[Books] Engineering Mathematics Ravish Singh Mukul Bhatt

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Mathematics-I-Ravish R Singh 2018-09-24 This book on Mathematics -I deals with fundamentals of subject area. Each topic in the book is explained from the examination point of view, wherein the theory is presented in an easy-tounderstand studentfriendly style. The solutions of examples are set following a 'tutorial' approach, which will make it easy for students from any background to easily grasp the concepts. Salient Features: - Complete coverage of course on Engineering Graphics - Complete coverage of course on Mathematics I - Each section concludes with an exercise to test the understanding of topics - Rich pool of pedagogy - Hints to exercise problems
Probability and Statistics (GTU)-Ravish R Singh 2020-04-06 This book is designed for the 3rd semester gtu engineering students pursuing the probability and statistics (code 3130006). The crisp but complete explanation of topics will help the students easily understand the basic concepts. The tutorial approach (I.E. Teach by example) followed in the text will enable students develop a logical perspective to solving problems.
Mathematics-2-Ravish R Singh 2020-04-27 This book has been designed as per the Mathematics - 2 course offered in the first year to the undergraduate engineering students of GTU. The book provides in-depth coverage and complete explanation of topics which will help in easy understanding of the basic concepts. The methodical approach followed in the book will enable readers to develop a logical outlook for the course. Salient Features: Complete coverage of the GTU syllabus Solutions of GTU examination questions within chapters Diverse pedagogy o Chapter outline, Points to remember etc. o Solved examples within chapters: 649 o Unsolved problems within chapters: 561
Mathematics-1: Additional Solved Gujarat Technical University Examination Questions-Ravish R Singh 2019-11-18 This book has been designed as per the Mathematics-1 course offered in the first year to the undergraduate engineering students of Gujarat Technical University. It provides crisp but complete explanation of topics which helps in easy understanding of the basic concepts. The systematic approach followed in the book enables readers to develop a logical perspective for solving problems. The book also contains the list of basic formulas and the solutions on 2018 university asked questions. Highlights: 1. Crisp content designed strictly as per the latest GTU syllabus 2. Comprehensive coverage with lucid presentation style 3. Solutions of previous GTU examination questions 4. Diverse pedagogy includes Chapter outline, Points to remember etc. ; 850+ Solved examples and 500+ Unsolved problems for practicing
Advanced Engineering Mathematics, 4e, GTU–2018-Ravish R Singh 2018-07-18 This book has been designed as per the Advanced Engineering Mathematics course offered in the third semester to the undergraduate engineering students of GTU. It provides crisp as well as complete explanation of topics which will help in easy understanding of the basic concepts. The systematic approach followed in the book will enable readers to develop a logical perspective for solving problems.
ADVANCED ENGINEERING MATHEMATICS GTU 2015-Ravish R Singh Each topic has been explained from the examination point of view, wherein the theory is presented in an easy-to-understand student-friendly style. Full coverage of concepts is supported by numerous solved examples with varied complexity levels, which is aligned to the latest GTU syllabus. Fundamental and sequential explanation of topics are well aided by examples and exercises. The solu¬tions of examples are set follow¬ing a ‘tutorial’ approach, which will make it easy for students from any background to easily grasp the concepts. Exercises with answers immediately follow the solved examples enforcing a practice-based approach. We hope that the students will gain logical understanding from solved problems and then reiterate it through solving simi¬lar exercise problems themselves. The unique blend of theory and application caters to the requirements of both the students and the faculty. Solutions of GTU examination questions are incorporated within the text appropriately. Highlights * Crisp content strictly as per the latest GTU syllabus of Advanced Engineering Mathematics (Regulation 2014) * Comprehensive coverage with lucid presentation style * Each section concludes with an exercise to test understanding of topics * Solutions of GTU examination papers from 2012 to 2014 present appropriately within the chapters * Solution to Summer 2015 GTU question paper placed at the end of the book * Rich exam-oriented pedagogy: -Examples within chapters: 636 -Unsolved Exercises: 571
ENGINEERING MATHEMATICS-SINGH 2010 Overview: This book, designed for a two-semester course on engineering mathematics, presents concepts in adequate depth using step-by-step problem solving approach. Enriched with a plethora of solved examples, practice problems and engineering applications, it offers a unique combination of theory and practice in a lucid and user-friendly manner. Features: ► Includes application-based problems—Jacobian, errors and approximation, maxima and minima under partial differential equations ► Questions from different university examination papers interspersed within the text ► Presents list of important formulae for quick recap
Engineering Mathematics-Singh 2010
Engg Mathematics I AU2011-Ravish Singh & Mukul Bhatt Engineering Mathematics by Ravish Singh aims to make the subject more approachable to students. The crisp explanation of concepts and the step-by-step solutions to problems helps the users in easy understanding of the concepts. The author has taken due care to maintain an optimum depth in covering all the topics, which fulfills requirements of both student and faculty.
Electrical Networks-Singh 2009
Engineering Mathematics-Singh 2010
Circuit Theory and Networks—Analysis and Synthesis, 2e (MU 2018)-Ravish R Singh 2018-07-18 This book has been designed specially as per the syllabus requirements of University of Mumbai. It caters to the needs of third semester students of Electronics & Telecommunication Engineering as well as Electronics Engineering. Following a problem solving approach and discussing both analysis and synthesis of networks, this textbook offers good coverage of AC and DC circuits, network theorems, two-port networks, and network synthesis. Salient Features: - Up-to-date and full coverage of the latest syllabus - Extensively supported by illustrations and numerical problems - Examination-oriented pedagogy: * llustrations: 1500+ * Solved Examples within chapters: 539 * Unsolved Problems: 195 * Objective Type Questions: 130
ENGINEERING MATHS-I - PU 2011-SINGH This book on Engineering Mathematics-I targeted at first year engineering students of Pune University (PU), covers the complete syllabus of Engineering Mathematics-I paper, common to all B. Tech branches. All the topics such as Vector spaces, System of linear equations, Linear Transformations, Inner Product Spaces, and Eigen values and Eigen vectors are covered in detail. An easy to understand text, presents the concepts in adequate depth using tutorial, step-by-step problem solving approach, supported with numerous examples, practice problems and multiple choice questions.
Mathematics-1, GTU–2018-Ravish R Singh 2018-09-18 This book has been designed as per the Mathematics-1 course offered in the first year to the undergraduate engineering students of GTU. It provides crisp but complete explanation of topics which helps in easy understanding of the basic concepts. The systematic approach followed in the book enables readers to develop a logical perspective for solving problems.
Engineering Drawing-Basant Agrawal 2008
ENGINEERING GRAPHICS-K. C. JOHN 2009-07-13 This book provides a detailed study of geometrical drawing through simple and well-explained worked-out examples and exercises. This book is designed for students of first year Engineering Diploma course, irrespective of their branches of study. The book is divided into seven modules. Module A covers the fundamentals of manual drafting, lettering, freehand sketching and dimensioning of views. Module B describes two-dimensional drawings like geometrical constructions, conics, miscellaneous curves and scales. Three-dimensional drawings, such as projections of points, lines, plane lamina, geometrical solids and their different sections are well-explained in Module C. Module D deals with intersection of surfaces and their developments. Drawing of pictorial views is illustrated in Module E, which includes isometric projection, oblique projection and perspective projections. The fundamentals of machine drawing are covered in Module F. Finally, in Module G, the book introduces computer-aided drafting (CAD) to make the readers familiar with the state-of-the-art techniques of drafting. KEY FEATURES : Follows the International Standard Organization (ISO) code of practice for drawing. Includes a large number of dimensioned illustrations, worked-out examples, and Polytechnic questions and answers to explain the geometrical drawing process. Contains chapter-end exercises to help students develop their drawing skills.
Advanced Engineering Mathematics-Taneja 2007-01-01 The text has been divided in two volumes: Volume I (Ch. 1-13) & Volume II (Ch. 14-22). In addition to the review material and some basic topics as discussed in the opening chapter, the main text in Volume I covers topics on infinite series, differential and integral calculus, matrices, vector calculus, ordinary differential equations, special functions and Laplace transforms. Volume II covers topics on complex analysis, Fourier analysis, partial differential equations and statistics. The present book has numerous distinguishing features over the already existing books on the same topic. The chapters have been planned to create interest among the readers to study and apply the mathematical tools. The subject has been presented in a very lucid and precise manner with a wide variety of examples and exercises, which would eventually help the reader for hassle free study.
Building Materials and Construction-G C Sahu Building Materials and Construction covers the detailed discussion on materials required for building construction along with construction methodology and will be useful for students and teachers as well as for architects and practicing civil engineers. The book will cater to their needs at every stage, i.e., from initial planning to selection of construction materials, construction practices, and even the post-construction stage. Apart from covering the traditional materials and construction details, the book also contains many latest and contemporary topics including newer and advanced materials such as composites, geosynthetics, recycled aggregate, paper as building material, bacterial concrete, nano concrete, geopolymer concrete and more. Salient Features : - Covers both building materials and construction practices in one volume. - Extensive coverage of traditional and modern building materials and construction practices. - Excellent pedagogy: • Figures: 227 • Tables: 117 • Review Questions: 449 • Multiple-Choice Questions: 250.
International Conference on Innovative Computing and Communications-Ashish Khanna 2019-11-16 This book gathers high-quality research papers presented at the Second International Conference on Innovative Computing and Communication (ICICC 2019), which was held at the VSB - Technical University of Ostrava, Czech Republic, on 21–22 March 2019. Highlighting innovative papers by scientists, scholars, students, and industry experts in the fields of computing and communication, the book promotes the transformation of fundamental research into institutional and industrialized research, and the translation of applied research into real-world applications.
Voices in my Head-Yameer Adhar 2020-05-27 Can you imagine the possibility of never getting ill again? The world sees eternal health and happiness as some sort of elusive destination at the end of an arduous journey. That couldn’t be further away from the truth. Some believe the journey itself is health and happiness. Whether it is the destination or the journey, everyone’s need is to achieve absolute health and happiness. Well, guess what? YOU CAN! In a simple narrative, Yameer Adhar has shared his real-life anecdotes in Voices in My Head. He has revealed details of this magical and insightful voyage. It is a path on which anyone can easily embark. It is a method to empower, be happy and never fall ill again. Voices in My Head provides simple but powerful hacks for anyone looking to attain eternal wellness. Through this narrative, one will discover that there IS a ‘happily ever after’! Yameer Adhar’s Voices in my Head captures the courageous journey of the author in dealing with emotional and physical obstacles in his daily life and, through this, a prescription of how anyone can indeed move beyond such daily struggles and live a fulfilling life. Dr. Shashi Tharoor Former Minister Government of India, Member of Parliament and celebrated Author
Engineering Mathematics - II-M Y Dr Gokhale 2020
Basic Electronics-D P Kothari The book gives an exhaustive exposition of the fundamental concepts, techniques and devices in Basic Electronics Engineering. The book covers the basic course in basic electronics of almost all the Indian technical universities and some foreign universities as well. It is particularly well suited undergraduate students of all Engineering disciplines. Diploma students of EEE and ECE will find useful too. Basic Electronics is designed as the one-stop solution for those attempting to teach as well as study a course on Basic Electronics. The carefully developed pedagogy will help the instructor pick thought-provoking questions for tutorials and examinations, as well as allow plenty of practice for the students. Salient Features • Approach modular, and exposition of subject matter through illustrations • Block-diagrams and circuit diagrams used aplenty to enhance understanding • Pedagogy count and features: • Solved Examples- 136 • MCQs- 189 • Review Questions- 235 • Problems- 163 • Diagrams- 409
Engineering Mathematics - 1 | Fourth Edition | For Anna University | By Pearson-P. Sivaramakrishna Das Engineering Mathematics, 4e, is designed for the first semester undergraduate students of B.E/ B. Tech courses. In their trademark student friendly style, the authors have endeavored to provide an in-depth understanding of the concepts. Supported by a variety of solved examples, with reference to appropriate engineering applications, the book delves into the fundamental and theoretical concepts of Differential Calculus, Functions of several variables, Integral Calculus, Multiple Integrals, and Differential equations. Features: -450+ solved examples -450+ exercises with answers -250+ Part A questions with answers -Plenty of hints for problems -Includes a free book containing FAQs Table of Contents: Preface About the Authors Chapter 1) Differential Calculus Chapter 2) Functions of Several Variables Chapter 3) Integral Calculus Chapter 4) Multiple Integrals Chapter 5) Differential Equations
Engineering Mathematics - III-M Y Gokhale 2017-06-17 Unit I Linear differential equations and applications Unit II Laplace and fourier transforms Unit III Statistics And probability Unit IV Vector Differential Calculus Unit V Vector integration Unit VI Partial Differential Equations
Electromagnetic Field Theory Fundamentals-Bhag Singh Guru 2009-07-23 Guru and Hiziroglu have produced an accessible and user-friendly text on electromagnetics that will appeal to both students and professors teaching this course. This lively book includes many worked examples and problems in every chapter, as well as chapter summaries and background revision material where appropriate. The book introduces undergraduate students to the basic concepts of electrostatic and magnetostatic fields, before moving on to cover Maxwell's equations, propagation, transmission and radiation. Chapters on the Finite Element and Finite Difference method, and a detailed appendix on the Smith chart are additional enhancements. MathCad code for many examples in the book and a comprehensive solutions set are available at www.cambridge.org/9780521830164.
General Studies: A Gist of NCERT Syllabus for Union and State Public Services Examinations-Singh, Sheelwant General Studies, Paper 1 – A Gist of NCERT Syllabus (for Union and State Public Service Commission) is a compilation of the basic, essential knowledge of all the subjects covered in the Civil Services Paper 1 syllabus. As every aspirant knows, the NCERT books are a must-read for acquiring this knowledge and information. This book puts together, in a reader-friendly format, the entire syllabus of the Prelims from NCERT books of Class VI onwards. - General Science and Technology - Indian Polity and Constitution - Indian Economy - Geography - History
Engineering Mathematics-Veerarajan T
Advanced Engineering Mathematics with MATLAB, Third Edition-Dean G. Duffy 2010-10-26 Taking a practical approach to the subject, Advanced Engineering Mathematics with MATLAB®, Third Edition continues to integrate technology into the conventional topics of engineering mathematics. The author employs MATLAB to reinforce concepts and solve problems that require heavy computation. MATLAB scripts are available for download at www.crcpress.com Along with new examples, problems, and projects, this updated and expanded edition incorporates several significant improvements. New to the Third Edition New chapter on Green’s functions New section that uses the matrix exponential to solve systems of differential equations More numerical methods for solving differential equations, including Adams–Bashforth and finite element methods New chapter on probability that presents basic concepts, such as mean, variance, and probability density functions New chapter on random processes that focuses on noise and other random fluctuations Suitable for a differential equations course or a variety of engineering mathematics courses, the text covers fundamental techniques and concepts as well as Laplace transforms, separation of variable solutions to partial differential equations, the z-transform, the Hilbert transform, vector calculus, and linear algebra. It also highlights many modern applications in engineering to show how these topics are used in practice. A solutions manual is available for qualifying instructors.
Engineering Mathematics-S. R. K. Iyengar 2007-01-01 Covers topics on Functions of one variable, Functions of several variables, Solution of Ordinary differential equations, Laplace Transforms, Evaluation of multiple integrals, Vector differential and integral calculus. This book lays emphasis on presentation of fundamentals and theoretical concepts in an intelligible and easy to understand manner.
Mathematical Methods in Engineering-Joseph M. Powers 2015-01-26 Designed for engineering graduate students, this book connects basic mathematics to a variety of methods used in engineering problems.

Principles of Communication Engineering-A.K.Chhabra 2006-01-01 The first four chapters of the text describe different types of signals,modulation and demodulation of these signals,various transmission channels and noise encountered by the signals during propagation from sender to receiver end.Apart from this,this part of the book also deals with different forms of line communication systems.A brif introduction of information theory is also given at the end of the text so that the students become familiar with this aspect of communication systems.
Bio Mathematics-
Engg Mathematics - Au 2011-Veerarajan
APPLIED MATHS-I - MU 2011-SINGH This book on Applied Mathematics-I targeted at first year engineering students of Mumbai University (MU). It covers the complete syllabus of Mathematics-I paper, common to all the engineering branches. An easy to understand text, presents the concepts in adequate depth using tutorial, step-by-step problem solving approach, supported with numerous examples, practice problems and multiple choice questions.
Engineering Mathematics:-Taneja 2010-08-01 Engineering Mathematics (Volume I) has been primarily written For The first and second semester students of B.E./B.Tech level of various engineering colleges. The book contains thirteen chapters covering topics on differential calculus, matrices, multiple integrals, vector calculus, ordinary differential equations, series solutions and special functions, Laplace transforms, Fourier series, Partial differential equations and applications. The self-contained text is applications oriented and contains a wide variety of examples, objective type questions and exercises.
Literary Cultures in History-Sheldon I. Pollock 2003 "A superb collection. This pathbreaking book is sure to have wide and lasting interest not only for students of South Asian literature, but for anyone interested in the role of literature in cultural self-definition, conflict and change."--David Damrosch, President, American Comparative Literature Association and editor of The Longman Anthology British Literature "This tour-de-force might be not only a landmark in Indian cultural history, but a major accomplishment in the scholarship of global cultures, inviting us to think critically about forms of history and communities of literature."--Walter D. Mignolo, author of Local Histories/Global Designs: Coloniality, Subaltern Knowledges and Border Thinking
Engineering Mathematics: Volume II-Rukmangadachari E. 2012
Power System Engineering, 3e-D P Kothari 2019-04-26 This hallmark text on Power System Engineering provides the readers a comprehensive account of all key concepts in the field. The book includes latest technology developments and talks about some crucial areas of Power system, such as Transmission & Distribution, Analysis & Stability, and Protection & Switchgear. With its rich content, it caters to the requirements of students, instructors, and professionals.
Mathematics for Physicists-Susan M. Lea 2004 Often physics professionals are not comfortable using the mathematical tools that they learn in school, and this book discusses the mathematics that physics professionals need to master. This book provides the necesssary tools and shows how to use those tools specifically in physics problems. (Midwest).
Advanced Modern Engineering Mathematics-Glyn James 2011 Building on the foundations laid in the companion text Modern Engineering Mathematics, this book gives an extensive treatment of some of the advanced areas of mathematics that have applications in various fields of engineering, particularly as tools for computer-based system modelling, analysis and design. The philosophy of learning by doing helps students develop the ability to use mathematics with understanding to solve engineering problems. A wealth of engineering examples and the integration of MATLAB and MAPLE further support students.

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