

Engineering Mathematics By Jaggi And Mathur

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*Engineering
Mathematics By Jaggi
And Mathur*

2023-01-13

BLAZE SILAS

*Optimal Inventory Control and
Management Techniques* McGraw-Hill
Education Australia

The book presents a comprehensive study of important topics in Mechanics of pure and applied sciences. It provides knowledge of scalar and vector in optimum depth to make the students understand the concepts of Mechanics in simple, coherent and lucid manner and grasp its principles & theory. It caters to the requirements of students of B.Sc. Pass and Honours courses. Students of engineering disciplines and the ones aspiring for competitive exams such as AIME and others, will also find it useful for their preparations.

Advanced Engineering Mathematics

KHANNA PUBLISHING HOUSE

Randomized algorithms have become a central part of the algorithms curriculum, based on their increasingly widespread use in modern applications. This book presents a coherent and unified treatment of probabilistic techniques for obtaining high probability estimates on the performance of randomized algorithms. It covers the basic toolkit from the Chernoff-Hoeffding bounds to more sophisticated techniques like martingales and isoperimetric inequalities, as well as some recent developments like Talagrand's inequality, transportation cost inequalities and log-Sobolev inequalities. Along the way, variations on the basic theme are examined, such as Chernoff-Hoeffding bounds in dependent settings. The authors emphasise comparative study of the different methods, highlighting respective strengths and weaknesses in concrete example applications. The exposition is tailored to discrete settings sufficient for the analysis of algorithms, avoiding unnecessary measure-theoretic details, thus making the book accessible to computer scientists as well as probabilists and discrete mathematicians.

Advanced Engineering Mathematics

PHI Learning Pvt. Ltd.

Stock management and control is a critical element to the success and overall financial well-being of an organization. Through the application of innovative practices and technology, businesses are now able to effectively monitor their operations and manage their inventory by evaluating sales patterns and customer preferences. Optimal Inventory Control and Management Techniques explores emergent research in stock management and product control within organizations. Featuring diverse perspectives on the implementation of various optimization techniques, genetic algorithms, and datamining concepts, as well as research on big data applications for inventory management, this publication is a comprehensive reference source for practitioners, educators, and researchers in the fields of logistics, operations management, and retail management.

Animal Behaviour Academic Press

Advances in discrete mathematics are presented in this book with applications in theoretical mathematics and interdisciplinary research. Each chapter presents new methods and techniques by leading experts. Unifying interdisciplinary applications, problems, and approaches of discrete mathematics, this book connects topics in graph theory, combinatorics, number theory, cryptography, dynamical systems, finance, optimization, and game theory. Graduate students and researchers in optimization, mathematics, computer science, economics, and physics will find the wide range of interdisciplinary topics, methods, and applications covered in this book engaging and useful.

Rectangular Dielectric Resonator

Antennas IGI Global

This work is based on the experience and notes of the authors while teaching mathematics courses to engineering students at the Indian Institute of Technology, New Delhi. It covers syllabi of two core courses in mathematics for engineering students.

PCCDS 2020 Springer Nature

Providing coverage of the mathematics

necessary for advanced study in physics and engineering, this text focuses on problem-solving skills and offers a vast array of exercises, as well as clearly illustrating and proving mathematical relations.

*Advances in Interdisciplinary Research in
Engineering and Business Management*
HarperCollins

This book describes the latest advances in intelligent techniques such as fuzzy logic, neural networks, and optimization algorithms, and their relevance in building intelligent information systems in combination with applied mathematics. The authors also outline the applications of these systems in areas like intelligent control and robotics, pattern recognition, medical diagnosis, time series prediction, and optimization of complex problems. By sharing fresh ideas and identifying new targets/problems it offers young researchers and students new directions for their future research. The book is intended for readers from mathematics and computer science, in particular professors and students working on theory and applications of intelligent systems for real-world applications.

A Text Book of Engineering Mathematics
American Mathematical Soc.

This textbook provides a coherent introduction to the main concepts and methods of one-parameter statistical inference. Intended for students of Mathematics taking their first course in Statistics, the focus is on Statistics for Mathematicians rather than on Mathematical Statistics. The goal is not to focus on the mathematical/theoretical aspects of the subject, but rather to provide an introduction to the subject tailored to the mindset and tastes of Mathematics students, who are sometimes turned off by the informal nature of Statistics courses. This book can be used as the basis for an elementary semester-long first course on Statistics with a firm sense of direction that does not sacrifice rigor. The deeper goal of the text is to attract the attention of promising Mathematics students.

Springer

Nothing provided

Cambridge University Press

The volume contains latest research on software reliability assessment, testing, quality management, inventory management, mathematical modeling, analysis using soft computing techniques and management analytics. It links researcher and practitioner perspectives from different branches of engineering and management, and from around the world for a bird's eye view on the topics. The interdisciplinarity of engineering and management research is widely recognized and considered to be the most appropriate and significant in the fast changing dynamics of today's times. With insights from the volume, companies looking to drive decision making are provided actionable insight on each level and for every role using key indicators, to generate mobile-enabled scorecards, time-series based analysis using charts, and dashboards. At the same time, the book provides scholars with a platform to derive maximum utility in the area by subscribing to the idea of managing business through performance and business analytics.

Advanced Engineering Mathematics

Courier Dover Publications

Stock management and control is a critical element to the success and overall financial well-being of an organization.

Through the application of innovative practices and technology, businesses are now able to effectively monitor their operations and manage their inventory by evaluating sales patterns and customer preferences. The Handbook of Research on Promoting Business Process Improvement Through Inventory Control Techniques is a critical scholarly resource that examines optimization techniques, data mining concepts, and genetic algorithms to manage inventory control. Featuring coverage on a broad range of topics such as logistics and supply chain management, stochastic inventory modelling, and inventory management in healthcare, this book is geared towards academicians, practitioners, and researchers seeking various research methods to get optimal ordering policy.

A Rigorous First Course Engineering Mathematics

This book covers resonating modes inside device and gives insights into antenna design, impedance and radiation patterns. It discusses how higher-order modes generation and control impact bandwidth and antenna gain. The text covers new approaches in antenna design by investigation hybrid modes, H_Z and E_Z fields available simultaneously, and analysis and modelling on modes with

practical applications in antenna design. The book will be prove useful to students, researchers and professionals alike.

An Inside Story Penguin/Ananda

This book is designed to meet the complete requirements of Engineering Mathematics course of undergraduate syllabus, The book consists of seven chapters viz. infinite Series, Matrices, Expansion of Functions, Asymptotes, Curvature, Partial Differentiation , Multiple Integrals, Each chapter is treated in treated in systematic, logical and lucid manner, All these chapters are independent units in themselves. The students can go through the book picking up any chapter at any given times, without referring to other chapters, Hints, where ever necessary and answers of the questions in the exercises are given at the end of each exercise, Most of the questions-solved as well as unsolved-have been picked up from the examination papers of different universities and professional examinations, There are fully worked out examples and graded exercises (with answers) aimed at preparing the student for examination as well as higher studies, The authors have illustrated various methods to solve particular problems.

Important Tools for DNA Sequencing

Springer Nature

Appropriate for one- or two-semester Advanced Engineering Mathematics courses in departments of Mathematics and Engineering. This clear, pedagogically rich book develops a strong understanding of the mathematical principles and practices that today's engineers and scientists need to know. Equally effective as either a textbook or reference manual, it approaches mathematical concepts from a practical-use perspective making physical applications more vivid and substantial. Its comprehensive instructional framework supports a conversational, down-to-earth narrative style offering easy accessibility and frequent opportunities for application and reinforcement.

Mechanics Routledge

'The thirst to be boundless is not created by you; it is just life longing for itself.'

—Sadhguru This is the extraordinary story of Sadhguru—a young agnostic who turned yogi, a wild motorcyclist who turned mystic, a sceptic who turned spiritual guide. Pulsating with his razor-sharp intelligence, bracing wit and modern-day vocabulary, the book empowers you to explore your spiritual self and could well change your life. It seeks to re-create the life journey of a man who combines rationality with

mysticism, irreverence with compassion, ancient wisdom with a provocatively contemporary outlook and a deep knowledge of the self with a contagious love of life. Described as 'a profound mystic, visionary humanitarian and prominent spiritual leader of our times', he is equally at home in a satsangh in rural Tamil Nadu as at the World Economic Forum in Davos. In his early years, Jaggi Vasudev (or Sadhguru as he is now known) was a chronic truant, a boisterous prankster, and later a lover of motorbikes and fast cars. It is evident that the same urgency, passion and vitality echo in his spiritual pursuits to this day, from his creation of the historic Dhyalinga—the mission of three lifetimes—to his approach as a guru. In Sadhguru's view, faith and reason, spirituality and science, the sacred and the material, cannot be divided into easy binaries. He sees people as 'spiritual beings dabbling with the material rather than the reverse', and liberation as the fundamental longing in every form of life. Truth for him is a living experience instead of a destination, a conclusion, or a matter of metaphysical speculation. The possibility of self-realization, he strongly believes, is available to all. Drawing upon extended conversations with Sadhguru, interviews with Isha colleagues and fellow meditators, poet Arundhati Subramaniam presents an evocative portrait of a contemporary mystic and guru—a man who seems to pack the intensity and adventure of several lifetimes into a single one.

Engineering Mathematics Volume II Oxford University Press

Pooling designs have been widely used in various aspects of DNA sequencing. In biological applications, the well-studied mathematical problem called "group testing" shifts its focus to nonadaptive algorithms while the focus of traditional group testing is on sequential algorithms. Biological applications also bring forth new models not previously considered, such as the error-tolerant model, the complex model, and the inhibitor model. This book is the first attempt to collect all the significant research on pooling designs in one convenient place. The coverage includes many real biological applications such as clone library screening, contig sequencing, exon boundary finding and protein-protein interaction detecting and introduces the mathematics behind it.

A Comprehensive Guide Rastogi

Publications

Provides a comprehensive coverage of the subject, Emphasis is laid to ensure the conceptual understanding of numerical methods, Formulae for different numerical

methods have been derived in the simplest manner, algorithms for these methods are developed using pseudo language, Large number of programming exercises to test your for reference, large number of multiple choice questions and review exercises to test your programming skills acquired, Majority of the algorithms are implemented in C,C++ and FORTRAN languages.

Handbook of Research on Promoting Business Process Improvement Through Inventory Control Techniques S. Chand Publishing

Death is a taboo in most societies in the world. But what if we have got this completely wrong? What if death was not the catastrophe it is made out to be but an essential aspect of life, rife with spiritual possibilities for transcendence? For the first time, someone is saying just that. n this unique treatise-like exposition, Sadhguru dwells extensively upon his inner experience as he expounds on the more profound aspects of death that are

rarely spoken about. From a practical standpoint, he elaborates on what preparations one can make for one's death, how best we can assist someone who is dying and how we can continue to support their journey even after death. Whether a believer or not, a devotee or an agnostic, an accomplished seeker or a simpleton, this is truly a book for all those who shall die!

Computer Oriented Numerical Methods IGI Global

Gurus of Modern Yoga explores the contributions that individual gurus have made to the formation of the practices and discourses of yoga in today's world.

A Brief History of Tomorrow Springer Nature

A Comprehensive Course in Analysis by Poincaré Prize winner Barry Simon is a five-volume set that can serve as a graduate-level analysis textbook with a lot of additional bonus information, including hundreds of problems and numerous notes that extend the text and provide important

historical background. Depth and breadth of exposition make this set a valuable reference source for almost all areas of classical analysis. Part 1 is devoted to real analysis. From one point of view, it presents the infinitesimal calculus of the twentieth century with the ultimate integral calculus (measure theory) and the ultimate differential calculus (distribution theory). From another, it shows the triumph of abstract spaces: topological spaces, Banach and Hilbert spaces, measure spaces, Riesz spaces, Polish spaces, locally convex spaces, Fréchet spaces, Schwartz space, and spaces. Finally it is the study of big techniques, including the Fourier series and transform, dual spaces, the Baire category, fixed point theorems, probability ideas, and Hausdorff dimension. Applications include the constructions of nowhere differentiable functions, Brownian motion, space-filling curves, solutions of the moment problem, Haar measure, and equilibrium measures in potential theory.