

W. B. Vasantha Kandasamy

Smarandache Semigroups



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Smarandache Semigroups

Yijin Wang



Smarandache Semigroups:

Smarandache Semigroups W. B. Vasantha Kandasamy, 2002-12-01 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

On Smarandache Semigroups Boris Tanana, In this article we present some basis definitions about semigroups and Smarandache semigroups And the end we give the characterization of Smarandache semigroups and Smarandache semigroups where any Smarandache subset is a subsemigroup of Smarandache semigroups and Smarandache semigroups where any Smarandache subset is a subsemigroup

A View on Intuitionistic Smarandache Topological Semigroup Structure Spaces C. Bavithra, M.K. Uma, The purpose of this paper is to introduce the concepts of intuitionistic Smarandache topological semigroups intuitionistic Smarandache topological semigroup structure spaces intuitionistic SG exteriors and intuitionistic SG semi exteriors Characterizations and properties of intuitionistic SG exterior space is established

Smarandache Fuzzy Algebra W. B. Vasantha Kandasamy, 2003 *Smarandache Notions*, 2002

Generalized Fibonacci sequences in groupoids Hee Sik Kim, J. Neggers, Keum Sook So, In this paper we introduce the notion of generalized Fibonacci sequences over a groupoid and discuss it in particular for the case where the groupoid contains idempotents and pre idempotents Using the notion of Smarandache type P algebra we obtain several relations on groupoids which are derived from generalized Fibonacci sequences

Scientia Magna, Vol. 6, No. 2, 2010 Zhang Wenpeng, Papers on Smarandache's Orthic Theorem Smarandache's Concurrent Lines Theorem character graph in Brauer graph's model robust stability of switched linear systems with time varying delay majority neighborhood number of a graph divisibility tests for Smarandache semigroups Hopf bifurcation in a predator prey model with distributed delays and similar topics Contributors R S Maragatham S Asawasamarit U Leerawat S Balasubramanian D Senthilkumar M Khoshnevisan D Senthilkumar Sherinjoy S M and others

Scientia Magna, Vol. 5, No. 4, 2009 Zhang Wenpeng, Papers on Pseudo Smarandache function and Smarandache LCM function the minimum number of polychromatic C hyperedges of the complete uniform mixed hypergraphs under one special condition complete monotonicity properties for the gamma function and Barnes G function semigroup of continuous functions and Smarandache semigroups and other similar topics Contributors T Srinivas A K S C S Rao X Liang W He J Soontharanon U Leerawat J Wang C Zheng F A Z Shirazi A Hosseini and many others

Neutrosophic \square -interior ideals in semigroups K. Porselvi, B. Elavarasan, F. Smarandache, 2020-10-01 We define the concepts of neutrosophic interior ideal and neutrosophic characteristic interior ideal structures of a semigroup We infer different types of semigroups using neutrosophic interior ideal structures We also show that the intersection of neutrosophic interior ideals and the union of neutrosophic interior ideals is also a neutrosophic interior ideal

Scientia Magna, Vol. 5,

No. 2, 2009 Zhang Wenpeng, 2009 A collection of articles on smarandache notions in number theory *On the structure of general algebras and its applications* Young Joo Seo, In this thesis we discuss some structural theory of a d algebra which is a generalization of a BCK algebra and we discuss analytic real algebras We investigate several conditions for analytic real algebras to be d algebras Moreover we introduce the notion of a Smarandacheness to BCI algebras and obtain several properties on Smarandache fuzzy BCI algebras **Smarandache Special Elements in Multiset Semigroups** W. B. Vasantha Kandasamy, Ilanthenral K, Authors in this book study the notion of Smarandache element in multiset semigroups It is important to keep on record that we define four operations on multisets viz X union and intersection in a free way Thus all sets finite or infinite order contribute to infinite order multisets and the semigroup under any of these operations is of infinite order *Scientia Magna*, Vol. 3, No. 3, 2007 Zhang Wenpeng, Papers on some faces of Smarandache semigroups concept in transformation semigroups approach the hybrid power mean of the character sums and the general Kloosterman sums an equation involving the square sum of natural numbers and Smarandache primitive function Some Dirichlet series involving special sequences and other similar topics Contributors F Ayatollah G Feng N Quang P Tuan A A K Majumdar Y Wang B E Carvajal Gamez C Aguilar Chavez L Cheng and many others **Neutrosophic N-structures and their applications in semigroups** Madad Khan, Saima Anis, Florentin Smarandache, Young Bae Jun, The notion of neutrosophic N structure is introduced and applied it to semigroup The notions of neutrosophic N subsemigroup neutrosophic N product and neutrosophic N subsemigroup are introduced and several properties are investigated **Scientiae Mathematicae Japonicae**, 2007 *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 **Mathematical Combinatorics**, Vol. IV, 2014 Linfan Mao, Papers on Smarandache Lattice and Pseudo Complement Smarandache s Conjecture on Consecutive Primes Signed Domotic 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 **Collected Papers. Volume XIII** Florentin Smarandache, 2022-09-15 This thirteenth volume of Collected Papers is an eclectic tome of 88 papers in various fields of sciences such as astronomy biology calculus economics education and administration game theory geometry graph theory information fusion decision making instantaneous physics quantum physics neutrosophic logic and set non Euclidean geometry number theory paradoxes philosophy of science scientific research methods statistics and others structured in 17 chapters Neutrosophic Theory and Applications Neutrosophic Algebra Fuzzy Soft Sets Neutrosophic Sets Hypersoft Sets

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 Umit Cali Youcef Chibani Victor Christianto Chunxin Bo Shyamal Dalapati Mario Dalc n Arup Kumar Das Elham Davneshvar
 Bijan Davvaz Irfan Deli Muhammet Deveci Mamouni Dhar R Dhavaseelan Balasubramanian Elavarasan Sara Farooq Haipeng
 Wang Ugur Halden Le Hoang Son Hongnian Yu Qays Hatem Imran Mayas Ismail Saeid Jafari Jun Ye Ilanthenral Kandasamy
 W B Vasantha Kandasamy Darjan Karaba evi Abdullah Karg n Vasilios N Katsikis Nour Eldeen M Khalifa Madad Khan M
 Khoshnevisan Tapan Kumar Roy Pinaki Majumdar Sreepurna Malakar Masoud Ghods Minghao Hu Mingming Chen Mohamed
 Abdel Basset Mohamed Talea Mohammad Hamidi Mohamed Loey Mihnea Alexandru Moisescu Muhammad Ihsan Muhammad
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 Anis Muzafer Sara evi Ganeshsree Selvachandran Selvaraj Ganesan Shammya Shananda Saha Marayanagaraj
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 Deng You He Young Bae Jun Wangtao Yuan Rong Xia Xiaohong Zhang Edmundas Kazimieras Zavadskas Zayen Azzouz Omar
 Xiaohong Zhang Zhirou Ma Neutrosophic N-ideals in Ternary Semigroups Warud Nakkhasen, The objective of this paper
 is to extend the concept of neutrosophic N ideals in semigroups to ternary semigroups and investigate some of its properties
 Moreover consider characterizations of neutrosophic N left resp N lateral N right ideals by using the notion of neutrosophic
 N products Furthermore we show that the homomorphic preimage and the onto homomorphic image of neutrosophic N left
 resp N lateral N right ideals are also neutrosophic N left resp N lateral N right ideals in ternary semigroups

Mathematical Combinatorics, Vol. 1/2008 Linfan Mao, Papers on flexibility of Embeddings of a Halin Graph on the
 Projective Plane curvature Equations on Combinatorial Manifolds with Applications to Theoretical Physics a Pair of
 Smarandachely Isotopic Quasigroups and Loops of the Same Variety and similar topics Contributors Arun S Muktibodh Han
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Table of Contents Smarandache Semigroups

1. Understanding the eBook Smarandache Semigroups
 - The Rise of Digital Reading Smarandache Semigroups
 - Advantages of eBooks Over Traditional Books
2. Identifying Smarandache Semigroups
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Smarandache Semigroups
 - User-Friendly Interface
4. Exploring eBook Recommendations from Smarandache Semigroups
 - Personalized Recommendations
 - Smarandache Semigroups User Reviews and Ratings
 - Smarandache Semigroups and Bestseller Lists
5. Accessing Smarandache Semigroups Free and Paid eBooks

- Smarandache Semigroups Public Domain eBooks
- Smarandache Semigroups eBook Subscription Services
- Smarandache Semigroups Budget-Friendly Options
- 6. Navigating Smarandache Semigroups eBook Formats
 - ePub, PDF, MOBI, and More
 - Smarandache Semigroups Compatibility with Devices
 - Smarandache Semigroups Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Smarandache Semigroups
 - Highlighting and Note-Taking Smarandache Semigroups
 - Interactive Elements Smarandache Semigroups
- 8. Staying Engaged with Smarandache Semigroups
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Smarandache Semigroups
- 9. Balancing eBooks and Physical Books Smarandache Semigroups
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Smarandache Semigroups
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Smarandache Semigroups
 - Setting Reading Goals Smarandache Semigroups
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Smarandache Semigroups
 - Fact-Checking eBook Content of Smarandache Semigroups
 - Distinguishing Credible Sources
- 13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development

- Exploring Educational eBooks

14. Embracing eBook Trends

- Integration of Multimedia Elements
- Interactive and Gamified eBooks

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