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#### SOLUTION FOCUS: HOW TO TRANSFORM PROBLEMS INTO SOLUTIONS

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*Sandra L Washington* In recognizing the limitations of traditional problem solving methods, solution focus has aided many individuals in changing their perception of problems and transforming them into solutions. Regardless of what difficulties one may be tackling, this book offers practical skills for overcoming. Filled with examples and illustrations, it addresses and explains the role of the all important "miracle" questions as well as "exceptions," "escalating," and "coping" questions to help identify leverage points for change. Active listening, a key solution focus skill is reviewed extensively. In addition, readers will learn how to establish well-formed goals and understand the truth of the philosophical statement "if it isn't broke, don't fix it." Solution Focus™ radical simplicity diverts your attention away from the often frustrating search for the causes of problems and directs it to solutions; away from your weaknesses to your strengths; away from what is going wrong, to what is going right in your life. Though it may not be a fix-all, it will certainly give you a viable alternative to outdated problem solving strategies and teaches how to put solution focused knowledge into everyday practical use. If you want to learn a new way of assisting yourself or others to deal more creatively and effectively with problems, then you are encouraged to explore Solution Focus™ simple principles and tools for positive change.

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### EXCEL HSC PHYSICS

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*Pascal Press*

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### ENGINEERING FLUID MECHANICS SOLUTION MANUAL

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*Bookboon*

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### SOLUTIONS TO PROBLEMS IN HEAT TRANSFER. TRANSIENT CONDUCTION OR UNSTEADY CONDUCTION

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*Anchor Academic Publishing* Many heat transfer problems are time dependent. Such unsteady or transient problems typically arise when the boundary conditions of a system are changed. For example, if the surface temperature of a system is altered, the temperature at each point in the system will also begin to change. The changes will continue to occur until a steady state temperature distribution is reached. Consider a hot metal billet that is removed from a furnace and exposed to a cool air stream. Energy is transferred by convection and radiation from its surface to the surroundings. Energy transfer by conduction also occurs from the interior of the metal to the surface, and the temperature at each point in the billet decreases until a steady state condition is reached. The final properties of the metal will depend significantly on the time - temperature history that results from heat transfer. Controlling the heat transfer is one key to fabricating new materials with enhanced properties. The author's objective in this textbook is to develop procedures for determining the time dependence of the temperature distribution within a solid during a transient process, as well as for determining heat transfer between the solid and its surroundings. The nature of the procedure depends on assumptions that may be made for the process. If, for example, temperature gradients within the solid may be neglected, a comparatively simple approach, termed the lumped capacitance method or negligible internal resistance theory, may be used to determine the variation of temperature with time. The entire book has been thoroughly revised and a large number of solved examples and additional unsolved problems have been added. This book contains comprehensive treatment of the subject matter in simple and direct language. The book comprises eight chapters. All chapters are saturated with much needed text supported and by simple and

self-explanatory examples.

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## GROUP INVARIANCE IN ENGINEERING BOUNDARY VALUE PROBLEMS

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*Springer Science & Business Media* **REFERENCES . 156** 9 Transformation of a Boundary Value Problem to an Initial Value Problem . 157 9.0 Introduction . 157 9.1 Blasius Equation in Boundary Layer Flow . 157 9.2 Longitudinal Impact of Nonlinear Viscoplastic Rods . 163 9.3 Summary . 168 **REFERENCES . . . . . 168** . 10 From Nonlinear to Linear Differential Equations Using Transformation Groups. . . . . 169 . 10.1 From Nonlinear to Linear Differential Equations . 170 10.2 Application to Ordinary Differential Equations -Bernoulli's Equation . . . . . 173 10.3 Application to Partial Differential Equations -A Nonlinear Chemical Exchange Process . 178 10.4 Limitations of the Inspectional Group Method . 187 10.5 Summary . 188 **REFERENCES . . . . 188** 11 Miscellaneous Topics . 190 11.1 Reduction of Differential Equations to Algebraic Equations 190 11.2 Reduction of Order of an Ordinary Differential Equation . 191 11.3 Transformation From Ordinary to Partial Differential Equations-Search for First Integrals . . . . . " 193 . 11.4 Reduction of Number of Variables by Multiparameter Groups of Transformations . . . . . 194 11.5 Self-Similar Solutions of the First and Second Kind . . 202 11.6 Normalized Representation and Dimensional Consideration 204 **REFERENCES .206 Problems . 208 .220 Index .. Chapter 1 INTRODUCTION AND GENERAL OUTLINE** Physical problems in engineering science are often described by differential models either linear or nonlinear. There is also an abundance of transformations of various types that appear in the literature of engineering and mathematics that are generally aimed at obtaining some sort of simplification of a differential model.

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## MODERN PROBLEMS OF ACOUSTICS AND HYDROACOUSTICS

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*Cambridge Scholars Publishing* This collection brings together studies of isotropic and anisotropic scatterers and waveguides, hydroacoustic antennas for echo sounders, frequency, pulse and transitional characteristics of loudspeakers, and oil residues in railway tanks. It also investigates numerical solutions of sound scattering problems by bodies of non-analytical forms using the boundary element method.

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## ON THE BRINK

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*Lulu.com*

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## SEPARABLE OPTIMIZATION

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### THEORY AND METHODS

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*Springer Nature* In this book, the theory, methods and applications of separable optimization are considered. Some general results are presented, techniques of approximating the separable problem by linear programming problem, and dynamic programming are also studied. Convex separable programs subject to inequality/ equality constraint(s) and bounds on variables are also studied and convergent iterative algorithms of polynomial complexity are proposed. As an application, these algorithms are used in the implementation of stochastic quasigradient methods to some separable stochastic programs. The problems of numerical approximation of tabulated functions and numerical solution of overdetermined systems of linear algebraic equations and some systems of nonlinear equations are solved by separable convex unconstrained minimization problems. Some properties of the Knapsack polytope are also studied. This second edition includes a substantial amount of new and revised content. Three new chapters, 15-17, are included. Chapters 15-16 are devoted to the further analysis of the Knapsack problem. Chapter 17 is focused on the analysis of a nonlinear transportation problem. Three new Appendices (E-G) are also added to this edition and present technical details that help round out the coverage. Optimization problems and methods for solving the problems considered are interesting not only from the viewpoint of optimization theory, optimization methods and their applications, but also from the viewpoint of other fields of science, especially the artificial intelligence and machine learning fields within computer science. This book is intended for the researcher, practitioner, or engineer who is interested in the detailed treatment of separable programming and wants to take advantage of the latest theoretical and algorithmic results. It may also be used as a textbook for a special topics course or as a supplementary textbook for graduate courses on nonlinear and convex optimization.

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## SEPARABLE PROGRAMMING

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## THEORY AND METHODS

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*Springer Science & Business Media* In this book, the author considers separable programming and, in particular, one of its important cases - convex separable programming. Some general results are presented, techniques of approximating the separable problem by linear programming and dynamic programming are considered. Convex separable programs subject to inequality/ equality constraint(s) and bounds on variables are also studied and iterative algorithms of polynomial complexity are proposed. As an application, these algorithms are used in the implementation of stochastic quasigradient methods to some separable stochastic programs. Numerical approximation with respect to l1 and l4 norms, as a convex separable nonsmooth unconstrained minimization problem, is considered as well. Audience: Advanced undergraduate and graduate students, mathematical programming/ operations research specialists.

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## ECOLOGY AND NATURAL RESOURCE DEVELOPMENT IN THE WESTERN HIGHLANDS OF CAMEROON. ISSUES IN NATURAL RESOURCE MANAGEMENT

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### ISSUES IN NATURAL RESOURCE MANAGEMENT

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*African Books Collective* The densely populated Bamenda Highlands of Cameroon remains one of the regions with the greatest land degradation problems in the country. Factors responsible for this include climate change, the hilly nature or topographic layout of the land, and human interference through overgrazing, destructive agricultural practices and the impact of deforestation. This detailed study of resource management and its ecological challenges in the Bamenda Highlands, stresses an important link between falling food output and soil deterioration. While most areas in this predominantly agricultural region enjoy food abundance, the inhabitants of high-density infertile, rugged mountainous areas are forced to resort to double cropping and intensified land exploitation that leave little room for soil regeneration. The population problem in relation to land degradation is infinitely more complicated than the region's sheer ability to produce enough food supply. The authors make a strong case for a delicate balance between human agency and environmental protection in this highly populated and physically challenging region where land is a precious resource and land conflicts are common.

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## DIMENSIONAL ANALYSIS AND INTELLIGENT EXPERIMENTATION

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*World Scientific Publishing Company* Dimensional analysis is a magical way of finding useful results with almost no effort. It makes it possible to bring together the results of experiments and computations in a concise but exact form, so that they can be used efficiently and economically to make predictions. It takes advantage of the fact that phenomena go their way independently of the units we measure them with, because the units have nothing to do with the underlying physics. This simple idea turns out to be unexpectedly powerful. Students often fail to gain from dimensional analysis, because bad teaching has led them to suppose it cannot be used to derive new results, and can only confirm results that have been secured by some other route. That notion is false. This book demonstrates what can be done with dimensional analysis through a series of examples, starting with Pythagoras' theorem and the simple pendulum, and going on to a number of practical examples, many from the author's experience in ocean engineering. In parallel, the book explains the underlying theory, starting with Vaschy's elegant treatment, whilst avoiding unnecessary complexity. It also explores the use and misuse of models, which can be useful but can also be seriously misleading.

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## DECISION-MAKING IN THE ABSENCE OF CERTAINTY

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## HEAT TRANSFER

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### A MODERN APPROACH

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*Springer Science & Business Media* There have been significant changes in the academic environment and in the workplace related to computing. Further changes are likely to take place. At Rensselaer Polytechnic Institute, the manner in which the subject of heat transfer is presented is evolving so as to accommodate to and, indeed, to participate in, the changes. One obvious change has been the introduction of the electronic calculator. The typical engineering student can now evaluate logarithmic functions, trigonometric functions, and hyperbolic functions accurately by pushing a button. Teaching techniques and text presentations designed to avoid evaluation of these functions or the need to look them up in tables with associated interpolation are no longer necessary. Similarly, students are increasingly proficient in the use of computers. At RPI, every engineering student takes two

semesters of computing as a fresh man and is capable of applying the computer to problems he or she encounters. Every student is given personal time on the campus computer. In addition, students have access to personal computers. In some colleges, all engineering students are provided with personal computers, which can be applied to a variety of tasks.

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### **APPLIED MECHANICS REVIEWS**

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### **PARTIAL DIFFERENTIAL EQUATIONS AND SYSTEMS NOT SOLVABLE WITH RESPECT TO THE HIGHEST-ORDER DERIVATIVE**

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*CRC Press* Offering in-depth analyses of current theories and approaches related to Sobolev-type equations and systems, this reference is the first to introduce a classification of equations and systems not solvable with respect to the highest order derivative, and it studies boundary value problems for these classes of equations. Presenting 2200 equations, t

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### **MARRIAGE, DIVORCE, AND THE ABANDONED WIFE IN JEWISH LAW**

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### **A CONCEPTUAL UNDERSTANDING OF THE AGUNAH PROBLEMS IN AMERICA**

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*KTAV Publishing House, Inc.* One of the most vexing problems to confront American Orthodox Jewry is where a wife is abandoned by her husband who refuses to give her a Jewish divorce. This work seeks to explain the agunah problem in the United States. It notes that the contemporary agunah problem in America is radically different than that of contemporary Israel and completely different than the talmudic agunah problem. The thesis of this book is that the agunah problem in contemporary America is part of a more general dispute in classical Jewish law as to when marriage should end. Thus, this book surveys how Jewish law seeks to respond to the consent of the other party or without a finding of fault. It concludes by noting that prenuptial agreements can successfully address the agunah problem in the United States since they provide a way for couples to create an image of marriage and divorce by which they can agree to live. Michael J. Broyde is an Associate Professor of Law at Emory University and the Academic Director of Law and Religion Program at Emory University. He is a member (dayan) in the Beth Din of America and was the director of that Beth Din while on sabbatical from Emory. In addition, he is the founding rabbi of the Young Israel synagogue in Atlanta. Professor Broyde is the author of *The Pursuit of Justice in Jewish Law* and co-author of *Human Rights in Judaism*.--  
Amazon.com.

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### **VERIFICATION OF COMPUTER CODES IN COMPUTATIONAL SCIENCE AND ENGINEERING**

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*CRC Press* How can one be assured that computer codes that solve differential equations are correct? Standard practice using benchmark testing no longer provides full coverage because today's production codes solve more complex equations using more powerful algorithms. By verifying the order-of-accuracy of the numerical algorithm implemented in the code, one can detect most any coding mistake that would prevent correct solutions from being computed. *Verification of Computer Codes in Computational Science and Engineering* sets forth a powerful alternative called OVMSP: Order-Verification via the Manufactured Solution Procedure. This procedure has two primary components: using the Method of Manufactured Exact Solutions to create analytic solutions to the fully-general differential equations solved by the code and using grid convergence studies to confirm the order-of-accuracy. The authors present a step-by-step procedural guide to OVMSP implementation and demonstrate its effectiveness. Properly implemented, OVMSP offers an exciting opportunity to identify virtually all coding 'bugs' that prevent correct solution of the governing partial differential equations. *Verification of Computer Codes in Computational Science and Engineering* shows you how this can be done. The treatment is clear, concise, and suitable both for developers of production quality simulation software and as a reference for computational science and engineering professionals.

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### **BOUNDARY VALUE PROBLEMS OF HEAT CONDUCTION**

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*Courier Corporation* Intended for first-year graduate courses in heat transfer, this volume includes topics relevant to chemical and nuclear engineering and aerospace engineering. The systematic and comprehensive treatment employs modern mathematical methods of solving problems in heat conduction and diffusion. Starting with precise coverage of heat flux as a vector, derivation of the conduction equations, integral-transform technique, and coordinate transformations, the text advances to problem characteristics peculiar to Cartesian, cylindrical, and spherical coordinates; application of Duhamel's method; solution of heat-conduction problems; and the integral method of solution of nonlinear conduction problems. Additional topics include useful transformations in the solution of nonlinear boundary value problems of heat conduction; numerical techniques such as the finite differences and the Monte Carlo method; and anisotropic solids in relation to resistivity and conductivity tensors. Illustrative examples and problems amplify the text, which is supplemented by helpful appendixes.

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**BECOMING SOLUTION-FOCUSED IN BRIEF THERAPY**

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*Routledge* Published in 1992, *Becoming Solution-Focused In Brief Therapy* is a valuable contribution to the field of Psychotherapy.

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**A PROBLEM-BASED APPROACH FOR MANAGEMENT EDUCATION**

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**PREPARING MANAGERS FOR ACTION**

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*Springer Science & Business Media* This book describes the use of problem-based learning (PBL) in management education. The authors draw upon their experience in using PBL in a broad array of management education programs at the Bachelor, Master, Doctoral and Executive levels, in North American and in Asia. The book explores how PBL can make knowledge about management locally relevant, and clarifies how PBL can enable students to apply their knowledge to real problems.

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**MODERN ATOMIC AND NUCLEAR PHYSICS**

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**PROBLEMS AND SOLUTIONS MANUAL REVISED**

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*World Scientific Publishing Company* This problems and solutions manual is intended as a companion to an earlier textbook, *Modern Atomic and Nuclear Physics (Revised Edition)* (World Scientific, 2010). This manual presents solutions to many end-of-chapter problems in the textbook. These solutions are valuable to the instructors and students working in the modern atomic field. Students can master important information and concept in the process of looking at solutions to some problems, and become better equipped to solve other problems that the instructors propose. This solutions manual has a companion textbook. They are available as a paperback set with *Modern Atomic and Nuclear Physics (Revised Edition)*. Sample Chapter(s) Chapter 1: Theory of Relativity (63 KB) Chapter 2: The Configuration of Atom: Rutherford's Model (85 KB) Chapter 12: Nuclear Interactions and Reactions (103 KB)

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**STUDENT SOLUTIONS MANUAL TO ACCOMPANY THE SYSTEMATIC IDENTIFICATION OF ORGANIC COMPOUNDS, 8E**

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*John Wiley & Sons* Complete solutions to in-text problems The Student Solutions Manual to accompany *The Systematic Identification of Organic Compounds, 8th Edition* is an essential resource for any student using the parent text in class. Providing complete solutions to all practice problems provided in the textbook, this book allows you to assess your understanding of difficult material and clarify complex topics. Fully aligned with the text, this book details structures, formulas, mechanisms, and more to help you pinpoint areas of difficulty and focus your study time for more efficient learning.

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**PLACES OF REFUGE FOR SHIPS IN DISTRESS**

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**PROBLEMS AND METHODS OF RESOLUTION**

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*Martinus Nijhoff Publishers* By examining the problem of places of refuge for ships in distress and proposed solutions under international, national and regional law, *Places of Refuge for Ships in Distress* by Anthony Morrison highlights the need for further solutions and presents alternative solutions.

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**THE GRAMMAR PROBLEM IN HIGHER EDUCATION IN CAMEROON**

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**ASSESSING WRITTEN STANDARD ENGLISH AMONG UNDERGRADUATES OF THE DEPARTMENT OF ENGLISH AT THE UNIVERSITY OF YAOUNDE 1**

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*Cambridge Scholars Publishing* This book describes the English grammar weaknesses manifested in the written work of young Cameroonians in tertiary education. It identifies the areas where the problems are most acute, seeks the reasons for such low grammar competences, and suggests possible solutions to the problems. The Error Analysis Approach suggested by authors like S.P. Corder and J.C. Richards was used to carry out the study. The book will be of interest to all L2 learners and teachers of English, to language policy makers of L2 English, and to all those who wish to see that Standard British English is preserved to a greater extent in English-speaking places outside Britain, despite the on-going indigenisation of this global language.

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## PROBLEMS AND SOLUTIONS IN PLANE TRIGONOMETRY (LATEX EDITION)

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### FOR THE USE OF COLLEGES AND SCHOOLS

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*Ancient Science Publishers* **Highly Recommended for IIT JEE and Olympiads 1000+ Problems with Solutions and 100+ Articles** This book collects together the problems set out at end of each chapter in the author's Textbook of Plane Trigonometry along with the possible solutions, which are linked with an explanation of the sort of reasoning used in order to arrive at one of the answers. In many cases, several answers are given for one question. The result is a book which can be used independently of the main volume. This book helps in acquiring a better understanding of the basic principles of Plane Trigonometry and in revising a large amount of the subject matter quickly. It is also to be noticed, that each Example, or Problem is here enunciated at the head of its Solution as well as all the relevant articles are part of the appendix; so that the book, though a fitting Companion to the textbook, is not inseparable from it, but may be used, as a Book of Exercises, with any other treatise on Plane Trigonometry. We are grateful for this opportunity to put the materials into a consistent format, and to correct errors in the original publication that have come to our attention. We are highly indebted to Chandra Shekhar Kumar for the fruitful discussions which led to the idea of masterminding this entire project. He helped us put hundreds of pages of typographically difficult material into a consistent digital format. The process of compiling this book has given us an incentive to improve the layout, to double-check almost all of the mathematical rendering, to correct all known errors, to improve the original illustrations by redrawing them with Till Tantau's marvelous TikZ. Thus the book now appears in a form that we hope will remain useful for at least another generation.

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### PHYSICS

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*Pascal Press* **Contains a comprehensive summary of the entire course, activities, glossary of terms and a list of websites.**

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### THE SOLUTION TO ALL OF HUMANITY'S PROBLEMS AND THE SECRET TO CREATING THE LIFE YOU WANT

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*Lulu.com* **From the upper echelons of the scientific establishment comes a completely new definition of reality and the human being. The most advanced physics in the world suggests that accumulated knowledge in all fields is based on a false premise. Time is an illusion and the past does not create the present, but that is not all. All curriculum from grade school to university will need to be entirely overhauled. The end result will be a complete and total reversal of focus that will bring about a new human with entirely new and powerful ways of achieving goals and solving problems. Learn how to become powerful and unstoppable by having the right knowledge. We unknowingly wield immense power. We must recognize the fantastic power we possess and learn to use it constructively. Here and now we have the power to work magic of such proportions we have never fathomed. Yet unseized, such power waits for us to claim it. It is of no use until we awaken to it. It is all here, in the solution.**

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### FINITE ELEMENT MODELING OF ELASTOHYDRODYNAMIC LUBRICATION PROBLEMS

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*John Wiley & Sons* **Covers the latest developments in modeling elastohydrodynamic lubrication (EHL) problems using the finite element method (FEM)** This comprehensive guide introduces readers to a powerful technology being used today in the modeling of elastohydrodynamic lubrication (EHL) problems. It provides a general framework based on the finite element method (FEM) for dealing with multi-physical problems of complex nature (such as the EHL problem) and is accompanied by a website hosting a user-friendly FEM software for the treatment of EHL problems, based on the methodology described in the book. Finite Element Modeling of Elastohydrodynamic Lubrication Problems begins with an introduction to both the EHL and FEM fields. It then covers Standard FEM modeling of EHL problems, before going over more advanced techniques that employ model order reduction to allow significant savings in computational overhead. Finally, the book looks at applications that show how the developed modeling framework could be used to accurately predict the performance of EHL contacts in terms of lubricant film thickness, pressure build-up and friction coefficients under different configurations. Finite Element Modeling of Elastohydrodynamic Lubrication Problems offers in-depth chapter coverage of Elastohydrodynamic Lubrication and its FEM Modeling, under Isothermal Newtonian and Generalized-Newtonian conditions with the inclusion of Thermal Effects; Standard FEM Modeling; Advanced FEM Modeling, including Model Order Reduction techniques; and Applications, including Pressure, Film Thickness and Friction Predictions, and Coated EHL. This book: **Comprehensively covers the latest technology in modeling EHL problems** **Focuses on the FEM modeling of EHL problems** **Incorporates advanced techniques based on model order reduction** **Covers applications of the method to complex EHL problems** **Accompanied by a website hosting a user-friendly FEM-based EHL software** Finite Element Modeling of Elastohydrodynamic Lubrication Problems is an ideal book for researchers and graduate students in the field of Tribology.

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## DESIGNING SOLUTIONS FOR YOUR BUSINESS PROBLEMS

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### A STRUCTURED PROCESS FOR MANAGERS AND CONSULTANTS

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*John Wiley & Sons* **Designing Solutions for Your Business Problems** is an essential resource for managers and consultants who help organizations resolve ambiguous problems and develop new opportunities. Taking a hands-on, practical approach, Betty Vandebosch—a leading management consultant and educator—outlines the details on how to conduct a proven process for designing solutions. *Designing Solutions for Your Business Problems* will teach you how to curtail investigation and generate and justify ideas without sacrificing thoroughness, creativity, persuasiveness, and fit. You will be able to capitalize on more opportunities, and your problem-solving skills will become more efficient and your solutions more compelling. This book will help you design better solutions and design them faster. Betty Vandebosch offers a variety of useful techniques such as the "scooping diagram," which provides a framework for action, and the "logic diagram," which tests the validity of a potential solution. In addition, the book contains illustrative real-life examples of the *Designing Solutions* approach from a variety of organizations.

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### THE IMPACT OF COMMUNITY LAW ON TAX TREATIES:ISSUES AND SOLUTIONS

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*Kluwer Law International B.V.* **Study on the question of harmonization of direct taxation among European Community Member States: how Member States must comply with EC Law as they apply their tax treaties, how EC law regulates cross-border tax issues within the Community, and how EC law affects tax treaties between EU Member States and third countries.** The book provides expert commentary on 27 leading tax cases from the European Court of Justice, and gives the proposal of EC Model Tax Convention, which combines existing provisions of international tax law with the principles of Community tax law.

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### 'DISCOVERY' IN LEGAL DECISION-MAKING

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*Springer Science & Business Media* This book deals with a central problem throughout the legal profession -a solution to the problem is sought and reached in some basic form. At the centre of this problematic is the question indicated by the title: "What is the nature of "discovery" in legal decision-making?" In the final chapter that problem and the solution reached will be seen to have ramifications throughout the entire field of legal practice and theory. However, the focus of the argument is maintained first to specify adequately the particular manifestation of the problem in a variety of legal fields and secondly to arrive at a precise basic solution to this range of problems. The presentation of the solution is not dictated by the norms of clarity and coherence, but by the dynamics of the struggle to reach the solution and by aspects of the problem available to various sub-groups within the legal profession -theorists, judges, arbitrators. So, I begin from a relatively familiar zone, discussions of discovery in legal theory before moving to more unfamiliar territory. This book is not a thorough survey of problems and writings on discovery. Rather, the strategic selection of problems and assessment of solutions across the first four chapters represents four aspects of the problem. Those chapters invite the reader to rise to the sense of occurrence of a single problem in a variety of contexts.

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### CITIZEN POWER

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#### A CITIZEN LEADERSHIP MANUAL INTRODUCING THE ART OF NO-BLAME PROBLEM SOLVING

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*Rutgers University Press* **CITIZEN POWER** gives all Americans the know how to become no-blame problem solvers and be part of what is emerging as a new model for a citizen driven national public service

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### ELEMENTS OF NUMBER THEORY

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*Courier Dover Publications* Clear, detailed exposition that can be understood by readers with no background in advanced mathematics. More than 200 problems and full solutions, plus 100 numerical exercises. 1949 edition.

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### PUBLICATION

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## THE SOLUTION PATH

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### A STEP-BY-STEP GUIDE TO TURNING YOUR WORKPLACE PROBLEMS INTO OPPORTUNITIES

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*John Wiley & Sons* Problem solving is one of the most valuable skills for managers, supervisors, and executives. In *The Solution Path*, Tasos Sioukas combines practical techniques and tools with spirituality, life skills, and an emphasis on relationships and teams. He presents proven methods that enable readers to take action and create solutions. Unlike other books on the subject that leave readers thirsty for inspiration, Sioukas inspires readers to capitalize on positive thinking and their own creative abilities. He assists readers to understand themselves and others so that they can build effective problem-solving teams and enables them to use facilitation, a set of techniques that help team members maximize their time together. *The Solution Path* supports readers in taking action on a specific challenge. It provides a step-by-step path to solutions, which begins by visualizing ideal outcomes and using creativity exercises to generate as many ideas as possible, continues with synthesizing the ideas into the best workable solution, and ends with designing an action plan to make the solution a reality. *The Solution Path* maximizes the collective genius of teams while achieving buy-in and commitment for lasting organizational change.

### GAME THEORETIC PROBLEMS IN NETWORK ECONOMICS AND MECHANISM DESIGN SOLUTIONS

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*Springer Science & Business Media* This monograph focuses on exploring game theoretic modeling and mechanism design for problem solving in Internet and network economics. For the first time, the main theoretical issues and applications of mechanism design are bound together in a single text.

### WORKING WITH CHILDREN AND TEENAGERS USING SOLUTION FOCUSED APPROACHES

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### ENABLING CHILDREN TO OVERCOME CHALLENGES AND ACHIEVE THEIR POTENTIAL

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*Jessica Kingsley Publishers* Solution focused approaches offer proven ways of helping children overcome a whole range of difficulties, from academic problems to mental health issues, by helping them to identify their strengths and achievements. Based on solution focused practice principles, this book illustrates communication skills and playful techniques for working with all children and young people, regardless of any health, learning or development need. It demonstrates how the approach can capture children's views, wishes and worries, and can assist them in identifying their strengths and abilities. The approach encourages positive decision-making, and helps children to overcome challenges, achieve their goals and reach their full potential. The book is packed with case examples, practical strategies, and practice activities. This valuable text will be of great use to a range of practitioners working with children and young people, including social workers, youth workers, counsellors, teachers and nurses.

### ADVANCED ENGINEERING MATHEMATICS

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*Jones & Bartlett Publishers* Now with a full-color design, the new Fourth Edition of Zill's *Advanced Engineering Mathematics* provides an in-depth overview of the many mathematical topics necessary for students planning a career in engineering or the sciences. A key strength of this text is Zill's emphasis on differential equations as mathematical models, discussing the constructs and pitfalls of each. The Fourth Edition is comprehensive, yet flexible, to meet the unique needs of various course offerings ranging from ordinary differential equations to vector calculus. Numerous new projects contributed by esteemed mathematicians have been added. New modern applications and engaging projects makes Zill's classic text a must-have text and resource for Engineering Math students!

### THE ULTIMATE AFRICAN SOLUTION, RACE...FIRST BRICK

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*First Edition Design Pub.* Ever since I came into being, I've often wondered about the real purpose for my existence. I observe the surrounding elements, the sun, the moon, the astronomical number of stars and galaxies, and to be a part of this universal expanse, makes me believe that there is much more to this equation, than being born, live, then die. I arrived on this earth through the African bloodline and it didn't take long to notice the vast discrepancies amongst the races, where Africans are thoroughly overlooked on the world stage. We are underrepresented in regards to important decisions been made above our heads and disrespect of the Black race is "IN YOUR FACE" blatant. A Black person born today will endure the same fate as Black people did a hundred years ago and the system is designed to maintain Africans in the same dependent position for many generations to come. Black people in the western hemisphere has been geared to only strive for an elusive equality, when reunification with Mother Africa should be our ultimate goal to achieve racial parity. **THE ULTIMATE AFRICAN SOLUTION** will solve all of Black people's problems and provide the whole African race with one hundred percent employment for this, and

future generations. The negative effects that slavery and colonialism has on the African's psyche, must be affectedly nullified first and foremost, in order to step up in race. There are numerous steps to take to overcome the mental struggles caused from the enslavement of the mind syndrome and ridding the African race of "self-hate" tops the list. Africans!!! It is imperative that we revel in each other's successes and instead of willfully keeping ourselves down, we offer helping hands to pick each other up. Africa is due reparation for the atrocities that our ancestors had to bear, in order for the two races here in question, to be able to truly coexist as nature intended. Fighting on their behalf, to make right them being wronged throughout five hundred years of recent history and still counting, will allow our deserving ancestors to finally rest in peace. THE ULTIMATE AFRICAN SOLUTION will be achieved without any human beings losing their lives. No one have to die.

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## **SOLUTIONS IN STATISTICS AND PROBABILITY**

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*Amer Sciences Press*