14th World Mathematics Competition 2017 Sakamoto

Bipolar single-valued neutrosophic models are the generalization of bipolar fuzzy models. We rst introduce the concept of bipolar single-valued neutrosophic competition graphs. We then, discuss some important propositions related to bipolar single-valued neutrosophic competition graphs. We de ne bipolar single-valued neutrosophic economic competition graphs and m-step bipolar single-valued neutrosophic economic competition graphs. Further, we describe applications of bipolar single-valued neutrosophic competition graphs in organizational designations and brands competition. Finally, we present our improved methods by algorithms.

This book discusses the merits and potential shortcomings of Hong Kong STEM education from Grade 8 to Grade 12. Based on concurrent triangulated mixed-method methodology, which integrates both quantitative and qualitative procedures, it describes various change models and proposes new models that are considered compatible with Western cultures.

This book constitutes the revised and selected papers from the 18th International Conference on Mathematical Optimization Theory and Operations Research, MOTOR 2019, held in Ekaterinburg, Russia, in July 2019. The 40 full papers and 4 short papers presented in this volume were carefully reviewed and selected from a total of 170 submissions. The papers are organised according to the following topical headings: combinatorial optimization; game theory and mathematical economics; data mining and computational geometry; integer programming; mathematical programming; operations research; optimal control and applications.

Annals of Fuzzy Mathematics and Informatics, Volume 14, No. 1, 2017, Special issue on "Neutrosophic Sets and their Applications"Infinite Study

Agents Teaming Up in an Urban Environment

PROCEEDINGS OF THE 21ST CONFERENCE ON FORMAL METHODS IN COMPUTER-AIDED DESIGN – FMCAD 2021

Novel applications of bipolar single-valued neutrosophic competition graphs

The Biomechanics of Competitive Gait: Sprinting, Hurdling, Distance Running and Race Walking

Tools and Algorithms for the Construction and Analysis of Systems

6th Asian Conference, ACPR 2021, Jeju Island, South Korea, November 9–12, 2021, Revised Selected Papers, Part I

In this research article, we introduce certain notions of interval-valued neutrosophic graph structures. We elaborate the concepts of interval-valued neutrosophic graph structures with examples.

We first introduce the concept of interval-valued neutrosophic competition graphs. We then discuss certain types, including kcompetition interval-valued neutrosophic graphs, p-competition intervalvalued neutrosophic graphs and m-step interval-valued neutrosophic competition graphs. Moreover, we present the concept of m-step intervalvalued neutrosophic neighbourhood graphs.

This edited volume explores key areas of interests in Singapore math and science education including issues on teacher education, pedagogy, curriculum, assessment, teaching practices, applied learning, ecology of learning, talent grooming, culture of science and math, vocational education and STEM. It presents to policymakers and educators a clear picture of the education scene in Singapore and insights into the role of math and science education in helping the country excel beyond international studies such as PISA, the pedagogical and curricula advancements in math and science learning, and the research and practices that give Singaporean students the competitive edge in facing the uncertain and challenging landscape of the future.

Providing a comprehensive introduction to the topic of accountability and datafication in the governance of education, the World Yearbook of Education 2021 considers global policy dynamics and policy enactment processes. Chapters pay particular attention to the role of international organizations and the private sector in the promotion of performance-based accountability (PBA) in different educational settings and at multiple policy scales. Organized into three sections, chapters cover: the global/local construction of accountability and datafication; global discourse and national translations of performance-based accountability policies; and enactments and effects of accountability and datafication, including controversies and critical issues. With carefully chosen international contributions from around the globe, the World Yearbook of Education 2021 is ideal reading for anyone interested in the future of accountability and datafication in the governance of education.

The Encyclopedia of Neutrosophic Researchers

Computer Aided Verification

m−Polar Fuzzy Graphs

World Yearbook of Education 2021

A Python Tool for Implementations on Bipolar Neutrosophic Matrices

Games and Learning Alliance

This book constitutes the 13th edition of the annual Multi-Agent Programming Contest, MAPC 2018, and presents its participants. The 2018 scenario and all its changes from previous competitions are described in the first contribution, together with a brief description and analysis of the five participating teams and a closer look at the matches. It is followed by a contribution from each team, introducing their methods and tools used to create their agent team and analyzing their performance and the contest.

This book constitutes the proceedings of the 23rd International Conference on Theory and Applications of Satisfiability Testing, SAT 2020, which was planned to take place in Alghero, Italy, during July 5-9, 2020. Due to the coronavirus COVID-19 pandemic, the conference was held virtually. The 25 full, 9 short, and 2 tool papers presented in this volume were carefully reviewed and selected from 69 submissions. They deal with SAT interpreted in a broad sense, including theoretical advances (such as exact algorithms, proof complexity, and other complexity issues), practical search algorithms, knowledge compilation, implementation-level details of SAT solvers and SAT-based systems, problem encodings and reformulations, applications (including both novel application domains and improvements to existing approaches), as well as case studies and reports on findings based on rigorous experimentation.

This book describes a set of hybrid fuzzy models showing how to use them to deal with incomplete and/or vague information in different kind of decision-making problems. Based on the authors' research, it offers a concise introduction to important models, ranging from rough fuzzy digraphs and intuitionistic fuzzy soft graphs and neutrosophic graphs, explaining how to construct them. For each method, applications to different multi-attribute, multi-criteria decision-making problems, are presented and discussed. The book, which addresses computer scientists, mathematicians, and social scientists, is intended as concise yet complete guide to basic tools for constructing hybrid intelligent models for dealing with some interesting real-world problems. It is also expected to stimulate readers' creativity thus offering a source of inspiration for future research.

This book is Open Access under a CC BY licence. The LNCS 11427 and 11428 proceedings set constitutes the proceedings of the 25th International Conference on Tools and Algorithms for the Construction and Analysis of Systems, TACAS 2019, which took place in Prague, Czech Republic, in April 2019, held as part of the European Joint Conferences on Theory and Practice of Software, ETAPS 2019. The total of 42 full and 8 short tool demo papers presented in these volumes was carefully reviewed and selected from 164 submissions. The papers are organized in topical sections as follows: Part I: SAT and SMT, SAT solving and theorem proving; verification and analysis; model checking; tool demo; and machine learning. Part II: concurrent and distributed systems; monitoring and runtime verification; hybrid and stochastic systems; synthesis; symbolic verification; and safety and fault-tolerant systems.

Creating Change to Improve Science and Mathematics Education

25th International Conference, TACAS 2019, Held as Part of the European Joint Conferences on Theory and Practice of Software, ETAPS 2019, Prague, Czech Republic, April 6-11, 2019, Proceedings, Part I

Interval-valued neutrosophic competition graphs

Beyond PISA

Volume 2

Selamat Jalan Wahai Pejuang Kebanggaan Kami

This two-volume set LNCS 13188 - 13189 constitutes the refereed proceedings of the 6th Asian Conference on Pattern Recognition, ACPR 2021, held in Jeju Island, South Korea, in November 2021. The 85 full papers presented were carefully reviewed and selected from 154 submissions. The papers are organized in topics on: classification, action and video and motion, object detection and anomaly, segmentation, grouping and shape, face and body and biometrics, adversarial learning and networks, computational photography, learning theory and optimization, applications, medical and robotics, computer vision and robot vision.

The open access two-volume set LNCS 11561 and 11562 constitutes the refereed proceedings of the 31st International Conference on Computer Aided Verification, CAV 2019, held in New York City, USA, in July 2019. The 52 full papers presented together with 13 tool papers and 2 case studies, were carefully reviewed and selected from 258 submissions. The papers were organized in the following topical sections: Part I: automata and timed systems; security and hyperproperties; synthesis; model checking; cyber-physical systems and machine learning; probabilistic systems, runtime techniques; dynamical, hybrid, and reactive systems; Part II: logics, decision procedures; and solvers; numerical programs; verification; distributed systems and networks; verification and invariants; and concurrency.

The digital economy is gradually gaining traction through a variety of recent technological developments, including the introduction of the Internet of things, artificial intelligence and markets for data. This innovative book contains contributions from leading competition law scholars who map out and investigate the anti-competitive effects that are developing in the digital economy.

"Neutrosophic Sets and Systems" has been created for publications on advanced studies in neutrosophy, neutrosophic set, neutrosophic logic, neutrosophic probability, neutrosophic statistics that started in 1995 and their applications in any field, such as the neutrosophic structures developed in algebra, geometry, topology, etc. Some articles from this issue: Reduction of indeterminacy of gray-scale image in bipolar neutrosophic domain, Single Valued Neutrosophic Coloring, An Integrated Neutrosophic and MOORA for Selecting Machine Tool, Plithogenic Fuzzy Whole Hypersoft Set, Construction of Operators and their Application in Frequency Matrix Multi Attribute Decision Making Technique, Pi-Distance of Rough Neutrosophic Sets for Medical Diagnosis, Machine learning in Neutrosophic Environment: A Survey.

Hybrid Soft Computing Models Applied to Graph Theory
Law, Economics, and Conflict
The William Lowell Putnam Mathematical Competition 2001–2016: Problems, Solutions, and Commentary
Mathematical Optimization Theory and Operations Research
NDA/ NA 14 Year-wise Solved Papers (2022 - 15) Phase I & II 4th Edition
14th International Symposium, ISMM 2019, Saarbrücken, Germany, July 8-10, 2019, Proceedings

This is the second volume of the Encyclopedia of Neutrosophic Researchers, edited from materials offered by the authors who responded to my invitation. The introduction contains a short history of neutrosophics, together with links to the main papers and books.

In the past, practical applications motivated the development of mathematical theories, which then became the subject of study in pure mathematics where abstract concepts are studied for their own sake. The activity of applied mathematics is thus intimately connected with research in pure mathematics, which is also referred to as theoretical mathematics. Theoretical and Applied Mathematics in International Business is an essential research publication that explores the importance and implications of applied and theoretical mathematics within international business, including areas such as finance, general management, sales and marketing, and supply chain management. Highlighting topics such as data mining, global economics, and general management, this publication is ideal for scholars, specialists, managers, corporate professionals, researchers, and academicians.

Macro Talent Management: A Global Perspective on Managing Talent in Developed Markets is the first book to focus specifically on country-level activities aimed at attracting, mobilizing, developing, and retaining top talent for economic success in developed markets. The book serves as a guide that orients the reader toward activities that increase their country's global competitiveness, attractiveness, and economic development through strategic talent management. This book brings together leading experts from around the world to address such isues as cross-border flows of talent, diaspora mobility, knowledge flows, global labour markets, and policies. Bringing together research from the fields of human resource management, international business, economic geography, comparative international development, and political economy, this is a definitive, comprehensive treatment of the topic aimed at advanced students and practitioners.

Neutrosophic graph (NG) is a powerful tool in graph theory, which is capable of modeling many real-life problems with uncertainty due to unclear, varying, and indeterminate information. Meanwhile, the fuzzy graphs (FGs) and intuitionistic fuzzy graphs (IFGs) may not handle these problems as efficiently as NGs. It is difficult to model uncertainty due to imprecise information and vagueness in real-world scenarios. Many real-life optimization problems are modeled and solved using the well-known fuzzy graph theory.

Mathematical Morphology and Its Applications to Signal and Image Processing
Singapore Math and Science Education Innovation
European Conference, ECML PKDD 2018, Dublin, Ireland, September 10–14, 2018, Proceedings, Part I
Machine Learning and Knowledge Discovery in Databases
Mathematicians of the World, Unite!
Theory and Applications of Satisfiability Testing – SAT 2020

This book constitutes the refereed proceedings of the 9th International Conference on Games and Learning Alliance, GALA 2020, held in Laval, France, in December 2020. The 35 full papers and 10 short papers were carefully reviewed and selected from 77 submissions. The papers cover a broad spectrum of topics: Serious Game Design; Serious Game Analytics; Virtual and Mixed Reality Applications; Gamification Theory; Gamification Applications; Serious Games for Instruction; and Serious Game Applications and Studies.

This vividly illustrated history of the International Congress of Mathematicians — a meeting of mathematicians from around the world held roughly every four years — acts as a visual history of the 25 congresses held between 1897 and 2006, as well as a story of changes in the culture of mathematics over the past century. Because the congress is an international meeting, looking at its history allows us a glimpse into the effect of wars and strained relations between nations on the scientific community.

This book addresses single-valued neutrosophic graphs and their applications. In addition, it introduces readers to a number of central concepts, including certain types of single-valued neutrosophic graphs, energy of single-valued neutrosophic graphs, bipolar single-valued neutrosophic planar graphs, isomorphism of intuitionistic single-valued neutrosophic soft graphs, and single-valued neutrosophic soft rough graphs. Divided into eight chapters, the book seeks to remedy the lack of a mathematical approach to indeterminate and inconsistent information. Chap. 1 presents a concise review of single-valued neutrosophic sets, while Chap. 2 explains the notion of neutrosophic graph structures and explores selected properties of neutrosophic graph structures. Chap. 3 discusses specific bipolar neutrosophic graphs. Chap. 4 highlights the concept of interval-valued neutrosophic graphs, while Chap. 5 presents certain notions concerning interval-valued neutrosophic graph structures. Chap. 6 addresses the concepts of rough neutrosophic digraphs and neutrosophic rough digraphs. Chap. 7 focuses on the concepts of neutrosophic soft graphs and intuitionistic neutrosophic soft graphs, before Chap. 8 rounds out the book by considering neutrosophic soft rough graphs.

Kami menyediakan diri untuk menjadi saksi atas pengabdianmu yang kau mulai sedari beliamu hingga jelang wafatmu. Kami ikhlas melepas kepergianmu dengan senyum bangga sebagaimana senyum yang selalu kau tebarkan kepada kami saat bertemu. Perjuanganmu dalam mencetak kader pembangunan umat dan bangsa terpatri kuat dalam sanubari. Selamat Jalan, Wahai Pejuang Kebanggaan Kami

Proceedings of the Fourteenth International Conference on Management Science and Engineering Management
18th International Conference, MOTOR 2019, Ekaterinburg, Russia, July 8 - 12, 2019, Revised Selected Papers
A Global Perspective on Managing Talent in Developed Markets
19th International Conference, MOTOR 2020, Novosibirsk, Russia, July 6–10, 2020, Revised Selected Papers
Pattern Recognition
Lessons from Hong Kong

Unser Leben ist von Hardware geprä gt: Sei es der USB-Stick, der Prozessor unserer Laptops oder die Sim-Karte unseres Smartphones. Doch wer sorgt eigentlich dafü r, dass diese Systeme vom ersten Entwurf an stabil und sicher funktionieren? Der Computer – mithilfe des Menschen. Das Ganze nennt sich CAD (computer-aided design= computerunterstü tztes Entwerfen) und ist aus der modernen Industriewelt nicht mehr wegzudenken. Doch wie lä sst sich sicherstellen, dass eingesetzte Hardware und Computersysteme zuverlä ssig sind? Durch Formale Methoden: Das sind Techniken und Werkzeuge, mit denen man berechnet, ob etwa eine Systembeschreibung in sich konsistent ist oder Anforderungen richtig entworfen und implementiert wurden. Anders gesagt: Man kann damit die Sicherheit von Hardware und Software ü berprü fen. Wie das konkret aussehen kann, interessiert auch die jä hrlich stattfindende Konferenz „ Formal Methods in Computer-Aided Design (FMCAD)" . Unter der Leitung von Ruzica Piskac und Michael W. Whalen beschä ftigte sich die 21. Tagung im Oktober 2021 mit den neuesten Forschungsergebnissen im Bereich der Formalen Methoden. Zu dieser Online-Tagung ist nun auch ein Konferenzband mit ü ber 30 Beiträ gen erschienen, die ein breites Spektrum der Formalen Methoden abdecken: angefangen bei der Verifikation von Hardware, nebenlä ufigen und verteilten Systemen und neuronalen Netzen bis hin zu maschinellen Lernen und Entscheidungsprozeduren. Der Band gewä hrt einen spannenden Einblick in bahnbrechende Methoden, Technologien, theoretische Ergebnisse und Werkzeuge fü r Formale Logik in Rechensystemen und Systementwicklungen.

The William Lowell Putnam Mathematics Competition is the most prestigious undergraduate mathematics problem-solving contest in North America, with thousands of students taking part every year. This volume presents the contest problems for the years 2001– 2016. The heart of the book is the solutions; these include multiple approaches, drawn from many sources, plus insights into navigating from the problem statement to a solution. There is also a section of hints, to encourage readers to engage deeply with the problems before consulting the solutions. The authors have a distinguished history of engagement with, and preparation of students for, the Putnam and other mathematical competitions.

Collectively they have been named Putnam Fellow (top five finisher) ten times. Kiran Kedlaya also maintains the online Putnam Archive.

Bipolar neutrosophic matrices (BNM) are obtained by bipolar neutrosophic sets. Each bipolar neutrosophic number represents an element of the matrix. The matrices are representable multi-dimensional arrays (3D arrays). The arrays have nested list data type. Some operations, especially the composition is a challenging algorithm in terms of coding because there are so many nested lists to manipulate. This paper presents a Python tool for bipolar neutrosophic matrices. The advantage of this work, is that the proposed Python tool can be used also for fuzzy matrices, bipolar fuzzy matrices, intuitionistic fuzzy matrices, bipolar intuitionistic fuzzy matrices and single valued neutrosophic matrices.

This book constitutes refereed proceedings of the 19th International Conference on Mathematical Optimization Theory and Operations Research, MOTOR 2020, held in Novosibirsk, Russia, in July 2020. Due to the COVID-19 pandemic the conference was held online. The 25 full papers and 8 short papers presented in this volume were carefully reviewed and selected from a total of 102 submissions. The papers in the volume are organised according to the following topical headings: combinatorial optimization; mathematical programming; global optimization; game theory and mathematical economics; heuristics and metaheuristics; machine learning and data analysis.

Majalah Al Azhar Edisi 313

Global Cyber Security Labor Shortage and International Business Risk

Theoretical and Applied Mathematics in International Business

31st International Conference, CAV 2019, New York City, NY, USA, July 15-18, 2019, Proceedings

Accountability and Datafication in the Governance of Education

Global events involving cybersecurity breaches have highlighted the ever-growing dependence on interconnected online systems in international business. The increasing societal dependence on information technology has pushed cybersecurity to the forefront as one of the most urgent challenges facing the global community today. Poor cybersecurity is the primary reason hackers are able to penetrate safeguards in business computers and other networks, and the growing global skills gap in cybersecurity simply exacerbates the problem. Global Cyber Security Labor Shortage and International Business Risk provides emerging research exploring the theoretical and practical aspects of protecting computer systems against online threats as well as transformative business models to ensure sustainability and longevity. Featuring coverage on a broad range of topics such as cybercrime, technology security training, and labor market understanding, this book is ideally designed for professionals, managers, IT consultants, programmers, academicians, and students seeking current research on cyber security's influence on business, education, and social networks.

In Law, Economics, and Conflict, Kaushik Basu and Robert C. Hockett bring together international experts to offer new perspectives on how to take analytic tools from the realm of academic research out into the real world to address pressing policy questions. As the essays discuss, political polarization, regional conflicts, climate change, and the dramatic technological breakthroughs of the digital age have all left the standard tools of regulation floundering in the twenty-first century. These failures have, in turn, precipitated significant questions about the fundamentals of law and economics. The contributors address law and economics in diverse settings and situations, including central banking and the use of capital controls, fighting corruption in China, rural credit markets in India, pawnshops in the United States, the limitations of antitrust law, and the role of international monetary regimes. Collectively, the essays in Law, Economics, and Conflict rethink how the insights of law and economics can inform policies that provide individuals with the space and means to work, innovate, and prosper—while guiding states and international organization to regulate in ways that limit conflict, reduce national and global inequality, and ensure fairness. Contributors: Kaushik Basu; Kimberly Bolch; University of Oxford; Marieke Bos, Stockholm School of Economics; Susan Payne Carter, US Military Academy at West Point; Peter Cornelisse, Erasmus University Rotterdam; Gaël Giraud, Georgetown University; Nicole Hassoun, Binghamton University; Robert C. Hockett; Karla Hoff, Columbia University and World Bank; Yair Listokin, Yale Law School; Cheryl Long, Xiamen University and Wang Yanan Institute for Study of Economics (WISE); Luis Felipe López-Calva, UN Development Programme; Célestin Monga, Harvard University; Paige Marta Skiba, Vanderbilt Law School; Anand V. Swamy, Williams College; Erik Thorbecke, Cornell University; James Walsh, University of Oxford. Contributors: Kimberly B. Bolch, Marieke Bos, Susan Payne Carter, Peter A. Cornelisse, Gaël Giraud, Nicole Hassoun, Karla Hoff, Yair Listokin, Cheryl Long, Luis F. López-Calva, Célestin Monga, Paige Marta Skiba, Anand V. Swamy, Erik Thorbecke, James Walsh

This contributed volume is devoted to the recent history and evolution of mathematics education in Eastern Europe, exploring how it was influenced by social and political changes in this part of the world. Despite the broad recognition of the importance of these changes, little scholarship exists that examines the ways in which they were followed by changes in the teaching of mathematics in the post-socialist countries. Indeed, the analyzed economies are complex and vary across the states. Accordingly, this book touches on many factors--including differences in cultures and traditions – that find expression in the teaching of mathematics. Specifically, this volume seeks to explore what changes there were in education in general and in the position of mathematics in school education in these years, and how these changes may be explained and documented; what changes there were in the content of mathematics education and its assessment, and how were they motivated and adopted; what new textbooks appeared and what new methodological ideas were offered in them; how and why mathematics teacher education and/or professional development changed; what was the role (if any) of foreign influences on mathematics education, etc.The book will be of interest to both researchers in mathematics education and practitioners-teachers, as well as a broader audience of historians and educators exploring the political aspects of education.

The three volume proceedings LNAI 11051 – 11053 constitutes the refereed proceedings of the European Conference on Machine Learning and Knowledge Discovery in Databases, ECML PKDD 2018, held in Dublin, Ireland, in September 2018. The total of 131 regular papers presented in part I and part II was carefully reviewed and selected from 535 submissions; there are 52 papers in the applied data science, nectar and demo track. The contributions were organized in topical sections named as follows: Part I: adversarial learning; anomaly and outlier detection; applications; classification; clustering and unsupervised learning; deep learningensemble methods; and evaluation. Part II: graphs; kernel methods; learning paradigms; matrix and tensor analysis; online and active learning; pattern and sequence mining; probabilistic models and statistical methods; recommender systems; and transfer learning. Part III: ADS data science applications; ADS e-commerce; ADS engineering and design; ADS financial and security; ADS health; ADS sensing and positioning; nectar track; and demo track.

Engaging Young Students In Mathematics Through Competitions - World Perspectives And Practices: Volume Ii - Mathematics Competitions And How They Relate To Research, Teaching And Motivation

Theory, Methods & Applications

Graphical Analysis of Covering and Paired Domination in the Environment of Neutrosophic Information

The Multi-Agent Programming Contest 2018

Eastern European Mathematics Education in the Decades of Change

Macro Talent Management

This book contains the refereed proceedings of the 14th International Symposium on Mathematical Morphology, ISMM 2019, held in Saarbrücken, Germany, in July 2019. The 40 revised full papers presented together with one invited talk were carefully reviewed and selected from 54 submissions. The papers are organized in topical sections on Theory, Discrete Topology and Tomography, Trees and Hierarchies, Multivariate Morphology, Computational Morphology, Machine Learning, Segmentation, Applications in Engineering, and Applications in (Bio)medical Imaging.

The authors and co-authors, listed in the order of their published neutrosophic papers: Muhammad Akram, Muzzamal Sitara, A. A. A. Agboola, B. Davvaz, F. Smarandache, Ali Hassan, Muhammad Aslam Malik, Said Broumi, Assia Bakali, Mohamed Talea, K. Hur, P. K. Lim, J. G. Lee, J. Kim, Young Bae Jun, Maryam Nasir, and A. Borumand Saeid, would like to thank Prof. Kul Hur, the Editor- in-Chief of the international journal Annals of Fuzzy Mathematics and Informatics (AFMI), for dedicating the whole Vol. 14, No.1, published on 25 July 2017, to the neutrosophic theories and applications. The papers included in this volume are especially referring to neutrosophic (single-valued and interval-valued) graphs and bipolar graphs, and their applications in multi-criteria decision making (MCDM), and to neutrosophic algebraic structures, such as: category of neutrosophic crisp sets, neutrosophic quadruple algebraic hyperstructures, and neutrosophic subalgebras of BCK/BCI-algebras. We would also like to bring our gratitude to many reviewers of the neutrosophic community, from around the world, community that has grew to over eight hundred peoples (students, faculty, and researchers).

This book gathers the proceedings of the 14th International Conference on Management Science and Engineering Management (ICMSEM 2020). Held at the Academy of Studies of Moldova from July 30 to August 2, 2020, the conference provided a platform for researchers and practitioners in the field to share their ideas and experiences. Covering a wide range of topics, including hot management issues in engineering science, the book presents novel ideas and the latest research advances in the area of management science and engineering management. It includes both theoretical and practical studies of management science applied in computing methodology, highlighting advanced management concepts, and computing technologies for decision-making problems involving large, uncertain and unstructured data. The book also describes the changes and challenges relating to decision-making procedures at the dawn of the big data era, and discusses new technologies for analysis, capture, search, sharing, storage, transfer and visualization, as well as advances in the integration of optimization, statistics and data mining. Given its scope, it will appeal to a wide readership, particularly those looking for new ideas and research directions.

#NDA/ NA 14 Year-wise Solved Papers (2022 - 15) Phase I & II consists of past 8 years Solved papers of Phase I & II (2015 - 2022). #The book covers all papers from 2015 Ist paper to 2022 Ist Paper (April). Thus covering 14 Papers in all. The exam was held once in 2020 due to Covid 19. #The book provides solutions to each and every questions immediately after the question paper.

9th International Conference, GALA 2020, Laval, France, December 9–10, 2020, Proceedings

Annals of Fuzzy Mathematics and Informatics, Volume 14, No. 1, 2017, Special issue on "Neutrosophic Sets and their Applications"

CDS 14 Years Mathematics, English & General Knowledge Topic-wise Solved Papers (2007 - 2020) - 4th Edition

NDA/ NA 10 Year-wise Solved Papers (2019 - 14) Phase I & II

Single-Valued Neutrosophic Graphs

Competition Law for the Digital Economy

This book provides readers with an introduction to m-polar fuzzy graphs and m-polar fuzzy hypergraphs, covering both theories and applications. A special emphasis is given to m-polar fuzzy graphs at the aim of filling a gap in the literature, namely the absence of a mathematical approach to analyze multi-index, multipolar, and multi-attribute data. The book describes metrics and labeling in m-polar graphs, m-polar fuzzy matroids. It also discusses in detail important applications in decision-making problems and imaging processing. The book is expected to stimulate the curiosity of mathematics, computer scientists, and social scientists alike, and to provide both students and researchers with the necessary knowledge to understand and apply m-polar fuzzy graph theory.

The International Congress of Mathematicians--A Human Endeavor

Neutrosophic Sets and Systems, Vol. 28, 2019

Interval-Valued Neutrosophic Graph Structures

23rd International Conference, Alghero, Italy, July 3-10, 2020, Proceedings