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KEY=CONTEMPORARY - JAXON LILIA

CONTEMPORARY ENGINEERING ECONOMICS, GLOBAL EDITION

Pearson Higher Ed *For courses in engineering and economics* *Comprehensively blends engineering concepts with economic theory* *Contemporary Engineering Economics teaches engineers how to make smart financial decisions in an effort to create economical products. As design and manufacturing become an integral part of engineers' work, they are required to make more and more decisions regarding money. The 6th Edition helps students think like the 21st century engineer who is able to incorporate elements of science, engineering, design, and economics into his or her products. This text comprehensively integrates economic theory with principles of engineering, helping students build sound skills in financial project analysis. The full text downloaded to your computer* *With eBooks you can: search for key concepts, words and phrases make highlights and notes as you study share your notes with friends* *eBooks are downloaded to your computer and accessible either offline through the Bookshelf (available as a free download), available online and also via the iPad and Android apps. Upon purchase, you'll gain instant access to this eBook. Time limit* *The eBooks products do not have an expiry date. You will continue to access your digital ebook products whilst you have your Bookshelf installed.*

CONTEMPORARY ENGINEERING ECONOMICS

Prentice Hall *Contemporary Engineering Economics, 5/e, is intended for undergraduate engineering students taking introductory engineering economics while appealing to the full range of engineering disciplines for which this course is*

often required: industrial, civil, mechanical, electrical, computer, aerospace, chemical, and manufacturing engineering, as well as engineering technology. This edition has been thoroughly revised and updated while continuing to adopt a contemporary approach to the subject, and teaching, of engineering economics. This text aims not only to build a sound and comprehensive coverage of engineering economics, but also to address key educational challenges, such as student difficulty in developing the analytical skills required to make informed financial decisions.

SOLUTIONS MANUAL TO ACCOMPANY MODERN ENGINEERING STATISTICS

John Wiley & Sons *An introductory perspective on statistical applications in the field of engineering Modern Engineering Statistics presents state-of-the-art statistical methodology germane to engineering applications. With a nice blend of methodology and applications, this book provides and carefully explains the concepts necessary for students to fully grasp and appreciate contemporary statistical techniques in the context of engineering. With almost thirty years of teaching experience, many of which were spent teaching engineering statistics courses, the author has successfully developed a book that displays modern statistical techniques and provides effective tools for student use. This book features: Examples demonstrating the use of statistical thinking and methodology for practicing engineers A large number of chapter exercises that provide the opportunity for readers to solve engineering-related problems, often using real data sets Clear illustrations of the relationship between hypothesis tests and confidence intervals Extensive use of Minitab and JMP to illustrate statistical analyses The book is written in an engaging style that interconnects and builds on discussions, examples, and methods as readers progress from chapter to chapter. The assumptions on which the methodology is based are stated and tested in applications. Each chapter concludes with a summary highlighting the key points that are needed in order to advance in the text, as well as a list of references for further reading. Certain chapters that contain more than a few methods also provide end-of-chapter guidelines on the proper selection and use of those methods. Bridging the gap between statistics education and real-world applications, Modern Engineering Statistics is ideal for either a one- or two-semester course in engineering statistics.*

ENGINEERING ECONOMICS: DECISIONS AND SOLUTIONS FROM EURASIAN PERSPECTIVE

Springer Nature *This book presents the outcomes of the annual “Engineering Economics Week – 2020,” organized by the Russian Union of Industrialists and Entrepreneurs, the Institute of Management and the Institute of Market Problems of the Russian Academy of Sciences (RAS), the South-Russian State Polytechnic University and Samara State University of Economics, and held in online format in May 2020. Focusing on the following topics: - the globalized economy and Russian industrial enterprises: development specifics and international co-operation; - state support for the real sector of the economy; - decisions in production and project management in the context of the digital economy; - big data and big challenges in*

production networks and systems ; and - economic and social aspects of the innovation management: decision-making and control this book will appeal to scientists, teachers and students (bachelor's, master's and postgraduate) at higher education institutions, economists, specialists at research centers, managers of industrial enterprises, business professionals, and those at media centers, and development fund and consulting organizations.

ENGINEERING ECONOMIC ANALYSIS

Praised for its accessible tone and extensive problem sets, this trusted text familiarizes students with the universal principles of engineering economics. This essential introduction features a wealth of specific Canadian examples and has been fully updated with new coverage of inflation and environmental stewardship as well as a new chapter on project management.

MODERN ENGINEERING MATHEMATICS

CRC Press *This book is a compendium of fundamental mathematical concepts, methods, models, and their wide range of applications in diverse fields of engineering. It comprises essentially a comprehensive and contemporary coverage of those areas of mathematics which provide foundation to electronic, electrical, communication, petroleum, chemical, civil, mechanical, biomedical, software, and financial engineering. It gives a fairly extensive treatment of some of the recent developments in mathematics which have found very significant applications to engineering problems.*

EXERCISES AND SOLUTIONS IN STATISTICAL THEORY

CRC Press *Exercises and Solutions in Statistical Theory helps students and scientists obtain an in-depth understanding of statistical theory by working on and reviewing solutions to interesting and challenging exercises of practical importance. Unlike similar books, this text incorporates many exercises that apply to real-world settings and provides much more thorough solutions. The exercises and selected detailed solutions cover from basic probability theory through to the theory of statistical inference. Many of the exercises deal with important, real-life scenarios in areas such as medicine, epidemiology, actuarial science, social science, engineering, physics, chemistry, biology, environmental health, and sports. Several exercises illustrate the utility of study design strategies, sampling from finite populations, maximum likelihood, asymptotic theory, latent class analysis, conditional inference, regression analysis, generalized linear models, Bayesian analysis, and other statistical topics. The book also contains references to published books and articles that offer more information about the statistical concepts. Designed as a supplement for advanced undergraduate and graduate courses, this text is a valuable source of classroom examples, homework problems, and examination questions. It is also useful for scientists interested in enhancing or refreshing their theoretical statistical skills. The book improves readers' comprehension of the principles of statistical theory and helps them see how the principles can be used in practice. By mastering the theoretical statistical strategies necessary to solve the exercises, readers will be*

prepared to successfully study even higher-level statistical theory.

MANAGEMENT, FINANCE, ECONOMICS: MODERN PROBLEMS AND WAYS OF THEIR SOLUTIONS

International Science Group *Collective monograph*

INTRODUCTION TO ENGINEERING

AN ASSESSMENT AND PROBLEM SOLVING APPROACH

CRC Press *Developed for the Ultimate Introductory Engineering Course Introduction to Engineering: An Assessment and Problem-Solving Approach incorporates experiential, and problem- and activity-based instruction to engage students and empower them in their own learning. This book compiles the requirements of ABET, (the organization that accredits most US engineering, computer science, and technology programs and equivalency evaluations to international engineering programs) and integrates the educational practices of the Association of American Colleges and Universities (AAC&U). The book provides learning objectives aligned with ABET learning outcomes and AAC&U high-impact educational practices. It also identifies methods for overcoming institutional barriers and challenges to implementing assessment initiatives. The book begins with an overview of the assessment theory, presents examples of real-world applications, and includes key assessment resources throughout. In addition, the book covers six basic themes: Use of assessment to improve student learning and educational programs at both undergraduate and graduate levels Understanding and applying ABET criteria to accomplish differing program and institutional missions Illustration of evaluation/assessment activities that can assist faculty in improving undergraduate and graduate courses and programs Description of tools and methods that have been demonstrated to improve the quality of degree programs and maintain accreditation Using high-impact educational practices to maximize student learning Identification of methods for overcoming institutional barriers and challenges to implementing assessment initiative A practical guide to the field of engineering and engineering technology, Introduction to Engineering: An Assessment and Problem-Solving Approach serves as an aid to both instructor and student in developing competencies and skills required by ABET and AAC&U.*

TELECOMMUNICATIONS ENGINEERING: PRINCIPLES AND PRACTICE

World Scientific *This book covers basic principles of telecommunications and their applications in the design and analysis of modern networks and systems. Aimed to make telecommunications engineering easily accessible to students, this book contains numerous worked examples, case studies and review questions at the end of each section. Readers of the book can thus easily check their understanding of the topics progressively. To render the book more hands-on, MATLAB® software package is used to explain some of the concepts. Parts of this book are taught in undergraduate curriculum, while the rest is taught in graduate courses. Telecommunications Engineering: Theory and Practice treats both traditional*

and modern topics, such as blockchain, OFDM, OFDMA, SC-FDMA, LPDC codes, arithmetic coding, polar codes and non-orthogonal multiple access (NOMA).

ENGINEERING ECONOMY

McGraw-Hill College *This student-friendly text on the current economic issues particular to engineering covers the topics needed to analyze engineering alternatives. Students use both hand-worked and spreadsheet solutions of examples, problems and case studies. In this edition the options have been increased with an expanded spreadsheet analysis component, twice the number of case studies, and virtually all new end-of-chapter problems. The chapters on factor derivation and usage, cost estimation, replacement studies, and after-tax evaluation have been heavily revised. New material is included on public sector projects and cost estimation. A reordering of chapters puts the fundamental topics up front in the text. Many chapters include a special set of problems that prepare the students for the Fundamentals of Engineering (FE) exam. This text provides students and practicing professionals with a solid preparation in the financial understanding of engineering problems and projects, as well as the techniques needed for evaluating and making sound economic decisions. Distinguishing characteristics include learning objectives for each chapter, an easy-to-read writing style, many solved examples, integrated spreadsheets, and case studies throughout the text. Graphical cross-referencing between topics and quick-solve spreadsheet solutions are indicated in the margin throughout the text. While the chapters are progressive, over three-quarters can stand alone, allowing instructors flexibility for meeting course needs. A complete online learning center (OLC) offers supplemental practice problems, spreadsheet exercises, and review questions for the the Fundamentals of Engineering (FE) exam.*

ENGINEERING ECONOMIC AND COST ANALYSIS

Prentice Hall *Engineering Economic and Cost Analysis is a practical introduction for those engineering students and professional practitioners who are new to the study of engineering economics.*

ADVANCED ENGINEERING ECONOMICS

John Wiley & Sons *Advanced Engineering Economics, Second Edition, provides an integrated framework for understanding and applying project evaluation and selection concepts that are critical to making informed individual, corporate, and public investment decisions. Grounded in the foundational principles of economic analysis, this well-regarded reference describes a comprehensive range of central topics, from basic concepts such as accounting income and cash flow, to more advanced techniques including deterministic capital budgeting, risk simulation, and decision tree analysis. Fully updated throughout, the second edition retains the structure of its previous iteration, covering basic economic concepts and techniques, deterministic and stochastic analysis, and special topics in engineering economics analysis. New and expanded chapters examine the use of transform techniques in cash flow modeling, procedures for replacement analysis, the evaluation of public investments, corporate taxation, utility theory, and more. Now available as*

interactive eBook, this classic volume is essential reading for both students and practitioners in fields including engineering, business and economics, operations research, and systems analysis.

MODERN ENGINEERING ECONOMY

John Wiley & Sons Incorporated *Focusing on decisions--engineering economy as a decision tool not an adjunct to accounting--this textbook is completely integrated into the easy-computing era and treats monetary inflation routinely. Contains detailed coverage of equipment replacement, after-tax analysis, risk, public economy, benefit/cost ratios and cost effectiveness. Chapter 10 features unique case-study-type design exercises which integrate methods and practice. Includes over 800 original problems with comprehensive solutions and discussion, approximately 300 chapter examples, 450 end-of-chapter exercises, 100 quiz questions plus several hundred charts, graphs and tables.*

ENGINEERING PRACTICE IN A GLOBAL CONTEXT

UNDERSTANDING THE TECHNICAL AND THE SOCIAL

CRC Press *This volume aims to provide the reader with a broad cross-section of empirical research being carried out into engineers at work. The chapters provide pointers to other relevant studies over recent decades - an important aspect, we believe, because this area has only recently begun to coalesce as a field of study and up to now relevant empirical research has tended to be published across a range of academic disciplines. This lack of readily available literature might explain why contemporary notions of engineering have drifted far from the realities of practice and are in urgent need of revision. The principal focus is on what empirical studies tell us about the social and technical aspects of engineering practice and the mutual interaction between the two. After a foreword by Gary Lee Downey, the research presented by the various chapter authors is based on empirical data from studies of engineers working in a variety of global settings that include Australia, Ireland, Portugal, South Asia, Switzerland, the UK and the US The following groups of readers are addressed: •researchers and students with an interest in engineering practice, •professional engineers, particularly those interested in research on engineering practice, •engineering educators, •people who employ, recruit or work with engineers. Providing a much clearer picture of engineering practice and its variations than has been available until now, the book is of interest to engineers and those who work with them. At the same time it provides invaluable resource material for educators who are aiming for more authentic learning experiences in their classrooms. Further information, visit the website Engineering Practice in a Global Context Online: <http://epr.ist.utl.pt/EPGC/>*

PRINCIPLES IN CONTEMPORARY ORTHODONTICS

BoD - Books on Demand *Orthodontics is a fast developing science as well as the field of medicine in general. The attempt of this book is to propose new possibilities and new ways of thinking about Orthodontics beside the ones presented in*

established and outstanding publications available elsewhere. Some of the presented chapters transmit basic information, other clinical experiences and further offer even a window to the future. In the hands of the reader this book could provide an useful tool for the exploration of the application of information, knowledge and belief to some orthodontic topics and questions.

STANDARD HANDBOOK OF PETROLEUM & NATURAL GAS ENGINEERING

Gulf Professional Publishing *Petroleum engineering now has its own true classic handbook that reflects the profession's status as a mature major engineering discipline. Formerly titled the Practical Petroleum Engineer's Handbook, by Joseph Zaba and W.T. Doherty (editors), this new, completely updated two-volume set is expanded and revised to give petroleum engineers a comprehensive source of industry standards and engineering practices. It is packed with the key, practical information and data that petroleum engineers rely upon daily. The result of a fifteen-year effort, this handbook covers the gamut of oil and gas engineering topics to provide a reliable source of engineering and reference information for analyzing and solving problems. It also reflects the growing role of natural gas in industrial development by integrating natural gas topics throughout both volumes. More than a dozen leading industry experts-academia and industry-contributed to this two-volume set to provide the best, most comprehensive source of petroleum engineering information available.*

THERMAL ENERGY SYSTEMS

DESIGN AND ANALYSIS, SECOND EDITION

CRC Press *Thermal Energy Systems: Design and Analysis, Second Edition presents basic concepts for simulation and optimization, and introduces simulation and optimization techniques for system modeling. This text addresses engineering economy, optimization, hydraulic systems, energy systems, and system simulation. Computer modeling is presented, and a companion website provides specific coverage of EES and Excel in thermal-fluid design. Assuming prior coursework in basic thermodynamics and fluid mechanics, this fully updated and improved text will guide students in Mechanical and Chemical Engineering as they apply their knowledge to systems analysis and design, and to capstone design project work.*

FORTY CENTURIES OF WAGE AND PRICE CONTROLS

HOW NOT TO FIGHT INFLATION

Ludwig von Mises Institute *The Mises Institute is thrilled to bring back this popular guide to ridiculous economic policy from the ancient world to modern times. This outstanding history illustrates the utter futility of fighting the market process through legislation. It always uses despotic measures to yield socially catastrophic results. It covers the ancient world, the Roman Republic and Empire, Medieval Europe, the first centuries of the U.S. and Canada, the French Revolution, the 19th*

century, World Wars I and II, the Nazis, the Soviets, postwar rent control, and the 1970s. It also includes a very helpful conclusion spelling out the theory of wage and price controls. This book is a treasure, and super entertaining!

ENGINEERING ECONOMIC ANALYSIS PRACTICES FOR HIGHWAY INVESTMENT

Transportation Research Board *TRB's National Cooperative Highway Research Program (NCHRP) Synthesis 424: Engineering Economic Analysis Practices for Highway Investment* explores how U.S. transportation agencies have applied engineering economics--benefit-cost analyses and similar procedures--to decisions on highway investments.

PROSPECT THEORY

FOR RISK AND AMBIGUITY

Cambridge University Press *Prospect Theory: For Risk and Ambiguity*, provides a comprehensive and accessible textbook treatment of the way decisions are made both when we have the statistical probabilities associated with uncertain future events (risk) and when we lack them (ambiguity). The book presents models, primarily prospect theory, that are both tractable and psychologically realistic. A method of presentation is chosen that makes the empirical meaning of each theoretical model completely transparent. Prospect theory has many applications in a wide variety of disciplines. The material in the book has been carefully organized to allow readers to select pathways through the book relevant to their own interests. With numerous exercises and worked examples, the book is ideally suited to the needs of students taking courses in decision theory in economics, mathematics, finance, psychology, management science, health, computer science, Bayesian statistics, and engineering.

FUNDAMENTALS OF ENGINEERING ECONOMICS

Pearson Prentice Hall *This work offers a concise, but in-depth coverage of all fundamental topics of engineering economics.*

REHABILITATION ENGINEERING

PRINCIPLES AND PRACTICE

CRC Press *This book will provide an overview of the rehabilitation engineering field, including key concepts that are required to provide a solid foundation about the discipline. It will present these concepts through a mix of basic and applied knowledge from rehabilitation engineering research and practice. It's written as an introductory text in order to provide access to the field by those without previous experience or background in the field. These concepts will include those related to engineering and health that are necessary to understand the application of rehabilitation engineering to support human function.*

ROUNDBABOUTS AS SAFE AND MODERN SOLUTIONS IN TRANSPORT NETWORKS AND SYSTEMS

15TH SCIENTIFIC AND TECHNICAL CONFERENCE “TRANSPORT SYSTEMS. THEORY AND PRACTICE 2018”, KATOWICE, POLAND, SEPTEMBER 17-19, 2018, SELECTED PAPERS

Springer *This book offers a collection of guidelines that will be particularly useful to those making decisions concerning roundabouts as safe and modern solutions in transport networks and systems. The decision-making support systems described here will interest those who face the challenge of finding solutions to problems concerning modern transport systems on a daily basis. Consequently, the book is chiefly intended for local authorities involved in planning and preparing development strategies for specific transport-related issues (in both urban and regional contexts), as well as for representatives of business and industry who are directly engaged in the implementation of traffic engineering solutions. The guidelines provided in the respective chapters help to address the given problem soundly, and to simplify the selection of an appropriate strategy. The topics covered include traffic conditions and the performance of single-lane, two-lane and turbo roundabouts, road traffic safety analysis, analysis of road traffic safety improvements, surrogate safety measures at roundabouts, analysis of pedestrian behavior at pedestrian crossings with public transport vehicles, methods for assessing vehicle motion trajectory at single-lane roundabouts using visual techniques, making compact two-lane roundabouts effective for vulnerable road users, concepts for wireless electric vehicle charging near roundabouts, work zones, and temporary traffic control at roundabouts. Since the book also considers new approaches to theoretical models (including modeling roundabout capacity, models of critical gaps and follow-up headways for turbo roundabouts, and estimating roundabout delay while taking into account pedestrian impact), it will also appeal to researchers and scientists studying these problems. The book gathers selected papers presented at the 15th Scientific and Technical Conference “Transport Systems. Theory and Practice”, organized by the Department of Transport Systems and Traffic Engineering, Silesian University of Technology in Katowice, Poland on September 17-19, 2018.*

ENGINEERING ECONOMICS AND COSTING

S. Chand Publishing *Salient Features of the Book: Simple and lucid language Sequential arrangement of topics Review question after each chapter Interest calculation table Straight answers to 101 nagging questions*

INTERVIEW FOR ENGINEERS: STRATEGIES & QUESTION-ANSWER

GYAN SHANKAR *This book is a must-have guide for engineers to crack the job interview. Section I, deals with the winning strategies. Section II contains answers & tips to 311 questions, generals to tough and tricky, commonly asked in the interviews for engineers. Section III, is question bank of technical question. Author is former Corporate HR Head & a Career Consultant. The book is easy to read & comprehend, and; packed with insightful direction to take charge of the interview to*

a cutting edge to slip past the competition and get hired. Chapters in Section I What Employers Look for in an Engineer to hire? How to Answer an Engineers Interview Question, Technical Job Interview - How to prepare & Plan, Researching the Job & Organization, How to manage Nervousness & Mentally Prepare for Job Interview, Speak the Language the Employers Like, Interviewee's 40 Common Mistakes, Create Great Impression, How to be a Perfect Interviewee, How to Prepare to Answer Interview Questions. Chapters in Section II Open-Ended Questions Answer, Job Fitness Questions, Why you should be hired, Target Job and Employer, Management & Teamwork, Goals & Stability, Joining & leaving, Interrogation Questions, Qualification Questions, Case Interview Questions, Aptitude Questions, The Final Questions, Salary Questions & Salary Negotiating. Section III Technical Question Bank

MODERN ENGINEERING THERMODYNAMICS

Academic Press *Modern Engineering Thermodynamics* is designed for use in a standard two-semester engineering thermodynamics course sequence. The first half of the text contains material suitable for a basic Thermodynamics course taken by engineers from all majors. The second half of the text is suitable for an Applied Thermodynamics course in mechanical engineering programs. The text has numerous features that are unique among engineering textbooks, including historical vignettes, critical thinking boxes, and case studies. All are designed to bring real engineering applications into a subject that can be somewhat abstract and mathematical. Over 200 worked examples and more than 1,300 end of chapter problems provide opportunities to practice solving problems related to concepts in the text. Provides the reader with clear presentations of the fundamental principles of basic and applied engineering thermodynamics. Helps students develop engineering problem solving skills through the use of structured problem-solving techniques. Introduces the Second Law of Thermodynamics through a basic entropy concept, providing students a more intuitive understanding of this key course topic. Covers Property Values before the First Law of Thermodynamics to ensure students have a firm understanding of property data before using them. Over 200 worked examples and more than 1,300 end of chapter problems offer students extensive opportunity to practice solving problems. Historical Vignettes, Critical Thinking boxes and Case Studies throughout the book help relate abstract concepts to actual engineering applications. For greater instructor flexibility at exam time, thermodynamic tables are provided in a separate accompanying booklet. Available online testing and assessment component helps students assess their knowledge of the topics. Email textbooks@elsevier.com for details.

TECHNOLOGICAL SOLUTIONS FOR MODERN LOGISTICS AND SUPPLY CHAIN MANAGEMENT

IGI Global *Technological Solutions for Modern Logistics and Supply Chain Management* highlights theories and technological growth in applied research as well as advances in logistics, supply chains, and industry experiences. Aiming to enhance the expansions made towards an efficient and sustainable economy, this book is

essential for providing researchers, practitioners and academicians with insight into a wide range of topics.

TECHNOLOGICAL CONCEPTS AND MATHEMATICAL MODELS IN THE EVOLUTION OF MODERN ENGINEERING SYSTEMS

CONTROLLING • MANAGING • ORGANIZING

Springer Science & Business Media *This collection of historical research studies covers the evolution of technology as knowledge, the emergence of an autonomous engineering science in the Industrial Age, the idea of scientific management of production and operation systems, and the interaction between mathematical models and technological concepts. The book is published with the support of the UNESCO Venice Office - Regional Office for Science & Technology in Europe as an activity of the Project: The evolution of events, concepts and models in engineering systems.*

MODERN ENGINEERING

A SHORT COURSE FOR PROFESSIONALS

VALUATION CHALLENGES AND SOLUTIONS IN CONTEMPORARY BUSINESSES

IGI Global *Defining the value of an entire company can be challenging, especially for large, highly competitive business markets. While the main goal for many companies is to increase their market value, understanding the advanced techniques and determining the best course of action to maximize profits can puzzle both academic and business professionals alike. Valuation Challenges and Solutions in Contemporary Businesses provides emerging research exploring theoretical and practical aspects of income-based, market-based, and asset-based valuation approaches and applications within the financial sciences. Featuring coverage on a broad range of topics such as growth rate, diverse business, and market value, this book is ideally designed for financial officers, business professionals, company managers, CEOs, corporate professionals, academicians, researchers, and students seeking current research on the challenging aspects of firm valuation and an assortment of possible solution-driven concepts.*

ROOT CAUSE ANALYSIS HANDBOOK

A GUIDE TO EFFICIENT AND EFFECTIVE INCIDENT INVESTIGATION

Rothstein Publishing *Are you trying to improve performance, but find that the same problems keep getting in the way? Safety, health, environmental quality, reliability, production, and security are at stake. You need the long-term planning that will keep the same issues from recurring. Root Cause Analysis Handbook: A Guide to Effective Incident Investigation is a powerful tool that gives you a detailed step-by-step process for learning from experience. Reach for this handbook any time you need field-tested advice for investigating, categorizing, reporting and trending,*

and ultimately eliminating the root causes of incidents. It includes step-by-step instructions, checklists, and forms for performing an analysis and enables users to effectively incorporate the methodology and apply it to a variety of situations. Using the structured techniques in the *Root Cause Analysis Handbook*, you will: Understand why root causes are important. Identify and define inherent problems. Collect data for problem-solving. Analyze data for root causes. Generate practical recommendations. The third edition of this global classic is the most comprehensive, all-in-one package of book, downloadable resources, color-coded RCA map, and licensed access to online resources currently available for Root Cause Analysis (RCA). Called by users "the best resource on the subject" and "in a league of its own." Based on globally successful, proprietary methodology developed by ABS Consulting, an international firm with 50 years' experience in 35 countries. *Root Cause Analysis Handbook* is widely used in corporate training programs and college courses all over the world. If you are responsible for quality, reliability, safety, and/or risk management, you'll want this comprehensive and practical resource at your fingertips. The book has also been selected by the American Society for Quality (ASQ) and the Risk and Insurance Society (RIMS) as a "must have" for their members.

FUNDAMENTALS OF ECONOMICS FOR APPLIED ENGINEERING

CRC Press An easy-to-follow contemporary engineering economics text that helps making sound economic decisions without advanced mathematics. This one-semester introduction to the fundamentals of engineering economics provides an overview of the basic theory and mathematics underlying operational business decisions that engineering technology, engineering, and industrial technology students will face in the workplace. A basic knowledge of economics empowers a manager to balance costs with production. This new edition of *Fundamentals of Economics for Engineering Technologists and Engineers* is written in plain language. Concepts have been simplified and kept straightforward with an emphasis on "how to apply" economic principles. Practical examples as a tool for managing business data and giving detailed analysis of business operations. throughout the text make good use of Microsoft Excel templates, provided on the book's companion website, for students. Chapter-end exercises provide discussion and multiple-choice questions along with numerical problems, and a solutions manual and instructor resources is given for adopting instructors.

NELSON'S PERPETUAL LOOSE-LEAF ENCYCLOPAEDIA

AN INTERNATIONAL WORK OF REFERENCE

ENGINEERING ECONOMICS FOR THE 21ST CENTURY

John Wiley & Sons Provides a modern presentation that eliminates the seven limitations of past and present engineering economics texts: Contains the 12-FACTOR Calculator, an Excel spreadsheet designed by author to provide the values of the 12 factors of engineering economics for arbitrary values of i , g (), and N Contains the ANNUAL and PRESENT WORTH COMPARISON Calculators with

Component Replacements for comparing equipment purchase quotations Defines quasi-simple investments and presents a Step-by-Step procedure for calculating their IRRs and balances Presents a classification of the four common non-simple investments and provides Step-by-Step procedures for calculating their IRRs and balances Compares the different profitability measures for the same investment: pretax IRR, aftertax IRR, aftertax sensitivity analysis, net present value, accounting rate of return, benefit-cost ratio, and payback period

BROKEN CAPITALISM

THIS IS HOW WE FIX IT

Angelpay Foundation *When the 10 largest corporations have more combined economic power than 92% of all countries on Earth combined, the 50 largest financial corporations control wealth equal to 90% of Earth's GDP, the richest 1% of humans have more wealth than 99% of the world combined, and the eight richest humans have more wealth than the bottom 50% of Earth's entire population combined . . . it's safe to say humanity is in trouble. This is the only book you ever need to read to understand exactly what is wrong with our global economy today and how to fix it. Written by International Political Economy expert and former U.S. Government Intelligence operative, Ferris Eanfar. All proceeds go to the nonprofit, nonpartisan AngelPay Foundation.*

AN INTRODUCTION TO MECHANICAL ENGINEERING

Cengage Learning *AN INTRODUCTION TO MECHANICAL ENGINEERING introduces students to the ever-emerging field of mechanical engineering, giving an appreciation for how engineers design the hardware that builds and improves societies all around the world. Intended for students in their first or second year of a typical college or university program in mechanical engineering or a closely related field, the text balances the treatments of technical problem-solving skills, design, engineering analysis, and modern technology. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.*

NELSON'S ENCYCLOPAEDIA

EVERYBODY'S BOOK OF REFERENCE ...

AN INTRODUCTION TO MECHANICAL ENGINEERING, SI EDITION

Cengage Learning *AN INTRODUCTION TO MECHANICAL ENGINEERING introduces students to the ever-emerging field of mechanical engineering, giving an appreciation for how engineers design the hardware that builds and improves societies all around the world. Intended for students in their first or second year of a typical college or university program in mechanical engineering or a closely related field, the text balances the treatments of technical problem-solving skills, design, engineering analysis, and modern technology. Important Notice: Media content referenced within the product description or the product text may not be available in*

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ENGINEERING EDUCATION TRENDS IN THE DIGITAL ERA

IGI Global As the most influential activity for social and economic development of individuals and societies, education is a powerful means of shaping the future. The emergence of physical and digital technologies requires an overhaul that would affect not only the way engineering is approached but also the way education is delivered and designed. Therefore, designing and developing curricula focusing on the competencies and abilities of new generation engineers will be a necessity for sustainable success. *Engineering Education Trends in the Digital Era* is a critical scholarly resource that examines more digitized ways of designing and delivering learning and teaching processes and discusses and acts upon developing innovative engineering education within global, societal, economic, and environmental contexts. Highlighting a wide range of topics such as academic integrity, gamification, and professional development, this book is essential for teachers, researchers, educational policymakers, curriculum designers, educational software developers, administrators, and academicians.