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### KEY=12TH - GRIFFIN MACK

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### BINOCULAR VISION AND OCULAR MOTILITY

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### THEORY AND MANAGEMENT OF STRABISMUS

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### 151 TRADING STRATEGIES

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*Springer* **The book provides detailed descriptions, including more than 550 mathematical formulas, for more than 150 trading strategies across a host of asset classes and trading styles. These include stocks, options, fixed income, futures, ETFs, indexes, commodities, foreign exchange, convertibles, structured assets, volatility, real estate, distressed assets, cash, cryptocurrencies, weather, energy, inflation, global macro, infrastructure, and tax arbitrage. Some strategies are based on machine learning algorithms such as artificial neural networks, Bayes, and k-nearest neighbors. The book also includes source code for illustrating out-of-sample backtesting, around 2,000 bibliographic references, and more than 900 glossary, acronym and math definitions. The presentation is intended to be descriptive and pedagogical and of particular interest to finance practitioners, traders, researchers, academics, and business school and finance program students.**

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### HIGHER ALGEBRA

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*Arihant Publications India limited* **The Classic Texts Series is the only of its kind selection of classic pieces of work that started off as bestseller and continues to be the bestseller even today. These classic texts have been designed so as to work as elementary textbooks which play a crucial role in building the concepts from scratch as in-depth knowledge of concepts is necessary for students preparing for various entrance exams. The present book on Higher Algebra presents all the elements of Higher Algebra in a single book meant to work as textbook for the students beginning their preparation of the varied aspects covered under Higher Algebra. The present book has been divided into 35 chapters namely Ratio, Proportion, Variation, Arithmetical Progression, Geometrical Progression, Harmonical Progression Theorems Connected with The Progression, Scales of Notation, Surds & Imaginary Quantities, The Theory of Quadratic Equations, Miscellaneous Equations, Permutations & Combinations, Mathematical Induction, Binomial Theorem Positive Integral Index, Binomial Theorem, Any Index, Multinomial Theorem, Logarithms, Exponential & Logarithmic Series, Interest & Annuities, Inequalities, Limiting Values & Vanishing Fractions, Convergency&Divergency of Series, Undetermined Coefficients, Partial Fractions, Recurring Series, Continued Fractions, Recurring Series, Continued Fractions, Indeterminate Equations of the First Degree, Recurring Continued Fractions, Indeterminate Equations of the Second Degree, Summation of Series, Theory of Numbers, The General Theory of Continued Fractions, Probability, Determinants, Miscellaneous Theorems & Examples and Theory of Equations, each subdivided into number of topics. The first few chapters in the book have been devoted to a fuller discussion of Ratio, Proportions, Variation and the Progressions. Both the theoretical text as well as examples have been treated minutely which will help in better understanding of the concepts covered in the book. Theoretical explanation of the concepts in points has been provided at the beginning of each chapter. At the end of each chapter, unsolved practice exercises have been provided to help aspirants revise the concepts discussed in the chapter. At the end of chapterwise study, miscellaneous examples have also been given along with answers and solutions to the unsolved examples covered in each chapter. All the relevant theorems covered under the syllabi of Higher Algebra have also been covered in the detail in this book. As the book covers the whole syllabi of Higher Algebra in detail along with ample number of solved examples, it for sure will help the students perfect the varied concepts covered under the Higher Algebra section.**

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### EDUCATIVE JEE MATHEMATICS

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*Universities Press*

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### ENGLISH AS A GLOBAL LANGUAGE

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*Cambridge University Press* **David Crystal's classic English as a Global Language considers the history, present status and future of the English language, focusing on its role as the leading international language. English has been deemed the most 'successful' language ever, with 1500 million speakers internationally, presenting a difficult task to those who wish to investigate it in its entirety. However, Crystal explores the subject in a measured but engaging way, always backing up observations with facts and figures. Written in a detailed and fascinating manner, this is a book written by an expert both for specialists in the subject and for general readers interested in the English language.**

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### RHEOLOGICAL METHODS IN FOOD PROCESS ENGINEERING

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*Freeman Press* **Introduction to rheology. Tube viscometry. Rotational viscometry. Extensional flow. Viscoelasticity.**

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### HERBAL MEDICINE

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### BIOMOLECULAR AND CLINICAL ASPECTS, SECOND EDITION

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*CRC Press* **The global popularity of herbal supplements and the promise they hold in treating various disease states has caused an unprecedented interest in understanding the molecular basis of the biological activity of traditional remedies. Herbal Medicine: Biomolecular and Clinical Aspects focuses on presenting current scientific evidence of biomolecular ef**

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### INDIAN SCIENCE ABSTRACTS

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### COMPLETE MATHEMATICS

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### MODERN ANTENNA DESIGN

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*John Wiley & Sons* **A practical book written for engineers who design and use antennas The author has many years of hands on experience designing antennas that were used in such applications as the Venus and Mars missions of NASA The book covers all important topics of modern antenna design for communications Numerical methods will be included but only as much as are needed for practical applications**

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## TAGUCHI'S QUALITY ENGINEERING HANDBOOK

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*Wiley-Interscience* In the last fifty years, one man stands out as the driving force behind the quality revolution--Genichi Taguchi. Now, for the first time in one volume, Taguchi's Quality Engineering Handbook presents all the methods and beliefs that have made Taguchi one of the most respected authorities on quality engineering and management in the world. No other single volume presents the full breadth of founding beliefs behind the successful engineering practices used by today's leading companies. (Midwest).

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## ACANTHAMOEBA

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### BIOLOGY AND PATHOGENESIS

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This fully up-to-date book covers all aspects of Acanthamoeba biology. Following the success of the first edition, the author has extensively revised and expanded the text to produce a new volume that includes all the latest research and information on every aspect of this organism. There is a particular emphasis on the Acanthamoeba genome sequence and the novel insights gained from the application of molecular methods to Acanthamoeba developmental/cellular biology, in terms of metabolism and morphogenesis, classification, ecology and role in the ecosystem, host-pathogen interactions, virulence factors and immunological basis of pathogenesis, clinical manifestation, diagnosis, treatment, new target development, and drug resistance and its interactions with other microbes in the environment. The book will be an essential reference text for parasitologists, microbiologists, immunologists, and physicians in the field of basic and medical microbiology, as well as an invaluable reference for new and experienced researchers who wish to better understand this organism.

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## TEXTBOOK OF FINITE ELEMENT ANALYSIS

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*PHI Learning Pvt. Ltd.* Designed for a one-semester course in Finite Element Method, this compact and well-organized text presents FEM as a tool to find approximate solutions to differential equations. This provides the student a better perspective on the technique and its wide range of applications. This approach reflects the current trend as the present-day applications range from structures to biomechanics to electromagnetics, unlike in conventional texts that view FEM primarily as an extension of matrix methods of structural analysis. After an introduction and a review of mathematical preliminaries, the book gives a detailed discussion on FEM as a technique for solving differential equations and variational formulation of FEM. This is followed by a lucid presentation of one-dimensional and two-dimensional finite elements and finite element formulation for dynamics. The book concludes with some case studies that focus on industrial problems and Appendices that include mini-project topics based on near-real-life problems. Postgraduate/Senior undergraduate students of civil, mechanical and aeronautical engineering will find this text extremely useful; it will also appeal to the practising engineers and the teaching community.

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## INNOVATIONS AND INTERDISCIPLINARY SOLUTIONS FOR UNDERSERVED AREAS

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### 4TH EAI INTERNATIONAL CONFERENCE, INTERSOL 2020, NAIROBI, KENYA, MARCH 8-9, 2020, PROCEEDINGS

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*Springer Nature* This book constitutes the refereed post-conference proceedings of the 4th EAI International Conference on Innovations and Interdisciplinary Solutions for Underserved Areas, InterSol 2020, held in Nairobi, Kenya, in March 2020. Due to the COVID-19 pandemic the conference is postponed to a later date in 2020. The 20 papers presented were selected from 50 submissions and issue different problems in underserved and unserved areas. They face problems in almost all sectors such as energy, water, communication, climate, food, education, transportation, social development, and economic growth.

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## WEBS OF INFLUENCE

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### THE PSYCHOLOGY OF ONLINE PERSUASION

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*Pearson UK* As legions of businesses scramble to set up virtual-shop, we face an unprecedented level of competition to win over and keep new customers online. At the forefront of this battleground is your ability to connect with your customers, nurture your relationships and understand the psychology behind what makes them click. In this book The Web Psychologist, Nathalie Nahai, expertly draws from the worlds of psychology, neuroscience and behavioural economics to bring you the latest developments, cutting edge techniques and fascinating insights that will lead to online success. Webs of Influence delivers the tools you need to develop a compelling, influential and profitable online strategy which will catapult your business to the next level - with dazzling results.

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## INEQUALITIES IN GEOMETRY AND APPLICATIONS

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This book presents the recent developments in the field of geometric inequalities and their applications. The volume covers a vast range of topics, such as complex geometry, contact geometry, statistical manifolds, Riemannian submanifolds, optimization theory, topology of manifolds, log-concave functions, Obata differential equation, Chen invariants, Einstein spaces, warped products, solitons, isoperimetric problem, Erdős-Mordell inequality, Barrow's inequality, Simpson inequality, Chen inequalities, and q-integral inequalities. By exposing new concepts, techniques and ideas, this book will certainly stimulate further research in the field.

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## BETEL-QUID AND ARECA-NUT CHEWING AND SOME ARECA-NUT-DERIVED NITROSAMINES

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*IARC* A working group of sixteen experts from seven countries re-evaluated the evidence of the carcinogenicity of betel-quid and areca-nut chewing and some areca-nut related nitrosamines. Betel-quid and areca-nut chewing are widely practised in many parts of Asia and in Asian-migrant communities elsewhere in the world. There are hundreds of millions of users worldwide. They evaluated betel quid with tobacco as carcinogenic to humans (Group 1) on the basis of sufficient evidence of an increased risk of cancer of the oral cavity, pharynx and oesophagus. The working group reviewed epidemiological studies of human cancer, mainly studies from India, Pakistan and Taiwan (China). Studies on betel quid with tobacco and areca nut with tobacco in experimental animals now also provide sufficient evidence of carcinogenicity. The working group also evaluated betel quid without tobacco as carcinogenic to humans (Group 1), on the basis of sufficient evidence of an increased risk of oral cancer. Studies on betel quid without tobacco and areca nut without tobacco in experimental animals now also provide sufficient evidence of carcinogenicity. Areca nut, a common ingredient of betel quid and many different chewing preparations, including those available commercially, has been observed to cause oral submucous fibrosis

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## VEDIC MATHEMATICS

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*Motilal Banarsidass Publ.* This epoch-making and monumental work on Vedic Mathematics unfolds a new method of approach. It relates to the truth of numbers and magnitudes equally applicable to all sciences and arts. The book brings to light how great and true knowledge is born of intuition, quite different from modern Western method. The ancient Indian method and its secret techniques are examined and shown to be capable of solving various problems of mathematics. The universe we live in has a basic mathematical structure obeying the rules of mathematical measures and relations. All the subjects in mathematics-Multiplication, Division, Factorization, Equations, Calculus, Analytical Conics, etc.-are dealt with in forty chapters, vividly working out all problems, in the easiest ever method discovered so far. The volume, more a 'magic', is the result of intuitional visualization of fundamental mathematical truths born after eight years of highly concentrated endeavour of Jagadguru Sri Bharati Krsna Tirtha.

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## ADVANCES IN FLUID DYNAMICS

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### SELECTED PROCEEDINGS OF ICAFD 2018

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*Springer Nature* This book comprises selected peer-reviewed proceedings of the International Conference on Applications of Fluid Dynamics (ICAFD 2018) organized by the School of Advanced Sciences, Vellore Institute of Technology, India, in association with the

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University of Botswana and the Society for Industrial and Applied Mathematics (SIAM), USA. With an aim to identify the existing challenges in the area of applied mathematics and mechanics, the book emphasizes the importance of establishing new methods and algorithms to address these challenges. The topics covered include diverse applications of fluid dynamics in aerospace dynamics and propulsion, atmospheric sciences, compressible flow, environmental fluid dynamics, control structures, viscoelasticity and mechanics of composites. Given the contents, the book is a useful resource for students, researchers as well as practitioners.

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#### CONSOLIDATED GUIDELINES ON THE USE OF ANTIRETROVIRAL DRUGS FOR TREATING AND PREVENTING HIV INFECTION

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##### RECOMMENDATIONS FOR A PUBLIC HEALTH APPROACH

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These guidelines provide guidance on the diagnosis of human immunodeficiency virus (HIV) infection, the use of antiretroviral (ARV) drugs for treating and preventing HIV infection and the care of people living with HIV. They are structured along the continuum of HIV testing, prevention, treatment and care. This edition updates the 2013 consolidated guidelines on the use of antiretroviral drugs following an extensive review of evidence and consultations in mid-2015, shared at the end of 2015, and now published in full in 2016. It is being published in a changing global context for HIV and for health more broadly.

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##### IMMOBILIZATION STRATEGIES

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##### BIOMEDICAL, BIOENGINEERING AND ENVIRONMENTAL APPLICATIONS

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*Springer* This book delves into the field of immobilizing biologically active and non-active molecules. It discusses the designing strategy of immobilization and the current state-of-the-art applications for advancing biomedical, agricultural, environmental and industrial practices. It focuses on aspects ranging from fundamental principles to current technological advances at multi-scale levels (macro, micro, and nano) which are suitable for cell, enzyme, and nano-catalyst based applications. Written by experts from across the globe, the contents deal with illustrated examples of molecular and cellular interactions with materials/scaffolds and discussions on factors that can affect the functionality and yield of the process. With its discussions on material science, design of delivery vehicles, separation science, additive manufacturing, agriculture and environmental science, this book will be a useful reference for researchers across multiple disciplines.

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##### MATHEMATICAL REVIEWS

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*American Mathematical Society(RI)*

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##### ADVANCES IN COMMUNICATION AND COMPUTATIONAL TECHNOLOGY

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##### SELECT PROCEEDINGS OF ICACCT 2019

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*Springer Nature* This book presents high-quality peer-reviewed papers from the International Conference on Advanced Communication and Computational Technology (ICACCT) 2019 held at the National Institute of Technology, Kurukshetra, India. The contents are broadly divided into four parts: (i) Advanced Computing, (ii) Communication and Networking, (iii) VLSI and Embedded Systems, and (iv) Optimization Techniques. The major focus is on emerging computing technologies and their applications in the domain of communication and networking. The book will prove useful for engineers and researchers working on physical, data link and transport layers of communication protocols. Also, this will be useful for industry professionals interested in manufacturing of communication devices, modems, routers etc. with enhanced computational and data handling capacities.

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##### LASER PLASMA PHYSICS

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##### FORCES AND THE NONLINEARITY PRINCIPLE

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*SPIE Press* This acts as a reference work for the field of high intensity and/or high plasma density laser-plasma interactions for years to come. It covers everything from single particles to dense fluids, from computational physics to the practical results in fusion. In addition, it contains treatments of the theory of electrodynamics, laser-driven hydrodynamics, the Lorentz force, complex refractive index and relativistic effects in plasmas. Although "the swamp of plasma physics" is mostly a classical place, the author indicates where quantum and classical calculations converge.

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##### MORPHOLINO OLIGOMERS

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##### METHODS AND PROTOCOLS

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*Humana Press* This volume presents a historical perspective on Morpholinos, an overview of good Morpholino practices, techniques for controlling Morpholino activity with light, techniques for modulating microRNA activity in zebrafish embryos, probing genes during fin regeneration, methods for determining to structure of gene networks during development, electroporation, bacterial knockdowns, pretargeting, diagnostic applications of Morpholinos, techniques for delivering Morpholinos in utero to developing embryos, and methods offering rapid, hands-free, label-free and inexpensive assays of Morpholino concentrations in biological extracts. Written in the highly successful Methods in Molecular Biology series format, chapters include introductions to their respective topics, lists of the necessary materials and reagents, step-by-step, readily reproducible laboratory protocols, and tips on troubleshooting and avoiding known pitfalls. Morpholino Oligomers: Methods and Protocols aims to provide a diverse application of Morpholinos along with protocols that will assist new labs in moving the frontier. authoritative and practical, p/ppbr

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##### THE USE OF BIOMATERIALS WITH STEM AND PRECURSOR CELLS IN DISEASES OF THE CENTRAL NERVOUS SYSTEM; A STEP TO CLINICAL TRIALS

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*Frontiers Media SA*

##### FORENSIC PATHOLOGY, 2ED

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*CRC Press* An updated and revised edition of the major reference work in forensic pathology, this will be an important purchase for all in the field. 'Forensic Pathology' offers a thorough, detailed guide to the performance and interpretation of post-mortem examinations conducted for the police and other legal authorities.

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##### DIFFERENTIAL CALCULUS

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*S. Chand Publishing* This textbook commences with a brief outline of development of real numbers, their expression as infinite decimals and their representation by points along a line. While the first part of the textbook is analytical, the latter part deals with the geometrical applications of the subject. Numerous examples and exercises have been provided to support student's understanding. This textbook has been designed to meet the requirements of undergraduate students of BA and BSc courses.

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## MONOCLONAL ANTIBODIES

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*MDPI* This book is a printed edition of the Special Issue "Monoclonal Antibodies" that was published in *Antibodies*

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## FUNCTIONAL ANALYSIS AND APPROXIMATION

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### PROCEEDINGS OF THE CONFERENCE HELD AT THE MATHEMATICAL RESEARCH INSTITUTE AT OBERWOLFACH, BLACK FOREST, AUGUST 9-16, 1980

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*Birkhäuser* These Proceedings form a record of the lectures presented at the international Conference on Functional Analysis and Approximation held at the Oberwolfach Mathematical Research Institute, August 9-16, 1980. They include 33 of the 38 invited conference papers, as well as three papers subsequently submitted in writing. Further, there is a report devoted to new and unsolved problems, based on two special sessions of the conference. The present volume is the sixth Oberwolfach Conference in Birkhäuser's ISNM series to be edited at Aachen \*. It is once again devoted to more significant results obtained in the wide areas of approximation theory, harmonic analysis, functional analysis, and operator theory during the past three years. Many of the papers solicited not only outline fundamental advances in their fields but also focus on interconnections between the various research areas. The papers in the present volume have been grouped into nine chapters. Chapter I, on operator theory, deals with maps on positive semidefinite operators, spectral bounds of semigroup operators, evolution equations of diffusion type, the spectral theory of propagators, and generalized inverses. Chapter II, on functional analysis, contains papers on modular approximation, interpolation spaces, and unconditional bases.

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## STRENGTH AND POWER IN SPORT

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*John Wiley & Sons* The second edition of this broadly based book continues to examine and update the basic and applied aspects of strength and power in sport from the neurophysiology of the basic motor unit to training for specific activities. Authorship is, again, international and includes leading physiologists and clinicians.

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## URBAN ECOSYSTEM SERVICES II

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### TOWARD A SUSTAINABLE FUTURE

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*Mdpi AG* The school of thought surrounding the urban ecosystem has increasingly become in vogue among researchers worldwide. Since half of the world's population lives in cities, urban ecosystem services have become essential to human health and wellbeing. Rapid urban growth has forced sustainable urban developers to rethink important steps by updating and, to some degree, recreating the human-ecosystem service linkage. Assessing as well as estimating the losses of ecosystem services can denote the essential effects of urbanization and increasingly indicate where cities fall short. This second book on urban ecosystem services contains 11 thoroughly refereed contributions published within the Special Issue "Urban Ecosystem Services II: Toward a Sustainable Future". The book addresses topics such as cultural ecosystem services, green infrastructure, urban trees, urban green spaces, and more. The contributions highlight current knowledge, gaps, and future research with the focus on building a sustainable future.

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## PROBABILITY DISTRIBUTIONS USED IN RELIABILITY ENGINEERING

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*RIAC* The book provides details on 22 probability distributions. Each distribution section provides a graphical visualization and formulas for distribution parameters, along with distribution formulas. Common statistics such as moments and percentile formulas are followed by likelihood functions and in many cases the derivation of maximum likelihood estimates. Bayesian non-informative and conjugate priors are provided followed by a discussion on the distribution characteristics and applications in reliability engineering.

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## PROCEEDINGS OF INTEGRATED INTELLIGENCE ENABLE NETWORKS AND COMPUTING

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### IIENC 2020

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*Springer Nature* This book presents best selected research papers presented at the First International Conference on Integrated Intelligence Enable Networks and Computing (IIENC 2020), held from May 25 to May 27, 2020, at the Institute of Technology, Gopeshwar, India (Government Institute of Uttarakhand Government and affiliated to Uttarakhand Technical University). The book includes papers in the field of intelligent computing. The book covers the areas of machine learning and robotics, signal processing and Internet of things, big data and renewable energy sources.

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## DIGITAL ELECTRONICS

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### PRINCIPLES, DEVICES AND APPLICATIONS

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*John Wiley & Sons* The fundamentals and implementation of digital electronics are essential to understanding the design and working of consumer/industrial electronics, communications, embedded systems, computers, security and military equipment. Devices used in applications such as these are constantly decreasing in size and employing more complex technology. It is therefore essential for engineers and students to understand the fundamentals, implementation and application principles of digital electronics, devices and integrated circuits. This is so that they can use the most appropriate and effective technique to suit their technical need. This book provides practical and comprehensive coverage of digital electronics, bringing together information on fundamental theory, operational aspects and potential applications. With worked problems, examples, and review questions for each chapter, Digital Electronics includes: information on number systems, binary codes, digital arithmetic, logic gates and families, and Boolean algebra; an in-depth look at multiplexers, de-multiplexers, devices for arithmetic operations, flip-flops and related devices, counters and registers, and data conversion circuits; up-to-date coverage of recent application fields, such as programmable logic devices, microprocessors, microcontrollers, digital troubleshooting and digital instrumentation. A comprehensive, must-read book on digital electronics for senior undergraduate and graduate students of electrical, electronics and computer engineering, and a valuable reference book for professionals and researchers.

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## CITIES OF DRAGONS AND ELEPHANTS

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### URBANIZATION AND URBAN DEVELOPMENT IN CHINA AND INDIA

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Urbanization is one of the most important phenomena in economic development. In the past three decades, Asian urban populations expanded by almost one billion, a figure expected to double in the next three decades. Clearly, both the scale and pace of urbanization in Asia is unprecedented in human history and will dominate the global urbanization landscape. Asia's urbanization, in turn, is dominated by what is happening in China and India, the two most populous, fastest growing economies in the world. *Cities of Dragons and Elephants: Urbanization and Urban Development in China and India* aims at addressing the two most fundamental issues of urbanization: why and where to urbanize. Contributed by a team of top experts from both countries, it uses original research to explore both the speed and scale of urbanization and urban systems or spatial distribution of urbanities in different-sized cities. It examines various drivers of urbanization alongside the benefits and costs and the role of markets, governments, and NGOs. *Cities of Dragons and Elephants* presents evidence-based policy suggestions regarding the labor market, the land and housing market, FDI and the capital market, education, environment, poverty, and inequality. It uses the similarities between India and China to draw conclusions and implications of enormous relevance to many governments and institutions in Asia and beyond.

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**OPERATORS, FUNCTIONS, AND SYSTEMS - AN EASY READING**

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**HARDY, HANKEL, AND TOEPLITZ**

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*American Mathematical Soc.* Together with the companion volume by the same author, *Operators, Functions, and Systems: An Easy Reading. Volume 2: Model Operator and Systems*, *Mathematical Surveys and Monographs*, Vol. 93, AMS, 2002, this unique work combines four major topics of modern analysis and its applications: A. Hardy classes of holomorphic functions. B. Spectral theory of Hankel and Toeplitz operators, Hardy classes of holomorphic functions is known to be the most powerful tool in complex analysis for a variety of applications, starting with Fourier series, through the Riemann  $\zeta$ -function, all the way to Wiener's theory of signal processing. Spectral theory of Hankel and Toeplitz operators becomes the supporting pillar for a large part of harmonic and complex analysis and for many of their applications. In this book, moment problems, Nevanlinna-Pick and Carathéodory interpolation, and the best rational approximations are considered to illustrate the power of Hankel and Toeplitz operators. The book is geared toward a wide audience of readers, from graduate students to professional mathematicians, interested in operator theory and functions of a complex variable. The two volumes develop an elementary approach while retaining an expert level that can be applied in advanced analysis and selected applications.

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**TEACHING SECONDARY AND MIDDLE SCHOOL MATHEMATICS**

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*Routledge* *Teaching Secondary and Middle School Mathematics* is designed for pre-service or in-service teachers. It combines up-to-date technology and research with a vibrant writing style to help teachers grasp curriculum, teaching, and assessment issues as they relate to secondary and middle school mathematics. The fifth edition includes greater coverage and alignment to the Common Core State Standards, a new chapter on tools and technology, and greater focus on classroom management, special education, and more on differentiating instruction.

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**THE HUMAN SKELETON IN FORENSIC MEDICINE**

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**(3RD ED.)**

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*Charles C Thomas Publisher* This classic in forensic anthropology has been thoroughly updated and greatly expanded for the new Third Edition. The result presents the state of the medicolegal art of investigating human skeletal remains. The third edition follows more than 25 years after the second edition. During this time, considerable changes occurred in the field and Forensic Anthropology became a distinct specialty in its own right. Included in the book are detailed discussions on crime scene investigation, including excavation techniques, time interval since death, human or animal remains, mass graves, and preparation of remains. Existing chapters, all dramatically revised, bring readers in line with the current concepts of skeletal age; determination of sex; assessment of ancestry; calculation of stature; factors of individualization; superimposition and restoration of physiognomy. There is also a section on dental analysis examining such topics as dental anatomy, nomenclature, estimation of age in subadults and adults, determination of sex and ancestry, and pathological conditions. New additions are chapters on skeletal pathology and trauma assessment. A new chapter has also been added on "Forensic Anthropology of the Living." Although all of the sections of the book have been updated significantly, the authors have retained some sense of history to recognize the many pioneers that have shaped the discipline. The text will assist forensic anthropologists and forensic pathologists who have to analyze skeletons found in forensic contexts. This book has a global perspective in order to make it usable to practitioners across the world. Where possible, short case studies have been added to illustrate the diverse aspects of the work.

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**APPLICATIONS OF ROBOTICS IN INDUSTRY USING ADVANCED MECHANISMS**

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**PROCEEDINGS OF INTERNATIONAL CONFERENCE ON ROBOTICS AND ITS INDUSTRIAL APPLICATIONS 2019**

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*Springer* This book shares important findings on the application of robotics in industry using advanced mechanisms, including software and hardware. It presents a collection of recent trends and research on various advanced computing paradigms such as soft computing, robotics, smart automation, power control, and uncertainty analysis. The book constitutes the proceedings of the 1st International Conference on Application of Robotics in Industry using Advanced Mechanisms (ARIAM2019), which offered a platform for sharing original research findings, presenting innovative ideas and applications, and comparing notes on various aspects of robotics. The contributions highlight the latest research and industrial applications of robotics, and discuss approaches to improving the smooth functioning of industries. Moreover, they focus on designing solutions for complex engineering problems and designing system components or processes to meet specific needs, with due considerations for public health and safety, including cultural, societal, and environmental considerations. Taken together, they offer a valuable resource for researchers, scientists, engineers, professionals and students alike.