific SSM processes and process innovations. Industrial studies and actual production experience are providing a growing

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picture of the process advantages and limitations. At this time, the conditions for eventual wide adoption of SSM appear favorable, both for nonferrous and ferrous alloys. It must, however, be recognized that major innovations, such as SSM become adopted only slowly by industries where capital costs are high, profit margins are modest, and failure to meet customer commitments carries a high penalty.

A real boon for those studying fluid mechanics at all levels, this work is intended to serve as a comprehensive textbook for scientists and engineers as well as advanced students in thermo-fluid courses. It provides an intensive monograph essential for understanding dynamics of ideal fluid, Newtonian fluid, non-Newtonian fluid and magnetic fluid. These distinct, yet intertwined subjects are addressed in an

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integrated manner, with numerous exercises and problems throughout.

Extrusion in Ceramics

Semi-Solid Processing of Alloys and Composites

Advanced Fluid Mechanics

Basics of Fluid Mechanics

Water-resources Engineering

Every 3rd issue is a quarterly cumulation.

Christoph Lohmann introduces a very general framework for the analysis and design of bound-preserving finite element methods. The results of his in-depth theoretical investigations lead to promising new extensions and modifications of existing algebraic flux correction schemes.

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The main focus is on new limiting techniques designed to control the range of solution values for advected scalar quantities or the eigenvalue range of symmetric tensors. The author performs a detailed case study for the Folgar-Tucker model of fiber orientation dynamics. Using eigenvalue range preserving limiters and admissible closure approximations, he develops a physics-compatible numerical algorithm for this model.

"With the appearance and fast evolution of high performance materials, mechanical, chemical and process engineers cannot perform effectively without fluid processing knowledge. The purpose of this book is to explore

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the systematic application of basic engineering principles to fluid flows that may occur in fluid processing and related activities. In Viscous Fluid Flow, the authors develop and rationalize the mathematics behind the study of fluid mechanics and examine the flows of Newtonian fluids. Although the material deals with Newtonian fluids, the concepts can be easily generalized to non-Newtonian fluid mechanics. The book contains many examples. Each chapter is accompanied by problems where the chapter theory can be applied to produce characteristic results. Fluid mechanics is a fundamental and essential element of advanced research, even for those working in different areas, because

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the principles, the equations, the analytical, computational and experimental means, and the purpose are common.

This book will interest researchers, scientists, engineers and graduate students in many disciplines, who make use of mathematical modeling and computer simulation. Although it represents only a small sample of the research activity on numerical simulations, the book will certainly serve as a valuable tool for researchers interested in getting involved in this multidisciplinary field. It will be useful to encourage further experimental and theoretical researches in the above mentioned areas of numerical simulation.

Proceedings of the 13th International Workshop on Railway

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Noise, 16-20 September 2019, Ghent, Belgium

Book Review Index

Nonlinear Flow Phenomena and Homotopy Analysis

Introduction to Engineering Heat Transfer

Optical Tweezers

Flow and Heat Transfer in Geothermal Systems: Basic Equations for Description and Modeling Geothermal Phenomena and Technologies is the ideal reference for research in geothermal systems and alternative energy sources. Written for a wide variety of users, including geologists, geophysicists, hydro-geologists, and engineers, it offers a practical framework for the application of heat

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and flow transport theory. Authored by two of the world's foremost geothermal systems experts, whose combined careers span more than 50 years, this text is a one-stop resource for geothermal system theory and application. It will help geoscientists and engineers navigate the wealth of new research that has emerged on the topic in recent years. Presents a practical and immediately implementable framework for understanding and applying heat and flow transport theory Features equations for modelling geothermal phenomena and technologies in full detail Provides an ideal text for applications in both geophysics and engineering

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This in-depth review of water-resources engineering essentials focuses on both fundamentals and design applications. Emphasis on fundamentals encourages readers' understanding of basic equations in water-resources engineering and the background that is necessary to develop innovative solutions to complex problems. Comprehensive design applications illustrate the practical application of the basic equations of water-resources engineering. Full coverage of hydraulics, hydrology, and water-resources planning and management is provided. Hydraulics is separated into closed-conduit flow and open-channel flow, and hydrology is separated

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into surface-water hydrology and ground-water hydrology. For professionals looking for a reference book on water-resources engineering.

This book reports on the 13th International Workshop on Railway Noise (IWRN13), held on September 16-20, 2019, in Ghent, Belgium. It gathers original peer-reviewed papers describing the latest developments in railway noise and vibration, as well as state-of-the-art reviews written by authoritative experts in the field. The different papers cover a broad range of railway noise and vibration topics, such as rolling noise, wheel squeal, noise perception, prediction methods, measurements and

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monitoring, and vehicle interior noise. Further topics include rail roughness, rail corrugation and grinding, high-speed rail and aerodynamic noise, structure-borne noise, ground-borne noise and vibration, and resilient track forms. Policy, criteria and regulation are also discussed. Offering extensive and timely information to both scientists and engineers, this book will help them in their daily efforts to identify, understand and solve problems related to railway noise and vibration, and to achieve the ultimate goal of reducing the environmental impact of railway systems.

Includes English language abstracts from Japanese articles

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in Nihon Genshiryoku Gakkai Shi (Journal of the Atomic Energy Society of Japan)

Basic Equations for Describing and Modeling Geothermal Phenomena and Technologies

Surface Science Techniques

Fluid Mechanics of Viscoplasticity

Vessel Health and Preservation: The Right Approach for Vascular Access

Engineering Fluid Mechanics

Buku yang berjudul Pemeliharaan Kelistrikan Kendaraan Ringan SMK/MAK Kelas XII ini dapat hadir sebagai penunjang pembelajaran pada Sekolah Menengah Kejuruan Program

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Keahlian Teknik Otomotif. Buku ini berisi pengetahuan Teknik Kendaraan Ringan yang mengacu pada Kurikulum 2013 revisi tahun 2017. Materi yang dibahas dalam buku ini meliputi:

- Diagnosis dan perbaikan kerusakan sistem kelistrikan dan kelengkapan tambahan kendaraan ringan
- Diagnosis dan perbaikan kerusakan sistem starter kendaraan ringan
- Diagnosis dan perbaikan kerusakan sistem pengisian kendaraan ringan
- Diagnosis dan perbaikan sistem pengapian konvensional dan elektronik kendaraan ringan
- Diagnosis dan perbaikan kerusakan sistem penerangan, panel instrument dan AC kendaraan ringan
- Diagnosis dan perbaikan kerusakan sistem audio dan sistem pengaman kendaraan ringan
- Evaluasi hasil perbaikan kelistrikan kendaraan ringan

Berdasarkan materi yang telah disajikan, para siswa diajak untuk melakukan aktivitas HOTS (Higher Order

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Thinking Skills) dengan cara menanya, mengeksplorasi, mengamati, mengasosiasikan, dan mengomunikasikan. Buku ini dilengkapi dengan latihan soal berupa pilihan ganda, esai, dan tugas proyek yang bertujuan untuk mengukur kemampuan siswa dalam menguasai materi sesuai kompetensi dasar dan kompetensi inti. Buku ini telah disesuaikan dengan tuntutan kompetensi SMK/MAK di bidangnya. Dengan demikian, kami berharap siswa mampu berkompetisi di dunia kerja.

Featuring interviews with topflight scholars discussing their work and that of their colleagues, this retrospective of the first hundred years of Columbia Business School recounts the role of the preeminent institution in transforming education, industry, and global society. From its early years as the birthplace of value investing to its seminal influence on Warren Buffett and Benjamin

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Graham, the school has been a profound incubator of ideas and talent, determining the direction of American business. In ten chapters, each representing a single subject of the school's research, senior faculty members recount the collaborative effort and innovative approaches that led to revolutionary business methods in fields like finance, economics, and accounting. They describe the pioneering work that helped create new quantitative and stochastic tools to enhance corporate decision making, and they revisit the groundbreaking twentieth-century marketing and management paradigms that continue to affect the fundamental global business. The volume profiles several prominent centers and programs that have helped the school adapt to recent advances in international business, entrepreneurship, and social enterprise. Columbia Business School has long offered its diverse students

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access to the best leaders and thinkers in the industry. This book not only reflects on these relationships but also imagines what might be accomplished in the next hundred years.

Volume 2

Solids and Fluids, Analysis and Design

Computational Rheology

Columbia Business School

Fluid Flow and Heat Transfer