Agra University Maths

LYNN OSBORN

Journal of Combinatorics, Information & System Sciences World Scientific
The chapters in this volume, written by international experts from different fields of mathematics, are devoted to honoring George Isac, a renowned mathematician. These contributions focus on recent developments in complementarity theory, variational principles, stability theory of functional equations, nonsmooth optimization, and several other important topics at the forefront of nonlinear analysis and optimization.
Issues in Logic, Operations, and Computational Mathematics and Geometry: 2013 Edition SBPD Publications
The volume contains selected articles presented in the ZOOM conference on History of Mathematics in Jain Literature, December 2020, and also contains articles invited by the editors on specific topics.The main objective for the conference was to bring to the attention of historians in mathematics that there is a plenty of literature written by monks and scholars in Jaina literature that contains elements of arithmetic, algebra and geometry, independent of discoveries by other cultures in the past. The talks and the discussions at the conference highlighted a need for a volume that can be recommended as a reference book for a course on History of Mathematics in the Departments of Mathematics and Education in colleges and universities. This is our hope that the present volume would fill up the gap on the lack of knowledge of past Jaina contributions.
Mathematics for IIT-JEE Main & Advanced Volume 1 Firewall Media
1. History of Indian Mathematics, 2. Cipher and Decipher (Seed Method), 3. Multiplication- a. Vilokanam, b. Eknyunen Purven, c. Ekadhikena Purvena, d. Duplex and Triplex Numbers e. Sequent Numbers, f. Cross and Vertical Method, g. Nikhilam Sutra, h. Multiplication by 12 to 19, i. Multiplication by 11, j. Multiplication by Factors, k. Multiplication of 2 digit numbers ending with 9, 4. Division by Flag and Post Method, 5. Divisibility and Osculators, 6. India's most prominent mathematicians, a. Arybhatta, b. Varahamihira
Vedic Mathematics Volume-I Multiply the speed and divide the time which result if high Performance by Jyoti Jain, Devanshu Jain Pearson Education India
This unique volume presents reviews of research in several important areas of applications of mathematical concepts to science and technology, for example applications of inverse problems and wavelets to real world systems. The book provides a comprehensive overview of current research of several outstanding scholars engaged in diverse fields such as complexity theory, vertex coupling in quantum graphs, mixing of substances by turbulence, network dynamics and architecture, processes with rate — independent hysteresis, numerical analysis of Hamilton Jacobi — Bellman equations, simulations of complex stochastic differential equations, optimal flow control, shape optimal flow control, shape optimization and aircraft designing, mathematics of brain, nanotechnology and DNA structure and mathematical models of environmental problems. The volume also contains contributory talks based on current researches of comparatively young researchers participating in the conference. Contents:Part A Invited Talk:In Appreciation of Dr Zakir Husain Award (M Zuhair Nashed)Kinematical Conservation Laws (KCL): Equations of Evolution of Curves and Surfaces (K R Arun and P Prasad)Systematic Discretization of Input/Output Maps and Control of Partial Differential Equations (J Heiland, V Mehrmann and M Schmidt)Vertex Couplings in Quantum Graphs: Approximations by Scaled Schrödinger Operators (P Exner)Complexity Leads to Randomness in Chaotic Systems (R Lozi)Mathematical Modeling for Unifying Different Branches of

Science, Engineering and Technology (N Rudraiah)On Equivalence Transformations and Exact Solutions of a Helmholtz Type Equation (O P Bhutani and L R Chowdhury)Cognitive Radio: State-of-the-Art and Mathematical Challenges (T Nadkar, V Thumar, A Patel, Md Z Ali Khan, U B Desai and S N Merchant)Part B Thematic Reviews:Inverse Problems of Parameter Identification in Partial Differential Equations (B Jadamba, A A Khan and M Sama)Finite Element Methods for HJB Equations (M Boulbrachene)Dynamics and Control of Underactuated Space Systems (K D Kumar and Godard)Some New Classes of Inverse Coefficient Problems in Engineering Mechanics and Computational Material Science Based on Boundary Measured Data (A Hasanov)Some Recent Developments on Mathematical Aspect of Wavelets (P Manchanda and Meenakshi)Relevance of Wavelets and Inverse Problems to Brain (A H Siddiqi, H K Sevindir, Z Aslan and C Yazici)Wavelets and Inverse Problems (K Goyal and M Mehra)Optimization Models for a Class of Structured Stochastic Games (S K Neogy, S Sinha, A K Das and A Gupta)Part C Contributory Talks:Predator-Prey Relations for Mammals where Prey Suppress Breeding (Q J Khan and M Al-Lawatia)SEI Model with Varying Transmission and Mortality Rates (G Rost)Trajectories and Stability Regions of the Lagrangian Points in the Generalized Chermnykh-Like Problem (B S Kushvah)MHD Flow Past an Infinite Plate Under the Effect of Gravity Modulation (S Wasu and S C Rajvanshi) Readership: Researchers in mathematical modeling, numerical analysis and computational mathematics. Keywords:Complexity Theory;Vertex Coupling in Quantum Graphs;Hamilton-Jacobiâ□□Bellman Equation;Prey and Predator Model;Inverse Problems and Wavelets;Dynamics and Control of Under Actuated Space Systems

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Ranchi University Mathematical Journal S. Chand Publishing
Akash Verma is a management graduate and currently works with a media company. In his fourteen-year-old professional career, he has worked in the FMCG and entertainment sector. His work has taken him to many parts across the country and he finds this experience very relevant while giving shape to his stories. This is his first attempt at writing a full-fledged fiction novel. Akash is currently based out of Gurgaon, India. You can catch him watching movies or reading anything under the sun when he is not working.

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Agra University Journal of Research S. Chand Publishing
This new edition of a very well-known and popular IIT-JEE Mathematics prep book carries all its hallmark features of the earlier editions. Along with exploration of theory, de□Onitions and derivations, the book carries a plenty of solved examples - from simple ones to more complex and tough problems in each chapter - to hand-hold students into the process of problem solving. After every important topic, problem exercises have been given which the students are expected to solve on their own. Hints and solutions of these problem exercises are given in case the students need to refer to these. Apart from the newer Main and Advanced problems, this edition carries all the old classic problems of the past decades from JEE as well as other similar examinations, because many such questions and their solutions are thought to be extremely important for developing a proper pedagogical approach to solving IIT-JEE Mathematics problems irrespective of year of examination. An assortment of selected problems of Main and Advanced exams of the last 5 years have been given at the end of the book along with solutions which the students can use as integrative practice questions and also get familiar with the trends of the recently held examinations. For an audio-visual demo and to get a closer look-and-feel of solving

Topics in Business Mathematics and Statistics Concept Publishing Company
The Volume Examines, In Depth, The Implications Of Indian History And Philosophy For Contemporary Mathematics And Science. The Conclusions Challenge Current Formal Mathematics And Its Basis In The Western Dogma That Deduction Is Infallible (Or That It Is Less Fallible Than Induction). The Development Of The Calculus In India, Over A Thousand Years, Is Exhaustively Documented In This Volume, Along With Novel Insights, And Is Related To The Key Sources Of Wealth-Monsoon-Dependent Agriculture And Navigation Required For Overseas Trade - And The Corresponding Requirement Of Timekeeping. Refecting The Usual Double Standard Of Evidence Used To Construct Eurocentric History, A Single, New Standard Of Evidence For Transmissions Is Proposed. Using This, It Is Pointed Out That Jesuits In Cochin, Following The Toledo Model Of Translation, Had Long-Term Opportunity To Transmit Indian Calculus Texts To Europe. The European Navigational Problem Of Determining Latitude, Longitude, And Loxodromes, And The 1582 Gregorian Calendar-Reform, Provided Ample Motivation. The Mathematics In These Earlier Indian Texts Suddenly Starts Appearing In European Works From The Mid-16Th Century Onwards, Providing Compelling Circumstantial Evidence. While The Calculus In India Had Valid Pramana, This Differed From Western Notions Of Proof, And The Indian (Algorismus) Notion Of Number Differed From The European (Abacus) Notion. Hence, Like Their Earlier Difficulties With The Algorismus, Europeans Had Difficulties In Understanding The Calculus, Which, Like Computer Technology, Enhanced The Ability To Calculate, Albeit In A Way Regarded As Epistemologically Insecure. Present-Day Difficulties In Learning Mathematics Are Related, Via Phylogeny Is Ontogeny , To These Historical Difficulties In Assimilating Imported Mathematics. An Appendix Takes Up Further Contemporary Implications Of The New Philosophy Of Mathematics For The Extension Of The Calculus, Which Is Needed To Handle The Infinities Arising In The Study Of Shock Waves And The Renormalization Problem Of Quantum Field Theory.

Advances in Fluid Dynamics World Scientific
Educational commissions continue to press the need for growth in higher education. In particular, universities in developing countries persist in putting their academic theory into practice by aiming to integrate their intellectual and cultural traditions into higher education. Evolving Corporate Education Strategies for Developing Countries: The Role of Universities presents the theories and opportunities for integrating corporate education into traditional universities as well as highlighting the professional development in different subject areas. This book provides relevant research important for policy makers, practitioners and scholars of higher education.

Indian Science Abstracts IGI Global
The Sāṃkhyayoga institution of Kāpil Maṭh is a religious organisation with a small tradition of followers which emerged in the last decade of the nineteenth century and the first decades of the twentieth century in Bengal in India around the renunciant and yogin Hariharānanda Āraṇya. This tradition developed during the same period in which modern yoga was born and forms a chapter in the expansion of yoga traditions in modern Hinduism. The book analyses the yoga teaching of Hariharānanda Āraṇya (1869-1947) and the Kāpil Maṭh tradition, its origin, history and contemporary manifestations, and this tradition’s connection to the expansion of yoga and the Yogasūtra in modern Hinduism. The Sāṃkhyayoga of the Kāpil Maṭh tradition is based on the Pātañjalayogaśāstra, on a number of texts in Sanskrit and Bengali written by their gurus, and on the lifestyle of the renunciant yogin living isolated in a cave. The book investigates Hariharānanda Āraṇya’s connection to pre-modern yoga traditions and the impact of modern production and transmission of knowledge on his interpretations of yoga. The book connects the Kāpil Maṭh tradition to the nineteenth century transformations of Bengali religious culture of the educated upper class that led to the production of a new type of yogin. The book analyses Sāṃkhyayoga as a living tradition, its current teachings and practices, and looks at what Sāṃkhyayogins do and what Sāṃkhyayoga is as a yoga practice. A valuable contribution to recent and ongoing debates, this book will be of interest to academics in the fields of Religious Studies, Anthropology, Asian Studies, Indology, Indian philosophy, Hindu Studies and Yoga Studies.

Yoga in Modern Hinduism New Academic Science Limited
Announcements for the following year included in some vols.

Vedic Mathematics Volume-I Sristhi Publishers & Distributors
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 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.

Comprehensive Applied Mathematics Disha Publications
A directory to the universities of the Commonwealth and the handbook of their association.

Cultural Foundations of Mathematics Disha Publications
The present book is designed for the course in Applied Mathematics to meet the requirements of the second year Diploma courses for all the engineering branches of different Technical Boards of Education in India. The objective of this book is to provide a simple presentation of the concepts, emphasizing understanding without sacrificing mathematical rigour. The book is composed of seven chapters. Each chapter presents illustrative solved examples and exercises. The problems given in exercises would develop interest and encourage the students to explore new ideas. The book presents an exhaustive coverage of the theory, formulae and a large number of solved examples to make the underlying principles more comprehensive. Salient Features: The subject matter is presented in a very systematic and logical manner. Emphasis has been laid on fundamentals. On each topic problems have been divided into different types and working rules for solving them have been given. Large number of solved examples have been provided in every chapter for better understanding of the subject, this will also be greatly helpful in building confidence and skill among the students

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Some Eminent Indian Mathematicians of the Twentieth Century Routledge
This new edition of a very well-known and popular IIT-JEE Mathematics prep book carries all its hallmark features of the earlier editions. Along with exploration of theory, de□Onitions and derivations, the book carries a plenty of solved examples - from simple ones to more complex and tough problems in each chapter - to hand-hold students into the process of problem solving. After every important topic, problem exercises have been given which the students are expected to solve on their own. Hints and solutions of these are given in case the students need to refer to these. Apart from the newer Main and Advanced problems, this edition carries all the old classic problems of the past decades from JEE as well as other similar examinations, because many such questions and their solutions are thought to be extremely important for developing a proper pedagogical approach to solving IIT-JEE Mathematics problems irrespective of year of examination. An assortment of selected problems of Main and Advanced exams of the last 5 years have been given at the end of the book along with solutions which the students can use as integrative practice questions and also get familiar with the trends of the recently held examinations. For an audio-visual demo and to get a closer look-and-feel of solving questions live, students are advised

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