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MEMORANDUM

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Mathematics Memo Paper 1 November 2013

Florentin Smarandache, Mumtaz Ali



Mathematics Memo Paper 1 November 2013:

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Neutrosophic Sets and Systems, Vol. III Florentin Smarandache, Mumtaz Ali, This volume is a collection of ten papers written by different authors and co authors listed in the order of the papers F Yuhua A A Salama F Smarandache S A Alblawi M Ali M Shabir M Naz A A A Agboola S A Akinleye M Dhar S Broumi P Biswas S Pramanik B C Giri H A El Ghareeb A M Maine V Kandasamy P Sekar and J Vidhyalakshmi In first paper the author proposed Expanding Newton Mechanics with Neutrosophy and Quad stage Method New Newton Mechanics Taking Law of Conservation of Energy as Unique Source Law The Characteristic Function of a Neutrosophic Set is proposed in the second paper Neutrosophic Left Almost Semigroup is studied in third paper In fourth paper Neutrosophic Hypercompositional Structures defined by Binary Relations are introduced Similarly in fifth paper A Note on Square Neutrosophic Fuzzy Matrices are discussed In paper six A New Methodology for Neutrosophic Multi Attribute Decision Making with Unknown Weight Information is presented by the authors Introduction to Develop Some Software Programs for dealing with Neutrosophic Sets is given in seventh paper Paper eight is about to Soft Neutrosophic Ring and Soft Neutrosophic Field In the next paper Rough Neutrosophic Sets are discussed The authors introduced new type of Fuzzy Relational Equations and Neutrosophic Relational Equations To Analyze Customer Preference to street shops in the last paper

Neutrosophic Sets and Systems, Vol. V Florentin Smarandache, Mumtaz Ali, This book is a collection of nine papers contributed by different authors and co authors listed in the order of the papers A A Salama O M Khaled K M Mahfouz M Ali F Smarandache M Shabir L Vladareanu S Broumi K Mondal S Pramanik I Arockiarani I R Sumathi M Eisa and I Deli In first paper the authors studied Neutrosophic Correlation and Simple Linear Regression The Generalization of Neutrosophic Rings and Neutrosophic Fields is proposed in the second paper Cosine Similarity Measure of Interval Valued Neutrosophic Sets is studied in third paper In fourth paper A Study on Problems of Hijras in West Bengal Based on Neutrosophic Cognitive Maps is introduced Similarly in fifth paper Neutrosophic Crisp Set Theory is discussed In paper six Interval Valued Fuzzy Neutrosophic Soft Structure Spaces are presented by the authors Soft Neutrosophic Bi LA Semigroup and Soft Neutrosophic N LA Semigroup is given in seventh paper Introduction to Image Processing via Neutrosophic Technique is given in paper

eight In the last paper Neutrosophic Soft Multi Set Theory and Its Decision Making is presented by the authors

Neutrosophic Sets and Systems, vol. 5/2014 A. A. Salama, O. M. Khaled, K. M. Mahfouz, S. Broumi, F. Smarandache, K. Mondal, S. Praminik, M. Eisa, M. Ali, 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 *Topics in Domination in Graphs* Teresa W. Haynes, Stephen T. Hedetniemi, Michael A. Henning, 2020-10-19 This volume comprises 16 contributions that present advanced topics in graph domination featuring open problems modern techniques and recent results The focus is on primary dominating sets such as paired domination connected domination restrained domination dominating functions Roman domination and power domination Additionally surveys include known results with a sample of proof techniques for each parameter Of extra benefit to the reader the first chapter includes a glossary of commonly used terms the second chapter provides an overview of models of domination from which the parameters are defined The book is intended to provide a reference for established researchers in the fields of domination and graph theory and graduate students who wish to gain knowledge of the topics covered as well as an overview of the major accomplishments in the field and proof techniques used *Formality of the Little N -disks Operad* Pascal Lambrechts, Ismar Volić, 2014-06-05 The little disks operad along with its variants is an important tool in homotopy theory It is defined in terms of configurations of disjoint dimensional disks inside the standard unit disk in and it was initially conceived for detecting and understanding fold loop spaces Its many uses now stretch across a variety of disciplines including topology algebra and mathematical physics In this paper the authors develop the details of Kontsevich's proof of the formality of little disks operad over the field of real numbers More precisely one can consider the singular chains on as well as the singular homology of These two objects are operads in the category of chain complexes The formality then states that there is a zig zag of quasi isomorphisms connecting these two operads The formality also in some sense holds in the category of commutative differential graded algebras The authors additionally prove a relative version of the formality for the inclusion of the little disks operad in the little disks operad when **Applying Dijkstra Algorithm for Solving Neutrosophic Shortest Path Problem** Said Broumi, Assia Bakali, Mohamed Talea, Florentin Smarandache, The selection of shortest path problem is one the classic problems in graph theory In literature many algorithms have been developed to provide a solution for shortest path problem in a network

Descent Construction for $GSpin$ Groups Joseph Hundley, Eitan Sayag, 2016-09-06 In this paper the authors provide an extension of the theory of descent of Ginzburg Rallis Soudry to the context of essentially self dual representations that is representations which are isomorphic to the twist of their own contragredient by some Hecke character The authors theory supplements the recent work of Asgari Shahidi on the functorial lift from split and quasisplit forms of $GSpin_{2n}$ to GL_{2n}

Reframing Economics Roger A McCain, 2014-03-28 The objectives of this book are twofold Firstly it proposes that

economics should be defined as a study of imperfect cooperation Secondly it elucidates the continuities that extend from classical political economy through the neoclassical Keynesia

Promoting Spontaneous Use of Learning and Reasoning Strategies Emmanuel Manalo,Yuri Uesaka,Clark A. Chinn,2017-10-03 In this book scholars from around the world develop viable answers to the question of how it may be possible to promote students spontaneity in the use of learning and reasoning strategies They combine their expertise to put forward new theories and models for understanding the underlying mechanisms provide details of new research to address pertinent questions and problems and describe classroom practices that have proven successful in promoting spontaneous strategy use This book is a must for educators and researchers who truly care that schooling should cultivate learning and reasoning strategies in students that would prepare and serve them for life A seminal resource this book will address the basic problem that many educators are well acquainted with that students can learn how to effectively use learning and reasoning strategies but not use them of their own volition or in settings other than the one in which they learned the strategies

Foundations of Homeland Security Martin J. Alperen,2017-02-21 The Complete Guide to Understanding the Structure of Homeland Security Law New topics featuring leading authors cover topics on Security Threats of Separatism Secession and Rightwing Extremism Aviation Industry s Crew Resource Management Principles and Ethics Legal and Social Issues in Homeland Security Legal and Social Issues in Homeland Security In addition the chapter devoted to the Trans Pacific Partnership is a description of economic statecraft what we really gain from the TPP and what we stand to lose The Power of Pop Culture in the Hands of ISIS describes how ISIS communicates and how pop culture is used expertly as a recruiting tool Text organized by subject with the portions of all the laws related to that particular subject in one chapter making it easier to reference a specific statute by topic Allows the reader to recognize that homeland security involves many specialties and to view homeland security expansively and in the long term Includes many references as a resource for professionals in various fields including military government first responders lawyers and students Includes an Instructor Manual providing teaching suggestions discussion questions true false questions and essay questions along with the answers to all of these

Metrics Vincanne Adams,2016-03-05 This volume s contributors evaluate the accomplishments limits and consequences of using quantitative metrics in global health Whether analyzing maternal mortality rates the relationships between political goals and metrics data or the links between health outcomes and a program s fiscal support the contributors question the ability of metrics to solve global health problems They capture a moment when global health scholars and practitioners must evaluate the potential effectiveness and pitfalls of different metrics even as they remain elusive and problematic Contributors Vincanne Adams Susan Erikson Molly Hales Pierre Minn Adeola Oni Orisan Carolyn Smith Morris Marlee Tichenor Lily Walkover Claire L Wendland

Lagerungen László Fejes Tóth,Gábor Fejes Tóth,Włodzimierz Kuperberg,2023-03-27 The publication of the first edition of *Lagerungen in der Ebene auf der Kugel und im Raum* in 1953 marked the birth of discrete geometry Since then the book has

had a profound and lasting influence on the development of the field It included many open problems and conjectures often accompanied by suggestions for their resolution A good number of new results were surveyed by L szl Fejes T th in his Notes to the 2nd edition The present version of Lagerungen makes this classic monograph available in English for the first time with updated Notes completed by extensive surveys of the state of the art More precisely this book consists of a corrected English translation of the original Lagerungen the revised and updated Notes on the original text eight self contained chapters surveying additional topics in detail The English edition provides a comprehensive update to an enduring classic Combining the lucid exposition of the original text with extensive new material it will be a valuable resource for researchers in discrete geometry for decades to come *Federal Register* ,2013-06

After the Education Wars Andrea Gabor,2018-06-12 The education wars have been demoralizing for teachers After the Education Wars helps us to see a better way forward Cathy N Davidson The New York Times Book Review After the Education Wars is an important book that points the way to genuine reform Diane Ravitch author of Reign of Error and The Death and Life of the Great American School System A bestselling business journalist critiques the top down approach of popular education reforms and profiles the unexpected success of schools embracing a nimbler more democratic entrepreneurialism In an entirely fresh take on school reform business journalist and bestselling author Andrea Gabor argues that Bill Gates Eli Broad and other leaders of the prevailing education reform movement have borrowed all the wrong lessons from the business world After the Education Wars explains how the market based measures and carrot and stick incentives informing today s reforms are out of sync with the nurturing culture that good schools foster and contrary to popular belief at odds with the best practices of thriving twenty first century companies as well These rich detailed stories of real reform in action illustrate how enduring change must be deeply collaborative and relentlessly focused on improvement from the grass roots up lessons also learned from both the open source software and quality movements The good news is that solutions born of this philosophy are all around us from Brockton Massachusetts where the state s once failing largest high school now sends most graduates to college to Leander Texas a large district where school improvement spurred by the ideas of quality guru W Edwards Deming has become a way of life A welcome exception to the doom and gloom canon of education reform After the Education Wars makes clear that what s needed is not more grand ideas but practical and informed ways to grow the best ones that are already transforming schools

Jefferson's Muslim Fugitives Jeffrey Einboden,2020-04-01 On October 3 1807 Thomas Jefferson was contacted by an unknown traveler urgently pleading for a private interview with the President promising to disclose a matter of momentous importance By the next day Jefferson held in his hands two astonishing manuscripts whose history has been lost for over two centuries Authored by Muslims fleeing captivity in rural Kentucky these documents delivered to the President in 1807 were penned by literate African slaves and written entirely in Arabic Jefferson s Muslim Fugitives reveals the untold story of two escaped West Africans in the American heartland whose Arabic writings reached a sitting U S

President prompting him to intervene on their behalf Recounting a quest for emancipation that crosses borders of race region and religion Jeffrey Einboden unearths Arabic manuscripts that circulated among Jefferson and his prominent peers including a document from 1780s Georgia which Einboden identifies as the earliest surviving example of Muslim slave authorship in the newly formed United States Revealing Jefferson's lifelong entanglements with slavery and Islam Jefferson's Muslim Fugitives tracks the ascent of Arabic slave writings to the highest halls of U S power while questioning why such vital legacies from the American past have been entirely forgotten

International Practices to Promote Budget Literacy

Harika Masud, Helene Pfeil, Sanjay Agarwal, Alfredo Gonzalez Briseno, 2017-08-09 Budget literacy is defined as the ability to read decipher and understand public budgets to enable and enhance meaningful citizen participation in the budget process It is comprised of two main parts i a technical understanding of public budgets including familiarity with government spending tax rates and public debt and ii the ability to engage in the budget process comprising of practical knowledge on day to day issues as well as an elementary understanding of the economic social and political implications of budget policies the stakeholders involved and when and how to provide inputs during the annual budget cycle Given that no international standards or guidelines have been established for budget literacy education to date this book seeks to address this gap by taking stock of illustrative initiatives promoting budget literacy for youth in selected countries The underlying presumption is that when supply side actors in the budget process governments simplify and disseminate budget information for demand side actors citizens this information will then be used by citizens to provide feedback on the budget However since citizens are often insufficiently informed about public budgets to constructively participate in budget processes one way to empower them and to remedy the problem of budget illiteracy is to provide budget literacy education in schools to youth helping them evolve into civic minded adults with the essential knowledge needed for analyzing their government's fiscal policy objectives and measures and the confidence and sense of social responsibility to participate in the oversight of public resources This book elaborates on approaches learning outcomes pedagogical strategies and assessment approaches for budget literacy education and presents lessons that are relevant for the development improvement or scaling up of budget literacy initiatives

Handbook of Global Education Policy Karen Mundy, Andy Green, Bob Lingard, Antoni Verger, 2016-02-29 This innovative new handbook offers a comprehensive overview of the ways in which domestic education policy is framed and influenced by global institutions and actors Surveys current debates about the role of education in a global polity highlights key transnational policy actors accessibly introduces research methodologies and outlines global agendas for education reform Includes contributions from an international cast of established and emerging scholars at the forefront of the field thoughtfully edited and organized by a team of world renowned global education policy experts Each section features a thorough introduction designed to facilitate readers understanding of the subsequent material and highlight links to interdisciplinary global policy scholarship Written in an accessible and engaging style that will appeal to domestic and

international policy practitioners social scientists and education scholars alike *Irreducible Geometric Subgroups of Classical Algebraic Groups* Timothy C. Burness,,Soumaïa Ghandour,Donna M. Testerman,2016-01-25 Let G be a simple classical algebraic group over an algebraically closed field of characteristic p with natural module V . Let H be a closed subgroup of G and let W be a non trivial irreducible tensor indecomposable restricted rational module such that the restriction of W to H is irreducible. In this paper the authors classify the triples (G, H, W) of this form where H is a disconnected maximal positive dimensional closed subgroup of G preserving a natural geometric structure on V .

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