

Numerical Method In Engineering Science By Bs Grewal

Higher Engineering Mathematics Computer Vision and Information Technology Advanced Engineering Mathematics K.D. Malaviya and the Evolution of India's Oil Policy Numerical Methods and Complex Variables Applied Mathematics-I (CSV TU) Narrating South Asian Partition Science and Technology of Fruit Wine Production The New Fiscal Sociology Reassessing the Revolution in Military Affairs Poverty and Exclusion of Minorities in China and India Biotechnology for Zero Waste Handbook of Biomedical Fluorescence Debt and Entanglements Between the Wars BUSINESS MATHEMATICS & STATISTICS Bioplastics for Sustainable Development The Economics of Centralism and Local Autonomy MY LIFE, MY VISION, MY WAYS Your Voice, Your Power Environmental and Agricultural Microbiology B S Grewal K. V. Kale B. S. Grewal Hriday Nath Kaul Mr. Rohit Manglik Bikas Chandra Bhui Anindya Raychaudhuri Maria R. Kosseva Isaac William Martin Andrew Futter A. Bhalla Chaudhery Mustansar Hussain Mary-Ann Mycek Mr. Thomas J Sargent Dr. Bablu Kumar Mohammed Kuddus P. Bryson Yash Pal Sethi Brig Krishan B Yadava (Retd) Bibhuti Bhusan Mishra

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spread in 133 articles divided in 20 sections the present treatises broadly discusses part 1 image processing part 2 radar and satellite image processing part 3 image filtering part 4 content based image retrieval part 5 color image processing and video processing part 6 medical image processing part 7 biometric part 8 network part 9 mobile computing part 10 pattern recognition part 11 pattern classification part 12 genetic algorithm part 13 data warehousing and mining part 14 embedded system part 15 wavelet part 16 signal processing part 17 neural network part 18 nanotechnology and quantum computing part 19 image analysis part 20 human computer interaction

this book is designed to cover all of the mathematical topics required in the typical engineering curriculum hundreds of examples with worked out solutions provide a self study format for both engineering students and as a refresher course for practicing engineers covers algebra vectors geometry calculus series differential equations complex analysis transforms numerical methods statistics and special topics

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applied mathematics i has been written for the first year students of csvtu the entire book has been developed with an eye on the physical interpretations of concepts application of the notions in engineering and technology and precision through its solved examples author s long experience of teaching various grades of students has played an instrumental role towards this end an emphasis on various techniques of solving complex problems will be of immense help to the students key features brief but just discussion of theory examination oriented approach techniques of solving difficult questions solution for a large number of technical problems

narrating partition features in depth interviews with more than 120 individuals across india pakistan bangladesh and the united kingdom each reflecting on their direct or inherited experience of the 1947 indian pakistani partition through the collection of these oral history narratives raychaudhuri is able to place them into comparison with the literary cinematic and artistic representations of partition and in doing so examine the ways in which the events of partition are remembered re interpreted and reconstructed and the themes home family violence childhood trains and rivers that are recycled in the narration

science and technology of fruit wine production includes introductory chapters on the production of wine from fruits other than grapes including their composition chemistry role quality of raw material medicinal values quality factors bioreactor technology production optimization standardization preservation and evaluation of different wines specialty wines and brandies wine and its related products have been consumed since ancient times not only for stimulatory and healthful properties but also as an important adjunct to the human diet by increasing satisfaction and contributing to the relaxation necessary for proper digestion and absorption of food most wines are produced from grapes throughout the world however fruits other than grapes including apple plum peach pear berries cherries currants apricot and many others can also be profitably utilized in the production of wines the major problems in wine production however arise from the difficulty in extracting the sugar from the pulp of some of the fruits or finding that the juices obtained lack in the requisite sugar contents have higher acidity more anthocyanins or have poor fermentability the book demonstrates that the application of enzymes in juice extraction bioreactor technology and biological de acidification mlf bacteria or de acidifying yeast like schizosaccharomyces pombe and others in wine production from non grape fruits needs serious consideration focuses on producing non grape wines highlighting their flavor taste and other quality attributes including their antioxidant properties provides a single volume resource that consolidates the research findings and developed technology employed to make wines from non grape fruits explores options for reducing post harvest losses which are especially high in developing countries stimulates research and development efforts in non grape wines

this volume presents sixteen essays by comparative historical scholars who offer a survey of the new fiscal sociology

a generation after the first gulf war and in the wake of a decade of counterinsurgency operations and irregular warfare this book explores how the concept of the revolution in military affairs continues to shape the way modern militaries across the globe think about plan and fight wars

muslim minorities in china and india form only a small fraction of their respective populations yet as they principally live in troubled border states they are of key strategic importance in the war on terror in this global context this book explores whether economics is more important than the suppression of rights in explaining social unrest

biotechnology for zero waste the use of biotechnology to minimize waste and maximize resource valorization in biotechnology for zero waste emerging waste management techniques accomplished environmental researchers drs chaudhery mustansar hussain and ravi kumar kadeppagari deliver a robust exploration of the role of biotechnology in reducing waste and creating a zero waste environment the editors provide resources covering perspectives in waste management like anaerobic co digestion integrated

biosystems immobilized enzymes zero waste biorefineries microbial fuel cell technology membrane bioreactors nano biomaterials and more ideal for sustainability professionals this book comprehensively sums up the state of the art biotechnologies powering the latest advances in zero waste strategies the renowned contributors address topics like bioconversion and biotransformation and detail the concept of the circular economy biotechnology for zero waste effectively guides readers on the path to creating sustainable products from waste the book also includes a thorough introduction to modern perspectives on zero waste drives including anaerobic co digestion as a smart approach for enhancing biogas production comprehensive explorations of bioremediation for zero waste biological degradation systems and bioleaching and biosorption of waste practical discussions of bioreactors for zero waste and waste2energy with biotechnology an in depth examination of emerging technologies including nanobiotechnology for zero waste and the economics and commercialization of zero waste biotechnologies perfect for process engineers natural products environmental soil and inorganic chemists biotechnology for zero waste emerging waste management techniques will also earn a place in the libraries of food technologists biotechnologists agricultural scientists and microbiologists

melding basic and clinical science this reference provides a comprehensive overview of the roles that biophysics photochemistry and computational modeling play in the biomedical applications of fluorescence spectroscopy and imaging penned by pioneering researchers the handbook of biomedical fluorescence discusses fundamental aspects of fluorescence generation in organic molecules within tissue theoretical and experimental views of how light propagation in tissue can be used to interpret fluorescence signals endogenous and exogenous fluorescence agents in medical or basic research studies and radiation transport diffusion theory and the monte carlo method

world war i created a set of forces that affected the political arrangements and economies of all the countries involved this period in global economic history between world war i and ii offers rich material for studying international monetary and sovereign debt policies debt and entanglements between the wars focuses on the experiences of the united states united kingdom four countries in the british commonwealth australia new zealand canada newfoundland france italy germany and japan offering unique insights into how political and economic interests influenced alliances defaults and the unwinding of debts the narratives presented show how the absence of effective international collaboration and resolution mechanisms inflicted damage on the global economy with disastrous consequences

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this book provides the latest information on bioplastics and biodegradable plastics the initial chapters introduce readers to the various sources and substrates for the synthesis of bioplastics and biodegradable plastics and explain their general structure physio chemical properties and classification in turn the book discusses innovative methods for the production of bioplastics at the industrial level and for the microbial production of bioplastics it highlights the processes that are involved in the conversion of agro industrial waste into bioplastics while also summarizing the mechanisms of biodegradation in bioplastics the book addresses a range of biotechnological applications of bioplastics such as in agriculture food packaging and pharmaceutical industry as well as biomedical applications

a comparative analysis of the process of public sector transition from central planning to market democracy it is the story of the difficulties and complexities of moving to a system of greater autonomy for the subnational governments of the czech and slovak republics including the future of fiscal policies after the global recession

it is a journey of a seasoned banker who joined a reputed bank till his retirement as regional manager in 1992 the experiences difficulties catastrophes faced finding solutions in a lucid way is hall mark of this book positive attitude with practicality was the key to his success the book is also revealing startling facts events and situations

your voice your power unlock the art of public speaking isn't just another manual on speeches it's a guide to transforming fear into confidence and words into impact drawing on real life experiences from military briefings to high stakes presentations this book shows you that great speakers aren't born they're built with practical tips relatable anecdotes and actionable strategies it empowers you to speak with clarity connect with any audience and own every room you walk into whether you're addressing a boardroom a classroom or a crowd this book will help you unlock the power already within your voice

environmental and agricultural microbiology uniquely reveals the state of the art microbial research advances in the environment and agriculture fields environmental and agricultural microbiology applications for sustainability is divided into two parts which embody chapters on sustenance and life cycles of microorganisms in various environmental conditions their dispersal interactions with other inhabited communities metabolite production and reclamation though books pertaining to soil agricultural microbiology environmental biotechnology are available there is a dearth of comprehensive literature on the behavior of microorganisms in the environmental and agricultural realm part 1 includes bioremediation of agrochemicals by microalgae detoxification of chromium and other heavy metals by microbial biofilm microbial biopolymer technology including polyhydroxyalkanoates PHAs and polyhydroxybutyrates PHB their production degradability behaviors and applications biosurfactants production and their commercial importance are also systematically represented in this part part 2 having 9 chapters facilitates imperative ideas on approaches for sustainable agriculture through functional soil microbes next generation crop improvement strategies via rhizosphere microbiome production and implementation of liquid biofertilizers mitigation of methane from livestock chitinases from microbes extremozymes an enzyme from extremophilic microorganism and their relevance in current biotechnology lithobiontic communities and their environmental importance have all been comprehensively elaborated in the era of sustainable energy production biofuel and other bioenergy products play a key role and their production from microbial sources are frontiers for researchers the final chapter unveils the importance of microbes and their consortia for management of solid waste in amalgamation with biotechnology audience the book will be read by environmental microbiologists biotechnologists chemical and agricultural engineers

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