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CRC Concise Encyclopedia of Mathematics Jun 27 2020 Upon publication, the first edition of the CRC Concise Encyclopedia of Mathematics received overwhelming accolades for its unparalleled scope, readability, and utility. It soon took its place among the top selling books in the history of Chapman & Hall/CRC, and its popularity continues unabated. Yet also unabated has been the d

International Journal of Mathematical Combinatorics, Volume 1, 2015 Mar 05 2021 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.

Smarandache Notions, Vol. 10 Jul 09 2021

Smarandache Notions, Vol. 14 Aug 22 2022 Papers concerning any of the Smarandache type functions, sequences, numbers, algorithms, inferior/superior f-parts, magic squares, palindromes, functional iterations, semantic paradoxes, Non-Euclidean geometries, manifolds, conjectures, open problems, algebraic structures, neutrosophy, neutrosophic logic/set/probability, hypothesis that there is no speed barrier in the universe, quantum paradoxes, etc. have been selected for this volume. Contributors are from Australia, China, England, Germany, India, Ireland, Israel, Italy, Japan, Malaysia, Morocco, Portugal, Romania, Spain, USA. Most of the papers are in English, a few of them are in Spanish, Portuguese, or German.

Proceedings of the Fifth International Conference on Number Theory and Smarandache Notions (Shangluo University, China, 2009) Sep 18 2019

Mathematical Combinatorics, Vol. 1/2007 Oct 20 2019 Papers on combinatorial speculation and combinatorial conjecture for mathematics, structures of cycle bases with some extremal properties, pseudo-manifold geometries with applications, long dominating cycles in graphs, crossing number of two cartesian products, and similar topics. Contributors: Linfan Mao, Lei Wang, Yongga A., Dengju Ma, Han Ren, Xiang Ren, Weili He, Lin Zhao, Yun Bai, and others.

International Journal of Mathematical Combinatorics, Volume 3, 2008 Jan 23 2020 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.

SMARANDACHE NUMBERS REVISITED May 07 2021 More than seven years ago, my first book on some of the Smarandache notions was published. The book consisted of five chapters, and the topics covered were as follows : (1) some recursive type Smarandache sequences, (2) Smarandache determinant sequences, (3) the Smarandache function, (4) the pseudo Smarandache function, and (5) the Smarandache function related and the pseudo Smarandache function related triangles. Since then, new and diversified results have been published by different researchers. The aim of this book to update some of the contents of my previous book, and add some new results.

Smarandache Notions Journal, Vol. 13 Sep 30 2020

Mathematical Combinatorics, Vol. 2/2008 Nov 20 2019 Papers on Characterization of Symmetric Primitive Matrices with Exponent n2, 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.

Proceedings of the First International Conference on Smarandache Type Notions in Number Theory, University of Craiova, 21-24 August 1997 (second edition) Jul 29 2020

Smarandache Function Journal, vol. 14/2004 Aug 10 2021 A collection of papers concerning Smarandache type functions, numbers, sequences, inteqer algorithms, paradoxes, experimental geometries, algebraic structures, neutrosophic probability, set, and logic, etc.

Smarandache Geometries & Map Theories with Applications (I) [English and Chinese] Jan 03 2021 800x600 Normal 0 false false false EN-US X-NONE X-NONE MicrosoftInternetExplorer4 /* Style Definitions */ table.MsoNormalTable {mso-style-name:"Table Normal"; mso-tstyle-rowband-size:0; mso-tstyle-colband-size:0; mso-style-noshow:yes; mso-style-priority:99; mso-style-parent:""; mso-padding-alt:0in 5.4pt 0in 5.4pt; mso-para-margin:0in; mso-para-margin-bottom:.0001pt; mso-pagination:widow-orphan; font-size:10.0pt; font-family:"Times New Roman","serif";} Smarandache Geometries as generalizations of Finsler, Riemannian, Weyl, and Kahler Geometries. A Smarandache geometry (SG) is a geometry which has at least one smarandachely denied axiom (1969). An axiom is said smarandachely denied (S-denied) if in the same space the axiom behaves differently (i.e., validated and invalided; or only invalidated but in at least two distinct ways). Thus, as a particular case, Euclidean, Lobachevsky-Bolyai-Gauss, and Riemannian geometries may be united altogether, in the same space, by some SGs. These last geometries can be partially Euclidean and partially non-Euclidean. The novelty of the SG is the fact that they introduce for the first time the degree of negation in geometry, similarly to the degree of falsehood in fuzzy or neutrosophic logic. For example an axiom can be denied in percentage of 30 Also SG are defined on multispaces, i.e. unions of

Euclidean and non-Euclidean subspaces, or unions of distinct non-Euclidean spaces. As an example of S-denying, a proposition , which is the conjunction of a set i of propositions, can be invalidated in many ways if it is minimally unsatisfiable, that is, such that the conjunction of any proper subset of the i is satisfied in a structure, but itself is not. Here it is an example of what it means for an axiom to be invalidated in multiple ways [2] : As a particular axiom let's take Euclid's Fifth Postulate. In Euclidean or parabolic geometry a line has one parallel only through a given point. In Lobacevskian or hyperbolic geometry a line has at least two parallels through a given point. In Riemannian or elliptic geometry a line has no parallel through a given point. Whereas in Smarandache geometries there are lines which have no parallels through a given point and other lines which have one or more parallels through a given point (the fifth postulate is invalidated in many ways). Therefore, the Euclid's Fifth Postulate (which asserts that there is only one parallel passing through an exterior point to a given line) can be invalidated in many ways, i.e. Smarandachely denied, as follows: - first invalidation: there is no parallel passing through an exterior point to a given line; - second invalidation: there is a finite number of parallels passing through an exterior point to a given line; - third invalidation: there are infinitely many parallels passing through an exterior point to a given line.

Proceedings of the Sixth International Conference on Number Theory and Smarandache Notions Jan 15 2022 This Book is devoted to the proceedings of the Sixth International Conferenceon Number Theory and Smarandache Notions held in Tianshui during April 24-25,2010. The organizers were Prof. Zhang Wenpeng and Prof. Wangsheng He from Tianshui Normal University. The conference was supported by Tianshui Normal University and there were more than 100 participants.

Smarandache Notions, Vol. 9 Apr 18 2022

Smarandache Function Journal, vol. 10/1999 Mar 25 2020 A collection of papers concerning Smarandache type functions, numbers, sequences, inteqer algorithms, paradoxes, experimental geometries, algebraic structures, neutrosophic probability, set, and logic, etc.

International Journal of Mathematical Combinatorics, Volume 1, 2007 Aug 18 2019 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.

Smarandache Notions Journal Jun 08 2021

Proceedings of the Sixth International Conference on Number Theory and Smarandache Notions Sep 23 2022 This Book is devoted to the proceedings of the Sixth International Conferenceon Number Theory and Smarandache Notions held in Tianshui during April 24-25,2010. The organizers were Prof. Zhang Wenpeng and Prof. Wangsheng He from Tianshui Normal University. The conference was supported by Tianshui Normal University and there were more than 100 participants.

Mathematical Combinatorics, Vol. 3/2010 Dec 22 2019 The Mathematical Combinatorics (International Book Series)(ISBN 978-1-59973-146-9) is a fully refereed international book series, sponsored by the MADISof Chinese Academy of Sciences and published in USA quarterly comprising 100-150 pagesapprox. per volume, which publishes original research papers and survey articles in all aspectsof Smarandache multi-spaces, Smarandache geometries, mathematical combinatorics,non-euclidean geometry and topology and their applications to other sciences. Topics in detailto be covered are:Smarandache multi-spaces with applications to other sciences, such as those of algebraicmulti-systems, multi-metric spaces,· · · , etc.. Smarandache geometries;Differential Geometry; Geometry on manifolds;Topological graphs; Algebraic graphs; Random graphs; Combinatorial maps; Graph andmap 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 Combinatoricsto mathematics and theoretical physics;Mathematical theory on gravitational fields; Mathematical theory on parallel universes;Other applications of Smarandache multi-space and combinatorics.Generally, papers on mathematics with its applications not including in above topics arealso welcome.

Unfolding the Labyrinth: Open Problems in Physics, Mathematics, Astrophysics, and other areas of science Apr 06 2021 Throughout this book, we discuss some open problems in various branches of science, including mathematics, theoretical physics, astrophysics, geophysics etc. It is of our hope that some of the problems discussed in this book will find their place either in theoretical exploration or further experiments, while some parts of these problems may be found useful for scholarly stimulation.The present book is also intended for young physics and mathematics fellows who will perhaps find the unsolved problems described here are at least worth pondering. If this book provides only a few highlights of plausible solutions, it is merely to keep the fun of readers in discovering the answers by themselves. Bon voyage!

Smarandache Semigroups Nov 01 2020 Generally, in any human field, a Smarandache Structure on a set A means a weak structure W on A such that there exists a proper subset B in A which is embedded with a stronger structure S.These types of structures occur in our everyday life, that?s why we study them in this book.Thus, as a particular case:A Smarandache Semigroup is a semigroup A which has a proper subset B in A that is a group (with respect to the same binary operation on A).

Paradoxism and Postmodernism (criticism) Feb 04 2021 For a better understanding of the aims of this essay it is necessary to recall, at least fugitively, the partial (in)adequacy of the notion and the term of postmodernism, what, in spite of the fact that it is recognized for quite a long time in the literature of specialty, still arouses controversies.

Some Results on the Sandor-Smarandache Function Feb 22 2020 Sandor introduced a new Smarandache-type function, denoted by SS(n), and is called the Sandor-Smarandache function. When n is an odd (positive) integer, then SS(n) has a very simple form, as has been derived by Sandor himself. However, when n is even, then the form of SS(n) is not simple, and remains an open problem. This paper finds SS(n) for some special cases of n. Particular attention is given to values of the general forms

SS(2mp), SS(6mp), SS(60mp) and SS(420mp), where m is any (positive) integer and p is an odd prime. Some particular cases have been treated in detail. In Section 4, some remarks are observed.

Graduate Textbook of Mathematics: Smarandache Multi-Space Theory (second edition) Apr 25 2020 A Smarandache multi-space is a union of n different spaces equippedwith different structures for an integer n 2, which can be used for systems both innature or human beings. This textbook introduces Smarandache multi-spaces such asthose of algebraic multi-spaces, including graph multi-spaces, multi-groups, multi-rings,multi-fields, vector multi-spaces, geometrical multi-spaces, particularly map geometrywith or without boundary, pseudo-Euclidean geometry on Rn, combinatorial Euclideanspaces, combinatorial manifolds, topological groups and topological multi-groups, combinatorialmetric spaces, ¿ ¿ ¿, etc. and applications of Smarandache multi-spaces, particularlyto physics, economy and epidemiology. In fact, Smarandache multi-spacesunderlying graphs are an important systematically notion for scientific research in 21stcentury. This book can be applicable for graduate students in combinatorics, topologicalgraphs, Smarandache geometry, physics and macro-economy as a textbook.

Smarandache Notions May 19 2022

The Math Encyclopedia of Smarandache type Notions Oct 24 2022 About the works of Florentin Smarandache have been written a lot of books (he himself wrote dozens of books and articles regarding math, physics, literature, philosophy). Being a globally recognized personality in both mathematics (there are countless functions and concepts that bear his name) and literature, it is natural that the volume of writings about his research is huge. What we try to do with this encyclopedia is to gather together as much as we can both from Smarandache's mathematical work and the works of many mathematicians around the world inspired by the Smarandache notions. We structured this book using numbered Definitions, Theorems, Conjectures, Notes and Comments, in order to facilitate an easier reading but also to facilitate references to a specific paragraph. We divided the Bibliography in two parts, Writings by Florentin Smarandache (indexed by the name of books and articles) and Writings on Smarandache notions (indexed by the name of authors). We treated, in this book, about 130 Smarandache type sequences, about 50 Smarandache type functions and many solved or open problems of number theory. We also have, at the end of this book, a proposal for a new Smarandache type notion, id est the concept of "a set of Smarandache-Coman divisors of order k of a composite positive integer n with m prime factors", notion that seems to have promising applications, at a first glance at least in the study of absolute and relative Fermat pseudoprimes, Carmichael numbers and Poulet numbers. This encyclopedia is both for researchers that will have on hand a tool that will help them "navigate" in the universe of Smarandache type notions and for young math enthusiasts: many of them will be attached by this wonderful branch of mathematics, number theory, reading the works of Florentin Smarandache.

Graduate Textbook of Mathematics: Smarandache Multi-Space Theory (second edition) Sep 11 2021 A Smarandache multi-space is a union of n different spaces equippedwith different structures for an integer n 2, which can be used for systems both innature or human beings. This textbook introduces Smarandache multi-spaces such asthose of algebraic multi-spaces, including graph multi-spaces, multi-groups, multi-rings,multi-fields, vector multi-spaces, geometrical multi-spaces, particularly map geometrywith or without boundary, pseudo-Euclidean geometry on Rn, combinatorial Euclideanspaces, combinatorial manifolds, topological groups and topological multi-groups, combinatorialmetric spaces, ¿ ¿ ¿, etc. and applications of Smarandache multi-spaces, particularlyto physics, economy and epidemiology. In fact, Smarandache multi-spacesunderlying graphs are an important systematically notion for scientific research in 21stcentury. This book can be applicable for graduate students in combinatorics, topologicalgraphs, Smarandache geometry, physics and macro-economy as a textbook.

SCIENTIFIC ELEMENTS (International Book Series), Vol. I, Applications of Smarandache's Notions to Mathematics, Physics, and Other Sciences Feb 16 2022 The Scientific Elements is an international book series, maybe with different subtitles. This series is devoted to the applications of Smarandache?s notions and to mathematical combinatorics. These are two heartening mathematical theories for sciences and can be applied to many fields. This book selects 12 papers for showing applications of Smarandache's notions, such as those of Smarandache multi-spaces, Smarandache geometries, Neutrosophy, etc. to classical mathematics, theoretical and experimental physics, logic, cosmology. Looking at these elementary applications, we can experience their great potential for developing sciences. 12 authors contributed to this volume: Linfan Mao, Yuhua Fu, Shenglin Cao, Jingsong Feng, Changwei Hu, Zhengda Luo, Hao Ji, Xinwei Huang, Yiying Guan, Tianyu Guan, Shuan Chen, and Yan Zhang.

Smarandache Notions Dec 02 2020

Smarandache Notions, Vol. 11 Jun 20 2022

Generalized Partitions and New Ideas on Number Theory and Smarandache Sequences Oct 12 2021 Florentin Smarandache is an incredible source of ideas, only some of which are mathematical in nature. Amarnath Murthy has published a large number of papers in the broad area of Smarandache Notions, which are math problems whose origin can be traced to Smarandache. This book is an edited version of many of those papers, most of which appeared in Smarandache Notions Journal, and more information about SNJ is available at http://www.gallup.unm.edu/~smarandache/ . The topics covered are very broad, although there are two main themes under which most of the material can be classified. A Smarandache Partition Function is an operation where a set or number is split into pieces and together they make up the original object. For example, a Smarandache Repeatable Reciprocal partition of unity is a set of natural numbers where the sum of the reciprocals is one. The first chapter of the book deals with various types of partitions and their properties and partitions also appear in some of the later sections.The second main theme is a set of sequences defined using various properties. For example, the Smarandache n2n sequence is formed by concatenating a natural number and its double in that order. Once a sequence is defined, then some properties of the sequence are examined. A common exploration is to ask how many primes are in the sequence or a slight modification of the sequence. The final chapter is a collection of problems that did not seem to be a precise fit in either of the previous two categories. For example, for any number d, is it possible to find a perfect square that has digit sum d? While many results are

proven, a large number of problems are left open, leaving a great deal of room for further exploration.
Smarandache Function, Vol. 2-3 Jul 21 2022 Made available online by the Smarandache Notion Journal and the University of New Mexico - Gallup.
Smarandache Notions, Vol. 10 Dec 14 2021
Smarandache Notions, Vol. 12 (Proceedings of the Second International Conference on Smarandache Type Notions in Mathematics and Quantum Physics) Nov 25 2022
Smarandache Function, Vol. 4-5 Mar 17 2022 The Smarandache function, say S, is a numerical function defined such that for every positive integer n, its image S(n) is the smallest positive integer whole factorial is divisible by n.
SCIENTIFIC ELEMENTS (International Book Series), Vol. I, Applications of Smarandache's Notions to Mathematics, Physics, and Other Sciences Dec 26 2022 The Scientific Elements is an international book series, maybe with different subtitles. This series is devoted to the applications of Smarandache?s notions and to mathematical combinatorics. These are two heartening mathematical theories for sciences and can be applied to many fields. This book selects 12 papers for showing applications of Smarandache's notions, such as those of Smarandache multi-spaces, Smarandache geometries, Neutrosophy, etc. to classical mathematics, theoretical and experimental physics, logic, cosmology. Looking at these elementary applications, we can experience their great potential for developing sciences. 12 authors contributed to this volume: Linfan Mao, Yuhua Fu, Shenglin Cao, Jingsong Feng, Changwei Hu, Zhengda Luo, Hao Ji, Xinwei Huang, Yiying Guan, Tianyu Guan, Shuan Chen, and Yan Zhang.
NOTES ON NUMBER THEORY AND DISCRETE MATHEMATICS, VOLUME 9, NUMBER 2, 2003 Aug 30 2020 Articles, notes and problems on Smarandache Function, Pseudo-Smarandache function, Smarandache-simple functions, Inferior Smarandache Prime Part, Smarandache double factorial function, Generalized Smarandache Palindrome, Smarandache problems, Smarandache circular sequence etc.
Program of the First International Conference on Smarandache Type Notions in Number Theory (University of Craiova, 1997) Nov 13 2021
Mathematical Combinatorics, Vol. 3/2008 May 27 2020 Papers on Extending Homomorphism Theorem to Multi-Systems, A Double Cryptography Using the Smarandache Keedwell Cross Inverse Quasigroup, the Time-like Curves of Constant Breadth in Minkowski 3-Space, Actions of Multi-groups on Finite Sets, and other topics. Contributors: Linfan Mao, Zhongfu Zhang, Enqiang Zhu, Baogen Xu, S. Arumugam, I. Sahul Hamid, A.P. Santhakumaran, S.V. Ullas Chandran, M.M.M. Jaradat, M.F. Janem, A.J. Alawneh, and others.