

Distance In Graphs Buckley Harary

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MATHEMATICAL COMBINATORICS (INTERNATIONAL BOOK SERIES), Vol. 2, 2020 - Linfan Mao

The mathematical combinatorics is a subject that applying combinatorial notions to all mathematics and all sciences for understanding the reality of things in the universe, motivated by CC Conjecture of Dr. Linfan MAO on mathematical sciences. The International J. Mathematical Combinatorics (ISSN 1937-1055) is a fully refereed international journal, sponsored by the MADIS of Chinese Academy of Sciences and published in USA quarterly, which publishes original research papers and survey articles in all aspects of mathematical combinatorics, Smarandache multi-spaces, Smarandache geometries, non-Euclidean geometry, topology and their applications to other sciences.

Graphs and Networks - S. R. Kingan 2022-05-03

Graphs and Networks A unique blend of graph theory and network science for mathematicians and data science professionals alike. Featuring topics such as minors, connectomes, trees, distance, spectral graph theory, similarity, centrality, small-world networks, scale-free networks, graph algorithms, Eulerian circuits, Hamiltonian cycles, coloring, higher connectivity, planar graphs, flows, matchings, and coverings, Graphs and Networks contains modern applications for graph theorists and a host of useful theorems for network scientists. The book begins with applications to biology and the social and political sciences and gradually takes a more theoretical direction toward graph structure theory and combinatorial optimization. A background in linear algebra, probability, and statistics provides the proper frame of reference. Graphs and Networks also features: Applications to neuroscience, climate science, and the social and political sciences A research outlook integrated directly into the narrative with ideas for students interested in pursuing research projects at all levels A large selection of primary and secondary sources for further reading Historical notes that hint at the passion and excitement behind the discoveries Practice problems that reinforce the concepts and encourage further investigation and independent work

International Journal of Mathematical Combinatorics, Volume 4, 2009 - Linfan Mao

Topics in detail to be covered are: Smarandache multi-spaces with applications to other sciences, such as those of algebraic multi-systems, multi-metric spaces; Smarandache geometries; Differential Geometry; Geometry on manifolds; Combinatorial designs; Combinatorial enumeration; Other applications of Smarandache multi-space and combinatorics.

Mathematical Combinatorics, Vol. 3/2012 - Linfan Mao

Papers on Bitopological Supra B-Open Sets, Finsler Space with Randers Conformal Change –Main Scalar, Geodesic and Scalar Curvature, Around The Berge Problem And Hadwiger Conjecture, Odd Harmonious Labeling of Some Graphs, and other topics. Contributors: Agboola A.A.A., Akwu A.O., Oyebo Y.T., M.Lellis Thivagar, B.Meera Devi, H.S.Shukla, Arunima Mishra, Keerti Vardhan Madahar, Ikorong Anouk Gilbert Nemron, G.Mahadevan, Selvam Avadayappan, J.Paulraj Joseph Et Al, and others.

Distance In Graphs - Fred Buckley 1990-01-21

Quo Vadis, Graph Theory? - J. Gimbel 1993-03-17

Graph Theory (as a recognized discipline) is a relative newcomer to Mathematics. The first formal paper is found in the work of Leonhard Euler in 1736. In recent years the subject has grown so rapidly that in today's literature, graph theory papers abound with new mathematical developments and significant applications. As with any academic field, it is good to step back occasionally and ask Where is all this activity taking us?, What are the outstanding fundamental problems?, What are the next important steps to take?. In short, Quo Vadis, Graph Theory?. The contributors to this volume have together provided a comprehensive reference source for future directions and open questions in the field.

Combinatorics, Computability and Logic - C.S. Calude 2012-12-06

This volume contains the papers presented at the Third Discrete Mathematics and Theoretical Computer Science Conference (DMTCS1), which was held at 'Ovidius'University Constantza, Romania in July 2001. The conference was open to all areas of discrete mathematics and theoretical computer science, and the papers contained within this volume cover topics such as: abstract data types and specifications; algorithms and data structures; automata and formal languages; computability, complexity and constructive mathematics; discrete mathematics, combinatorial computing and category theory; logic, nonmonotonic logic and hybrid systems; molecular computing.

Handbook of Graph Theory, Second Edition - Jonathan L. Gross 2013-12-17

In the ten years since the publication of the best-selling first edition, more than 1,000 graph theory papers have been published each year. Reflecting these advances, Handbook of Graph Theory, Second Edition provides comprehensive coverage of the main topics in pure and applied graph theory. This second edition—over 400 pages longer than its predecessor—incorporates 14 new sections. Each chapter includes lists of essential definitions and facts, accompanied by examples, tables, remarks, and, in some cases, conjectures and open problems. A bibliography at the end of each chapter provides an extensive guide to the research literature and pointers to monographs. In addition, a glossary is included in each chapter as well as at the end of each section. This edition also contains notes regarding terminology and notation. With 34 new contributors, this handbook is the most comprehensive single-source guide to graph theory. It emphasizes quick accessibility to topics for non-experts and enables easy cross-referencing among chapters.

Algebraic Graph Theory - Ulrich Knauer 2019-10-08

Graph models are extremely useful for a large number of applications as they play an important role as structuring tools. They allow to model net structures – like roads, computers, telephones, social networks – instances of abstract data structures – like lists, stacks, trees – and functional or object oriented programming. The focus of this highly self-contained book is on homomorphisms

and endomorphisms, matrices and eigenvalues.

MATHEMATICAL COMBINATORICS (INTERNATIONAL BOOK SERIES) - Linfan MAO

The mathematical combinatorics is a subject that applying combinatorial notion to all mathematics and all sciences for understanding the reality of things in the universe, motivated by CC Conjecture of Dr.Linfan MAO on mathematical sciences. TheMathematical Combinatorics (International Book Series) is a fully refereed international book series with an ISBN number on each issue, sponsored by the MADIS of Chinese Academy of Sciences and published in USA quarterly, which publishes original research papers and survey articles in all aspects of mathematical combinatorics, Smarandachemulti-spaces, Smarandache geometries, non-Euclidean geometry, topology and their applications to other sciences.

Mathematical Combinatorics, vol. I, 2015 - Linfan Mao

Papers on Antidegree Equitable Sets in a Graph, One Modulo N Gracefulness of Some Arbitrary Supersubdivision and Removal Graphs, A New Approach to Natural Lift Curves of the Spherical Indicatrices of Timelike Bertrand Mate, On Signed Graphs Whose Two Path Signed Graphs are Switching Equivalent to Their Jump Signed Graphs, and other topics. Contributors: C. Adiga, K.N.S. Krishna, Mathew Varkey T.K, Sunoj B.S, V. Ramachandran, C. Sekar, W. Barbara, P. Sugirtha, R. Vasuki, J. Venkateswari, Yizhi Chen, Siyan Li, Wei Chen, and others.

Fundamental Structures of Algebra and Discrete Mathematics - Stephan Foldes 2011-02-14

Introduces and clarifies the basic theories of 12 structural concepts, offering a fundamental theory of groups, rings and other algebraic structures. Identifies essentials and describes interrelationships between particular theories. Selected classical theorems and results relevant to current research are proved rigorously within the theory of each structure. Throughout the text the reader is frequently prompted to perform integrated exercises of verification and to explore examples.

Fuzzy Graph Theory - Sunil Mathew 2017-12-30

This book provides a timely overview of fuzzy graph theory, laying the foundation for future applications in a broad range of areas. It introduces readers to fundamental theories, such as Craine's work on fuzzy interval graphs, fuzzy analogs of Marczewski's theorem, and the Gilmore and Hoffman characterization. It also introduces them to the Fulkerson and Gross characterization and Menger's theorem, the applications of which will be discussed in a forthcoming book by the same authors. This book also discusses in detail important concepts such as connectivity, distance and saturation in fuzzy graphs. Thanks to the good balance between the basics of fuzzy graph theory and new findings obtained by the authors, the book offers an excellent reference guide for advanced undergraduate and graduate students in mathematics, engineering and computer science, and an inspiring read for all researchers interested in new developments in fuzzy logic and applied mathematics.

Algorithms and Discrete Applied Mathematics - B.S. Panda 2018-02-05

This book constitutes the proceedings of the 4th International Conference on Algorithms and Discrete Applied Mathematics, CALDAM 2018, held in Guwahati, India, in February 2018. The 23 papers presented in this volume were carefully reviewed and selected from 68 submissions. They focus on topics related to efficient algorithms and data structures, their analysis (both theoretical and experimental). The mathematical problems arising thereof, and new applications of discrete mathematics, advances in existing applications and development of new tools for discrete mathematics.

Mathematical Combinatorics, Vol. 4/2009 - Linfan Mao

Papers on Smarandachely Bondage Number of a Graph, Domination Number in 4-Regular Graphs, On Smarandachely Harmonic Graphs, Independent Complementary Distance Pattern Uniform Graphs, Efficient Domination in Bi-Cayley Graphs, and other topics. Contributors: D.D. Somashekara, C.R. Veena, Aysun Aytac, Elgin Kilic, Agboola A.A.A., D Akinola L.S., K. R. Vasuki, G. Sharath, E. Sampathkumar, P. Siva Kota Reddy, M.S. Subramanya, Liangxia Wan, Hongjian Lai, Yanpei Liu, and others

Graph Theory - Ralucca Gera 2018-10-26

This second volume in a two-volume series provides an extensive collection of conjectures and open problems in graph theory. It is designed for both graduate students and established researchers in discrete mathematics who are searching for research ideas and references. Each chapter provides more than a simple collection of results on a particular topic; it captures the reader's interest with techniques that worked and failed in attempting to solve particular conjectures. The history and origins of specific conjectures and the methods of researching them are also included throughout this volume. Students and researchers can discover how the conjectures have evolved and the various approaches that have been used in an attempt to solve them. An annotated glossary of nearly 300 graph theory parameters, 70 conjectures, and over 600 references is also included in this volume. This glossary provides an understanding of parameters beyond their definitions and enables readers to discover new ideas and new definitions in graph theory. The editors were inspired to create this series of volumes by the popular and well-attended special sessions entitled "My Favorite Graph Theory Conjectures," which they organized at past AMS meetings. These sessions were held at the winter AMS/MAA Joint Meeting in Boston, January 2012, the SIAM Conference on Discrete Mathematics in Halifax in June 2012, as well as the winter AMS/MAA Joint Meeting in Baltimore in January 2014, at which many of the best-known graph theorists spoke. In an effort to aid in the creation and dissemination of conjectures and open problems, which is crucial to the growth and development of this field, the editors invited these speakers, as well as other experts in graph theory, to contribute to this series.

International Journal of Mathematical Combinatorics, Volume 4, 2014 - Linfan Mao

The International J. Mathematical Combinatorics is a fully refereed international journal, sponsored by the MADIS of Chinese Academy of Sciences and published in USA quarterly, which publishes original research papers and survey articles in all aspects of mathematical combinatorics, Smarandache multi-spaces, Smarandache geometries, non-Euclidean geometry, topology and their applications to other sciences.

Handbook of Graph Theory - Jonathan L. Gross 2003-12-29

The Handbook of Graph Theory is the most comprehensive single-source guide to graph theory ever published. Best-selling authors Jonathan Gross and Jay Yellen assembled an outstanding team of experts to contribute overviews of more than 50 of the most significant topics in graph theory-including those related to algorithmic and optimization approach

International Journal of Mathematical Combinatorics, Volume 3, 2012 - Linfan Mao

Topics in detail to be covered are: Smarandache multi-spaces with applications to other sciences, such as those of algebraic multi-systems, multi-metric spaces; Smarandache geometries; Differential Geometry; Geometry on manifolds; Topological graphs; Algebraic graphs; Random graphs; Combinatorial maps; Graph and map enumeration; Combinatorial designs; Combinatorial enumeration; Low Dimensional Topology; Differential Topology; Topology of Manifolds; Geometrical aspects of Mathematical Physics and Relations with Manifold Topology; Applications of Smarandache multi-spaces to theoretical physics; Applications of Combinatorics to mathematics and theoretical physics; Mathematical theory on gravitational fields; Mathematical theory on parallel universes; Other applications of Smarandache multi-space and combinatorics.

International Journal of Mathematical Combinatorics, Volume 2, 2016 - Linfan Mao

The mathematical combinatorics is a subject that applying combinatorial notion to all mathematics and all sciences for understanding the reality of things in the universe. The International J. Mathematical Combinatorics is a fully refereed international journal, sponsored by the MADIS of Chinese Academy of Sciences and published in USA quarterly, which publishes original research papers and survey articles in all aspects of mathematical combinatorics, Smarandache multi-spaces, Smarandache geometries, non-Euclidean geometry, topology and their applications to other sciences.

Mathematical Combinatorics, Vol. IV, 2014 - Linfan Mao

Papers on Smarandache Lattice and Pseudo Complement, Smarandache's Conjecture on Consecutive Primes, Signed Domatic Number of Directed Circulant Graphs, Generalized Quasi-Kenmotsu Manifolds, Geometry on Non-Solvable Equations-A Review on Contradictory Systems, and other topics. Contributors: Octavian Cira, Linfan Mao, N. Kannappa, K. Suresh, F. Smarandache, M. Ali, A. Raheem, A. Q. Baig, M. Javaid, Barnali Laha, Arindam Bhattacharyya, and others.

Introductory Graph Theory with Applications - Fred Buckley 2013-11-27

Graph theory's practical applications extend not only across multiple areas of mathematics and computer science but also throughout the social sciences, business, engineering, and other subjects. Buckley and Lewinter have written their text with students of all these disciplines in mind. Pedagogically rich, the authors provide hundreds of worked-out examples, figures, and exercises of varying degrees of difficulty. Concepts are presented in a readable and accessible manner, and applications are stressed throughout so the reader never loses sight of the powerful tools graph theory provides to solve real-world problems. Such diverse areas as job assignment, delivery truck routing, location of emergency or service facilities, network reliability, zoo design, exam scheduling, error-correcting codes, facility layout, and the critical path method are covered.

MATHEMATICAL COMBINATORICS (INTERNATIONAL BOOK SERIES), VOLUME 2, 2016 - L. Mao

The volume has 15 papers: Paper 1: Smarandache Curves Paper 2. Ruled Surface Pair Paper 3. Tutte Polynomial Paper 4. Entire Equitable Dominating Graph and Smarandachely dominating set. Paper 5. Radio Mean Number of Graphs Paper 6. Modified Schultz Index Paper 7. Folding of Cayley Graphs Paper 8. The Merrifield-Simmons Index Paper 9. Linear Codes Over Non-Chain Ring Paper 10. Nonsplit Geodetic Number and Smarandachely k- geodetic set, Paper 11. k-Difference cordial labeling and Smarandachely k-difference cordial labeling. Paper 12. Traversability and Covering Invariant Paper 13. Different Labelings. paper 14. Armed Cap Cordial Labeling and Smarandache \wedge cordial labeling Paper 15. Traffic Congestion

Structural Analysis of Complex Networks - Matthias Dehmer 2010-10-14

Filling a gap in literature, this self-contained book presents theoretical and application-oriented results that allow for a structural exploration of complex networks. The work focuses not only on classical graph-theoretic methods, but also demonstrates the usefulness of structural graph theory as a tool for solving interdisciplinary problems. Applications to biology, chemistry, linguistics, and data analysis are emphasized. The book is suitable for a broad, interdisciplinary readership of researchers, practitioners, and graduate students in discrete mathematics, statistics, computer science, machine learning, artificial intelligence, computational and systems biology, cognitive science, computational linguistics, and mathematical chemistry. It may also be used as a supplementary textbook in graduate-level seminars on structural graph analysis, complex networks, or network-based machine learning methods.

Analysis of Complex Networks - Matthias Dehmer 2009-07-10

Mathematical problems such as graph theory problems are of increasing importance for the analysis of modelling data in biomedical research such as in systems biology, neuronal network modelling etc. This book follows a new approach of including graph theory from a mathematical perspective with specific applications of graph theory in biomedical and computational sciences. The book is written by renowned experts in the field and offers valuable background information for a wide audience.

Advances in Electrical and Computer Technologies - Thangaprakash Sengodan 2021-02-26

This book comprises select proceedings of the International Conference on Advances in Electrical and Computer Technologies 2020 (ICAECT 2020). The papers presented in this book are peer-reviewed and cover latest research in electrical, electronics, communication and computer engineering. Topics covered include smart grids, soft computing techniques in power systems, smart energy management systems, power electronics, feedback control systems, biomedical engineering, geo informative systems, grid computing, data mining, image and signal processing, video processing, computer vision, pattern recognition, cloud computing, pervasive computing,

intelligent systems, artificial intelligence, neural network and fuzzy logic, broad band communication, mobile and optical communication, network security, VLSI, embedded systems, optical networks and wireless communication. The volume can be useful for students and researchers working in the different overlapping areas of electrical, electronics and communication engineering.

International Journal of Mathematical Combinatorics, Volume 1, 2015 - Linfan Mao

The International J. Mathematical Combinatorics is a fully refereed international journal, sponsored by the MADIS of Chinese Academy of Sciences and published in USA quarterly, which publishes original research papers and survey articles in all aspects of mathematical combinatorics, Smarandache multi-spaces, Smarandache geometries, non-Euclidean geometry, topology and their applications to other sciences.

Quantitative Graph Theory - Matthias Dehmer 2014-10-27

The first book devoted exclusively to quantitative graph theory, Quantitative Graph Theory: Mathematical Foundations and Applications presents and demonstrates existing and novel methods for analyzing graphs quantitatively. Incorporating interdisciplinary knowledge from graph theory, information theory, measurement theory, and statistical techniques, this book covers a wide range of quantitative-graph theoretical concepts and methods, including those pertaining to real and random graphs such as: Comparative approaches (graph similarity or distance) Graph measures to characterize graphs quantitatively Applications of graph measures in social network analysis and other disciplines Metrical properties of graphs and measures Mathematical properties of quantitative methods or measures in graph theory Network complexity measures and other topological indices Quantitative approaches to graphs using machine learning (e.g., clustering) Graph measures and statistics Information-theoretic methods to analyze graphs quantitatively (e.g., entropy) Through its broad coverage, Quantitative Graph Theory: Mathematical Foundations and Applications fills a gap in the contemporary literature of discrete and applied mathematics, computer science, systems biology, and related disciplines. It is intended for researchers as well as graduate and advanced undergraduate students in the fields of mathematics, computer science, mathematical chemistry, cheminformatics, physics, bioinformatics, and systems biology.

Scientia Magna, Vol. 9, No. 3, 2013 - Zhang Wenpeng

Papers on some characterization of Smarandache boolean near-ring with sub-direct sum structure, three classes of exact solutions to Klein-Gordon-Schrodinger equation, a short interval result for the extension of the exponential divisor function, a function in the space of univalent function of Bazilevic type, Smarandache bisymmetric geometric determinat sequences, and other topics. Contributors: Aldous Cesar F. Bueno, D. Vamshee Krishna, T. Ramreddy, Hai-Long Li, Qian-Li Yangand, S. Panayappan, Hongming Xia, N. Kannappa, P. Tamilvani, and others.

International Journal of Mathematical Combinatorics, Volume 2, 2008 - Linfan Mao

International J. Mathematical Combinatorics is a fully refereed international journal which publishes original research papers and survey articles in all aspects of mathematical combinatorics, Smarandache multi-spaces, Smarandache geometries, non-Euclidean geometry, topology and their applications to other sciences.

Geodesic Convexity in Graphs - Ignacio M. Pelayo 2013-09-06

Geodesic Convexity in Graphs is devoted to the study of the geodesic convexity on finite, simple, connected graphs. The first chapter includes the main definitions and results on graph theory, metric graph theory and graph path convexities. The following chapters focus exclusively on the geodesic convexity, including motivation and background, specific definitions, discussion and examples, results, proofs, exercises and open problems. The main and most studied parameters involving geodesic convexity in graphs are both the geodetic and the hull number which are defined as the cardinality of minimum geodetic and hull set, respectively. This text reviews various results, obtained during the last one and a half decade, relating these two invariants and some others such as convexity number, Steiner number, geodetic iteration number, Helly number, and Caratheodory number to a wide range a contexts, including products, boundary-type vertex

sets, and perfect graph families. This monograph can serve as a supplement to a half-semester graduate course in geodesic convexity but is primarily a guide for postgraduates and researchers interested in topics related to metric graph theory and graph convexity theory.

The Harary Index of a Graph - Kexiang Xu 2015-01-12

This is the first book to focus on the topological index, the Harary index, of a graph, including its mathematical properties, chemical applications and some related and attractive open problems. This book is dedicated to Professor Frank Harary (1921—2005), the grandmaster of graph theory and its applications. It has been written by experts in the field of graph theory and its applications. For a connected graph G , as an important distance-based topological index, the Harary index $H(G)$ is defined as the sum of the reciprocals of the distance between any two unordered vertices of the graph G . In this book, the authors report on the newest results on the Harary index of a graph.

These results mainly concern external graphs with respect to the Harary index; the relations to other topological indices; its properties and applications to pure graph theory and chemical graph theory; and two significant variants, i.e., additively and multiplicatively weighted Harary indices. In the last chapter, we present a number of open problems related to the Harary index. As such, the book will not only be of interest to graph researchers, but to mathematical chemists as well.

Combinatorics and Graph Theory - John Harris 2009-04-03

These notes were first used in an introductory course team taught by the authors at Appalachian State University to advanced undergraduates and beginning graduates. The text was written with four pedagogical goals in mind: offer a variety of topics in one course, get to the main themes and tools as efficiently as possible, show the relationships between the different topics, and include recent results to convince students that mathematics is a living discipline.

Graph-Theoretical Matrices in Chemistry - Dusanka Janezic 2015-04-22

Graph-Theoretical Matrices in Chemistry presents a systematic survey of graph-theoretical matrices and highlights their potential uses. This comprehensive volume is an updated, extended version of a former bestseller featuring a series of mathematical chemistry monographs. In this edition, nearly 200 graph-theoretical matrices are included. This second edition is organized like the previous one—after an introduction, graph-theoretical matrices are presented in five chapters: The Adjacency Matrix and Related Matrices, Incidence Matrices, The Distance Matrix and Related Matrices, Special Matrices, and Graphical Matrices. Each of these chapters is followed by a list of references. Among the matrices presented several are novel and some are known only to a few. The properties and potential usefulness of many of the presented graph-theoretical matrices in chemistry have yet to be investigated. Most of the graph-theoretical matrices presented have been used as sources of molecular descriptors usually referred to as topological indices. They are particularly concerned with a special class of graphs that represents chemical structures involving molecules. Due to its multidisciplinary scope, this book will appeal to a broad audience ranging from chemistry and mathematics to pharmacology.

Mathematical Combinatorics, Vol. 2/2008 - Linfan Mao

Papers on Characterization of Symmetric Primitive Matrices with Exponent n^2 , Characterizations

of Some Special Space-like Curves in Minkowski Space-time, Combinatorially Riemannian Submanifolds, On Smarandache Bryant Schneider Group of a Smarandache Loop, and other topics. Contributors: Linfan Mao, Bo Li, Jing Wang, Yuanqiu Huang, Mehdi Hassani, Melih Turgut, Suha Yilmaz, Suha Yilmaz, Suur Nizamoglu, A.P. Santhakumaran, P. Titus, and others.

Algorithms and Discrete Applied Mathematics - Manoj Changat 2020-01-25

This book constitutes the proceedings of the 6th International Conference on Algorithms and Discrete Applied Mathematics, CALDAM 2020, held in Hyderabad, India, in February 2020. The 38 papers presented together with 2 invited talks in this volume were carefully reviewed and selected from 102 submissions. The papers are organized in topical sections on graph algorithms, graph theory, combinatorial optimization, distributed algorithms, combinatorial algorithms, and computational complexity.

Handbook of Research on Advanced Applications of Graph Theory in Modern Society - Pal, Madhumangal 2019-08-30

In the world of mathematics and computer science, technological advancements are constantly being researched and applied to ongoing issues. Setbacks in social networking, engineering, and automation are themes that affect everyday life, and researchers have been looking for new techniques in which to solve these challenges. Graph theory is a widely studied topic that is now being applied to real-life problems. The Handbook of Research on Advanced Applications of Graph Theory in Modern Society is an essential reference source that discusses recent developments on graph theory, as well as its representation in social networks, artificial neural networks, and many complex networks. The book aims to study results that are useful in the fields of robotics and machine learning and will examine different engineering issues that are closely related to fuzzy graph theory. Featuring research on topics such as artificial neural systems and robotics, this book is ideally designed for mathematicians, research scholars, practitioners, professionals, engineers, and students seeking an innovative overview of graphic theory.

Nonsplit Geodetic Number of a Graph - Tejaswini K M.

We investigate the relationship between nonsplit geodetic number and geodetic number. We also obtain the nonsplit geodetic number in the cartesian product of graphs.

Mathematical Combinatorics, Vol. 4/2010 - Linfan Mao

Papers on Connectivity of Smarandachely Line Splitting Graphs, Equitable Coloring of Helm Graph and Gear Graph, Some Results on Pair Sum Labeling of Graphs, Entire Semitotal-Point Domination in Graphs, and other topics. Contributors: Akinola L.S., Agboola A.A.A., R. Ponraj, J. Vijaya Xavier Parthipan, R. Kala, Keerthi G. Mirajkar, Iramma M. Kadakol, A. Nagarajan, A. Nellai Murugan, S. Navaneetha Krishnan, and others.

International Journal of Mathematical Combinatorics, Volume 4, 2010 - Linfan Mao

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