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[Agricultural Risk Transfer](#) Jul 13 2020 Gain a holistic view of agricultural (re)insurance and capital market risk transfer Increasing agricultural production and food security remain key challenges for mankind. In order to meet global food demand, the Food and Agriculture Organisation estimates that production has to increase by 50% by 2050 and requires large investments. Agricultural insurance and financial instruments have been an integral part to advancing productivity and are becoming more important in increasingly globalized and specialized agricultural supply chains in the wake of potentially more frequent and severe natural disasters in today's key producing markets. Underwriting, pricing and transferring agricultural risks is complex and requires a solid understanding of the production system, exposure, perils and the most suitable products, which vastly differ among developed and developing markets. In the last decade, new insurance schemes in emerging agricultural markets have greatly contributed to the large growth of the industry from a premium volume of US\$10.1 billion (2006) to US\$30.7 billion (2017).

This growth is bound to continue as insurance penetration and exposure increase and new schemes are being developed. Agricultural (re)insurance has become a cornerstone of sovereign disaster risk financing frameworks. Agricultural Risk Transfer introduces the main concepts of agricultural (re)insurance and capital market risk transfer that are discussed through industry case studies. It also discusses best industry practices for all main insurance products for crop, livestock, aquaculture and forestry risks including risk assessment, underwriting, pricing, modelling and loss adjustment. Describes agricultural production risks and risk management approaches Covers risk transfer of production and financial risks through insurance and financial instruments Introduces modelling concepts for the main perils and key data sources that support risk transfer through indemnity- and index-based products Describes risk pricing and underwriting approaches for crop, livestock, aquaculture and forestry exposure in developed and developing agricultural systems Become familiar with risk transfer concepts to reinsurance and capital markets Get to know the current market landscape and main risk transfer products for individual producers, agribusinesses and governments through theory and comprehensive industry case studies Through Agricultural Risk Transfer, you'll gain a holistic view of agricultural (re)insurance and capital market solutions which will support better underwriting, more structured product development and improved risk transfer.

Heat Transfer Solutions Jul 05 2022 Solved heat transfer problems This book is a problem-solving supplement for any undergraduate heat transfer text. It will help the engineering student learn how to solve basic heat transfer problems in a logical and systematic way. Blending the problem-solving features of a solutions manual with the instructional features of a text, this book is a useful resource for students in mechanical engineering, chemical engineering and other engineering disciplines in which heat transfer is studied. The book may also be used as a resource for practicing engineers.

Similarity Solutions for the Boundary Layer Flow and Heat Transfer of Viscous Fluids, Nanofluids, Porous Media, and Micropolar Fluids Nov 09 2022 Similarity Solutions for the Boundary Layer Flow and Heat Transfer of Viscous Fluids, Nanofluids, Porous Media, and Micropolar Fluids presents new similarity solutions for fluid mechanics problems, including heat transfer of viscous fluids, boundary layer flow, flow in porous media, and nanofluids due to continuous moving surfaces. After discussing several examples of these problems, similarity solutions are derived and solved using the latest proven methods, including bvp4c from MATLAB, the Keller-box method, singularity methods, and more. Numerical solutions and asymptotic results for limiting cases are also discussed in detail to investigate how flow develops at the leading edge and its end behavior. Detailed discussions of mathematical models for boundary layer flow and heat transfer of micro-polar fluid and hybrid nanofluid will help readers from a range of disciplinary backgrounds in their research. Relevant background theory will also be provided, thus helping readers solidify their computational work with a better understanding of physical phenomena. Provides mathematical models that address important research themes, such as boundary layer flow and heat transfer of micro-polar fluid and hybrid nanofluid Gives detailed numerical explanations of all solution procedures, including bvp4c from MATLAB, the Keller-box method, and singularity methods Includes examples of computer code that will save readers time in their own work

Electron Transfer Reactions of Complex Ions in Solution Jun 04 2022 Electron Transfer Reactions of Complex Ions in Solution covers the significant development of some important area of electron transfer reactions of complex ions. This four-chapter book emerged from a series of lectures at the Polytechnic Institute of Brooklyn in November and December 1967. Chapter I presents research studies in cation hydration. This

chapter describes principal methods for composition determination of the first coordination spheres of the aquo ions. Chapter II examines the distinction between reactions in which electron transfer takes place from one primary bond system to another. Chapter III discusses some aspects of ligand effects in electron-transfer reactions. This chapter demonstrates that differences in the behavior of systems can be expected at least in the extremes of mechanisms. Chapter IV deals with the history, principles and applications of the induced electron-transfer effect. This book is of great value to electrochemists, students, and researchers.

Convective Heat-transfer Coefficients from a Solution of the Conduction Equation for a Wall Separating Two Fluids, One Having an Oscillating Temperature Aug 06 2022

Journal of Thermophysics and Heat Transfer Sep 26 2021

Convective Heat Transfer Jul 25 2021 This book presents the solutions to the problems in convective heat transfer. It also contains computer programs to solve homework problems on the CD accompanying the book. These programs are based on differential and integral methods.

Selenium Transfer between Kaolinite or Goethite Surfaces, Nutrient Solution and Oryza Sativa Apr 02 2022

Turbulent Heat Transfer with High Surface Temperature Mar 01 2022

Report ACA. Dec 06 2019

Literature 1976, Part 2 Nov 16 2020 Astronomy and Astrophysics Abstracts, which has appeared in semi-annual volumes since 1969, is devoted to the recording, summarizing and indexing of astronomical publications throughout the world. It is prepared under the auspices of the International Astronomical Union (according to a resolution adopted at the 14th General Assembly in 1970). Astronomy and Astrophysics Abstracts aims to present a comprehensive documentation of literature in all fields of astronomy and astrophysics. Every effort will be made to ensure that the average time interval between the date of receipt of the original literature and publication of the abstracts will not exceed eight months. This time interval is near to that achieved by monthly abstracting journals, compared to which our system of accumulating abstracts for about six months offers the advantage of greater convenience for the user. Volume 18 contains literature published in 1976 and received before March 1, 1977; some older literature which was received late and which is not recorded in earlier volumes is also included.

Convective Heat Transfer Nov 28 2021 This book presents the solutions to the problems in convective heat transfer. It also contains computer programs to solve homework problems on the CD accompanying the book. These programs are based on differential and integral methods.

Universal Design 2014: Three Days of Creativity and Diversity Apr 21 2021 Universal Design, Design for All and Inclusive Design are all aimed at dismantling physical and social barriers to inclusion in all areas of life. Engagement in universal design is on the increase worldwide as practitioners and researchers explore creative and desirable solutions to shape the future of universal design products and practices. This book is a collection of the papers presented at UD2014, the International Conference on Universal Design, held in Lund, Sweden, in June 2014. The conference offered a creative and diverse meeting place for all participants to exchange knowledge, experiences and ideas, and to build global connections and creative networks for future work on universal design. The themes of UD2014 span many aspects of societal life, and the papers included here cover areas as diverse as architecture, public transport, educational and play environments, housing, universal workspaces, and the Internet of things, as well as designs and adaptations for assistive technology. The book clearly demonstrates the breadth of universal design and its ongoing adoption in societies all over the world, and will be of interest to anyone whose work involves building a more inclusive environment

for all.

The ABC Of Reinsurance Apr 09 2020 Titel in englischer Sprache Eine wichtige Neuerscheinung für alle, die mit Rückversicherungen zu tun haben. Vor allem Einsteiger finden hier übersichtlich und verständlich alle relevanten Informationen auf einen Blick! Das „ABC der Rückversicherung“ ist in zwei Teile untergliedert. Im ersten befassen sich die Autoren intensiv mit der traditionellen Rückversicherung. Dazu zählen Themen wie die Vertragsrückversicherung und die fakultative Rückversicherung - und zwar sowohl in der proportionalen als auch in der nichtproportionalen Form. Der erste Teil behandelt zusätzlich zentrale Methoden der Bepreisung und der Rechnungslegung von Rückversicherungsverträgen. Zahlreiche Illustrationen, Beispiele und Übungsaufgaben mit nachvollziehbaren Musterlösungen sorgen dafür für bestmögliche Verständlichkeit. Ganz bewusst verzichteten die Autoren darauf, mathematische Herleitungen zu erklären. Aus gutem Grund: Im Vordergrund steht klar und deutlich die schnelle Anwendbarkeit, daher werden konkret die Vor- und Nachteile der einzelnen Techniken und Konzepte herausgearbeitet. Der zweite Teil widmet sich dann den fortgeschrittenen Aspekten in der Rückversicherung. Dazu gehören Methoden des alternativen Risikotransfers, aber auch die verschiedenen Anwendungsgebiete der passiven Rückversicherung kommen nicht zu kurz. In erster Linie ist der zweite Teil dazu gedacht, einen kompakten Überblick über weitere Themengebiete zu geben, die rund um die traditionelle Rückversicherung flankierend auftauchen. Bereits Anfänger, die mit dem Thema noch nicht sehr vertraut sind, können so die wichtigsten Konzepte der Rückversicherung und die in der Praxis verwandten Fachtermini einsortieren und grob bewerten! Zahlreiche Referenzen geben dabei nicht nur Sicherheit, sie dienen auch einem vertieften Einstieg. Im Einzelnen werden hier die folgenden Themengebiete angesprochen: Fronting und Captives zur Steuerung des Selbstbehaltes der zedierenden Gesellschaft Run-Off-Management zur Abwicklung von Versicherungsbeständen Regulatorische Themen wie die Äquivalenz von einzelnen Aufsichtsregimen und die Erfassung von global systemrelevanten Versicherern sowie Skizzierung von Methoden zur Optimierung von Rückversicherungsstrukturen und Selbstbehalten Ein Glossar, das die im Buch gebrauchten Fachtermini kurz erläutert, rundet das für die Branche wichtige Buch ab. Ideal für Anfänger bei Versicherungsunternehmen, die sich mit der aktiven oder passiven Rückversicherung beschäftigen, und die sich einen kompakten, schnellen und anwendungsorientierten Überblick verschaffen wollen! Those who are dealing with assumed or ceded reinsurance can find here all information at a glance. In the first part the authors deal with traditional assumed reinsurance, i.e., treaty and facultative reinsurance, both proportional and non-proportional in nature. Illustrations, practical examples and exercises enhance the reader's experience. The second part is dedicated to advanced reinsurance, e.g., to methods of alternative risk transfer and work fields in ceded reinsurance. Ideal for the beginner to obtain an application-oriented overview of the relevant concepts and techniques in reinsurance!

The Influence of Solvent Dynamics on Ultrafast Chemical Reactions in Solution Oct 16 2020

NASA Tech Briefs Aug 26 2021

The Silver Sunbeam: a ... text-book on sun drawing and photographic printing: comprehending all the ... processes at present known ...

Third edition, enlarged Jan 19 2021

Engaging Young Children With Informational Books Aug 14 2020 Make informational books part of the K-2 learn-to-read experience—with strategies for shared reading, writing activities, ways to guide parent involvement, and real-life success stories.

Boundary-layer Similar Solutions and Correlation Equations for Laminar Heat-transfer Distribution in Equilibrium Air at Velocities Up

to 41,100 Feet Per Second Sep 07 2022

Beyond Decommissioning Aug 02 2019 **Beyond Decommissioning: The Reuse and Redevelopment of Nuclear Installations** presents the most up-to-date research and guidance on the reuse and redevelopment of nuclear plants and sites. Consultant Michele Laraia extensively builds upon experience from the redevelopment of non-nuclear industrial sites, a technical field that has considerably predated nuclear applications, to help the reader gain a very thorough and practical understanding of the redevelopment opportunities for decommissioned nuclear sites. Laraia emphasizes the socioeconomic and financial benefits from very early planning for site reuse, including how to manage the decommissioning transition, anticipate financial issues, and effectively utilize available resources. With an increasing number of decommissioning projects being conducted worldwide, it is critical that knowledge gained by experts with hands-on experience is passed on to the younger generation of nuclear professionals. Besides, this book describes the experiences of non-nuclear organizations that have reutilized the human, financial, and physical site assets, with adaptations, for a new productive mission, making it a key reference for all parties associated with nuclear operation and decommissioning. Those responsible for nuclear operation and decommissioning are encouraged to incorporate site reuse within an integrated, beginning-to-end view of their projects. The book also appeals to nuclear regulators as it highlights more opportunities to complete nuclear decommissioning safely, speedily, and in the best interests of all concerned parties. Includes lessons learned from worldwide case studies of reuse and repurposing of nuclear plants from both the nuclear and non-nuclear industries Provides practical guidance on a broad-spectrum of factors and opportunities for nuclear decommissioning Identifies the roles and responsibilities of parties involved, including nuclear operators, regulators and authorities, land planners and environmentalists

Engineering Thermodynamics : Work and Heat Transfer May 03 2022 This solutions manual provides a complete set of worked examples within thermodynamics and will prove a useful companion to the main text for both students and lecturers. References to the solutions manual will enable the student to gain confidence with the problems and develop a fuller understanding of this core subject. This solutions manual provides a complete set of worked examples within thermodynamics and will prove a useful companion to the main text for both students and lecturers.

Liquid Nitrogen Fertilizers for Direct Application Nov 04 2019

The Silver Sunbeam Feb 17 2021

The Photographic News Mar 09 2020

Unit Operations in Environmental Engineering Jul 01 2019 The authors have written a practical introductory text exploring the theory and applications of unit operations for environmental engineers that is a comprehensive update to Linvil Rich's 1961 classic work, "Unit Operations in Sanitary Engineering". The book is designed to serve as a training tool for those individuals pursuing degrees that include courses on unit operations. Although the literature is inundated with publications in this area emphasizing theory and theoretical derivations, the goal of this book is to present the subject from a strictly pragmatic introductory point-of-view, particularly for those individuals involved with environmental engineering. This book is concerned with unit operations, fluid flow, heat transfer, and mass transfer. Unit operations, by definition, are physical processes although there are some that include chemical and biological reactions. The unit operations approach allows both the practicing engineer and student to compartmentalize the various operations that constitute a process, and emphasizes introductory engineering principles so

that the reader can then satisfactorily predict the performance of the various unit operation equipment.

ASME Technical Papers Sep 14 2020

Collected Rand Memoranda. Dec 30 2021 Working papers and research memoranda published from 1956 to 1970 are located in Walter Library Closed Storage. In late 1961, the series title changed from Research memorandum to Rand memorandum. Selectively cataloged Reports may be located by means of a title, author or series search in MNCAT.

Refrigeration Systems and Applications Dec 18 2020 The definitive text/reference for students, researchers and practicing engineers This book provides comprehensive coverage on refrigeration systems and applications, ranging from the fundamental principles of thermodynamics to food cooling applications for a wide range of sectoral utilizations. Energy and exergy analyses as well as performance assessments through energy and exergy efficiencies and energetic and exergetic coefficients of performance are explored, and numerous analysis techniques, models, correlations and procedures are introduced with examples and case studies. There are specific sections allocated to environmental impact assessment and sustainable development studies. Also featured are discussions of important recent developments in the field, including those stemming from the author's pioneering research. Refrigeration is a uniquely positioned multi-disciplinary field encompassing mechanical, chemical, industrial and food engineering, as well as chemistry. Its wide-ranging applications mean that the industry plays a key role in national and international economies. And it continues to be an area of active research, much of it focusing on making the technology as environmentally friendly and sustainable as possible without compromising cost efficiency and effectiveness. This substantially updated and revised edition of the classic text/reference now features two new chapters devoted to renewable-energy-based integrated refrigeration systems and environmental impact/sustainability assessment. All examples and chapter-end problems have been updated as have conversion factors and the thermophysical properties of an array of materials. Provides a solid foundation in the fundamental principles and the practical applications of refrigeration technologies Examines fundamental aspects of thermodynamics, refrigerants, as well as energy and exergy analyses and energy and exergy based performance assessment criteria and approaches Introduces environmental impact assessment methods and sustainability evaluation of refrigeration systems and applications Covers basic and advanced (and hence integrated) refrigeration cycles and systems, as well as a range of novel applications Discusses crucial industrial, technical and operational problems, as well as new performance improvement techniques and tools for better design and analysis Features clear explanations, numerous chapter-end problems and worked-out examples Refrigeration Systems and Applications, Third Edition is an indispensable working resource for researchers and practitioners in the areas of Refrigeration and Air Conditioning. It is also an ideal textbook for graduate and senior undergraduate students in mechanical, chemical, biochemical, industrial and food engineering disciplines.

Engineering Optimization 2014 Jan 07 2020 Optimization methodologies are fundamental instruments to tackle the complexity of today's engineering processes. Engineering Optimization 2014 is dedicated to optimization methods in engineering, and contains the papers presented at the 4th International Conference on Engineering Optimization (ENGOPT2014, Lisbon, Portugal, 8-11 September 2014). The book will be of interest to engineers, applied mathematicians, and computer scientists working on research, development and practical applications of optimization methods in engineering.

Environmental Sampling and Analysis May 11 2020 This manual covers the latest laboratory techniques, state-of-the-art instrumentation,

laboratory safety, and quality assurance and quality control requirements. In addition to complete coverage of laboratory techniques, it also provides an introduction to the inorganic nonmetallic constituents in environmental samples, their chemistry, and their control by regulations and standards. Environmental Sampling and Analysis Laboratory Manual is perfect for college and graduate students learning laboratory practices, as well as consultants and regulators who make evaluations and quality control decisions. Anyone performing laboratory procedures in an environmental lab will appreciate this unique and valuable text.

2014 International Conference on Computer, Network Security and Communication Engineering (CNSCE2014) Oct 28 2021 The objective of the 2014 International Conference on Computer, Network Security and Communication Engineering (CNSCE2014) is to provide a platform for all researchers in the field of Computer, Network Security and Communication Engineering to share the most advanced knowledge from both academic and industrial world, to communicate with each other about their experience and most up-to-date research achievements, and to discuss issues and future prospects in these fields. As an international conference mixed with academia and industry, CNSCE2014 provides attendees not only the free exchange of ideas and challenges faced by these two key stakeholders and encourage future collaboration between members of these groups but also a good opportunity to make friends with scholars around the world. As the first session of the international conference on CNSCE, it covers topics related to Computer, Network Security and Communication Engineering. CNSCE2014 has attracted many scholars, researchers and practitioners in these fields from various countries. They take this chance to get together, sharing their latest research achievements with each other. It has also achieved great success by its unique characteristics and strong academic atmosphere as well as its authority.

Germany, Selected Issues Jun 11 2020

Solar Power Generation Problems, Solutions, and Monitoring May 23 2021 Solar Power Generation Problems, Solutions, and Monitoring is a valuable resource for researchers, professionals and graduate students interested in solar power system design. Written to serve as a pragmatic resource for solar photovoltaic power systems financing, it outlines real-life, straightforward design methodology. Using numerous examples, illustrations and an easy to follow design methodology, Peter Gevorkian discusses some of the most significant issues that concern solar power generation including: power output; energy monitoring and energy output enhancement; fault detection; fire and life safety hazard mitigation; and detailed hardware, firmware and software analytic solutions required to resolve solar power technology shortcomings. This essential reference also highlights the significant issues associated with large scale solar photovoltaic and solar power generation technology covering design, construction, deployment and fault detection monitoring as well as life safety hazards.

Geological Survey Research, 1971, Chapter B. Jun 23 2021

Numerical and Analytical Solutions for Solving Nonlinear Equations in Heat Transfer Oct 08 2022 Engineering applications offer benefits and opportunities across a range of different industries and fields. By developing effective methods of analysis, results and solutions are produced with higher accuracy. Numerical and Analytical Solutions for Solving Nonlinear Equations in Heat Transfer is an innovative source of academic research on the optimized techniques for analyzing heat transfer equations and the application of these methods across various fields. Highlighting pertinent topics such as the differential transformation method, industrial applications, and the homotopy perturbation method, this book is ideally designed for engineers, researchers, graduate students, professionals, and academics interested in applying new mathematical techniques in engineering sciences.

Previews of Heat and Mass Transfer Feb 06 2020

Research Report - Avco Everett Research Laboratory Sep 02 2019

Language and Mental Development Oct 04 2019 Originally published in 1977, this book considers the role language plays in psychological development. It tries to avoid general discussions of "language and thought", an approach already sufficiently developed by philosophers and (although somewhat less) by psychologists. Instead it attempts to focus specifically upon what we can learn about the topic from available research findings at the time. Theoretical considerations are developed only when necessary to clarify an issue or to facilitate the integration of presented material. The aim of the work is simple – to share with the reader the author's thoughts and understanding of available knowledge of the role of language in mental development.

Rational Interaction Jan 31 2022 The unifying theme of the 23 contributions to this book is the social interaction of rational individuals. The work of John C. Harsanyi on game theory, social choice, and the philosophy of science finds an echo in these essays. Contributions by well known game theorists and economists present a great variety of stimulating theoretical investigations. Part I contains six papers on non-cooperative game theory written by Maschler, Owen, Myerson, Peleg, Rosenmüller, Hart and Mas-Collel. Part II with three contributions by Kalei, Samet, van Damme, d'Aspremont, and Gérard-Varet is devoted to the use of non-cooperative game theory in the analysis of problems of mechanism design. Basic questions of non-cooperative game theory are discussed in three essays by Güth, Hardin, and Sugden in Part III. Applied game models are discussed in three papers by Friedman, Selten, and Shubik in Part IV. Problems of social choice are investigated in Part V which deals with utilitarianism and related topics in five contributions by Hammond, Binmore, Arrow, Roemer, and Broome. Finally, Part VI contains three papers: an interdisciplinary comparison of physics and economics by Samuelson, a methodological essay by Brock, and an appraisal of the work of John C. Harsanyi.

Strategies and Solutions to Advanced Organic Reaction Mechanisms Mar 21 2021 Strategies and Solutions to Advanced Organic Reaction Mechanisms: A New Perspective on McKillop's Problems builds upon Alexander (Sandy) McKillop's popular text, Solutions to McKillop's Advanced Problems in Organic Reaction Mechanisms, providing a unified methodological approach to dealing with problems of organic reaction mechanism. This unique book outlines the logic, experimental insight and problem-solving strategy approaches available when dealing with problems of organic reaction mechanism. These valuable methods emphasize a structured and widely applicable approach relevant for both students and experts in the field. By using the methods described, advanced students and researchers alike will be able to tackle problems in organic reaction mechanism, from the simple and straight forward to the advanced. Provides strategic methods for solving advanced mechanistic problems and applies those techniques to the 300 original problems in the first publication Replaces reliance on memorization with the understanding brought by pattern recognition to new problems Supplements worked examples with synthesis strategy, green metrics analysis and novel research, where available, to help advanced students and researchers in choosing their next research project