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Schaum's Outline of Basic Mathematics for Electricity and Electronics - Arthur Beiser 1993-03-22
Confusing Textbooks? Missed Lectures? Not Enough Time? Fortunately for you, there's Schaum's Outlines. More than 40 million students have trusted Schaum's to help them succeed in the classroom and on exams. Schaum's is the key to faster learning and higher grades in every subject. Each Outline presents all the essential course information in an easy-to-follow, topic-by-topic format. You also get hundreds of examples, solved problems, and practice exercises to test your skills. This Schaum's Outline gives you Practice problems with full explanations that reinforce knowledge Coverage of the most up-to-date developments in your course field In-depth review of practices and applications Fully compatible with your classroom text, Schaum's highlights all the important facts you need to know. Use Schaum's to shorten your study time-and get your best test scores! Schaum's Outlines-Problem Solved.

Statistical Analysis for Engineers and Scientists - J. Wesley Barnes 1993

This text covers topics such as nonparametric statistics, statistical quality control, multivariate regression analysis and operating characteristic curves. The accompanying MAC software gives a complete treatment of statistically valid sample sizes in all tests of hypotheses addressed.

Fundamentals of Mechanical Component Design - Kenneth Scott Edwards 1991

Focusing on optimal design, this book covers such topics as fracture, mechanics, bolted joints, composite materials, weld components and fatigue testing. Computer techniques are featured throughout the book and there is a whole chapter on CAD/CAM.

Schaum's Outline of Numerical Analysis - Francis Scheid 1988

If you want top grades and thorough understanding of numerical analysis, this powerful study tool is the best tutor you can have! It takes you step-by-step through the subject and gives you accompanying related problems with fully worked solutions. You also get additional problems to solve on your own, working at your own speed. (Answers at the back show you how you're doing.) Famous for their clarity, wealth of illustrations and examples—and lack of dreary minutiae—Schaum's Outlines have sold more than 30 million copies worldwide. This guide will show you why!

Schaum's Outline of Partial Differential Equations - Paul C. DuChateau 1986

Covers elliptic, evolution, and first-order equations, integral transforms, and Green's functions, and includes sample exercises

Schaum's Outline of Physical Chemistry - Clyde R. Metz 1989

Confusing Textbooks? Missed Lectures? Not Enough Time? Fortunately for you, there's Schaum's Outlines. More than 40 million students have trusted Schaum's to help them succeed in the classroom and on exams. Schaum's is the key to faster learning and higher grades in every subject. Each Outline presents all the essential course information in an easy-to-follow, topic-by-topic format. You also get hundreds of examples, solved problems, and practice exercises to test your skills. This Schaum's Outline gives you Practice problems with full explanations that reinforce knowledge Coverage of the most up-to-date developments in your course field In-depth review of practices and applications Fully compatible with your classroom text, Schaum's highlights all the important facts you need to know. Use Schaum's to shorten your study time-and get your best test scores! Schaum's Outlines-Problem Solved.

Foundation of Mechanical Engineering, 4th Ed. - R.K. Purohit 2011-02-01

Foundation of Mechanical Engineering is solely written with the view to help B.E. I year students to master the

difficult concepts. Needless to emphasise, this new book has been designed a self learning capsule. With this aim in view, the material has been organised in a logical order and lots of solved problems and line diagrams have been incorporated to enable students to thoroughly master of the subject. It is believed that this book, solely for B.E. I year students of all branches of Engineering, will captivate the attention of senior students as well as teachers.

2000 Solved Problems in Mechanical Engineering Thermodynamics - P. E. Liley 1989

Sample problems cover a review of such topics as thermodynamic properties of fluids, steady and transient flows, carnot, gas and vapor cycles, psychrometry, refrigeration, combustion and miscellaneous topics

20 years Chapter-wise GATE Mechanical Engineering Solved Papers (2000 - 2019) with 4 Online Practice Sets - Disha Experts 2019-08-12

Schaum's Outline of Lagrangian Dynamics - Dare A. Wells 1967-06-22

The book clearly and concisely explains the basic principles of Lagrangian dynamics and provides training in the actual physical and mathematical techniques of applying Lagrange's equations, laying the foundation for a later study of topics that bridge the gap between classical and quantum physics, engineering, chemistry and applied mathematics, and for practicing scientists and engineers.

2000 Solved Problems in Discrete Mathematics - Seymour Lipschutz 1992

Master discrete mathematics with Schaum's--the high-performance solved-problem guide. It will help you cut study time, hone problem-solving skills, and achieve your personal best on exams! Students love Schaum's Solved Problem Guides because they produce results. Each year, thousands of students improve their test scores and final grades with these indispensable guides. Get the edge on your classmates. Use Schaum's! If you don't have a lot of time but want to excel in class, use this book to: Brush up before tests Study quickly and more effectively Learn the best strategies for solving tough problems in step-by-step detail Review what you've learned in class by solving thousands of relevant problems that test your skill Compatible with any classroom text, Schaum's Solved Problem Guides let you practice at your own pace and remind you of all the important problem-solving techniques you need to remember--fast! And Schaum's are so complete, they're perfect for preparing for graduate or professional exams. Inside you will find: 2,000 solved problems with complete solutions--the largest selection of solved problems yet published on this subject An index to help you quickly locate the types of problems you want to solve Problems like those you'll find on your exams Techniques for choosing the correct approach to problems Guidance toward the quickest, most efficient solutions If you want top grades and thorough understanding of discrete mathematics, this powerful study tool is the best tutor you can have!

CAD/CAM Theory and Practice - Ibrahim Zeid 1991

This text provides coverage of the theory and practice of CAD/CAM for higher level courses in the subject. It is independent of any particular CAD/CAM system, covering CAD/CAM principles and tools in generic and basic forms. Balancing theory and practice, the book's emphasis on design and engineering applications provides students with examples of the use of CAD/CAM concepts. Each chapter contains a set of problems.

1000 Solved Problems in Heat Transfer - Donald R. Pitts 1991

A compilation of 1000 problem-solving exercises with solutions on heat transfer, this text for undergraduates aims to provide a range of all possible problems which students may face.

Thermodynamics and Heat Power - Irving Granet 2014-11-10

Building on the last edition, (dedicated to exploring alternatives to coal- and oil-based energy conversion methods and published more than ten years ago), *Thermodynamics and Heat Power, Eighth Edition* updates the status of existing direct energy conversion methods as described in the previous work. Offering a systems approach to the analysis of energy conversion methods, this text focuses on the fundamentals involved in thermodynamics, and further explores concepts in the areas of ideal gas flow, engine analysis, air conditioning, and heat transfer. It examines energy, heat, and work in relation to thermodynamics, and also explores the properties of temperature and pressures. The book emphasizes practical mechanical systems, and incorporates problems at the end of the chapters to advance the application of the material. What's New in the Eighth Edition: An emphasis on a systems approach to problems More discussion of the types of heat and of entropy Added explanations for understanding pound mass and the mole Analysis of steady flow gas processes, replacing the compressible flow section The concept of paddle work to illustrate how frictional effects can be analyzed A clearer discussion of the psychrometric chart and its usage in analyzing air conditioning systems Updates of the status of direct energy conversion systems A description of how the cooling tower is utilized in high-rise buildings Practical automotive engine analysis Expanded Brayton cycle analysis including intercooling, reheat, and regeneration and their effect on gas turbine efficiency A description of fins and how they improve heat transfer rates Added illustrative problems and new homework problems Availability of a publisher's website for fluid properties and other reference materials Properties of the latest in commercial refrigerants This text presents an understanding of basic concepts on the subject of thermodynamics and is a definitive resource for undergraduate students in engineering programs, most specifically, students studying engineering technology.

Hydrosystems Engineering and Management - Larry W. Mays 1992

This text is intended for a senior/graduate level course in hydrosystems. Students who take this course must have previously taken a course in hydrology and hydraulics. The term Hydraulics can also be used to describe different types of water projects. The scope of this text covers both of these definitions. The major focus of the text is to bring together the use of mathematical modelling with the use of hydrosystems for the analysis, design, operation and management of water projects. To accomplish this goal, the authors present the basic principles of optimization, probability, and risk analysis and then apply these principles to the areas of water supply management and water excess management.

Schaum's Outline of Theory and Problems of General, Organic, and Biological Chemistry - George G. Odian 1994

If you want top grades and excellent understanding of general, organic and biological chemistry, this powerful study tool is the best tutor you can have! It takes you step-by-step through the subject and gives you accompanying related problems with fully worked solutions. You also get hundreds of additional problems to solve on your own, working at your own speed. This superb Outline clearly presents every aspect of general, organic and biological chemistry. Famous for their clarity, wealth of illustrations and examples, and lack of dreary minutia, Schaum's Outlines have sold more than 30 million copies worldwide. Compatible with any textbook, this Outline is also perfect for self-study. For better grades in courses covering general, organic and biological chemistry, and invaluable preparation for careers in the health professions—you can't do better than this Schaum's Outline!

Schaum's Outline of Engineering Economics - Jose A. Sepulveda 1984-06-22

Algebraic relationships and solution procedures. Discrete, periodic compounding. Continuous compounding.

2500 Solved Problems in College Algebra and Trigonometry - Philip A. Schmidt 1991

700 Solved Problems In Vector Mechanics for Engineers: Dynamics - Joseph Shelley 1991-04

Provides sample problems dealing with force analysis, plane trusses, friction, centroids of plane areas, distribution of forces, and moments and products of inertia

Schaum's Outline of Tensor Calculus - David Kay 1988-04

This lucid introduction for undergraduates and graduates proves fundamental for practitioners of theoretical physics and certain areas of engineering, like aerodynamics and fluid mechanics, and extremely valuable for mathematicians. This study guide teaches all the basics and effective problem-solving skills too.

Engineering Design - George Ellwood Dieter 1991

The second edition has been reorganized so that the book starts directly with a consideration of the design process, and then goes on to show how design fits into society, the engineering organization, and technology innovation process. Much greater emphasis is given to ideas for conceptual design.

Schaum's Outline of Feedback and Control Systems, Second Edition - Joseph J. DiStefano 1990

If you want top grades and thorough understanding of feedback and control systems—both analog and digital—in less study time, this powerful study tool is the best tutor you can have! It takes you step-by-step through the subject and gives you accompanying problems with fully worked solutions—plus hundreds of additional problems with answers at the end of chapters, so you can measure your progress. You also get the benefit of clear, detailed illustrations. Famous for their clarity, wealth of illustrations and examples—and lack of tedious detail—Schaum's Outlines have sold more than 30 million copies worldwide. This guide will show you why!

Schaum's Outline of Continuum Mechanics - George Mase 1970

For comprehensive—and comprehensible—coverage of both theory and real-world applications, you can't find a better study guide than Schaum's Outline of Continuum Mechanics. It gives you everything you need to get ready for tests and earn better grades! You get plenty of worked problems—solved for you step by step—along with hundreds of practice problems. From the mathematical foundations to fluid mechanics and viscoelasticity, this guide covers all the fundamentals—plus it shows you how theory is applied. This is the study guide to choose if you want to ace continuum mechanics!

Schaum's Outline of Signals and Systems - Hwei Hsu 1995

Confusing Textbooks? Missed Lectures? Tough Test Questions? Fortunately for you, there's Schaum's Outlines. More than 40 million students have trusted Schaum's to help them succeed in the classroom and on exams. Schaum's is the key to faster learning and higher grades in every subject. Each Outline presents all the essential course information in an easy-to-follow, topic-by-topic format. You also get hundreds of examples, solved problems, and practice exercises to test your skills. This Schaum's Outline gives you Practice problems with full explanations that reinforce knowledge Coverage of the most up-to-date developments in your course field In-depth review of practices and applications Fully compatible with your classroom text, Schaum's highlights all the important facts you need to know. Use Schaum's to shorten your study time—and get your best test scores! Schaum's Outlines-Problem Solved.

Engineering Experimentation - Ernest O. Doebelin 1995

This text presents an organized treatment of the methods and tools used in engineering experimental work. It is designed for students laboratory courses, and practicing engineers engaged in experimental test and development work.

Schaum's Outline of Theory and Problems of Electronic Devices and Circuits - Jimmie J. Cathey 1989

This updated version of its internationally popular predecessor provides an introductory problem-solved text for understanding fundamental concepts of electronic devices, their design, and their circuitry. Providing an interface with Pspice, the most widely used program in electronics, new key features include a new chapter presenting the basics of switched mode power supplies, thirty-one new examples, and twenty-three PS solved problems.

Schaum's Outline of General Topology - Seymour Lipschutz 1965

Confusing Textbooks? Missed Lectures? Not Enough Time? Fortunately for you, there's Schaum's Outlines. More than 40 million students have trusted Schaum's to help them succeed in the classroom and on exams. Schaum's is the key to faster learning and higher grades in every subject. Each Outline presents all the essential course information in an easy-to-follow, topic-by-topic format. You also get hundreds of examples, solved problems, and practice exercises to test your skills. This Schaum's Outline gives you Practice problems with full explanations that reinforce knowledge Coverage of the most up-to-date developments in your course field In-depth review of practices and applications Fully compatible with your classroom text, Schaum's highlights all the important facts you need to know. Use Schaum's to shorten your study time—and get your best test scores! Schaum's Outlines-Problem Solved.

3,000 Solved Problems in Electrical Circuits - Syed A. Nasar 1988-01-22

Schaum's powerful problem-solver gives you 3,000 problems in electric circuits, fully solved step-by-step!

The originator of the solved-problem guide, and students' favorite with over 30 million study guides sold, Schaum's offers a diagram-packed timesaver to help you master every type of problem you'll face on tests. Problems cover every area of electric circuits, from basic units to complex multi-phase circuits, two-port networks, and the use of Laplace transforms. Go directly to the answers and diagrams you need with our detailed, cross-referenced index. Compatible with any classroom text, Schaum's 3000 Solved Problems in Electric Circuits is so complete it's the perfect tool for graduate or professional exam prep!

Computer-aided Problem Solving for Scientists and Engineers - Sundaresan Jayaraman 1991

This title is designed for undergraduate courses in computing or computer applications taken by engineering or science students. A brief introduction to basic computer concepts is followed by discussion of the various categories of software available for meeting the different types of tasks facing the engineer or scientist. The book includes coverage of spreadsheets, equation solving, database management, word processing, communication, graphics and utility.

Schaum's Outline of Theory and Problems of Thermodynamics for Engineers - Merle C. Potter 1995

This package develops the analysis of charge carrying systems, leading to an understanding of Maxwell's equations. Students can experiment with both advanced graphing and numerical techniques. Systems requirements are 80386/80486 PC or compatibles, Windows 3.1 or higher, 3.5 disk drive, 4 MB of RAM and 4 MB of disk space.

The Mechanical Design Process - David G. Ullman 1992

This book focuses on the process of mechanical design. It defines terms basic to studying the design process, and discusses human interface with mechanical products. Techniques are presented to aid in: problem understanding (Quality Function Development), planning, concept generation (function decomposition, morphologies), concept evaluation (technology assessment, Pugh's method), product generation (concurrent design), and product evaluation (robust design, design for assembly, design for reliability, cost estimations).

Schaum's Outline of Theory and Problems of Fluid Mechanics and Hydraulics - Ranald V. Giles 1995

If you want top grades and excellent understanding of fluid mechanics and hydraulics, this powerful study tool is the best tutor you can have! It takes you step-by-step through the subject and gives you accompanying related problems with fully worked solutions. You also get hundreds of additional problems to solve on your own, working at your own speed. This superb Outline clearly presents every aspect of fluid mechanics and hydraulics. Famous for their clarity, wealth of illustrations and examples, and lack of dreary minutiae, Schaum's Outlines have sold more than 30 million copies worldwide. Compatible with any textbook, this Outline is also perfect for self-study. For better grades in courses covering fluid mechanics and hydraulics—you can't do better than this Schaum's Outline!

Fundamentals of Fluid Film Lubrication - Bernard J. Hamrock 1994

This book is for a one-semester course entitled fluid film lubrication or tribology, for undergraduate seniors or graduate students. It focuses specifically on fluid film lubrication rather than on the general topic of tribology.

Schaum's Outline of Theory and Problems of Programming with Pascal - Byron S. Gottfried 1994

Teaches language syntax, problem-solving and algorithms, and how to write high-quality programs in PASCAL. This edition will be bound to Turbo PASCAL, the dominant implementation of the language, and all

PASCAL's features will be described in the context of the latest version of Turbo.

Schaum's Outline of Modern Abstract Algebra - Frank Ayres 1965-06-22

Confusing Textbooks? Missed Lectures? Not Enough Time? Fortunately for you, there's Schaum's Outlines. More than 40 million students have trusted Schaum's to help them succeed in the classroom and on exams. Schaum's is the key to faster learning and higher grades in every subject. Each Outline presents all the essential course information in an easy-to-follow, topic-by-topic format. You also get hundreds of examples, solved problems, and practice exercises to test your skills. This Schaum's Outline gives you Practice problems with full explanations that reinforce knowledge Coverage of the most up-to-date developments in your course field In-depth review of practices and applications Fully compatible with your classroom text, Schaum's highlights all the important facts you need to know. Use Schaum's to shorten your study time-and get your best test scores! Schaum's Outlines-Problem Solved.

Thermodynamics and Heat Power, Ninth Edition - Irving Granet 2020-11-05

The ninth edition of Thermodynamics and Heat Power contains a revised sequence of thermodynamics concepts including physical properties, processes, and energy systems, to enable the attainment of learning outcomes by Engineering and Engineering Technology students taking an introductory course in thermodynamics. Built around an easily understandable approach, this updated text focuses on thermodynamics fundamentals, and explores renewable energy generation, IC engines, power plants, HVAC, and applied heat transfer. Energy, heat, and work are examined in relation to thermodynamics cycles, and the effects of fluid properties on system performance are explained. Numerous step-by-step examples and problems make this text ideal for undergraduate students. This new edition: Introduces physics-based mathematical formulations and examples in a way that enables problem-solving. Contains extensive learning features within each chapter, and basic computational exercises for in-class and laboratory activities. Includes a straightforward review of applicable calculus concepts. Uses everyday examples to foster a better understanding of thermal science and engineering concepts. This book is suitable for undergraduate students in engineering and engineering technology.

Design with Microprocessors for Mechanical Engineers - A. Kent Stiffler 1992

Designing with microprocessors or mechatronics (the integration of mechanical and electronic components) is an emerging field within mechanical engineering. This text covers microprocessor-based design specifically for mechanical engineers; it is suitable for upper level courses in Design with Microprocessors offered in Mechanical Engineering departments. The emphasis is on microprocessor-based design in consumer products rather than in computers. The book is intended to help the mechanical engineer become familiar with the microprocessor as a design tool.

3000 Solved Problems in Calculus - Elliott Mendelson 1988

Contains 3,000 solved problems in calculus.

Computational Fluid Dynamics - John David Anderson 1995-02

A comprehensive, up to date text written for undergraduate and graduate students which covers topics ranging from the basic philosophy of computational fluid dynamics to advanced areas of CFD.

Schaum's Outline of Beginning Physics I: Mechanics and Heat - Alvin Halpern 1995-01-22

Introductory text