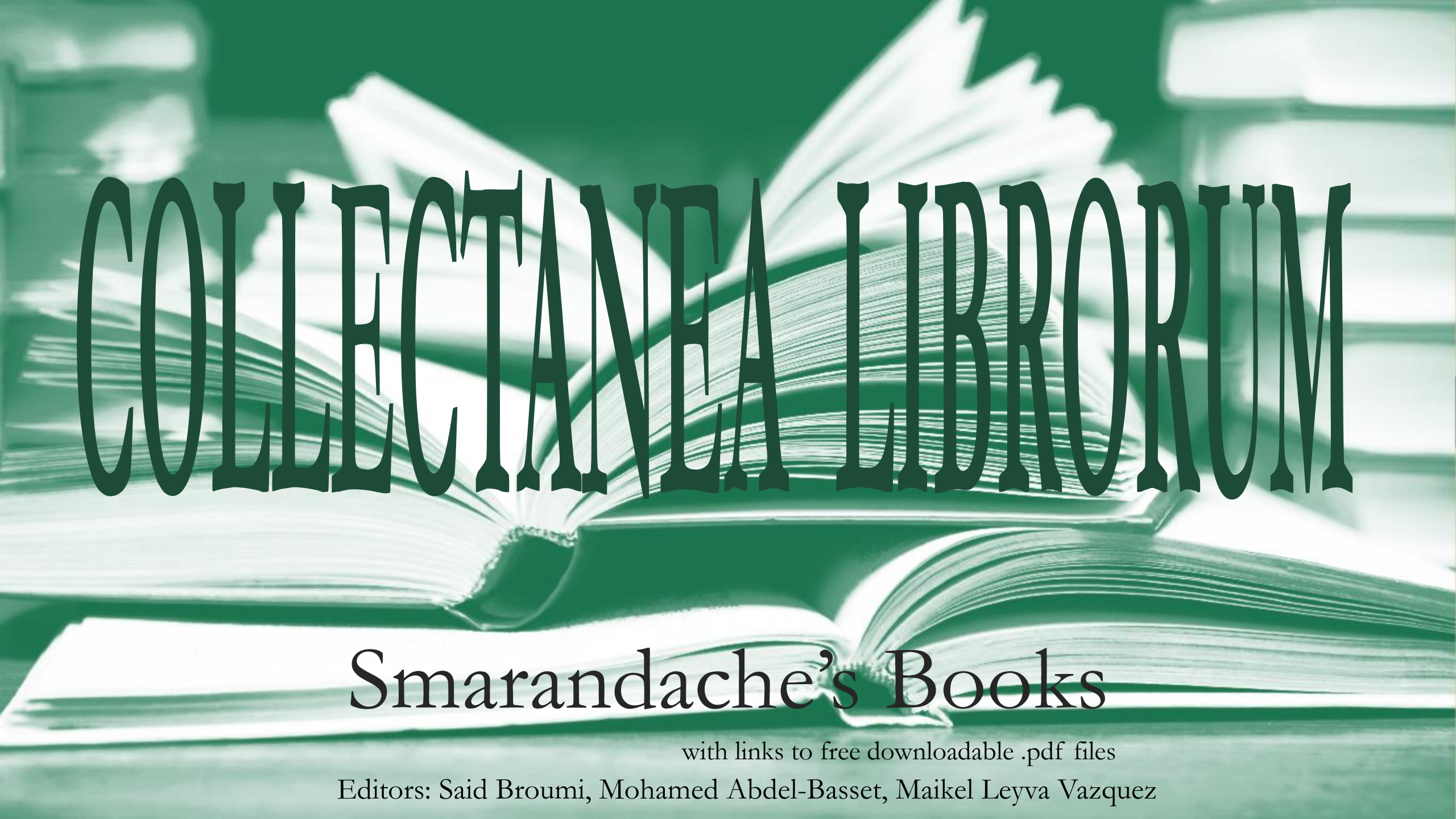


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Editors: Said Broumi, Mohamed Abdel-Basset, Maikel Leyva Vazquez

Introductory Note

Editors: Said Broumi, Mohamed Abdel-Basset, Maikel Leyva Vazquez

This volume is a virtual resource of library sheets: a collection of books whose author, co-author, or editor is Florentin Smarandache.

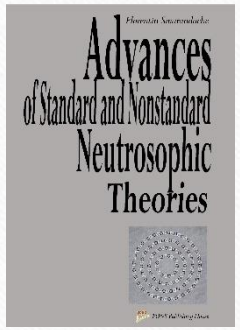
It comprises bibliographical descriptions of almost 500 books in many languages (English, Romanian, French, Chinese, Russian, Arabic, Spanish, Portuguese, Serbian, Italian, German, Latin), which are ordered and inventoried chronologically, by cathegories: Mathematics, Physics, Social Sciences (Sociology, Psychology, Communication Studies, Economics&Business, Pedagogy), Philosophy, Literature (Poetry, Fiction, Theatrical Plays), Travel memoirs and albums, Humorous Internet Folklore, Visual Arts albums, and a chapter of Miscellanea (Aphorisms, Letters, Interviews, Literary Anthologies, Memoirs, Notes, Scilogs). Smarandache's very particular contributions to science {Neutrosophy, Dezert-Smarandache Theory, superluminal physics, HyperSoft Set, Plithogenic Set, Law of Included Multiple-Middle, NeutroAlgebra & AntiAlgebra, n-SuperHyperGraph, Smarandache geometries, Theory of Neutrosophic Evolution (Degrees of Evolution, Indeterminacy, and Involution), α-Discounting Method for Multi-Criteria Decision Making}, literature (Paradoxism), and art (oUTER-aRT) are also illustrated.

About Smarandache

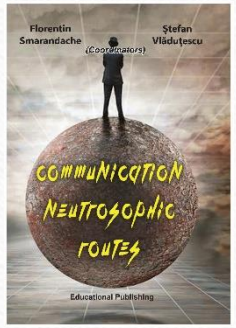


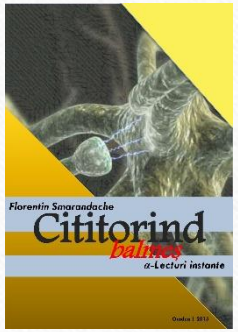
Florentin Smarandache

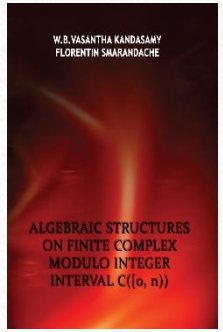
Florentin Smarandache (born in 1954, Romania) is a Professor of Mathematics at the University of New Mexico, Gallup campus, USA. He has published extensively books, papers and notes in mathematics, physics, economy, psychology, philosophy, literature, arts, or rebus. In mathematics his research papers are in number theory, non-Euclidean geometry, synthetic geometry, algebraic structures, statistics, and multiple-valued logic (fuzzy logic and fuzzy set, neutrosophic logic and neutrosophic set, neutrosophic probability, and their extensions to plithogenic set / logic / probability). He contributed with proposed problems and solutions to the Student Mathematical Competitions. He received the 2011 Romanian Academy "Traian Vuia" Award for Technical Science (the highest in the country); Doctor Honoris Causa of Academia DacoRomana from Bucharest - 2011, and Doctor Honoris Causa of Beijing Jiaotong University (one of the highest technical universities of China) – 2011, and Postdoctoral certificate from Okayama University of Sciences in Japan – 2014. Smarandache was also nominated by Academia DacoRomana from Bucharest for the 2011 Nobel Prize in Literature.

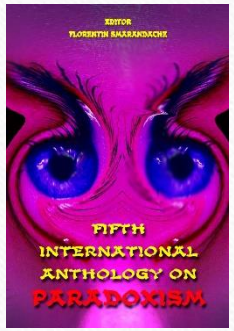












Smarandache received the 2012 New Mexico - Arizona Book Award and 2011 New Mexico Book Award at the category Science & Math. Outstanding Professional Service and Scholarship at The University of New Mexico - Gallup (2009, 2005, 2001). Postdoctoral research at Guangdong University of Technology, China - 2012, at ENSIETA (National Superior School of Engineers and Study of Armament), Brest, France -2010, and at Air Force Research Laboratory in Rome, NY, USA (under State University of New York Institute of Technology) - 2009. Invited speaker at the University of Berkeley (2003), NASA Langley Research Center-USA (2004), NATO Advance Study Institute-Bulgaria (2005), Caltech (American Physical Society Annual Meeting, 2010), at the Institute of Atomic Physics (Magurele, Romania 2011), and many other universities around the world.

Every book is portrayed by its frontcover, and its bibliographical description is supplemented by specific keywords, a short review, and sometimes excerpts. Whenever a book had many editions, we inventoried only the latest one.

For each book there is a link where you can download it for free in .pdf format.

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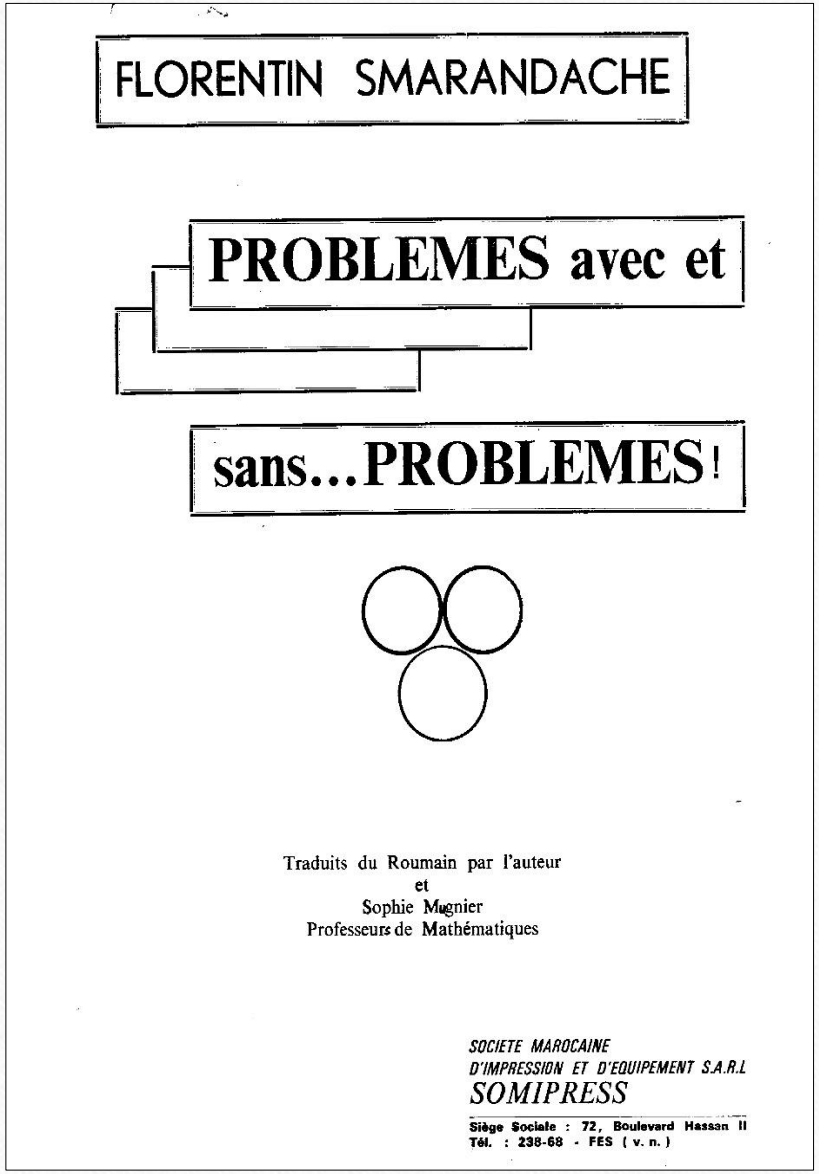
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Mathematics



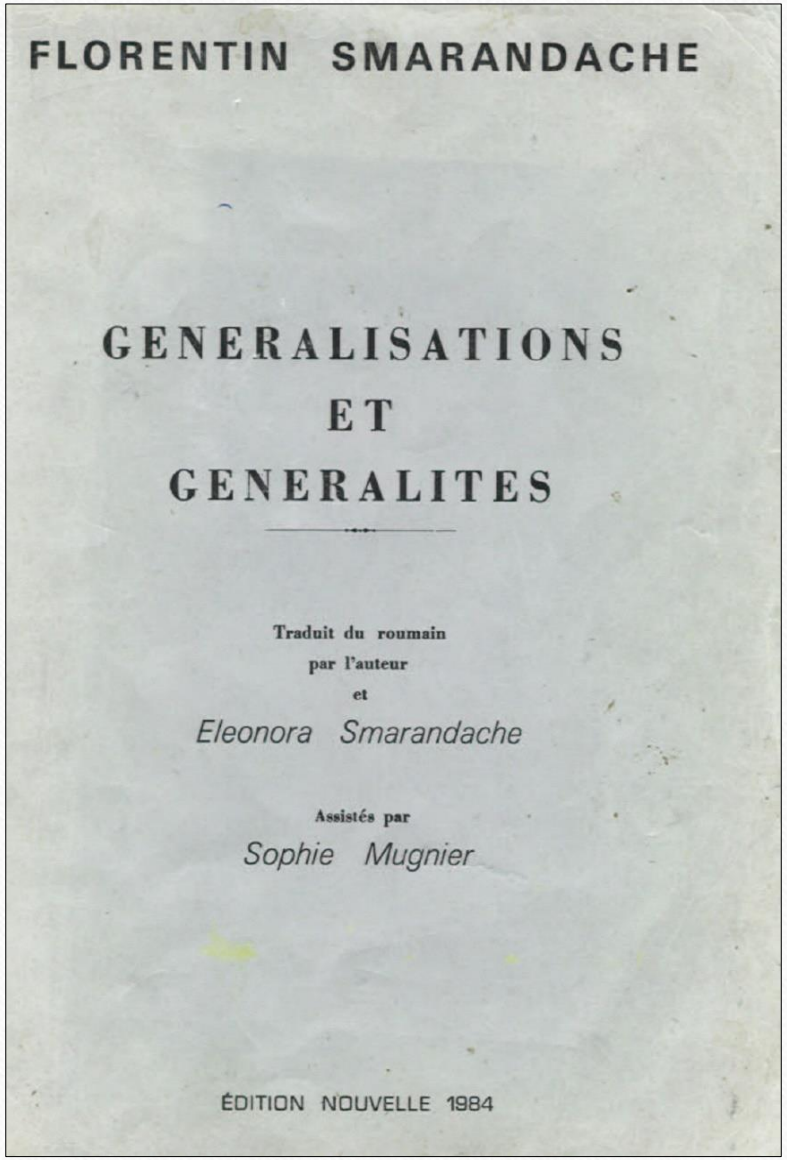
Florentin Smarandache: **Problèmes avec et sans… problèmes!** Fès, Morocco: Somipress, 1983, 175 p.

Keywords: Algebra, Geometry, Trigonometry, Arithmetics, Logic.

This book is intended for high school pupils, students and teachers. It contains 140 original problems published by the author in scientific journals. The problems are useful for preparing for competitions, exams, mathematical olympics. Many of them are generalized. For each problem we give a detailed solution.

Ce livre s'adresse aux élèves du lycée, aux étudiants et aux professeurs. Il contient 140 problèmes originaux publiés par l'auteur dans les revues scientifiques. Les problèmes sont utiles pour préparer les concours, les examens, les olympiades mathématiques. Beaucoup d'eux ont un caractère généralisé. Pour chaque problème on donne une solution détaillée.

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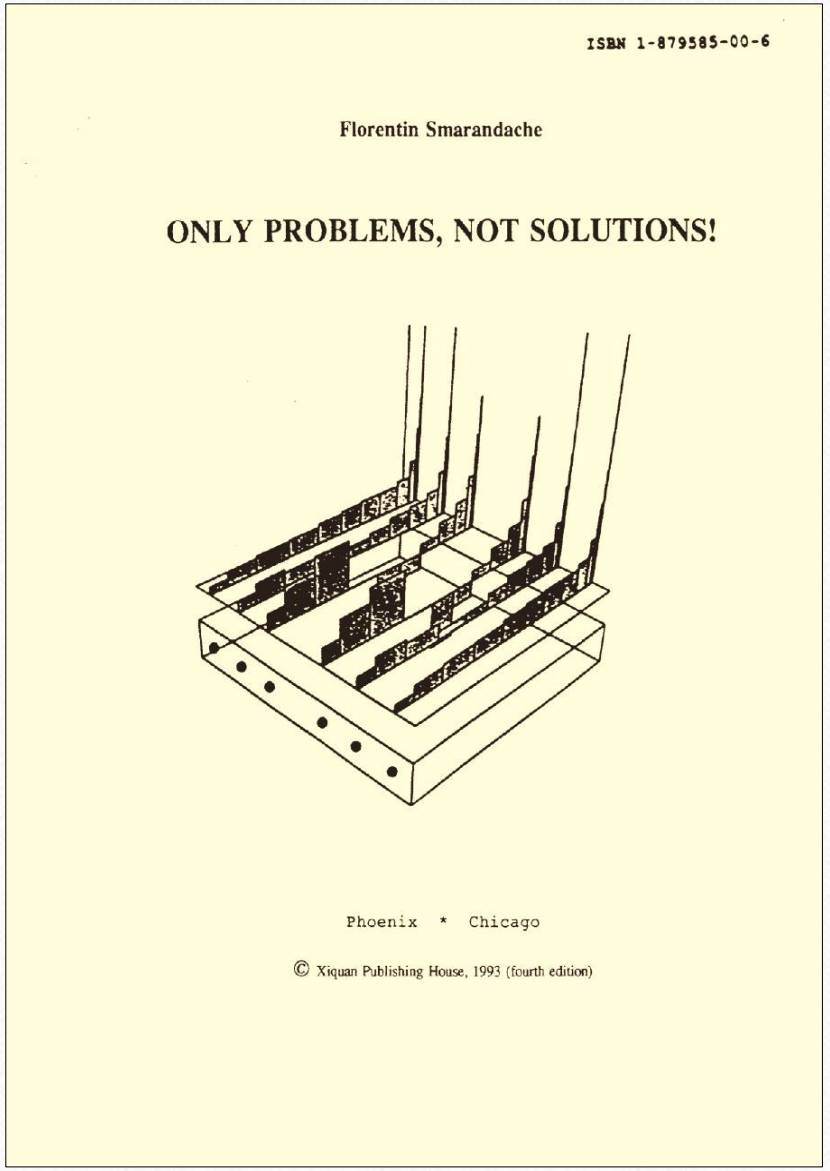
Florentin Smarandache: **Généralisations et Généralités.** Fès, Morocco: Edition Nouvelle, 1984, 54 p.

Keywords: Algebra, Geometry, Arithmetics, Number Theory, Mathematical Analysis, Fun Math.

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"Généralisations et Généralités", pourquoi ce titre? Parce que l'auteur a voulu rassembler ici quelques-unes de ses recherches originales (qui sont donc des "généralités"), dans diverses branches des mathématiques (algèbre, théorie des nombres, géométrie, analyse, linguistique, mathématiques distrayantes), même si les articles qui composent ce recueil n'ont pas toujours de liaison entre eux. "Généralisations", parce qu'un grand nombre d'articles élargissent des résultats connus, et ce grâce à un procédé simple.

"Generalizations and Generalities", why this title? Because the author wanted to bring together here some of his original research (which are therefore "generalities"), in various branches of mathematics (algebra, number theory, geometry, analysis, linguistics, fun math), although the articles that compose this collection do not always have a link between them. "Generalizations," because a large number of articles expand on known results, and that's through a simple process.



Florentin Smarandache: **Only Problems, Not Solutions!** *Fourth edition.* Glendale, AZ, USA: Xiquan, 1993, 112 p.

Keywords: Algebra, Geometry, Trigonometry, Arithmetics, Number Theory, Mathematical Analysis, Mathematical Philosophy.

This book is a collection of 105 unsolved problems specially in number theory with a forward about mathematical philosophy.

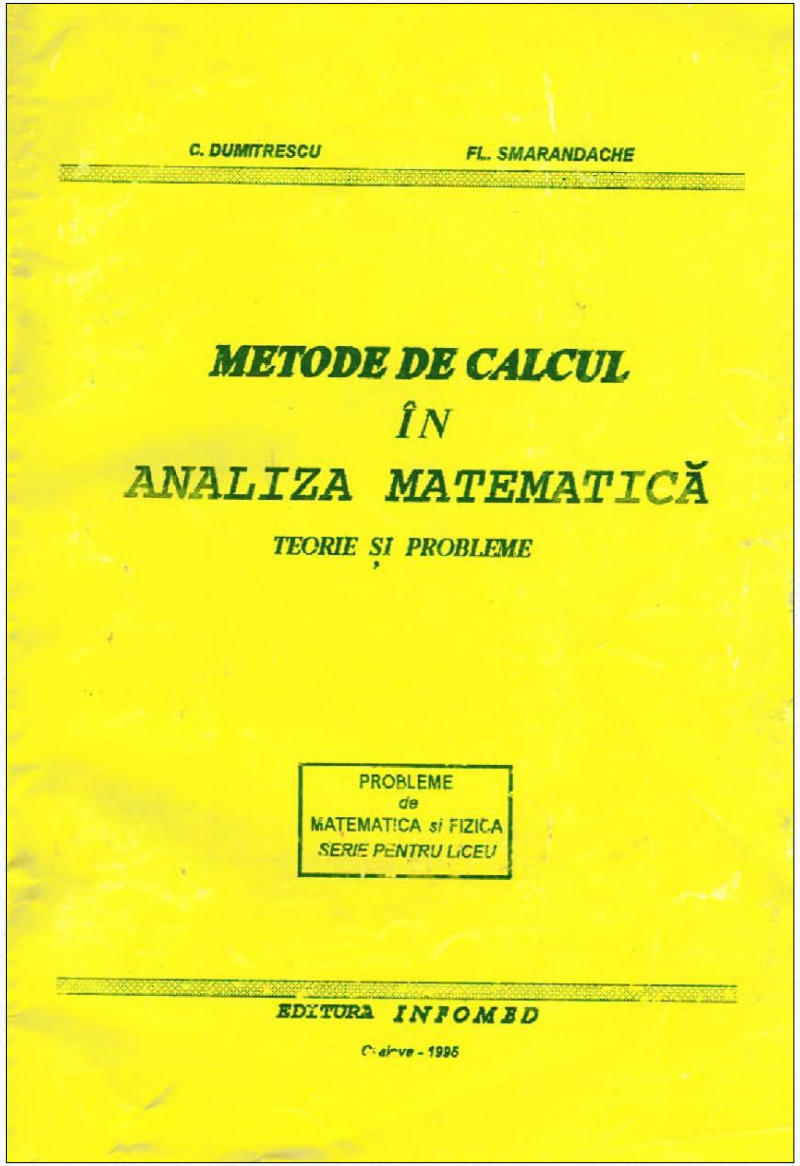
Excerpts:

"I am sure that the "unsolved" problems presented in these pages will be (or have already been before the appearance of this essay) easy for many mathematicians, but for me they were an obsessions. W. Sierpinski was optimistic when he said that if mankind lasted then all these unsolved problems would be solved.

All the material in this paper is original in the author's opinion. He wanted to gather in this paper a variety of material, for the sake of an harmony of contraries."

Florentin Smarandache

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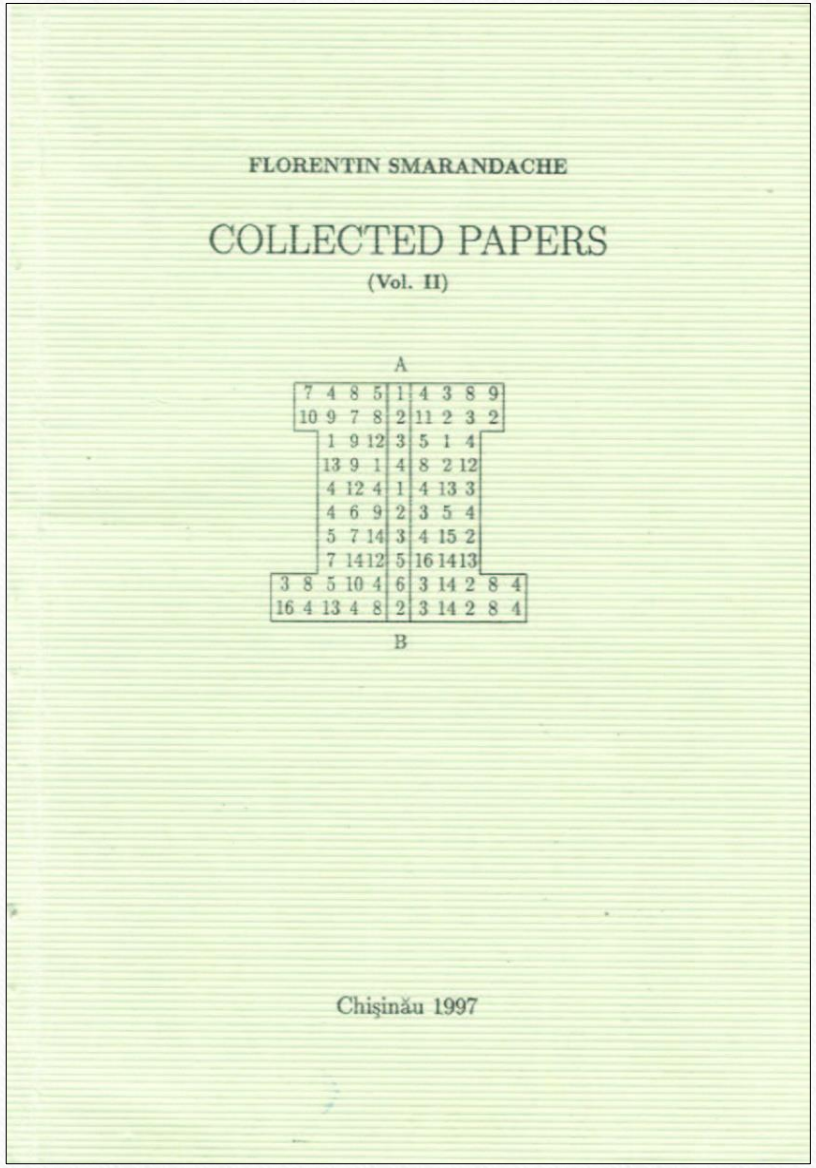
C. Dumitrescu, Fl. Smarandache: **Metode de calcul în analiza matematică**. *Teorie şi probleme*. Craiova, Romania: Infomed, 1995, 230 p.

Keywords: Algebra, Sets, Strings, Limits, Continuity, Derivability, Roots, Fermat, Rolle, Lagrange.

This book offers a succession of methods encountered in the study of high school mathematical analysis, presented in a methodical manner, which allow students and teachers to reduce various problems to as many known work schemes. Some of these methods aim at proving set equations, demonstrating the objectivity of functions, studying the monotony of strings, calculating string limits, studying continuity and derivability, determining the roots of an equation, applying the theorems of Fermat, Rolle, Lagrange, Cauchy, etc.

Această carte oferă o succesiune de metode întâlnite în studiul analizei matematice de liceu, prezentate într-o manieră metodică, care permit elevilor și profesorilor să reducă diverse probleme la cât mai multe scheme de lucru cunoscute. Câteva dintre aceste metode vizează demonstrarea egalităților de mulțimi, demonstrarea bijectivității funcțiilor, studiul monotoniei șirurilor, calculul limitelor de șiruri, studiul continuității și derivabilității, determinarea rădăcinilor unei ecuații, aplicații ale teoremelor lui Fermat, Rolle, Lagrange, Cauchy ș.a.

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Florentin Smarandache: **Collected Papers.** *Second volume.* Kishinev, Moldova: Universitatea de Stat a Moldovei, 1997, 200 p.

Keywords: Paradoxist Mathematics, Recreational Mathematics, Number Theory, Non-Mathematics, Anti-Mathematics, Dadaist Algebra, Surrealist Probability, Cubist Geometry, Impressionist Analysis, Theory of Non-Choice, Infinite Computability Theory, Symbolist Mechanics, Abstract Physics, Formalist Chemistry, Expressionist Statistics, Hermetic Combinatorics, Romanistics Topology, Letterist Number Theory.

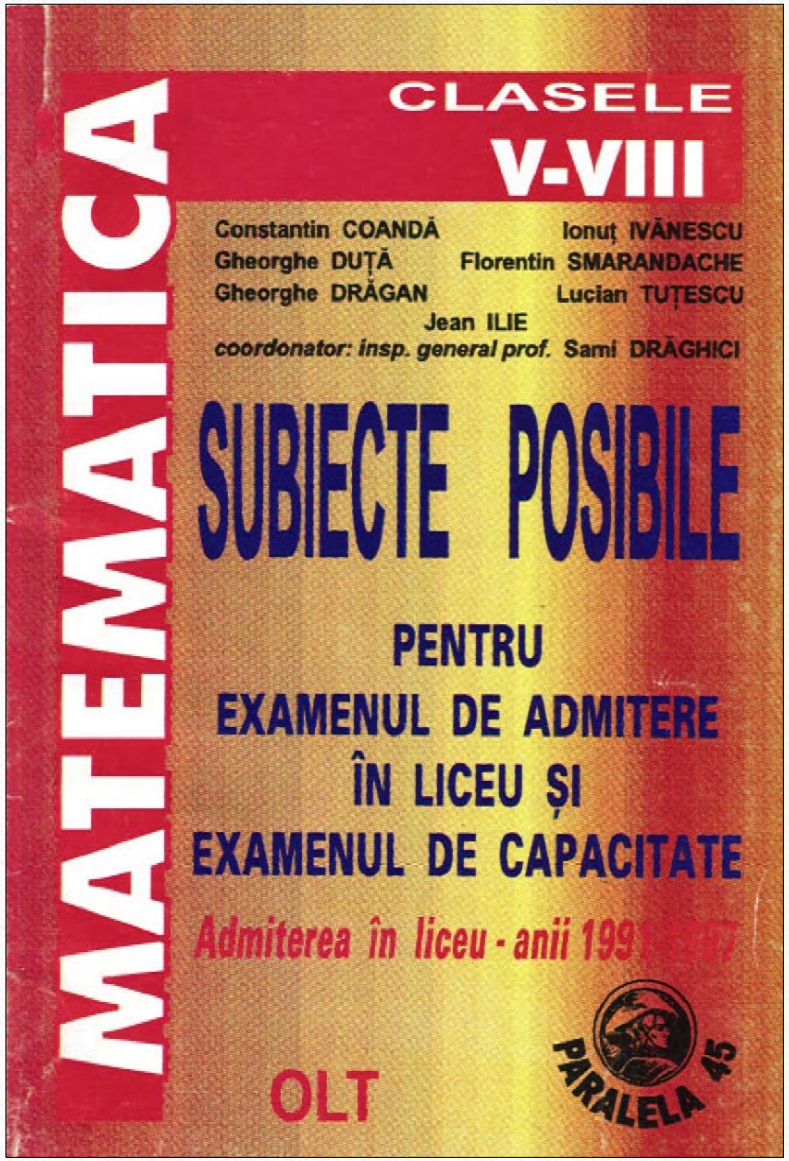
This books deals with themes such as paradoxist mathematics, recreational mathematics, number theory, mostly trying to experiment new math concepts and theories, especially if they run counter to the classical ones.

Excerpts:

"To prove that contradiction is not a catastrophe, and to learn to handle it in an (un)usual way. To transform the apparently unscientific ideas into scientific ones, and to develop their study (The Theory of Imperfections). And finally, to interconnect opposite (and not only) human fields of knowledge into as-heterogeneous-as-possible another fields."

Florentin Smarandache

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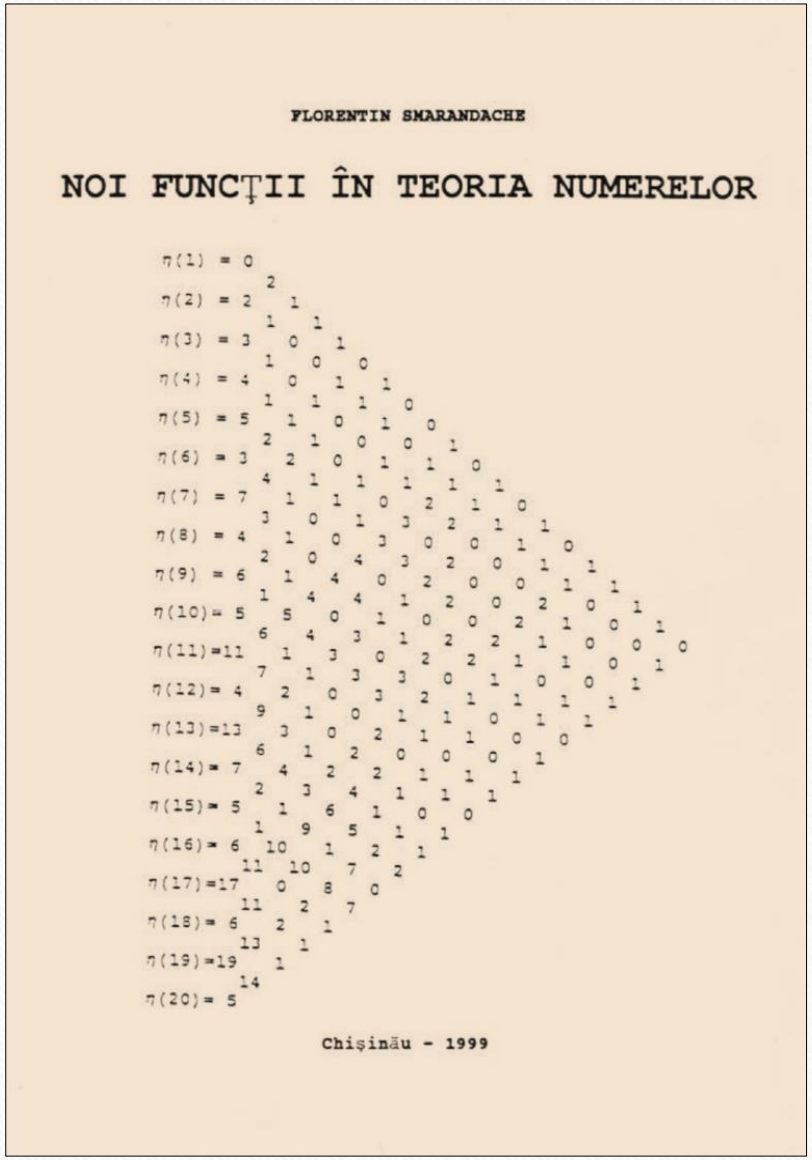
Constantin Coanda, Gheorghe Duţă, Gheorghe Drăgan, Jean Ilie, Ionuţ Ivănescu, Florentin Smarandache, Lucian Tuţescu, Sami Drăghici: **Subiecte posibile pentru examenul de admitere în liceu şi examenul de capacitate.** *Admiterea în liceu anii - 1991-1997 (Clasele V –VIII).* Pitești, Romania: Paralela 45, 1998, 188 p.

Keywords: Algebra, Arithmetics, Geometry, Exams, Problems.

Prezenta lucrare încearcă să pună la dispoziţia elevilor şi profesorilor instrumente de evaluare a cunoştinţelor la toate capitolele din actuala programă de matematică din România. Testele cuprinse în această culegere au un caracter complementar faţă de multe materiale scrise în vederea sprijinirii celor ce se pregătesc pentru examene şi se referă la întreaga materie cuprinsă în programele analitice de aritmetică, algebră şi geometrie din clasele gimnaziale. Aceste teste au fost realizate cu intenţia de a-i ajuta corespunzător pe cei ce vor să utilizeze lucrarea asigurându-li-se acestora succesul cât şi plusul de pregătire pentru viitoarele examene

This paper tries to provide students and teachers with tools for assessing knowledge in all chapters of the current mathematics program in Romania. The tests included in this collection are complementary to many written materials to support those preparing for exams and refer to the entire subject included in the analytical programs of arithmetic, algebra and geometry in middle school classes. These tests were carried out with the intention of properly helping those who want to use the work, ensuring their success as well as the extra preparation for future exams.

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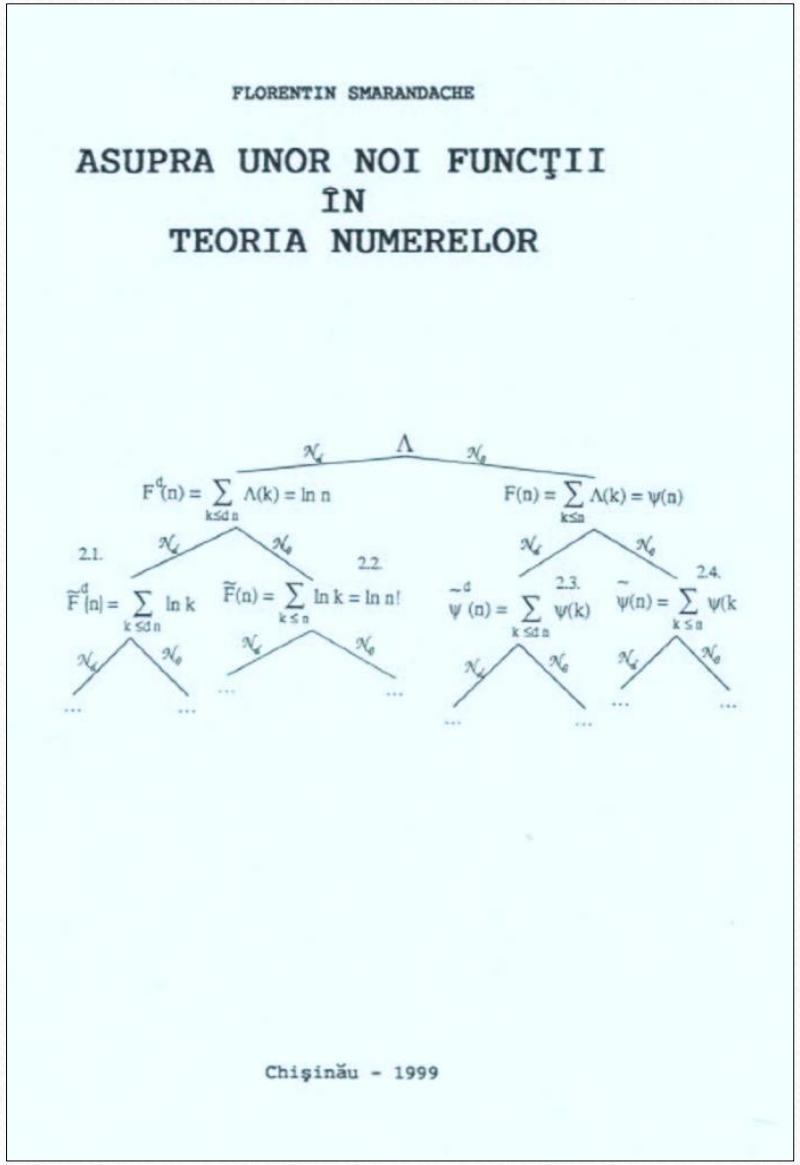
Florentin Smarandache: **Noi funcţii în teoria numerelor.** Kishinev, Moldova: Universitatea de Stat a Moldovei, 1999, 120 p.

Keywords: Algebra, Arithmetics, Number Theory, Carmichael's Conjecture, Smarandache Function.

This paper consists of 9 articles, all published in Romanian or foreign mathematics journals, and some even presented at national and international congresses and conferences. The first three chapters introduce new functions in number theory, study their properties, unresolved problems related to them, implications in the international scientific world (what other mathematicians have approached these notions), connections with other well-known functions, the importance of results; the last chapter contributes to the study of a function known in number theory (Euler's totient or phi), mainly concerning Carmichael's conjecture.

Lucrarea de faţă se compune din 9 articole, publicate toate prin reviste de matematică româneşti sau străine, iar unele prezentate chiar la congrese şi conferinţe naţionale cât şi internaţionale. În primele trei capitole se introduc noi funcţii în teoria numerelor, se studiază proprietăţile lor, probleme nerezolvate legate de ele, implicaţii în lumea ştiinţifică internaţională (ce alţi matematicieni au abordat noţiunile acestea), conexiuni cu alte funcţii bine ştiute, importanţa rezultatelor obţinute; în ultimul capitol se aduc contribuţii la studierea unei funcţii cunoscute în teoria numerelor (totient sau phi a lui Euler), în principal referitoare la conjectura lui Carmichael.

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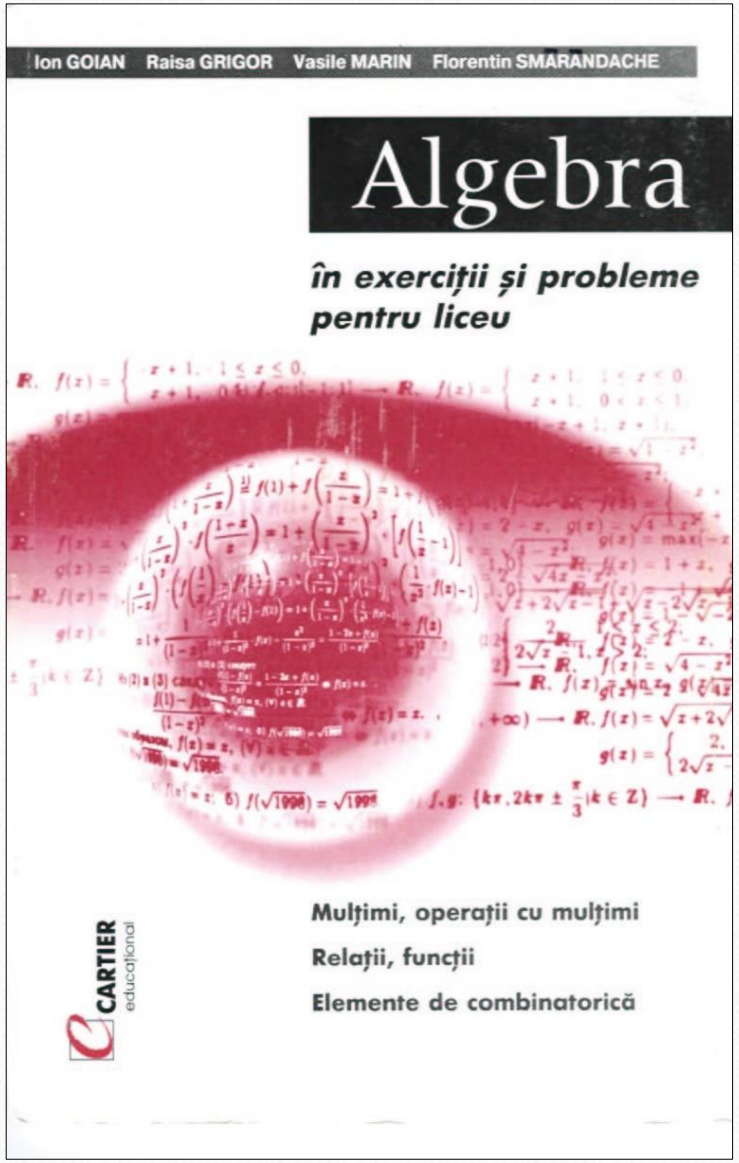
Florentin Smarandache: **Asupra unor noi funcţii în teoria numerelor.** Kishinev, Moldova: Universitatea de Stat a Moldovei, 1999, 97 p.

Keywords: Algebra, Arithmetics, Number Theory, Smarandache Functions, Congruence.

The performances of current mathematics, as well as the discoveries of the future, have their beginning in the oldest branch (and closest to philosophy) of mathematics: Number Theory. Mathematicians of all times have been, are and will be attracted by the beauty and variety of problems specific to this branch of mathematics. Queen of mathematics, which in turn is the queen of science, as Gauss said, Number Theory shines with its light and attractions, fascinating and making it easier for us to know the laws that govern the macrocosm and microcosm.

Performanţele matematicii actuale, ca şi descoperirile din viitor, îşi au începutul în cea mai veche şi mai aproape de filozofie ramură a matematicii: teoria numerelor. Matematicienii din toate timpurile au fost, sunt şi vor fi atraşi de frumuseţea şi varietatea problemelor specifice acestei ramuri a matematicii. Regină a matematicii, care la rândul ei este regină a ştiinţelor, după cum spunea Gauss, teoria numerelor străluceşte cu lumina şi atracţiile ei, fascinându-ne şi uşurându-ne drumul cunoaşterii legităţilor ce guvernează macrocosmosul şi microcosmosul.

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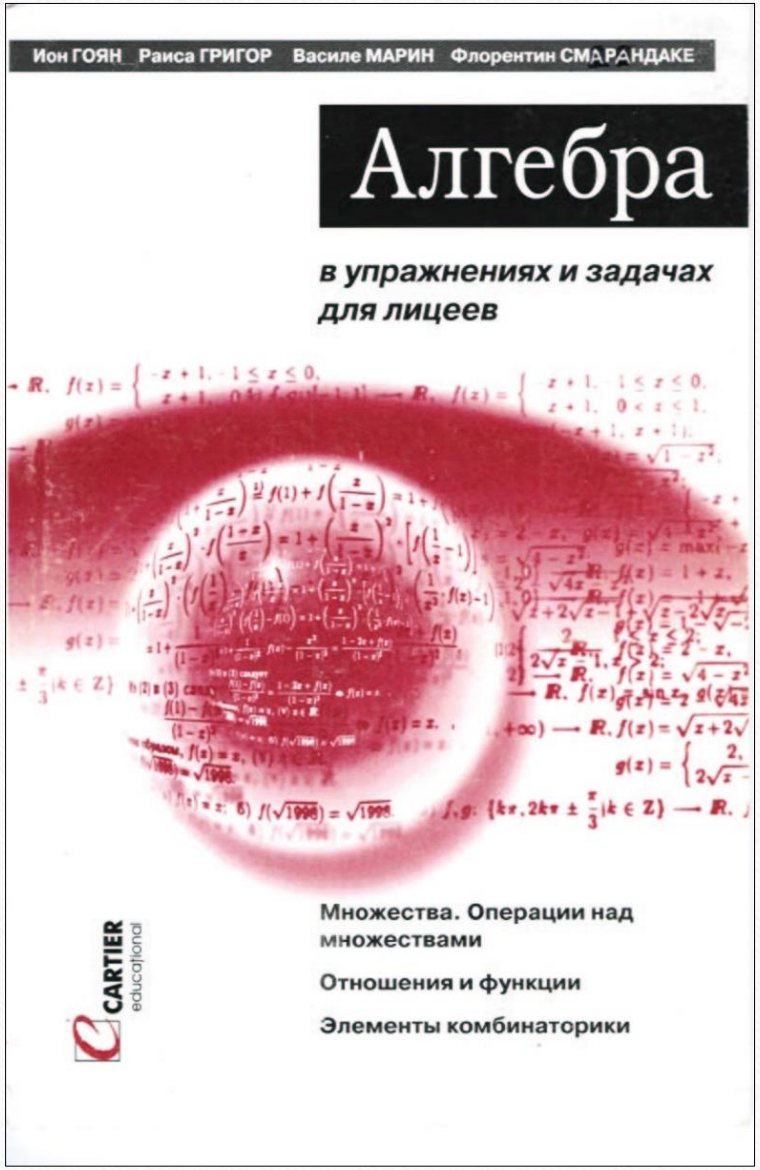
Ion Goian, Raisa Grigor, Vasile Marin, Florentin Smarandache: **Algebra în exerciţii şi probleme pentru liceu.** *Mulţimi, operaţii cu mulţimi, relaţii, funcţii, elemente de combinatorică.* Bucharest & Kishinev, Moldova & Romania: Cartier, 2000, 115 p.

Keywords: Algebra, Arithmetics, Number Theory, Sets, Functions, Relations, Combinatorics.

This book contains exercises and algebra problems, grouped by chapters, for upper classes and high schools of general education. Its purpose is the mathematical training of high school students of all categories and will be useful in independent work. Also, this book can be used for extracurricular work, because the reader will find in it important theorems and formulas, notions and basic definitions that are not always included in textbooks.

Prezenta lucrare conţine exerciţii şi probleme de algebră, grupate pe capitole, pentru clasele superioare de licee și școli medii de cultură generală. Scopul ei este pregătirea matematică a elevilor din liceele de toate categoriile și va fi utilă în lucrul de sine stătător. De asemenea, lucrarea poate fi folosită pentru lucrul extrașcolar, deoarece cititorul va găsi în ea teoreme și formule importante, noţiuni și definiţii de bază care nu întotdeauna sunt incluse în manualele școlare.

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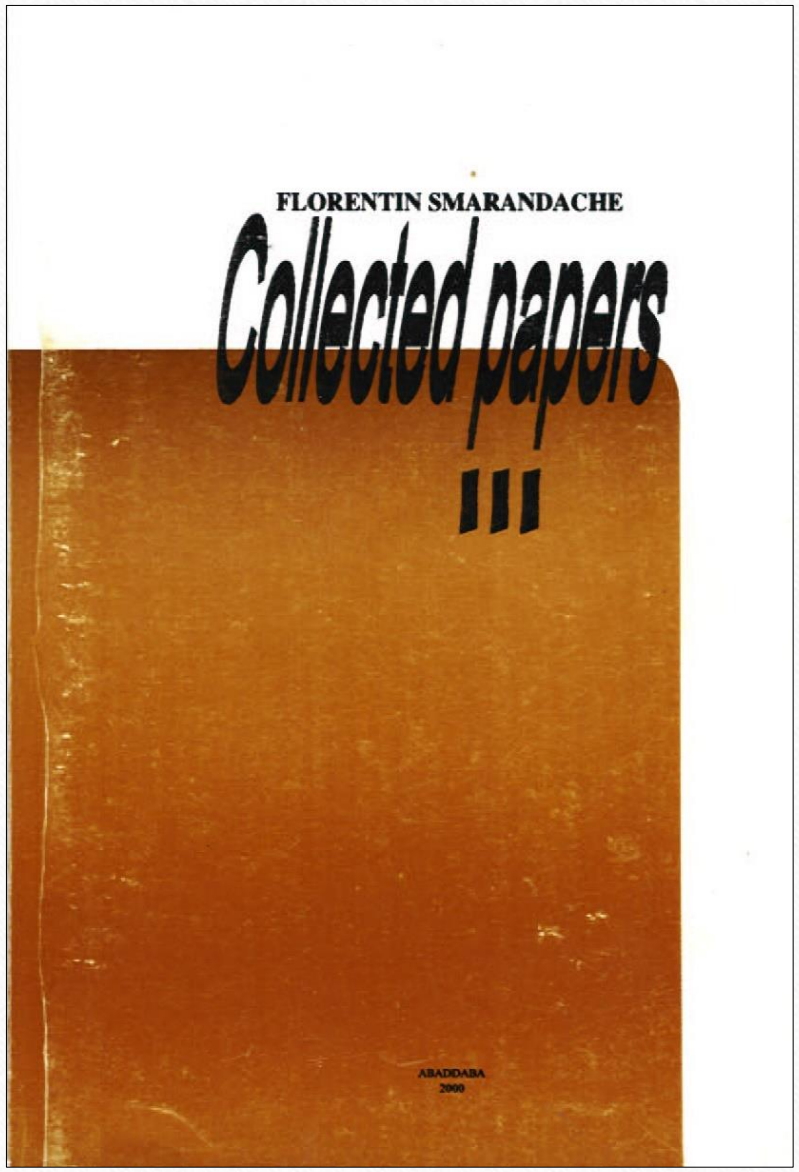
Ион Гоян, Раиса Григор, Василе Марин, Флорентин Смарандаке: **Алгебра в упражнениях и задачах для лицеев**. *Множества, Операции над множествами, Отношения и функции, Элементы комбинаторики*. Bucharest & Kishinev, Moldova & Romania: Cartier, 2000, 120 p.

Keywords: Algebra, Arithmetics, Number Theory, Sets, Functions, Relations, Combinatorics.

Настоящая работа охватывает упражнения и задачи по алгебре, сгруппированные по главам в соответствии со школьными програмами старших классов, лицеев и средних общеобразовательных школ. Цель ее - математическая подготовка учеников лицеев всех категорий в их индивидуальной работе. Ее можно успешно использовать для внеклассной работы, так как в ней читатель найдет важные теоремы и формулы, главные определения и понятия, которые не всегда имеются в школьных учебниках.

The performances of current mathematics, as well as the discoveries of the future, have their beginning in the oldest branch (and closest to philosophy) of mathematics: Number Theory. Mathematicians of all times have been, are and will be attracted by the beauty and variety of problems specific to this branch of mathematics. Queen of mathematics, which in turn is the queen of science, as Gauss said, Number Theory shines with its light and attractions, fascinating and making it easier for us to know the laws that govern the macrocosm and microcosm.

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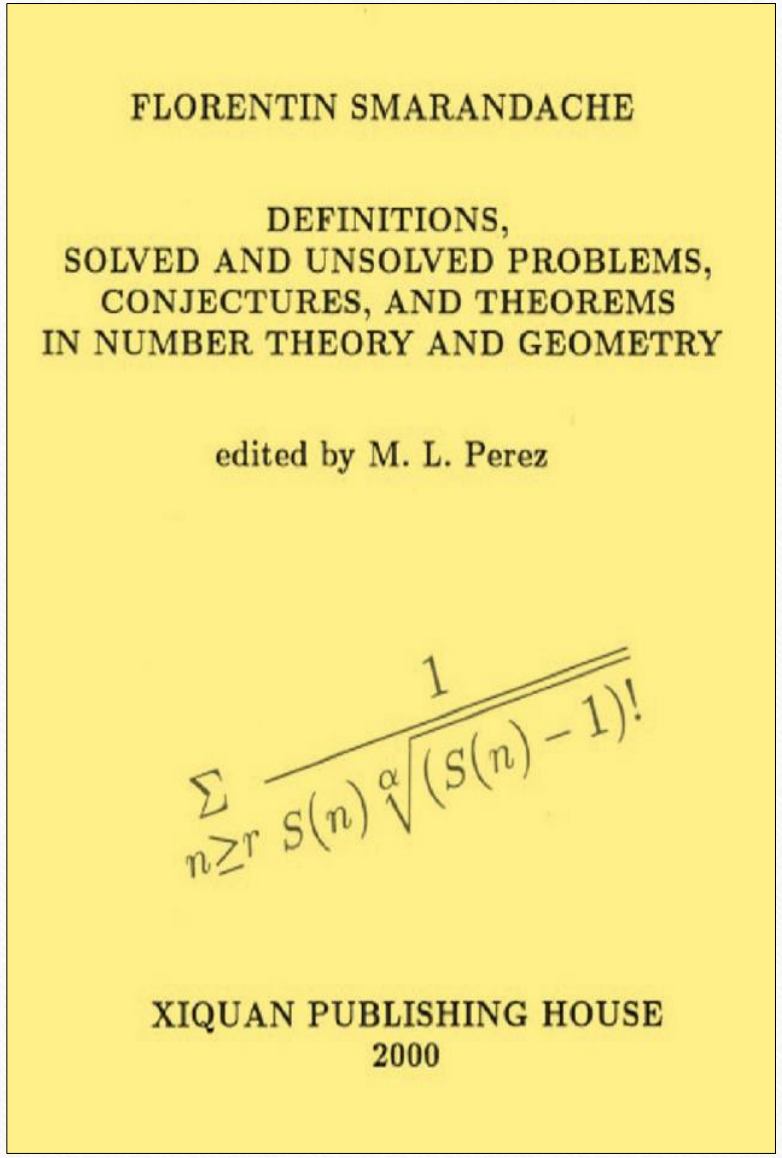


Florentin Smarandache: **Collected Papers.** *Third volume.* Oradea, Romania: Abaddaba, 2000, 160 p.

Keywords: Neutrosophic Logic, Neutrosophic Probability, Neutrosophic Statistics, Neutrosophic Set, Rugina's System of Thought, Very Perfect Numbers, Special Algebraic Structures, Conjectures, Andrica's Conjecture, Bernoulli's Numbers.

A collection of papers about an unifying field in logics (Neutrosophic Logic) and about neutrosophy in general (Neutrosophic Probability, Neutrosophic Set, Neutrosophic Logic), on Rugina's System of Thought, on special algebraic structures, about the characteristic function of the set, about very perfect numbers, on inequalities for the integer part function, about Bernoulli's numbers, on conjectures which generalize Andrica's conjecture, about an application of Wallis Theorem, on linguistic paradoxes and tautologies, also presenting some funny problems.

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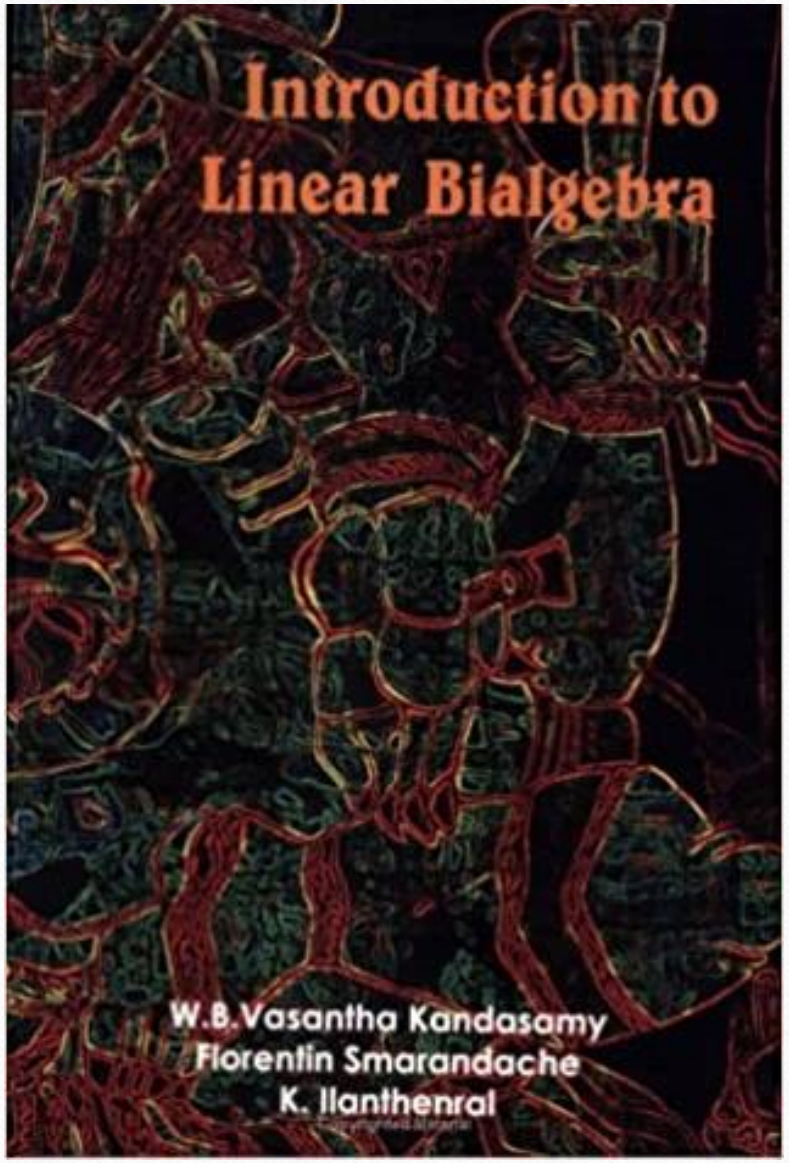


Florentin Smarandache: **Definitions, solved and unsolved problems, conjectures, and theorems in number theory and geometry.** *Edited by M. L. Perez.* Phoenix, AZ, USA: Xiquan Publishing House, 2000, 83 p.

Keywords: Smarandache Conjectures, Smarandache Functions, Smarandache Sequences, Smarandache Numbers, Smarandache Problems, Smarandache Bases, Smarandache Hypothesis, Smarandache Sorites paradox.

A collection of definitions, problems, theorems, and conjectures on Smarandache functions, sequences, criteria of primality, constants and series, numerical bases, progressions, partitions, continued fractions, theorems in synthetical geometry, Smarandache non-euclidean geometries, paradoxes and tautologies. Many contributors to the study of Smarandache notions are cited: C. Ashbacher, H. Ibstedt, F. Luca, S. Tabirca, K. Atanassov, J. Sandor, E. Weisstein, R. Stefan, D. Talukdar. Many conjectures and problems have been cheched with computer programs. The last part of the book is dedicated to physics, presenting the Smarandache Sorites Paradox. Also, the well-known Smarandache Hypothesis (1972) that: there is no speed limit in the universe, which is being developed in the Smarandache-Rodrigues-Maiorino theory and has a strong impact in the theory of communication.

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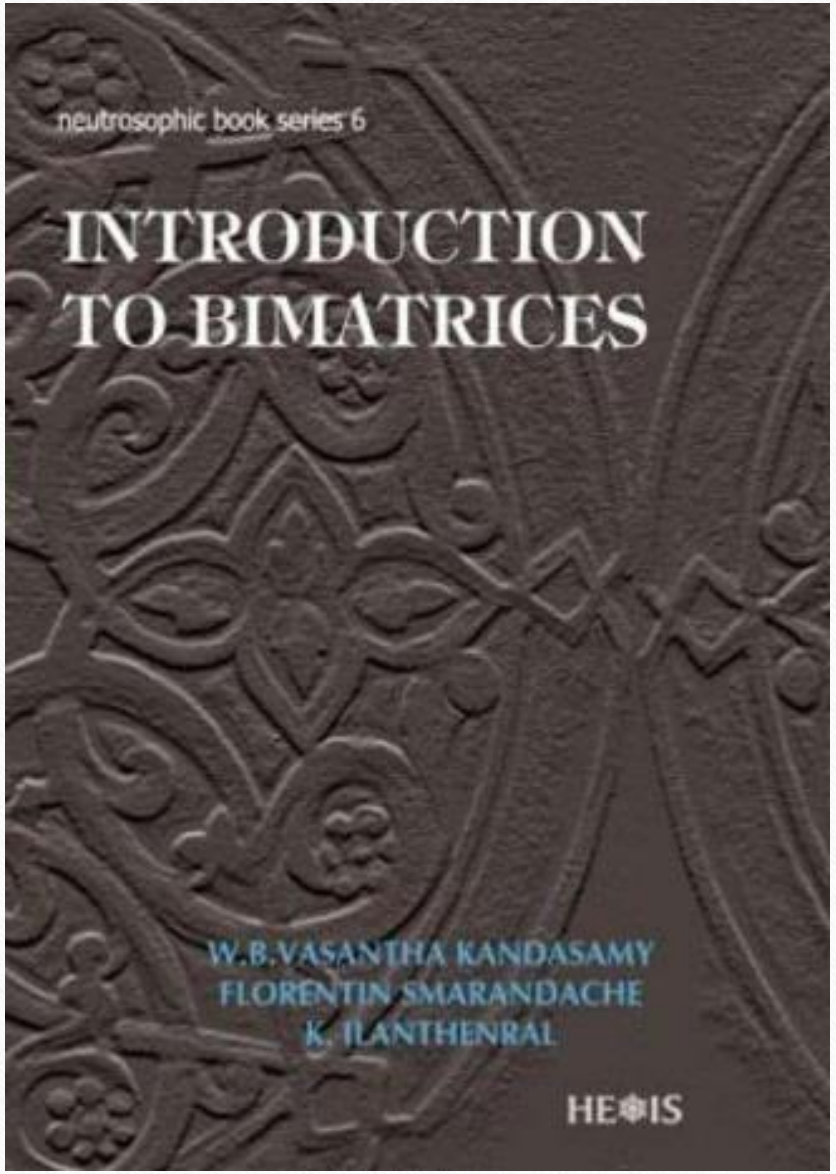


W. B. Vasantha Kandasamy, Florentin Smarandache, K. Ilanthenral: **Introduction to Linear Bialgebra.** Phoenix, AZ, USA: Hexis, 2005, 238 p.

Keywords: Linear Bialgebra, Smarandache Neutrosophic Linear Bialgebra, Bigraphs, Algebraic Coding, Bicodes, Best Biapproximations, Markov Bichains, Markov Bioprocess, Leonief Economic Bimodels.

In the modern age of development, it has become essential for any algebraic structure to enjoy greater acceptance and research significance only when it has extensive applications to other fields. This new algebraic concept, Linear Bialgebra, is one that will find applications to several fields like bigraphs, algebraic coding/communication theory (bicodes, best biapproximations), Markov bichains, Markov bioprocess and Leonief Economic bimodels: these are also brought out in this book. Here, the linear bialgebraic structure is given sub-bistructures and super-structures called the Smarandache neutrosophic linear bialgebra which will easily yield itself to the above applications.

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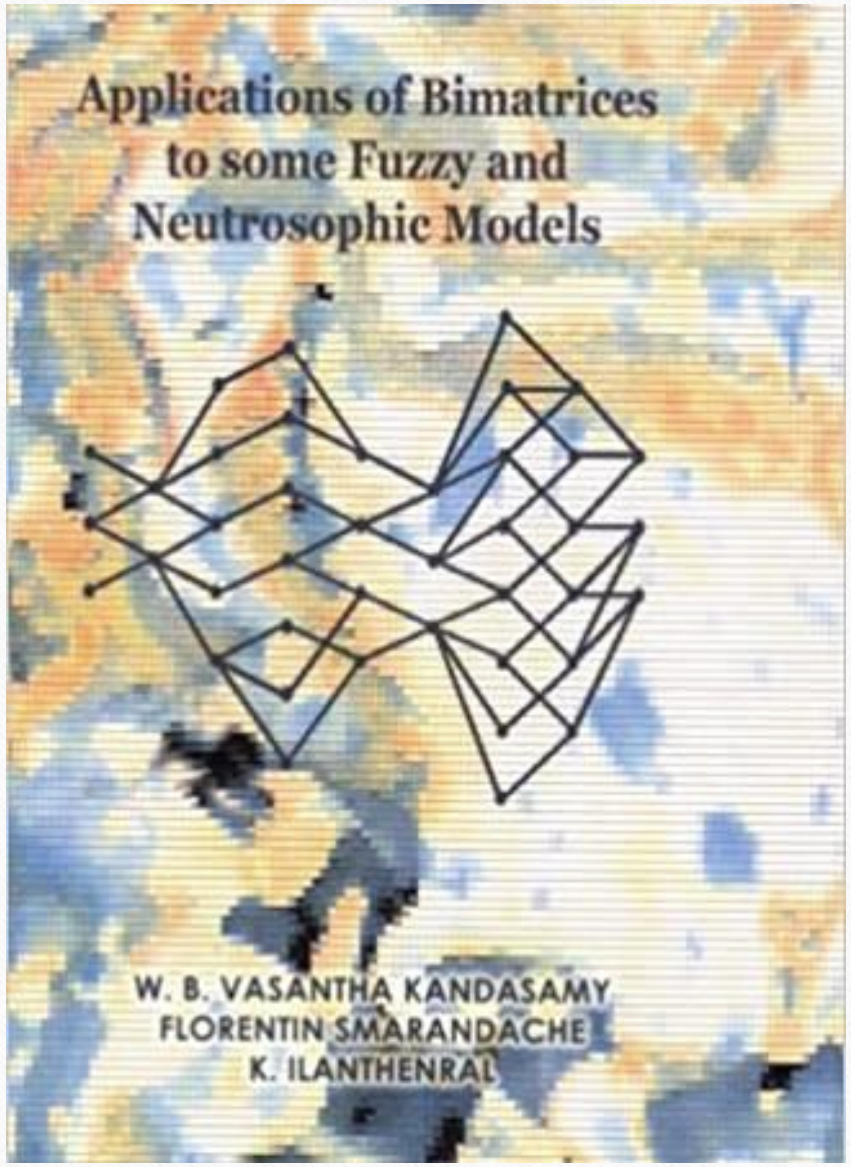


W. B. Vasantha Kandasamy, Florentin Smarandache, K. Ilanthenral: **Introduction to Bimatrices.** Phoenix, AZ, USA: Hexis, 2005, 181 p.

Keywords: Bimatrices, Symmetric Bimatrices, Skew Symmetric Bimatrices, Subbimatrix, Bideterminant, Laplace Equation, Bivector Spaces, Bieigen Values, Bieigen Vectors, Neutrosophic Algebraic Structures, Neutrosophic Bimatrices, Neutrosophic Bivector Spaces.

Generally any real-world problem is not always solvable, because in that not only a percentage of uncertainty is present, but also, a certain percentage of indeterminacy is present. The presence of uncertainty has been analyzed using fuzzy logic. In this book the amount of indeterminacy is being analyzed using neutrosophic logic. Most of these models use the concept of matrices. Matrices have certain limitation; when the models are time-dependent and any two experts' opinions are being studied simultaneously, one cannot compare both of them at each stage. The new concept of bimatrices would certainly cater to these needs. This book introduces the concept of bimatrices, and studies several notions like bieigen values, bieigen vectors, characteristic bipolynomials, bitransformations, bioperators and bidiagonalization. Further, we introduce and explore the concepts like fuzzy bimatrices, neutrosophic bimatrices and fuzzy neutrosophic bimatrices, which will find its application in fuzzy and neutrosophic logics.

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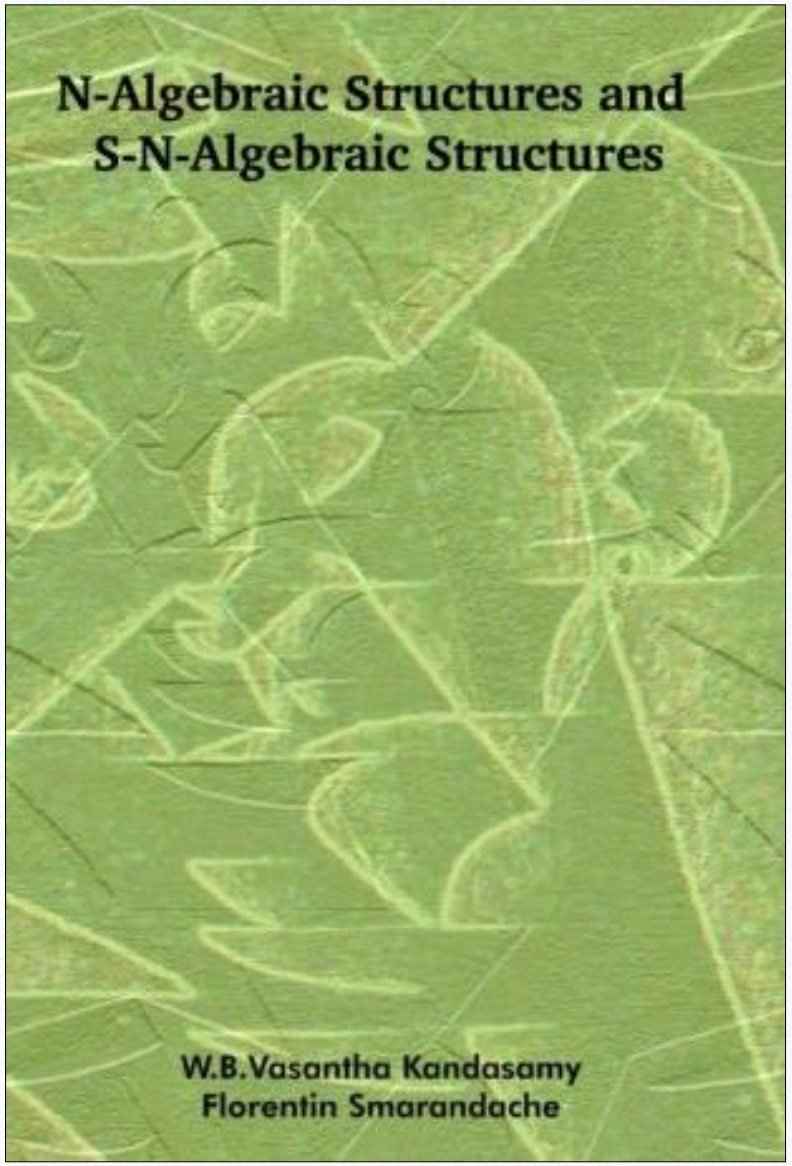


W. B. Vasantha Kandasamy, Florentin Smarandache, K. Ilanthenral: **Applications of Bimatrices to some Fuzzy and Neutrosophic Models.** Phoenix, AZ, USA: Hexis, 2005, 273 p.

Keywords: Neutrosophic cycle, Neutrosophic dynamical bisystem, Neutrosophic graph, Neutrosophic matrix, Neutrosophic maximal connected, Neutrosophic open, Neutrosophic oriented graph, Neutrosophic relational bimap (NRBM), Neutrosophic relational map, (NRM), Neutrosophic relational matrix of NRM, Neutrosophic row bivector, Neutrosophic subbigraph connected bigraph, Neutrosophic subgraph.

Graphs and matrices play a vital role in the analysis and study of several of the real world problems which are based only on unsupervised data. The fuzzy and neutrosophic tools like fuzzy cognitive maps invented by Kosko and neutrosophic cognitive maps introduced by us help in the analysis of such real world problems and they happen to be mathematical tools which can give the hidden pattern of the problem under investigation. This book, in order to generalize the two models, has systematically invented mathematical tools like bimatrices, trimatrices, n-matrices, bigraphs, trigraphs and n-graphs and describe some of its properties. These concepts are also extended neutrosophically in this book. This book gives some new types of Fuzzy and Neutrosophic models which can analyze problems in a revolutionary way. The new notions of bigraphs, bimatrices and their generalizations are used to build these models which will be helpful to analyze time dependent problems or problems which need stage-by-stage comparison of more than two experts. The models expressed here can be considered as generalizations of Fuzzy Cognitive Maps and Neutrosophic Cognitive Maps.

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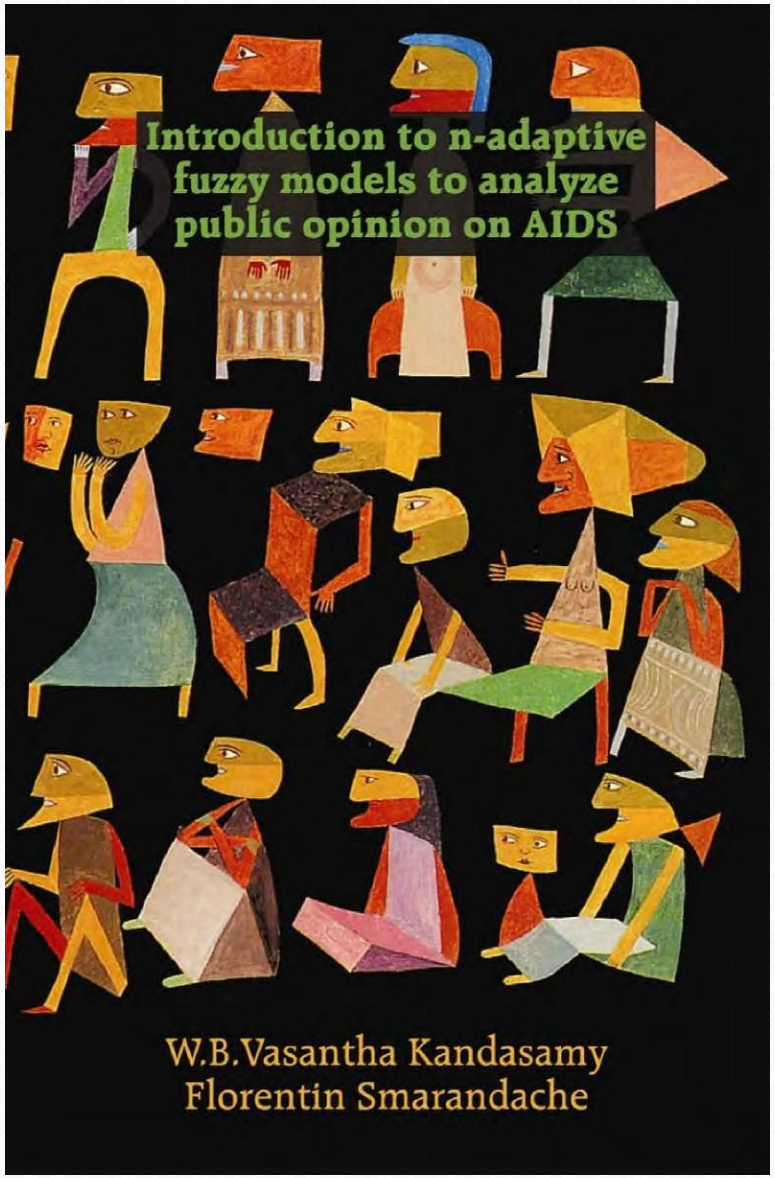


W. B. Vasantha Kandasamy, Florentin Smarandache: **N-Algebraic Structures and S-N-Algebraic Structures.** Phoenix, AZ, USA: Hexis, 2005, 209 p.

Keywords: N-algebraic structure, S-mixed algebraic structures, N-groupoids, S-N-groupoids, N-groups, N-loops, Smarandache N-loops.

In this book, for the first time the authors introduce the notions of N-groups, N-semigroups, N-loops and N-groupoids. They also define a mixed N-algebraic structure. The book is organized into six chapters. The first chapter gives the basic notions of S-semigroups, S-groupoids and S-loops thereby making the book self-contained. Chapter two introduces N-groups and their Smarandache analogues. In chapter three, N-loops and Smarandache N-loops are introduced and analyzed. Chapter four defines N-groupoids and S-N-groupoids. Since the N-semigroup structures are sandwiched between groups and groupoids, the study can be carried out without any difficulty. Mixed N-algebraic structures and S-mixed algebraic structures are given in chapter five. Some problems are suggested in chapter six. It is pertinent to mention that several exercises and problems (Some in the form of proof to the theorems are given in all the chapters.) A reader who attempts to solve them will certainly gain a sound knowledge about these concepts. The authors have given 50 problems for the reader to solve in chapter 6. The main aim of this book is to introduce new concepts and explain them with examples there by encouraging young mathematics to pursue research in this direction. Several theorems based on the definition can be easily proved with simple modification. Innovative readers can take up that job. Also these notions find their applications in automaton theory and coloring problems.

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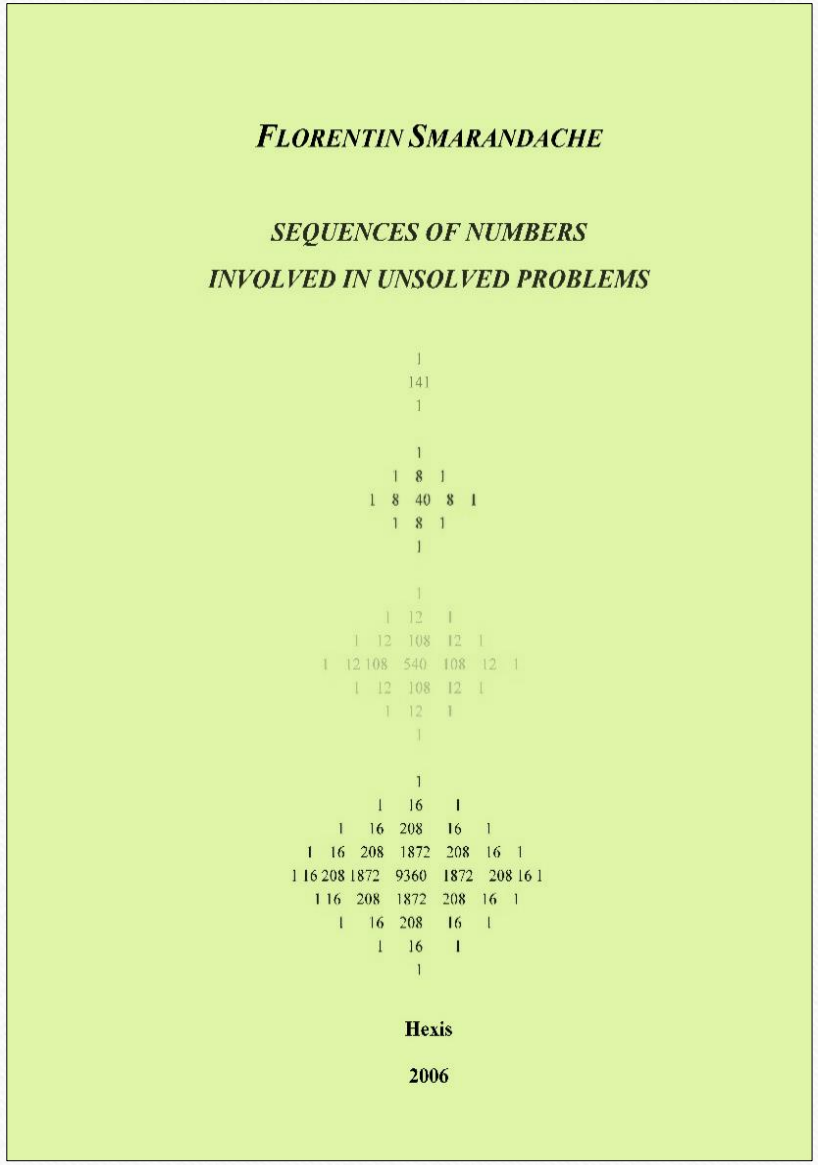


W. B. Vasantha Kandasamy, Florentin Smarandache: **Introduction to N-Adaptive Fuzzy Models to Analyze Public Opinion on AIDS.** Phoenix, AZ, USA: Hexis, 2006, 235 p.

Keywords: Fuzzy matrix, Fuzzy Relational Maps (FRMs), BAM Model, HIV/AIDS, Fuzzy Associative Memories, 2-Adaptive Fuzzy Model.

People living with HIV/AIDS have always been victims of the most extreme forms of social discrimination. They are stereotyped and stigmatized, and are seen as people outside the 'general population'. In this book, the authors use mathematical tools to attempt an understanding of public awareness and attitude towards people living with HIV/AIDS. Here, for the first time, a new model, called n-adaptive fuzzy model, has been introduced. This model has the capacity to analyze the same problem in different ways thereby arriving at various solutions that mirror multiple perspectives. This book has five chapters and 6 appendices. The first chapter just recalls the definition of four fuzzy models used in this book and gives illustration of some of them. Chapter two introduces the new n-adaptive fuzzy models. Chapter three uses for the first time 2 adaptive fuzzy models to study psychological and sociological problems about HIV/AIDS. Chapter four gives an outline of the interviews. Chapter five gives the suggestions and conclusion based on the study. Of the 6 appendices four of them are C-program made to make the working of the fuzzy model simple.

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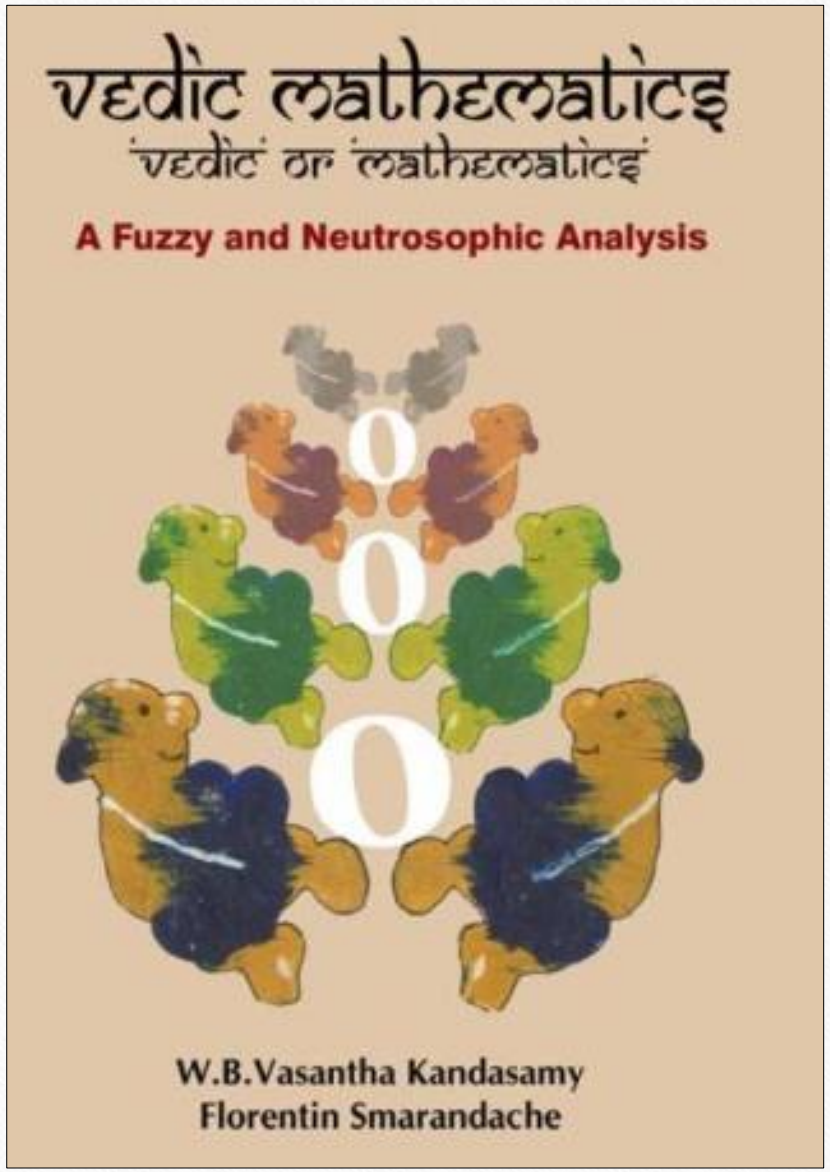


Florentin Smarandache: **Sequences of numbers involved in unsolved problems.** Phoenix, AZ, USA: Hexis, 2006, 139 p.

Keywords: Anti-Prime Function, Anti-Coprime Function, Special Functional Iteration of First Kind, Smarandacheials, Smarandache-Kurepa Function, Infinite Product, Jung's Theorem, Smarandache-Wagstaff Function, Smarandache Ceil Function of Second Order.

Over 300 sequences and many unsolved problems and conjectures related to them are presented herein. The book contains definitions, unsolved problems, questions, theorems, corollaries, formulae, conjectures, examples, mathematical criteria, etc. (on integer sequences, numbers, quotients, residues, exponents, sieves, pseudo-primes/squares/cubes/factorials, almost primes, mobile periodicals, functions, tables, prime/square/factorial bases, generalized factorials, generalized palindromes, etc.).

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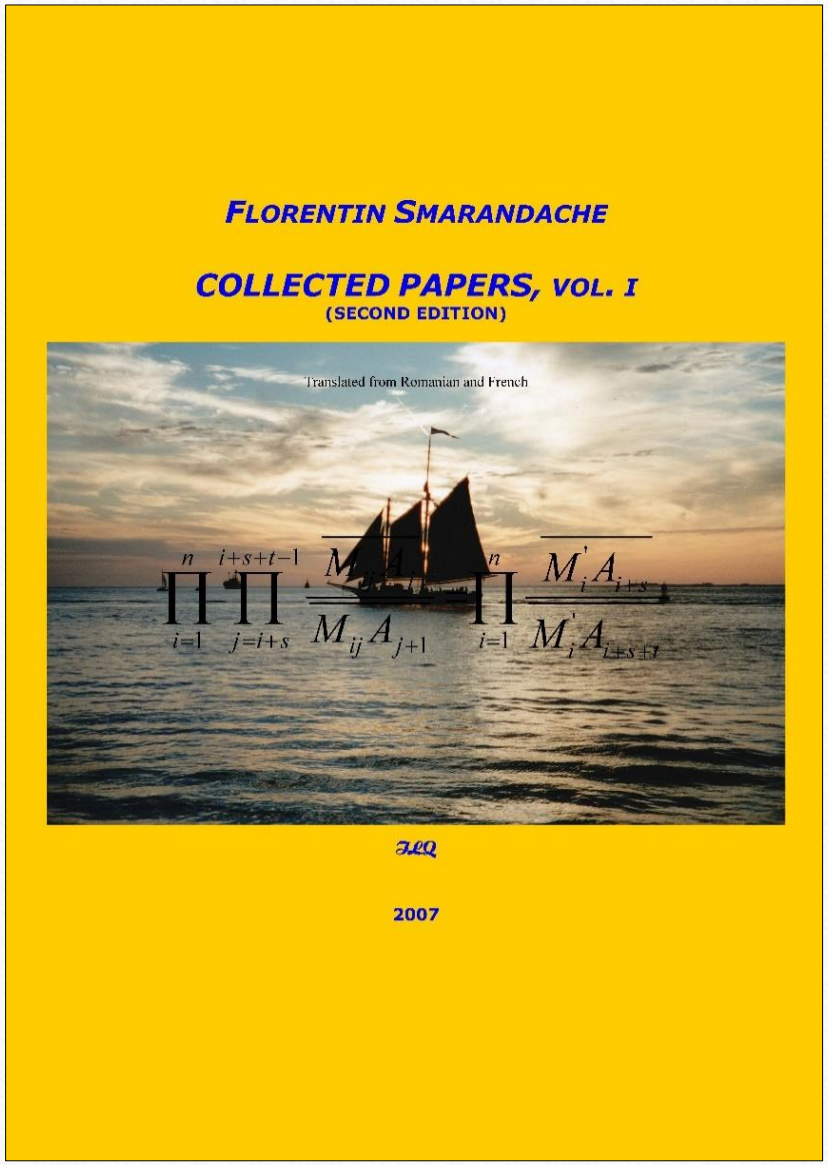


W. B. Vasantha Kandasamy, Florentin Smarandache: **Vedic Mathematics - 'Vedic' or 'Mathematics': A Fuzzy & Neutrosophic Analysis.** Los Angeles, CA, USA: Automaton, 2006, 220 p.

Keywords: Vedas, Hinduism, Vedic Mathematics, Fuzzy Cognitive Maps (FCM), Fuzzy Relational Maps (FRM), Fuzzy Dynamical System, Neutrosophic Dynamical System.

The Vedas are considered divine in origin and are assumed to be revelations from God. In traditional Hinduism, the Vedas were to be learnt only by the upper caste Hindus. The lower castes (Sudras) and so-called untouchables (who were outside the Hindu social order) were forbidden from even hearing to its recitation. In recent years, there have been claims that the Vedas contain the cure to AIDS and the production of electricity. Here the authors probe into Vedic Mathematics (that gained renown during the revivalist Hindutva rule in India and was introduced into school syllabus in several states); and explore if it is really Vedic in origin or Mathematics in content. To gain a better understanding of its imposition, we interviewed students, teachers, parents, educationists and activists. We analyze this problem using models like Fuzzy Cognitive Maps (FCM), Fuzzy Relational Maps (FRM) and newly constructed Fuzzy Dynamical System (and their Neutrosophic Analogues). The issue of imposition of Vedic Mathematics into the school curriculum involves religious politics, caste supremacy, apart from elementary arithmetic so we use fuzzy and neutrosophic techniques to gain acute insight into how students have been affected because of this politically motivated syllabus revision.

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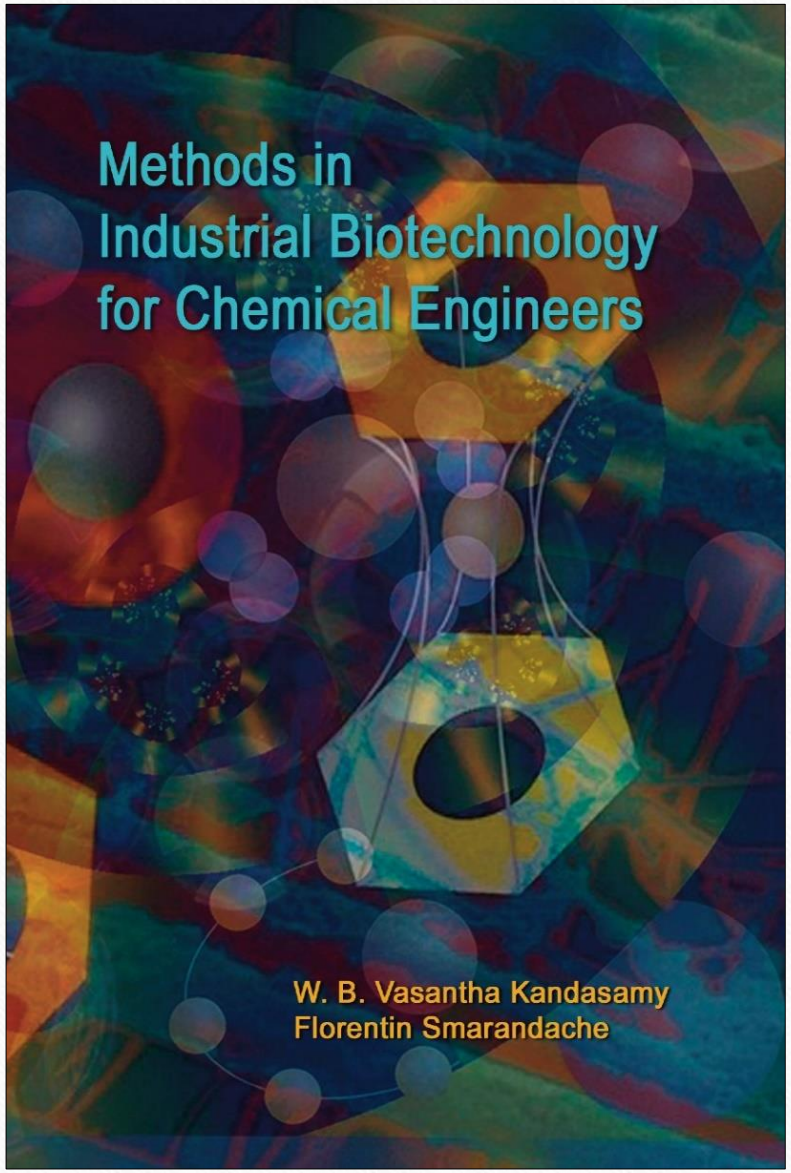
Florentin Smarandache: **Collected Papers. First volume.** *Second edition. Translated from Romanian and French.* Ann Arbor, MI, USA: InfoLearnQuest, 2007, 227 p.

Keywords: Diophantine Equation, Congruence, Carmichaël's Conjecture, Nonlinear Equations, Trigonometrique Function, Homogene Systems, Primality, Hölder Inequality, Minkowski Inequality, Tchebychev Inequality.

Articles, notes, generalizations, paradoxes, miscellaneous in mathematics, linguistics, and education about a numerical function in congruence theory, a general theorem for the characterization of n prime numbers simultaneously, a method to solve the diophantine equation, some stationary sequences, Carmichaël's conjecture, a property for a counterexample to Carmichaël's conjecture, an Erdös' open problems, and so on.

Some papers not included in the volume were confiscated by the Secret Police in September 1988, when the author left Romania. He spent 19 months in a Turkish political refugee camp, and immigrated to the United States in March 1990. Despite the efforts of his friends, the papers were not recovered.

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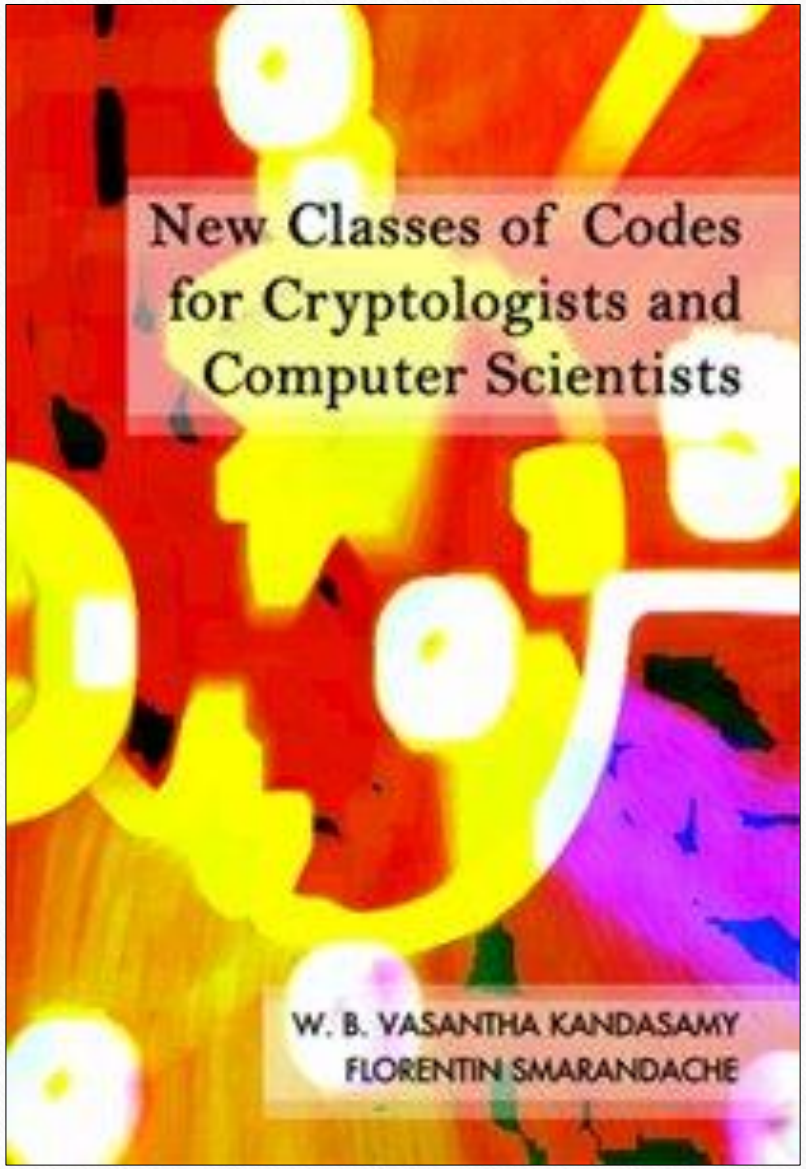


W. B. Vasantha Kandasamy, Florentin Smarandache: **Methods in Industrial Biotechnology for Chemical Engineers**. Los Angeles, CA, USA: InfoLearnQuest, 2008, 125 p.

Keywords: Biotechnology, Green Alternative, Genetic Manipulation, Safety, Ethics, Welfare.

Biotechnology has been considered as one important means of restimulating the economy whether on a local, regional national or even global basis using new biotechnological methods and new raw materials. Much of modern biotechnology has been developed and utilized by large companies and corporations. However many small and medium sized companies are realizing that biotechnology is not a science of the future but provides real benefits to their industry today. In many industries traditional technology can produce compounds causing environmental damage whereas biotechnology methods can offer a green alternative promoting a positive public image and also avoiding new environmental penalties. Biotechnology is high technology par excellence. Science has defined the world in which we live and biotechnology in particular will become an essential and accepted activity of our culture. Biotechnology offers a great deal of hope for solving many of the problems our world faces! As stated in the Advisory Committee on Science and Technology Report Developments in Biotechnology, public perception of biotechnology will have a major influence on the rate and direction of developments and there is growing concern about genetically modified products. Associated with genetic manipulation are diverse question of safety, ethics and welfare.

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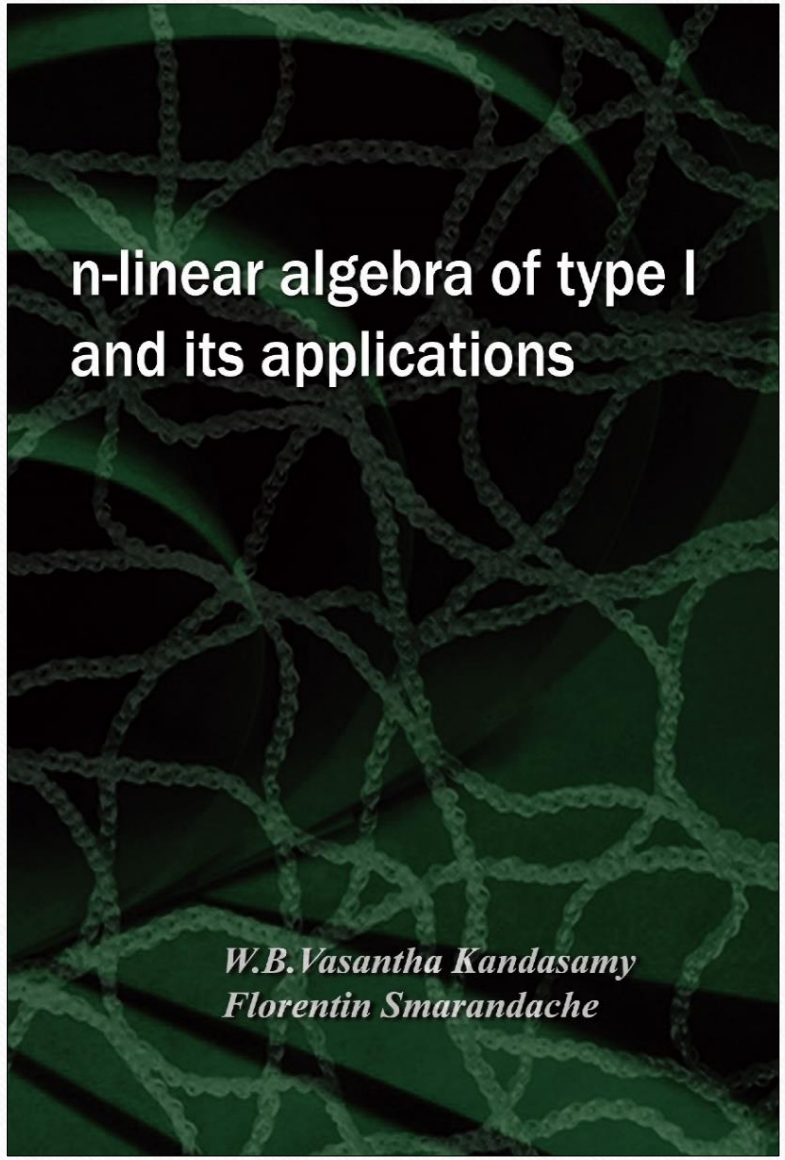


W. B. Vasantha Kandasamy, Florentin Smarandache: **New Classes of Codes for Cryptologists and Computer Scientists**. Ann Arbor, MI, USA: InfoLearnQuest, 2008, 206 p.

Keywords: Linear Code, Bimatrices, Bicodes, Error Detection, Error Correction, n-Codes, Cryptologists, Periyar Linear Codes.

Historically a code refers to a cryptosystem that deals with linguistic units: words, phrases etc. We do not discuss such codes in this book. Here codes are message carriers or information storages or information transmitters which in time of need should not be decoded or read by an enemy or an intruder. When we use very abstract mathematics in using a specific code, it is difficult for non-mathematicians to make use of it. At the same time, one cannot compromise with the capacity of the codes. So the authors in this book have introduced several classes of codes which are explained very non-technically so that a strong foundation in higher mathematics is not needed. The authors also give an easy method to detect and correct errors that occur during transmission. Further some of the codes are so constructed to mislead the intruder. False n-codes, whole n-codes can serve this purpose. These codes can be used by computer scientists in networking and safe transmission of identity thus giving least opportunity to the hackers. These codes will be a boon to cryptologists as very less mathematical background is needed. To honour Periyar on his 125th birth anniversary and to recognize his services to humanity the authors have named a few new classes of codes in his name. This book has three chapters. Chapter one is introductory in nature. The notion of bicodes and their generalization, n-codes are introduced in chapter two. Periyar linear codes are introduced in chapter three.

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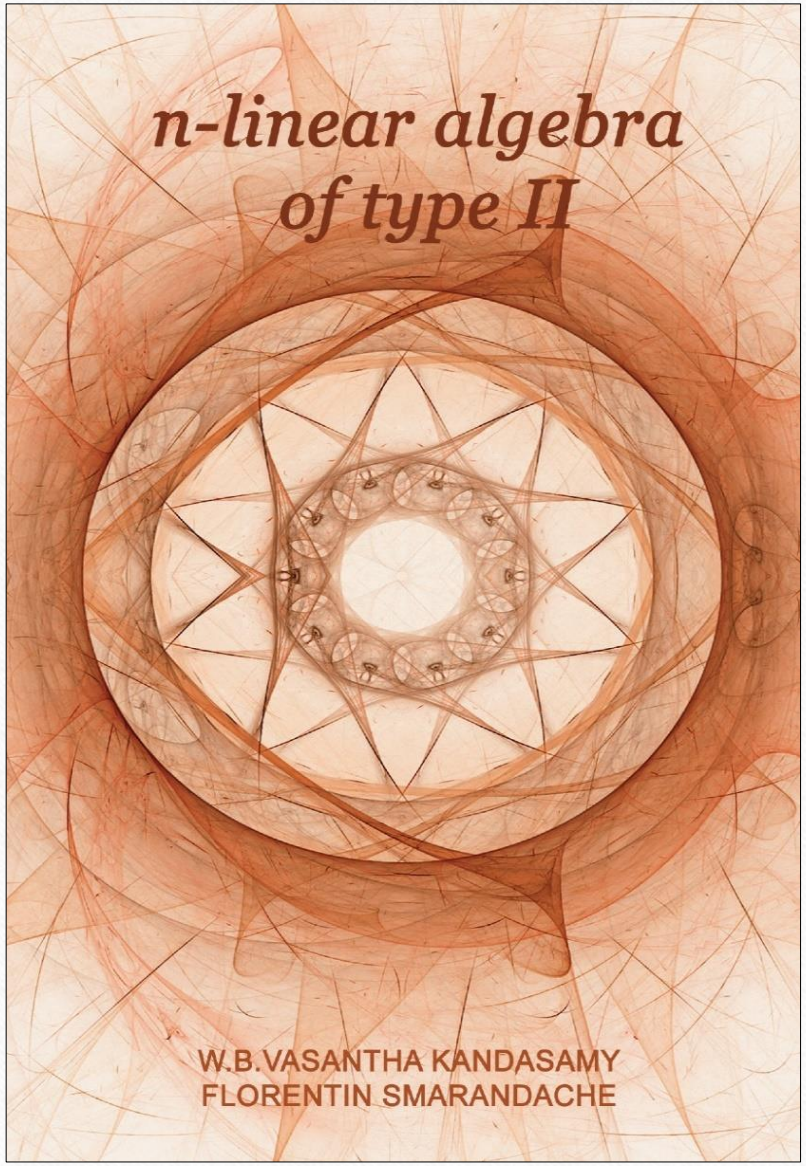


W. B. Vasantha Kandasamy, Florentin Smarandache: **n-Linear Algebra of Type I and its Applications**. Ann Arbor, MI, USA: InfoLearnQuest, 2008, 120 p.

Keywords: Algebraic Structures, n-Linear Algebras, n-Markov chains, n-Leontief models Fuzzy Cognitive Maps, Fuzzy Relational Equations, Bidirectional Associative Memories.

With the advent of computers one needs algebraic structures that can simultaneously work with bulk data. One such algebraic structure namely n-linear algebras of type I are introduced in this book and its applications to n-Markov chains and n-Leontief models are given. These structures can be thought of as the generalization of bilinear algebras and bivector spaces. Several interesting n-linear algebra properties are proved. This book has four chapters. The first chapter justintroduces n-group which is essential for the definition of n-vector spaces and n-linear algebras of type I. Chapter two gives the notion of n-vector spaces and several related results which are analogues of the classical linear algebra theorems. In case of n-vector spaces we can define several types of linear transformations. The notion of n-best approximations can be used for error correction in coding theory. The notion of n-eigen values can be used in deterministic modal superposition principle for undamped structures, which can find its applications in finite element analysis of mechanical structures with uncertain parameters. Further it is suggested that the concept of nmatrices can be used in real world problems which adopts fuzzy models like Fuzzy Cognitive Maps, Fuzzy Relational Equations and Bidirectional Associative Memories.

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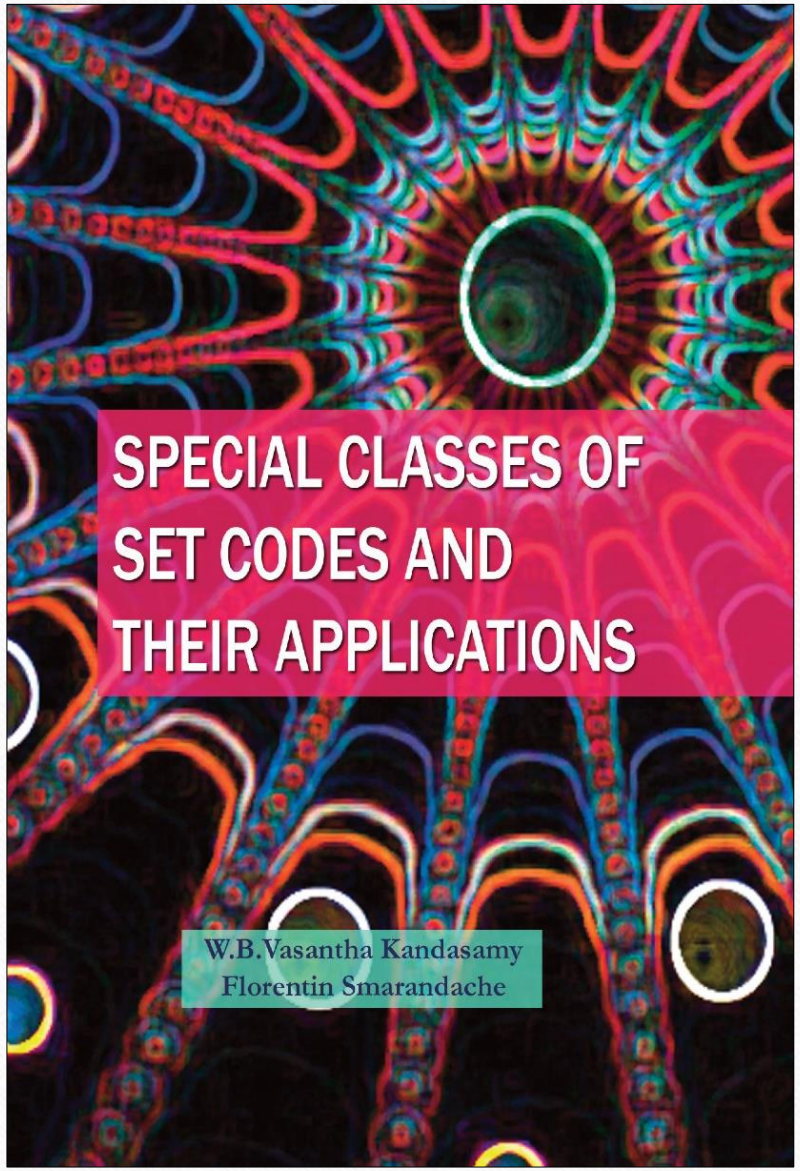


W. B. Vasantha Kandasamy, Florentin Smarandache: **n-Linear Algebra of Type II**.
Ann Arbor, MI, USA: InfoLearnQuest, 2008, 229 p.

Keywords: Linear Algebra, Linear Functionals, Vector Spaces, Finite Fields, Neigen Values, Polynomials.

This book is a continuation of the book n-linear algebra of type I and its applications. Most of the properties that could not be derived or defined for n-linear algebra of type I is made possible in this new structure: n-linear algebra of type II which is introduced in this book. In case of n-linear algebra of type II, the authors define linear functionals which is one of the marked difference between the n-vector spaces of type I and II. However all the applications mentioned in n-linear algebras of type I can be appropriately extended to n-linear algebras of type II. Another use of n-linear algebra (n-vector spaces) of type II is that when this structure is used in coding theory one can have different types of codes built over different finite fields whereas this is not possible in the case of n-vector spaces of type I. Finally in the case of n-vector spaces of type II one can obtain neigen values from distinct fields; hence, the n-characteristic polynomials formed in them are in distinct different fields. An attractive feature of this book is that the authors have suggested 120 problems for the reader to pursue in order to understand this new notion.

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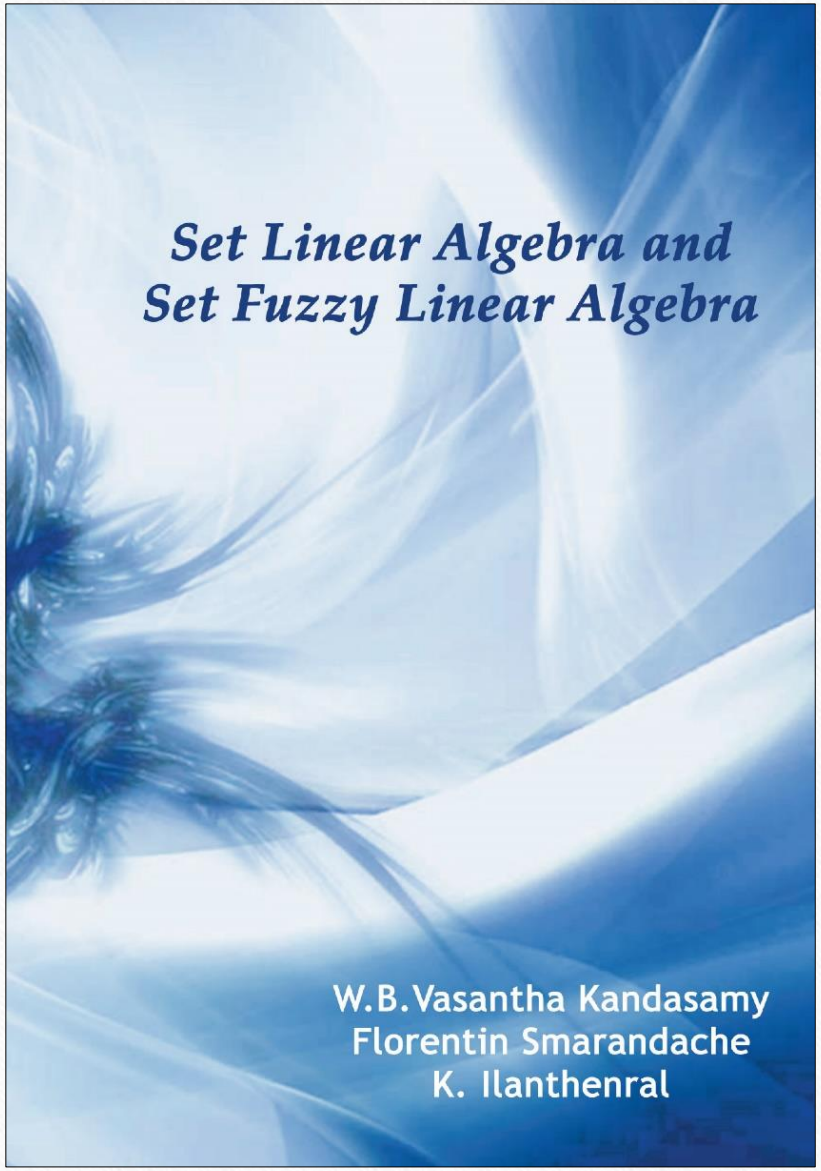


W. B. Vasantha Kandasamy, Florentin Smarandache: **Special Classes of Set Codes and Their Applications**. Ann Arbor, MI, USA: InfoLearnQuest, 2008, 167 p.

Keywords: Set Codes, Set Bicodes, n-Codes, Semigroup, Cryptography, Computer Networking, Data Storage.

In this book the authors introduce the notion of set codes, set bicodes and set n-codes. These are the most generalized notions of semigroup n-codes and group n-codes. Several types of set n-codes are defined. Several examples are given to enable the reader to understand the concept. These new classes of codes will find applications in cryptography, computer networking (where fragmenting of codes is to be carried out) and data storage (where confidentiality is to be maintained). We also describe the error detection and error correction of these codes. The authors feel that these codes would be appropriate to the computer-dominated world. This book has three chapters. Chapter One gives basic concepts to make the book a self-contained one. In Chapter Two, the notion of set codes is introduced. The set bicodes and their generalization to set n-codes ($n \geq 3$) is carried out in Chapter Three. This chapter also gives the applications of these codes in the fields mentioned above. Illustrations of how these codes are applied are also given.

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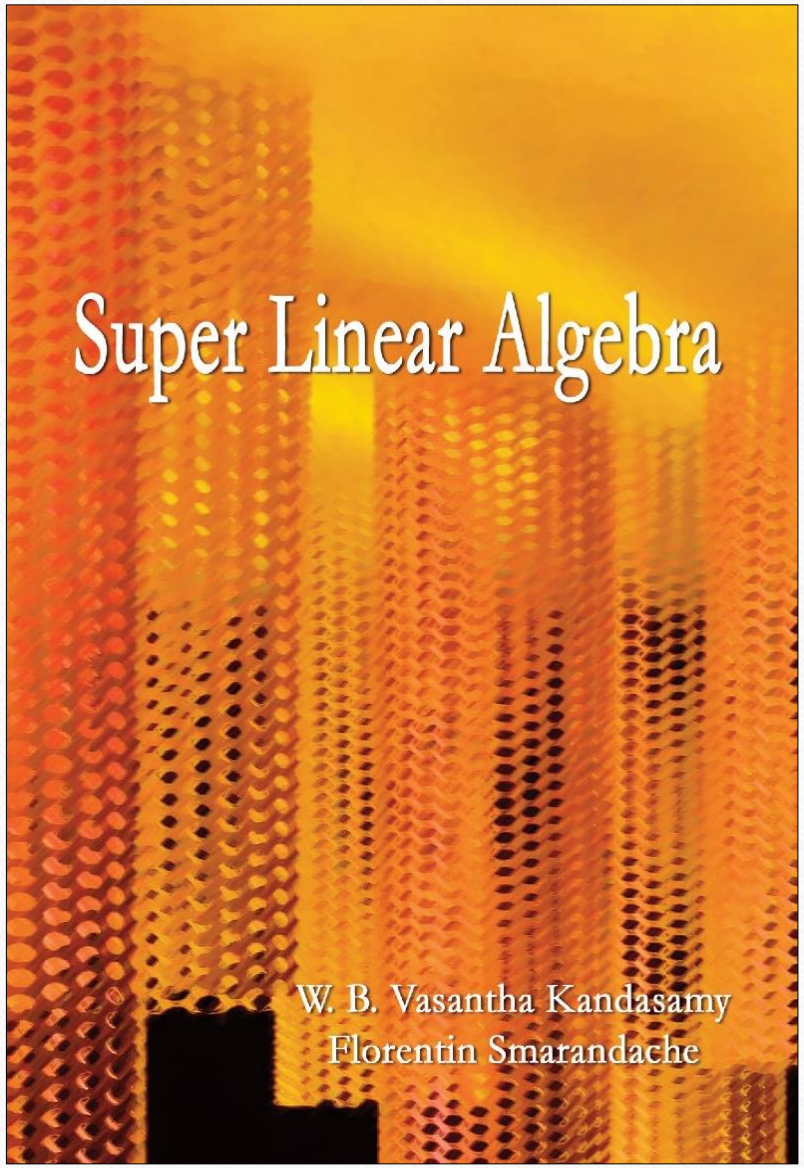


W. B. Vasantha Kandasamy, Florentin Smarandache, K. Ilanthenral: **Set Linear Algebra and Set Fuzzy Linear Algebra**. Ann Arbor, MI, USA: InfoLearnQuest, 2008, 344 p.

Keywords: Set Linear Algebras, Set Vector Spaces, Algebraic Operations, Fuzzy Parallels, Coding, Cryptology, Set Bivector Spaces.

In this book, the authors define the new notion of set vector spaces which is the most generalized form of vector spaces. Set vector spaces make use of the least number of algebraic operations, therefore, even a non-mathematician is comfortable working with it. It is with the passage of time, that we can think of set linear algebras as a paradigm shift from linear algebras. Here, the authors have also given the fuzzy parallels of these new classes of set linear algebras. This book abounds with examples to enable the reader to understand these new concepts easily. Laborious theorems and proofs are avoided to make this book approachable for non-mathematicians. The concepts introduced in this book can be easily put to use by coding theorists, cryptologists, computer scientists, and socio-scientists. Another special feature of this book is the final chapter containing 304 problems. The authors have suggested so many problems to make the students and researchers obtain a better grasp of the subject.

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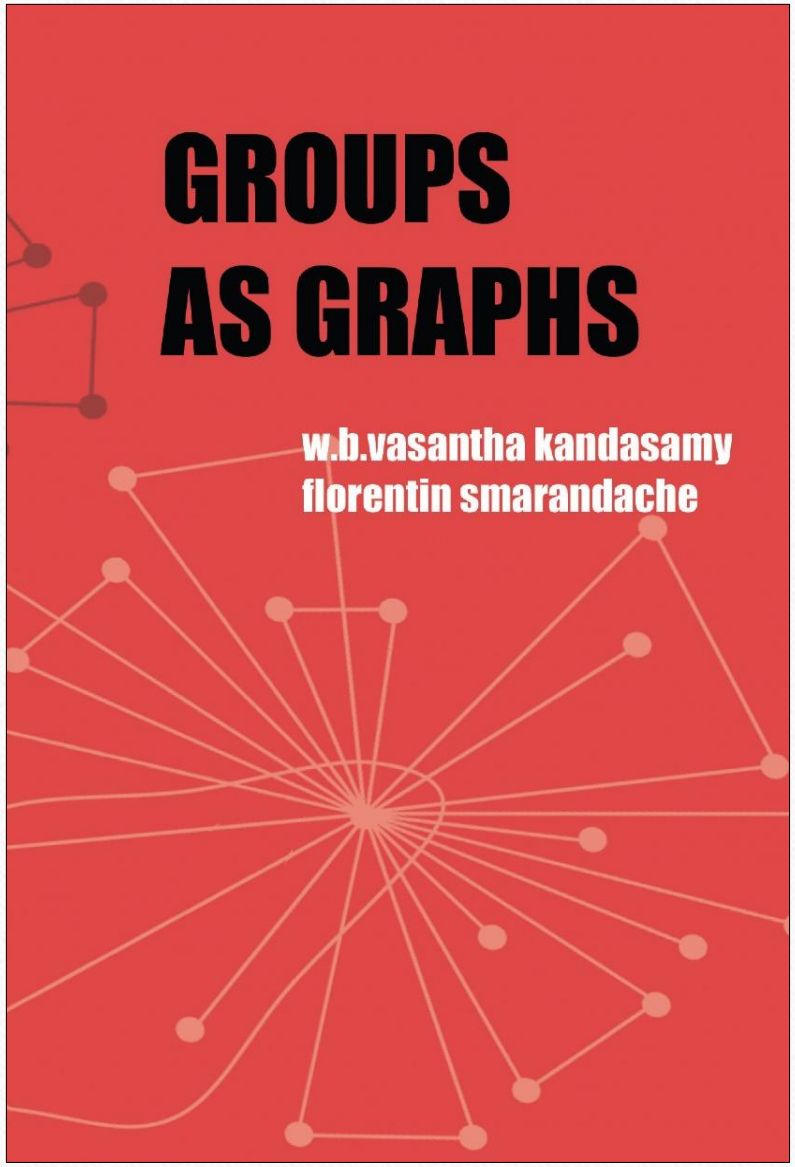


W. B. Vasantha Kandasamy, Florentin Smarandache: **Super Linear Algebra**. Los Angeles, CA, USA: InfoLearnQuest, 2008, 293 p.

Keywords: Super Linear Algebra, Super Vector Spaces, Super Inner Product Spaces, Super Bilinear Forms, Markov Chains, Leontief Economic Models.

In this book, the authors introduce the notion of Super linear algebra and super vector spaces using the definition of super matrices defined by Horst (1963). This book expects the readers to be well-versed in linear algebra. Many theorems on super linear algebra and its properties are proved. Some theorems are left as exercises for the reader. These new class of super linear algebras which can be thought of as a set of linear algebras, following a stipulated condition, will find applications in several fields using computers. The authors feel that such a paradigm shift is essential in this computerized world. Some other structures ought to replace linear algebras which are over a century old. Super linear algebras that use super matrices can store data not only in a block but in multiple blocks so it is certainty more powerful than the usual matrices. This book has 3 chapters. Chapter one introduces the notion of super vector spaces and enumerates a number of properties. Chapter two defines the notion of super linear algebra, super inner product spaces and super bilinear forms. Several interesting properties are derived. The main application of these new structures in Markov chains and Leontief economic models are also given in this chapter. The final chapter suggests 161 problems mainly to make the reader understand this new concept and apply them.

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W. B. Vasantha Kandasamy, Florentin Smarandache: **Groups as Graphs**. Slatina, Romania: CuArt, 2009, 168 p.

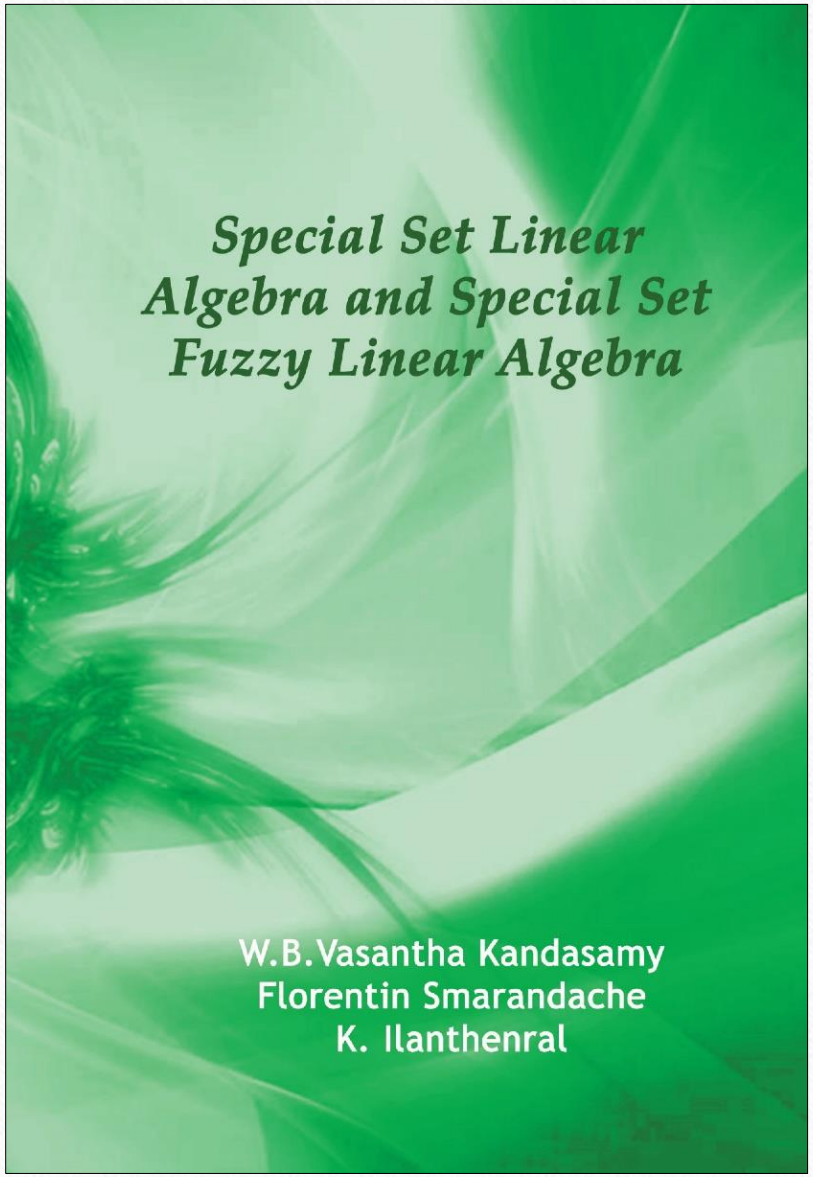
Keywords: Rooted Trees, Identity Graphs, Algebraic Structures, Semigroups, Loops, Finite Commutative Ring.

Through this book, for the first time the authors represent every finite group in the form of a graph. The authors choose to call these graphs as identity graph, since the main role in obtaining the graph is played by the identity element of the group.

This study is innovative because through this description one can immediately look at the graph and say the number of elements in the group G which are self-inversed. Also study of different properties like the subgroups of a group, normal subgroups of a group, p-sylow subgroups of a group and conjugate elements of a group are carried out using the identity graph of the group in this book.

Merely for the sake of completeness the authors have defined similar type of graphs for algebraic structures like commutative semigroups, loops, commutative groupoids and commutative rings.

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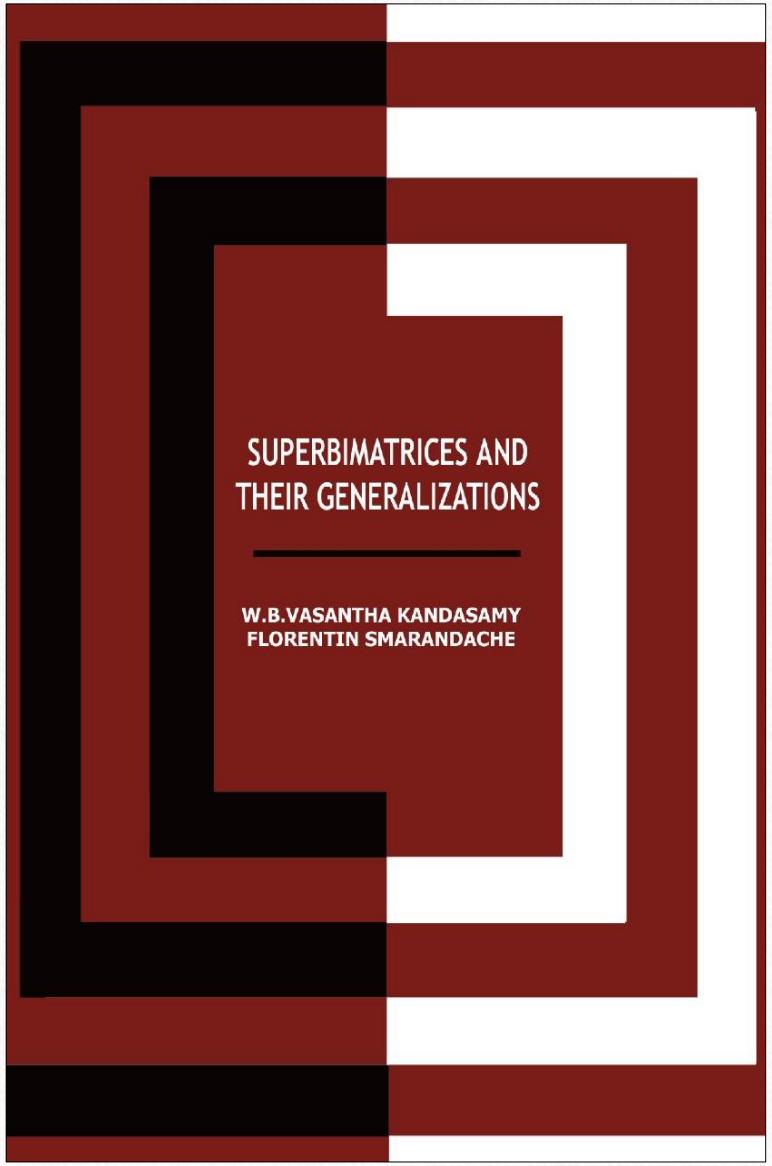
W. B. Vasantha Kandasamy, Florentin Smarandache, K. Ilanthenral: **Special Set Linear Algebra and Special Set Fuzzy Linear Algebra**. Slatina, Romania: CuArt, 2009, 467 p.

Keywords: Algebraic Structures, Special Set Linear Algebra, Special Set Fuzzy Linear Algebra, Vector Spaces.

This book for the first time introduces the notion of special set linear algebra and special set fuzzy linear algebra. This is an extension of the book set linear algebra and set fuzzy linear algebra. These algebraic structures basically exploit only the set theoretic property, hence in applications one can include a finite number of elements without affecting the systems property. These new structures are not only the most generalized structures but they can perform multi task simultaneously; hence they would be of immense use to computer scientists.

This book has five chapters. In chapter one the basic concepts about set linear algebra is given in order to make this book a self contained one. The notion of special set linear algebra and their fuzzy analogue is introduced in chapter two. In chapter three the notion of special set semigroup linear algebra is introduced. The concept of special set n-vector spaces, n greater than or equal to three is defined and their fuzzy analogue is given in chapter four. The probable applications are also mentioned. The final chapter suggests 66 problems.

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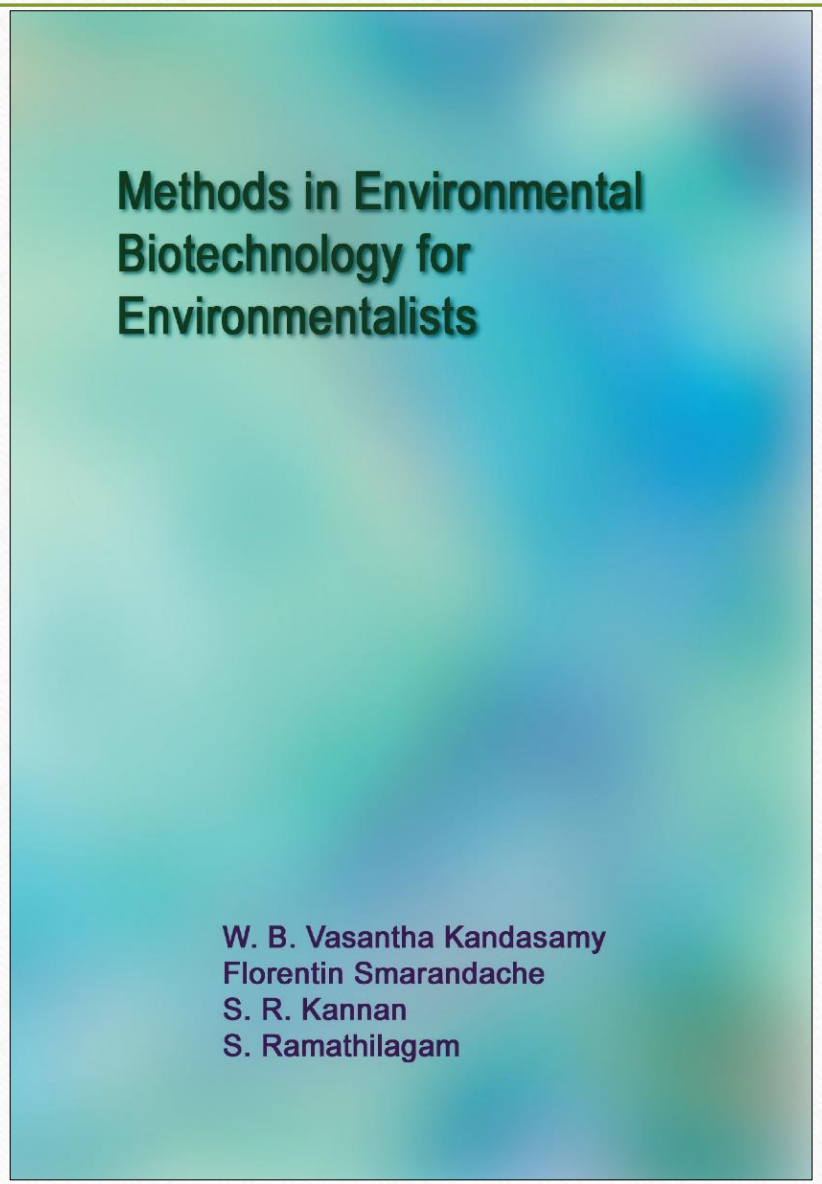


W. B. Vasantha Kandasamy, Florentin Smarandache: **Superbimatrices and Their Generalizations**. Slatina, Romania: CuArt, 2009, 410 p.

Keywords: Algebraic Structures, Super Linear Algebra, Supermatrices, Fuzzy Models, Leontief Economic Models, Data-Storage, Super Trimatrices, Super n-Matrices.

The systematic study of supermatrices and super linear algebra has been carried out in 2008. These new algebraic structures find their applications in fuzzy models, Leontief economic models and data-storage in computers. In this book the authors introduce the new notion of superbimatrices and generalize it to super trimatrices and super n-matrices. Study of these structures is not only interesting and innovative but is also best suited for the computerized world. The main difference between simple bimatrices and super bimatrices is that in case of simple bimatrices we have only one type of product defined on them, whereas in case of superbimatrices we have different types products called minor and major defined using them. This book has four chapters. Chapter one describes the basics concepts to make this book a self contained one. Superbimatrices, semi superbimatrices, symmetric superbimatrices are introduced in chapter two. Chapter three introduces the notion of super trimatrices and the products defined using them. Chapter four gives the most generalized form of superbimatrix, viz. super n-matrix. This book has given several examples so as to make the reader understand this new concept. Further minor and major by product defined using these new concepts are illustrated by examples. These algebraic structures are best suited in data storage in computers.

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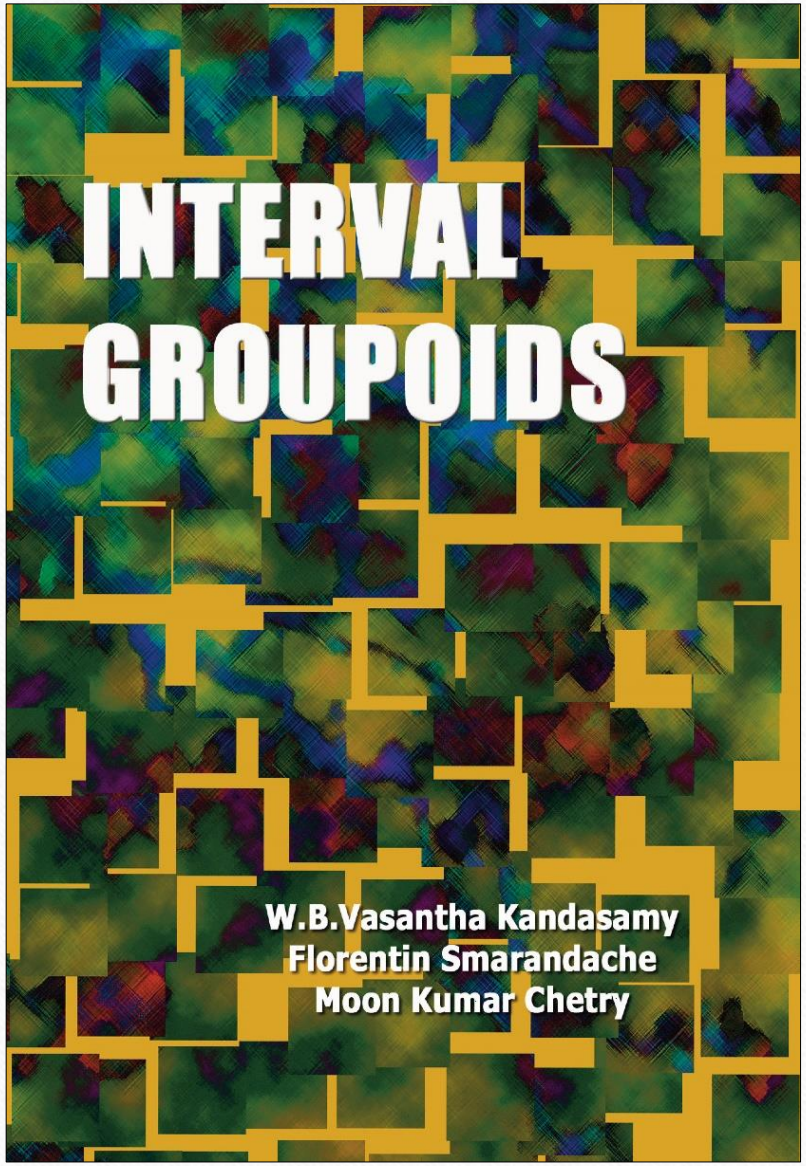


W. B. Vasantha Kandasamy, Florentin Smarandache, S. R. Kannan, S. Ramathilagam: **Methods in Environmental Biotechnology for Environmentalists**. Ann Arbor, MI, USA: InfoLearnQuest, 2010, 144 p.

Keywords: Fuzzy Control Theory, Hierarchical Genetic Fuzzy Control Algorithm, Chemicals, Cement, Dyeing, Safety, Environment.

The study of environmental pollution by chemicals used in agriculture as pesticide or as fertilizers or pollution caused by industries and chemical plants which use chemicals have not been analysed systematically. This book has five chapters. First chapter is introductory in nature. Here the authors just study chemical pollution caused by garment industries in chapter two of this book using fuzzy associative memories. In chapter three the authors give ways to control pollution by improving the system performance using hierarchical genetic fuzzy control algorithm. This study is carried out using the past data reported by Shimada et al (1995). Health hazards suffered by the agriculture labourers; caused by the chemicals used as fertilizers and pesticides is analysed in chapter four using RTD matrices. Chapter five gives a method of minimization of SOx and NOx using fuzzy control theory in cement industries to reduce pollution. The reader is expected to have a good mathematical background to understand how these fuzzy techniques are adopted in analyzing the pollution problem.

Download from The Science Library at University of New Mexico – Gallup:
http://fs.unm.edu/EnvironmentalBiotech.pdf



W. B. Vasantha Kandasamy, Florentin Smarandache, Moon Kumar Chetry: **Interval Groupoids**. Ann Arbor, MI, USA: InfoLearnQuest, 2010, 240 p.

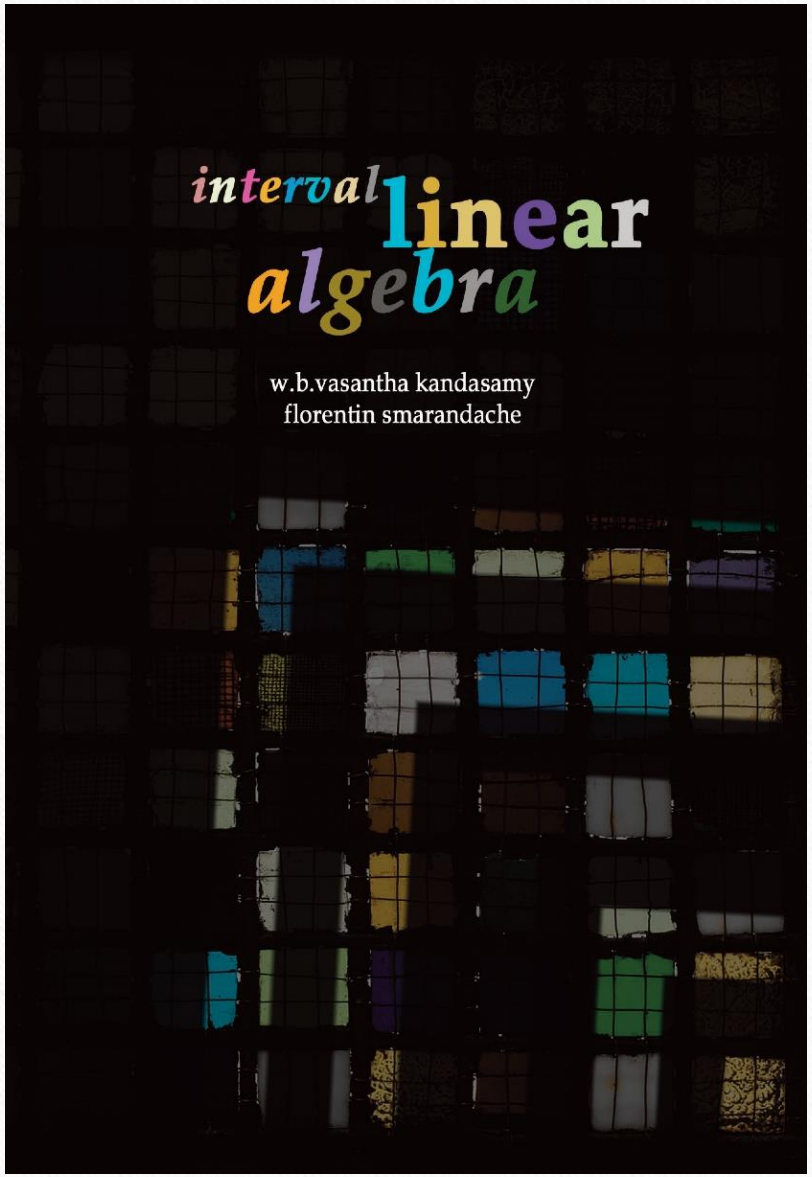
Keywords: Groupoid, Polynomial Groupoids, Matrix Groupoids, Interval Groupoids, Polynomial Interval Groupoids, Matrix Interval Groupoids, Neutrosophic study.

This book introduces several new classes of groupoid, like polynomial groupoids, matrix groupoids, interval groupoids, polynomial interval groupoids, matrix interval groupoids and their neutrosophic analogues.

This book has five chapters. Chapter one is introductory in nature. In chapter two new classes of groupoids and interval groupoids are defined and described. The analogous neutrosophic study is carried out in chapter three. The applications of this new structure is given in chapter four. The final chapter suggests more than 200 problems.

This book has given 77 new definitions, 426 examples of these new notions and over 150 theorems.

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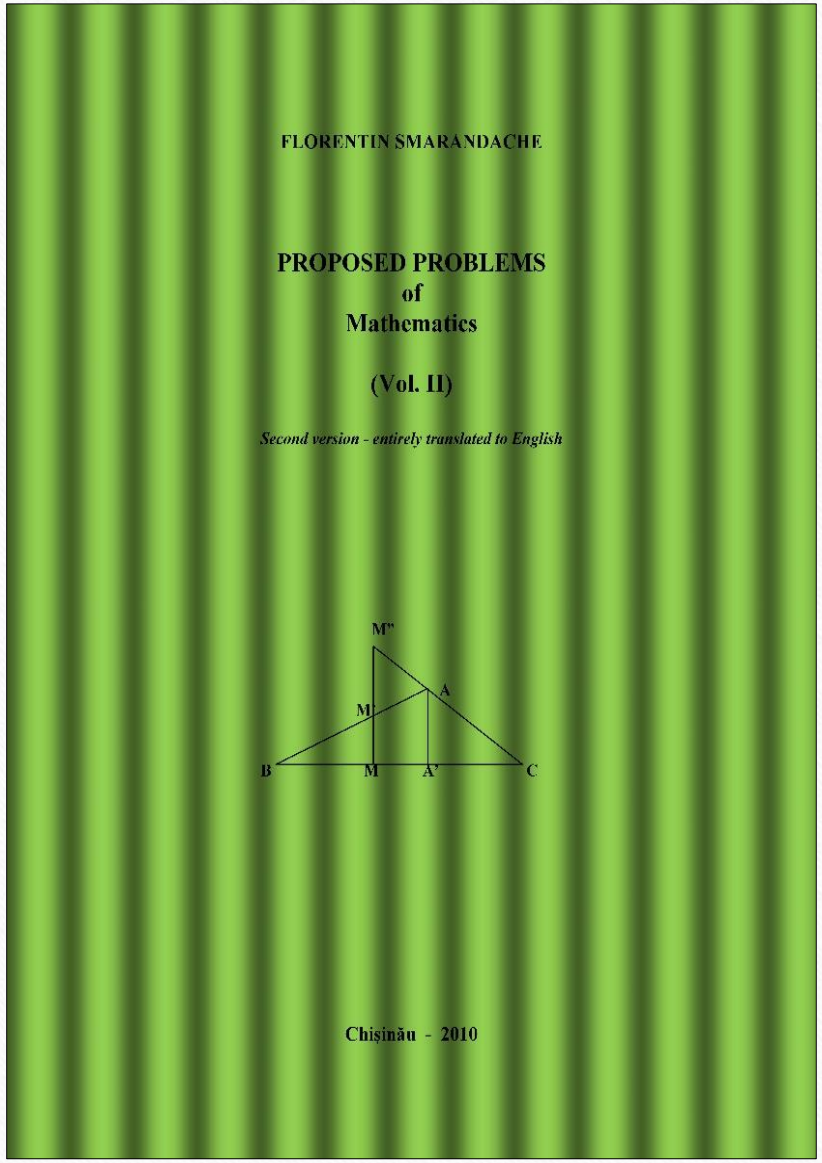


W. B. Vasantha Kandasamy, Florentin Smarandache: **Interval Linear Algebra**. Glendale, AZ, USA: Kappa & Omega, 2010, 247 p.

Keywords: Interval Arithmetic, Interval Mathematics, Computation, Interval Algebraic Structures, Semigroups, Groups, Interval Polynomials, Interval Matrices.

This Interval arithmetic or interval mathematics developed in 1950's and 1960's by mathematicians as an approach to putting bounds on rounding errors and measurement error in mathematical computations. However no proper interval algebraic structures have been defined or studies. In this book the authors for the first time introduce several types of interval linear algebras and study them. This structure has become indispensable for these concepts will find applications in numerical optimization and validation of structural designs. In this book the authors use only special types of intervals and introduce the notion of different types of interval linear algebras and interval vector spaces. A systematic development is made starting from set interval vector spaces to group interval vector spaces. Vector spaces are taken as interval polynomials or interval matrices or just intervals over suitable sets or semigroups or groups. Main feature of this book is the authors have given over 350 examples.

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Florentin Smarandache: **Proposed Problems of Mathematics**. *Second volume. Second edition. Translated to English by the author*. Chişinău, Moldova: Universitatea de Stat din Moldova, 2010, 73 p.

Keywords: Amusing Problems, Arithmetics, Mathematical Logic, Trigonometry, Geometry, Calculus, Algebra.

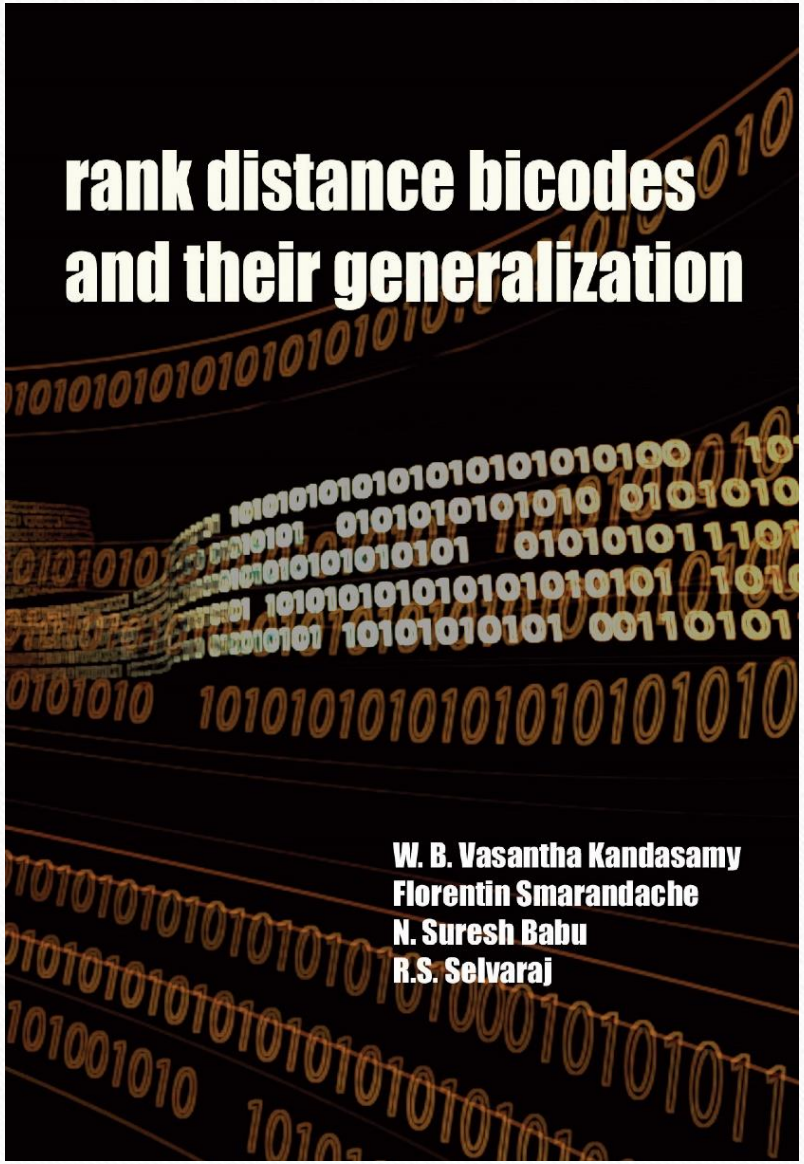
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Mathematical problems for student competitions, translated from Romanian and French into English. The first book of "Problèmes avec et sans … problèmes!" was published in Morocco in 1983.

Excerpts:

I collected these problems that I published in various Romanian or foreign magazines (amongst which: "Gazeta Matematică", magazine which formed me as problem solver, "American Mathematical Monthly", "Crux Mathematicorum" (Canada), "Elemente der Mathematik" (Switzerland), "Gaceta Matematica" (Spain), "Nieuw voor Archief" (Holland), etc. while others are new proposed problems in this second volume. These have been created in various periods: when I was working as mathematics professor in Romania (1984-1988), or co-operant professor in Morocco (1982-1984), or emigrant in the USA (1990-1997).

– Florentin Smarandache

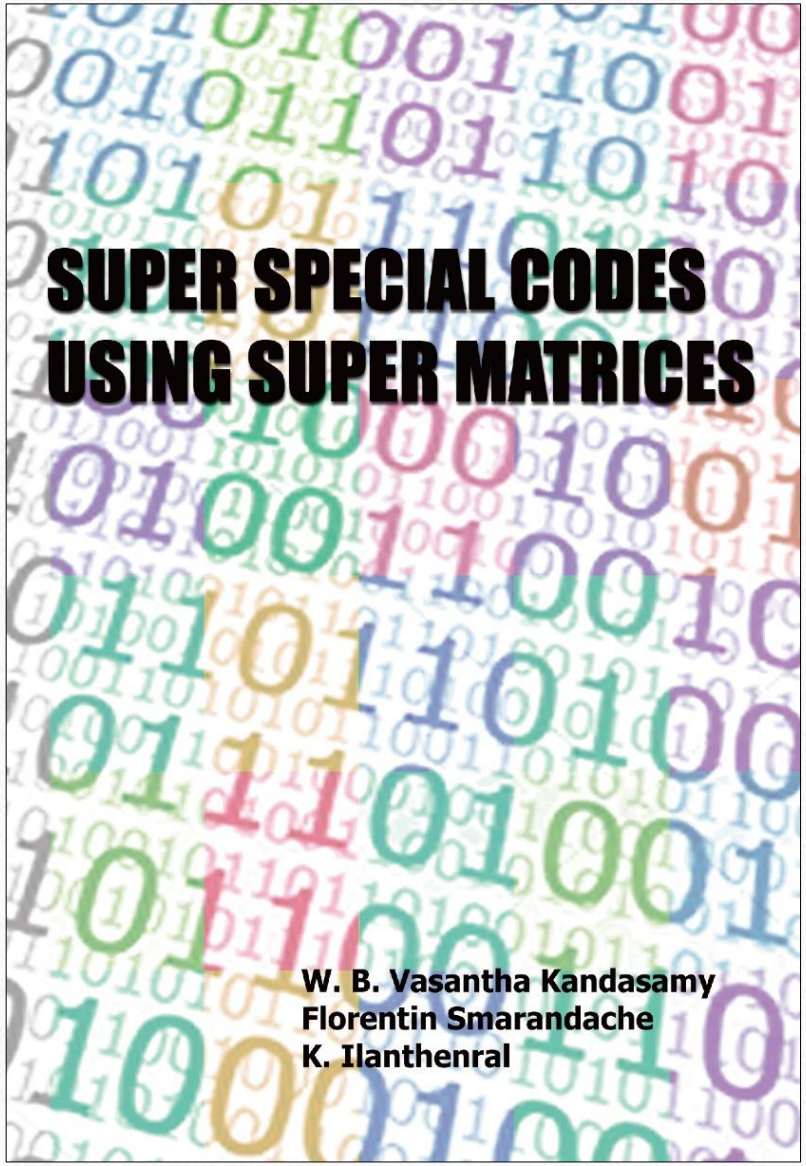


W. B. Vasantha Kandasamy, Florentin Smarandache, N. Suresh Babu, R.S. Selvaraj: **Rank Distance Bicodes and Their Generalization**. Stockholm, Sweden: Svenska fysikarkivet, 2010, 150 p.

Keywords: Rank Distance, Rank Distance n-Codes, m-Codes, m-Cryptosystems, Data Multi (m)-Storage Systems, Semicyclic Circulant Rank Bicode, Circulant Rank Bicodes, Bidivisible Bicode.

In this book the authors introduce the new notion of rank distance bicodes and generalize this concept to Rank Distance n-codes (RD n-codes), n, greater than or equal to three. This definition leads to several classes of new RD bicodes like semi circulant rank bicodes of type I and II, semicyclic circulant rank bicode, circulant rank bicodes, bidivisible bicode and so on. It is important to mention that these new classes of codes will not only multitask simultaneously but also they will be best suited to the present computerised era. Apart from this, these codes are best suited in cryptography. This book has four chapters. In chapter one the authors just recall the notion of RD codes, MRD codes, circulant rank codes and constant rank codes and describe their properties. In chapter two the authors introduce few new classes of codes and study some of their properties. In this chapter the authors introduce the notion of fuzzy RD codes and fuzzy RD bicodes. Rank distance m-codes are introduced in chapter three and the property of m-covering radius is analysed. Chapter four indicates some applications of these new classes of codes.

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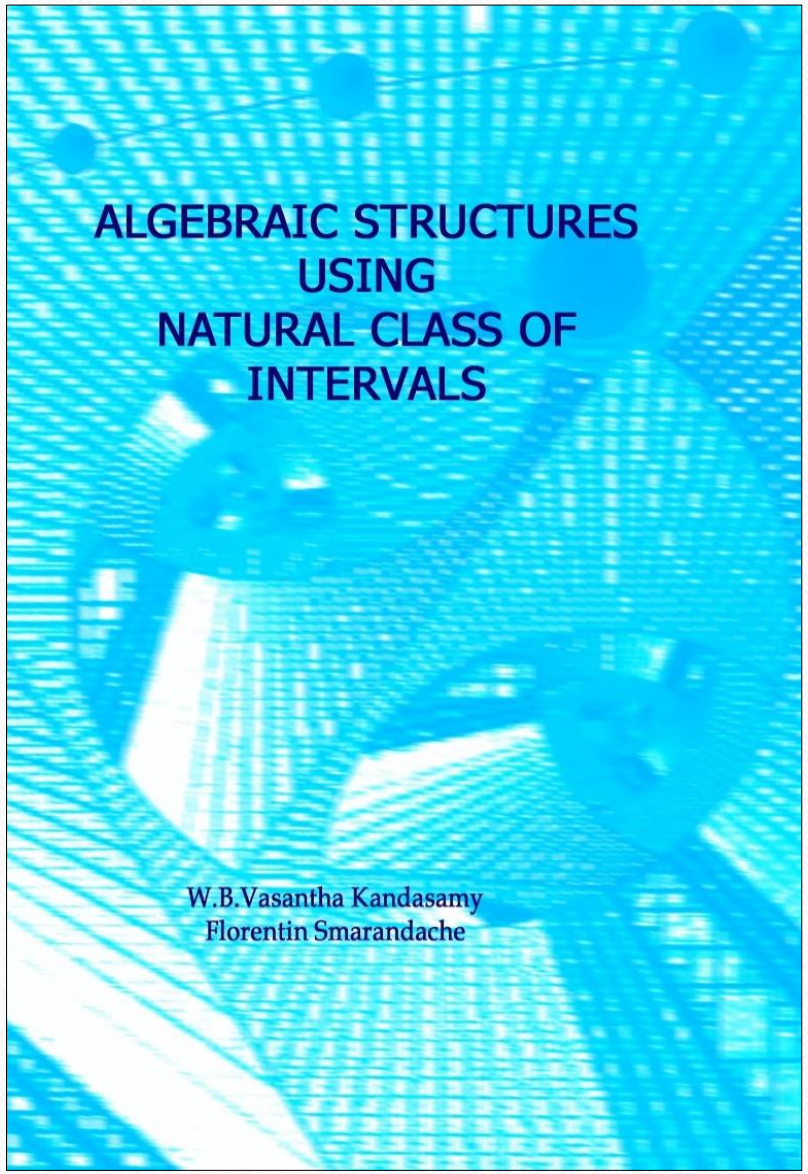
W. B. Vasantha Kandasamy, Florentin Smarandache, K. Ilanthenral: **Super Special Codes Using Super Matrices**. Stockholm, Sweden: Svenska fysikarkivet, 2010, 161 p.

Keywords: Supermatrices, Linear Codes, Super Special Vector Spaces, Concatenated Codes, Super Special Row Code, Super Special Column Code, Super Special Codes.

The new classes of super special codes are constructed in this book using the specially constructed super special vector spaces. These codes mainly use the super matrices. These codes can be realized as a special type of concatenated codes.

This book has four chapters. In chapter one basic properties of codes and super matrices are given. A new type of super special vector space is constructed in chapter two of this book. Three new classes of super special codes namely, super special row code, super special column code and super special codes are introduced in chapter three. Applications of these codes are given in the final chapter. These codes will be useful in cryptography, when ARQ protocols are impossible or very costly, in scientific experiments where stage by stage recording of the results are needed, can be used in bulk transmission of information and in medical fields. The reader should be familiar with both coding theory and in super linear algebras and super matrices.

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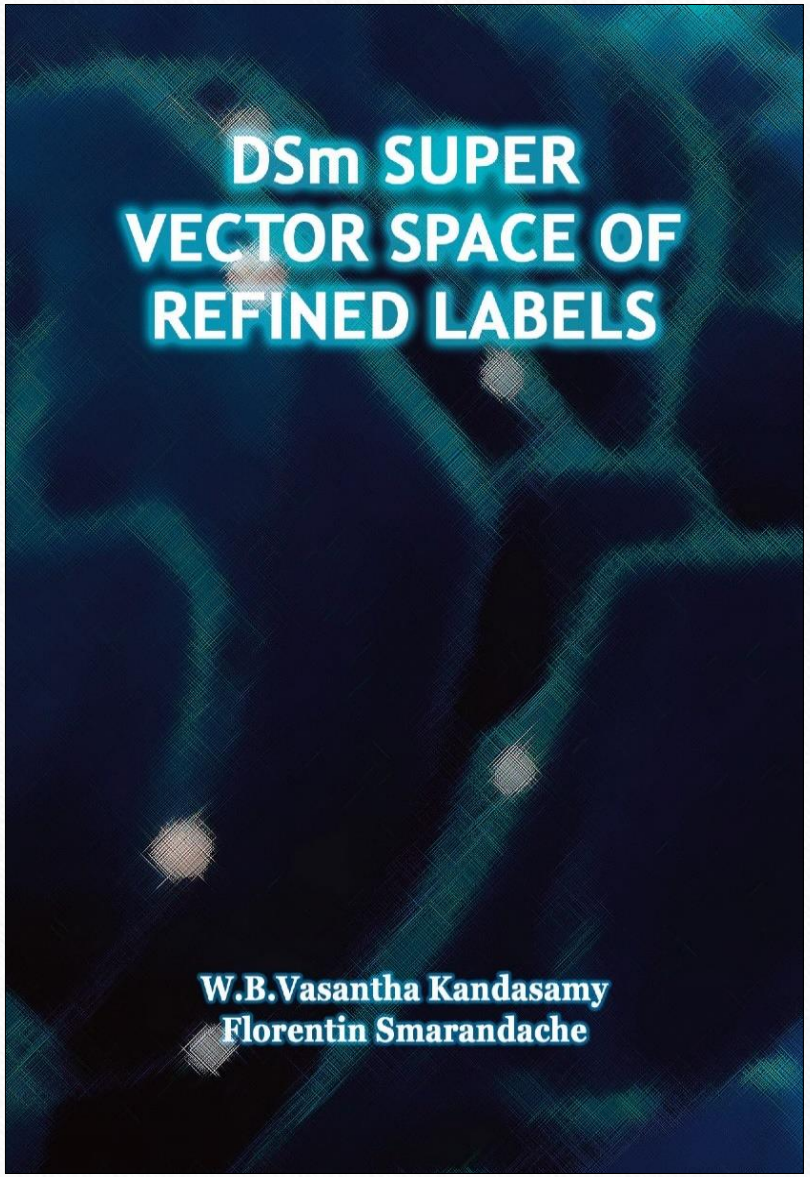


W. B. Vasantha Kandasamy, Florentin Smarandache: **Algebraic Structures Using Natural Class of Intervals**. Columbus, OH, USA: Educational Publisher, 2011, 170 p.

Keywords: Increasing Intervals, Decreasing Intervals, Semigroups, Natural Class Of Intervals, Rings, Matrix, Polynomial Intervals, Natural Intervals, Vector Spaces, Algebraic Structures, Fuzzy Natural Class Of Intervals, Neutrosophic Intervals.

Authors in this book introduce a new class of intervals called the natural class of intervals, also known as the special class of intervals or as natural intervals. These intervals are built using increasing intervals, decreasing intervals and degenerate intervals. We say an interval [a, b] is an increasing interval if a < b for any a, b in the field of reals R. An interval [a, b] is a decreasing interval if a > b and the interval [a, b] is a degenerate interval if a = b for a, b in the field of reals R. The natural class of intervals consists of the collection of increasing intervals, decreasing intervals and the degenerate intervals. Clearly R is contained in the natural class of intervals. If R is replaced by the set of modulo integers Zn, n finite then we take the natural class of intervals as [a, b] where a, b are in Zn and we do not say a < b or a > b for such ordering does not exist on Zn. The authors extend all the arithmetic operations without any modifications on the natural class of intervals. The natural class of intervals is closed under the operations addition, multiplication, subtraction and division.

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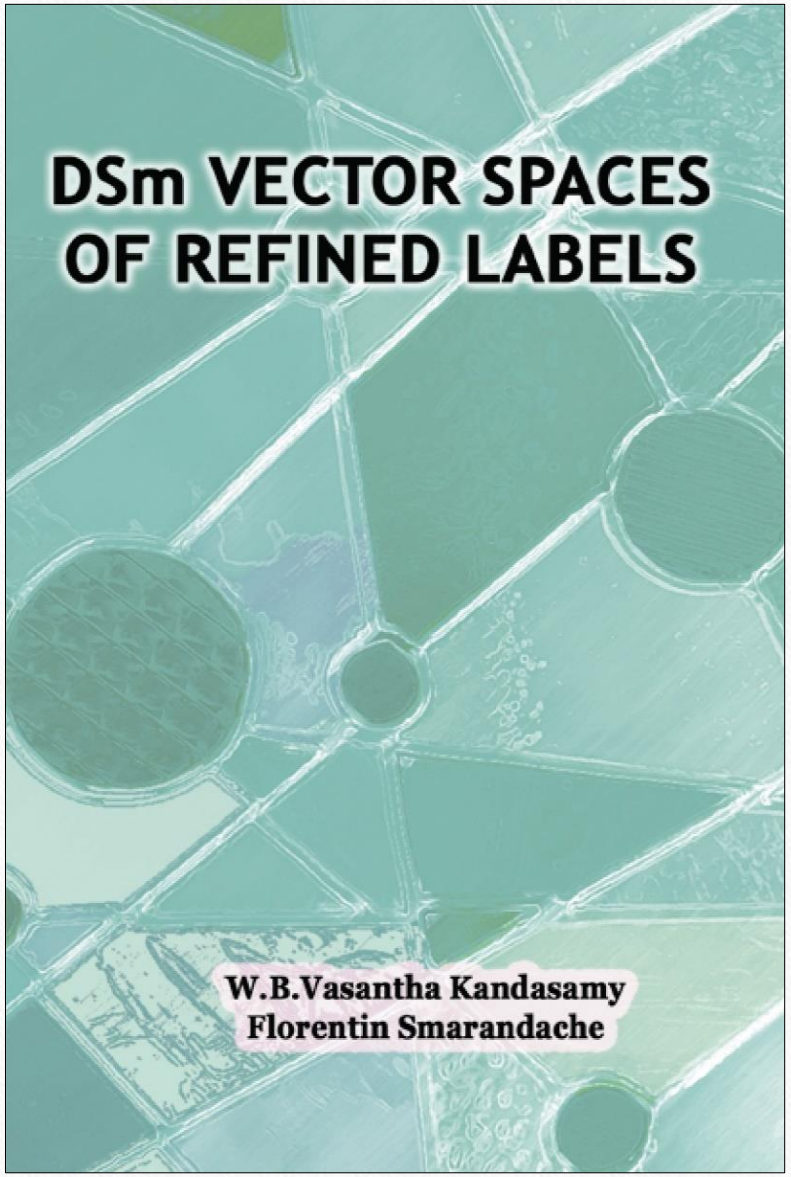
W. B. Vasantha Kandasamy, Florentin Smarandache: **DSm Super Vector Space of Refined Labels**. Columbus, OH, USA: Zip Publishing, 2011, 297 p.

Keywords: Supermatrices, Refined Labels, Row Matrix, Semigroup, Column Matrix, Super Vector Space, Semifield.

In this book authors for the first time introduce the notion of supermatrices of refined labels. Authors prove super row matrix of refined labels form a group under addition. However super row matrix of refined labels do not form a group under product; it only forms a semigroup under multiplication. In this book super column matrix of refined labels and m × n matrix of refined labels are introduced and studied.

The authors mainly study this to introduce to super vector space of refined labels using matrices. They introduce the notion of semifield of refined labels using which the authors define for the first time the notion of supersemivector spaces of refined labels. Several interesting properties in this direction are defined and derived. The authors suggest over hundred problems some of which are simple some at research level and some difficult. The authors give some applications.

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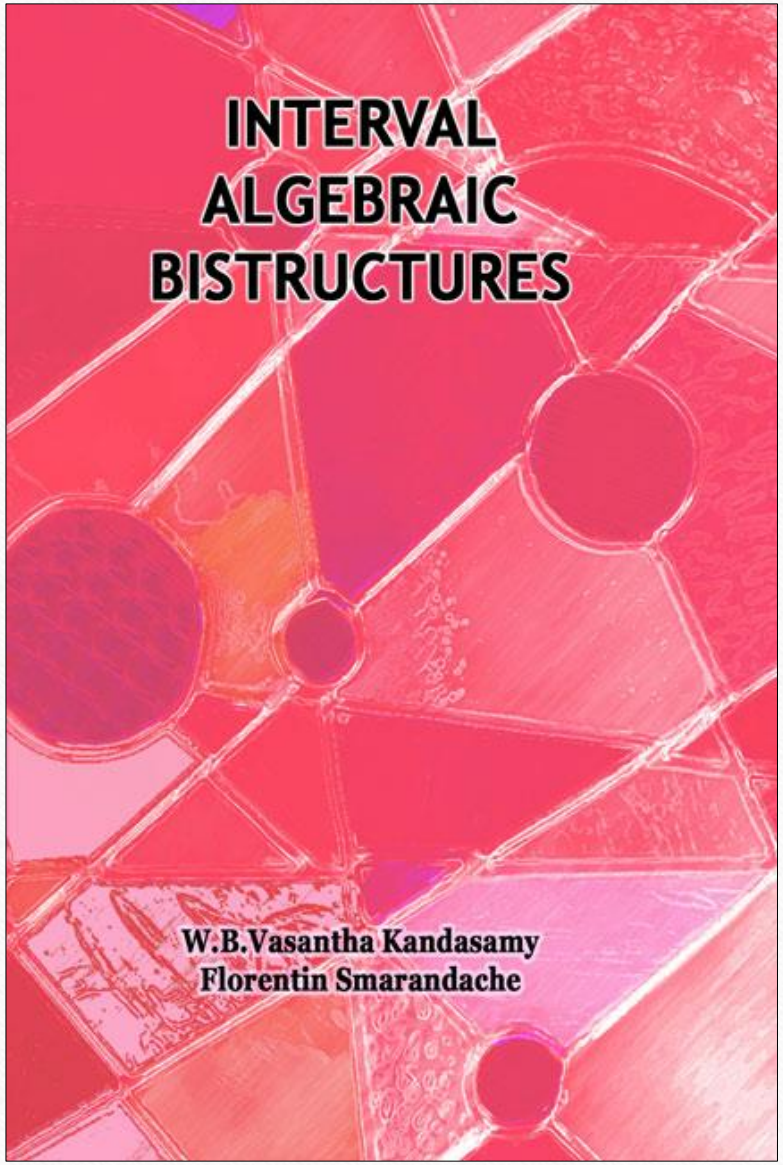
W. B. Vasantha Kandasamy, Florentin Smarandache: **DSm Vector Spaces of Refined Labels**. Columbus, OH, USA: Zip Publishing, 2011, 214 p.

Keywords: DSm Vector Spaces, DSm Semivector Spaces, Refined Labels, Ordinary Labels, Refined Plane.

The study of DSm linear algebra of refined labels have been done by Florentin Smarandache, Jean Dezert, and Xinde Li. In this book the authors introduce the notion of DSm vector spaces of refined labels.

This book has six chapters. The first one is introductory in nature just giving only the needed concepts to make this book a self contained one. Chapter two introduces the notion of refined plane of labels, the three dimensional space of refined labels DSm vector spaces. Clearly any n-dimensional space of refined labels can be easily studied as a matter of routine. This chapter defines the notion of DSm vector space of refined labels and it contains around 7 definitions, 47 examples and 33 theorems. The new notion of different types of special DSm vector spaces are described with 82 examples in chapter three. DSm semivector spaces of ordinary labels and refined labels are introduced and studied in chapter four. Chapter five suggests some applications of these new structures. Over 125 problems are given in chapter six; some of which are simple and some of them are at research level.

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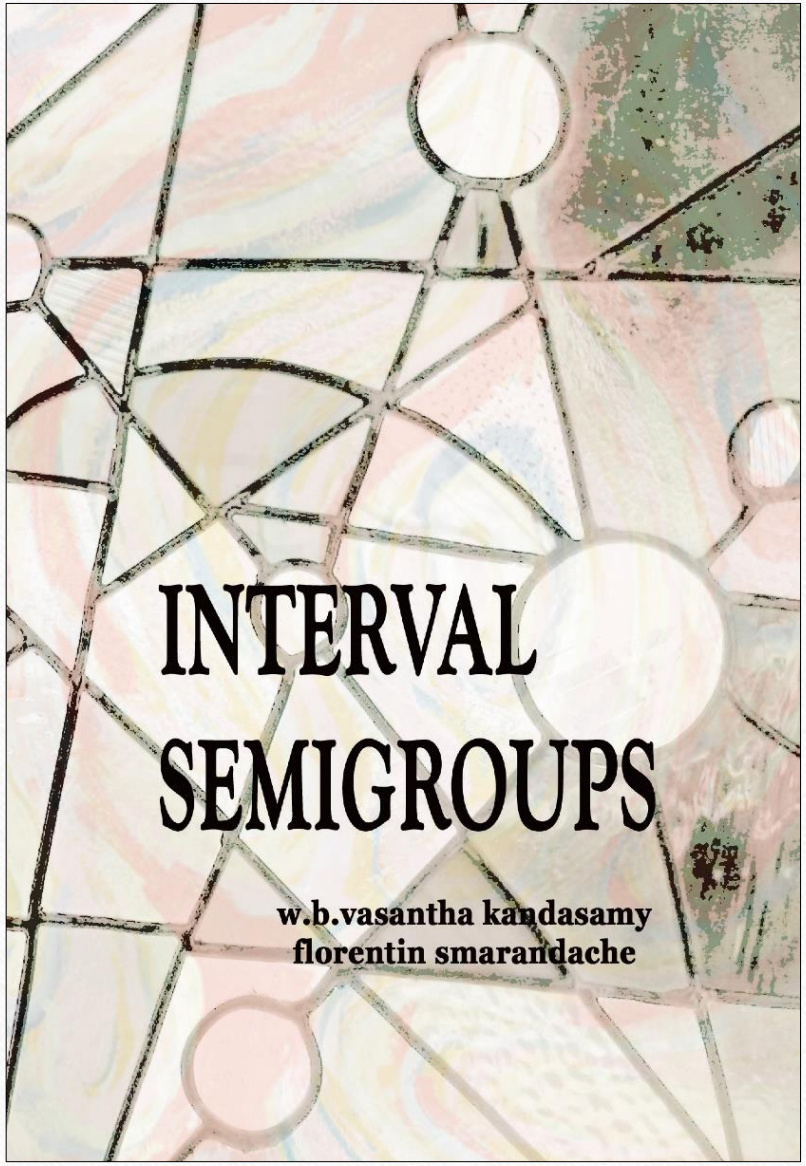
W. B. Vasantha Kandasamy, Florentin Smarandache: **Interval Algebraic Bistructures**. Columbus, OH, USA: Educational Publisher, 2011, 208 p.

Keywords: Interval Bistructures, Biinterval Structures, Interval Groups, Interval Loops, Interval Semigroups, Interval Groupoids, Interval Bisemigroup, Interval Bigroupoid, Interval Bigroup, Interval Biloops.

Authors in this book construct interval bistructures using only interval groups, interval loops, interval semigroups and interval groupoids. Several results enjoyed by these interval bistructures are described. By this method, the authors obtain interval bistructures which are associative or non associative or quasi associative.

This book has four chapters. In the first chapter interval bistructures (biinterval structures) such as interval bisemigroup, interval bigroupoid, interval bigroup and interval biloops are introduced. In chapter two n-interval structures are introduced. N-interval groupoids, n-interval semigroups, n-interval loops and so on are introduced and analysed. Using these notions n-interval mixed algebraic structure are defined and described. Some probable applications are discussed. The final chapter suggests around 295 problems of which some are simple exercises, some are difficult and some of them are research problems. This book gives around 388 examples and 124 theorems which is an attractive feature of this book.

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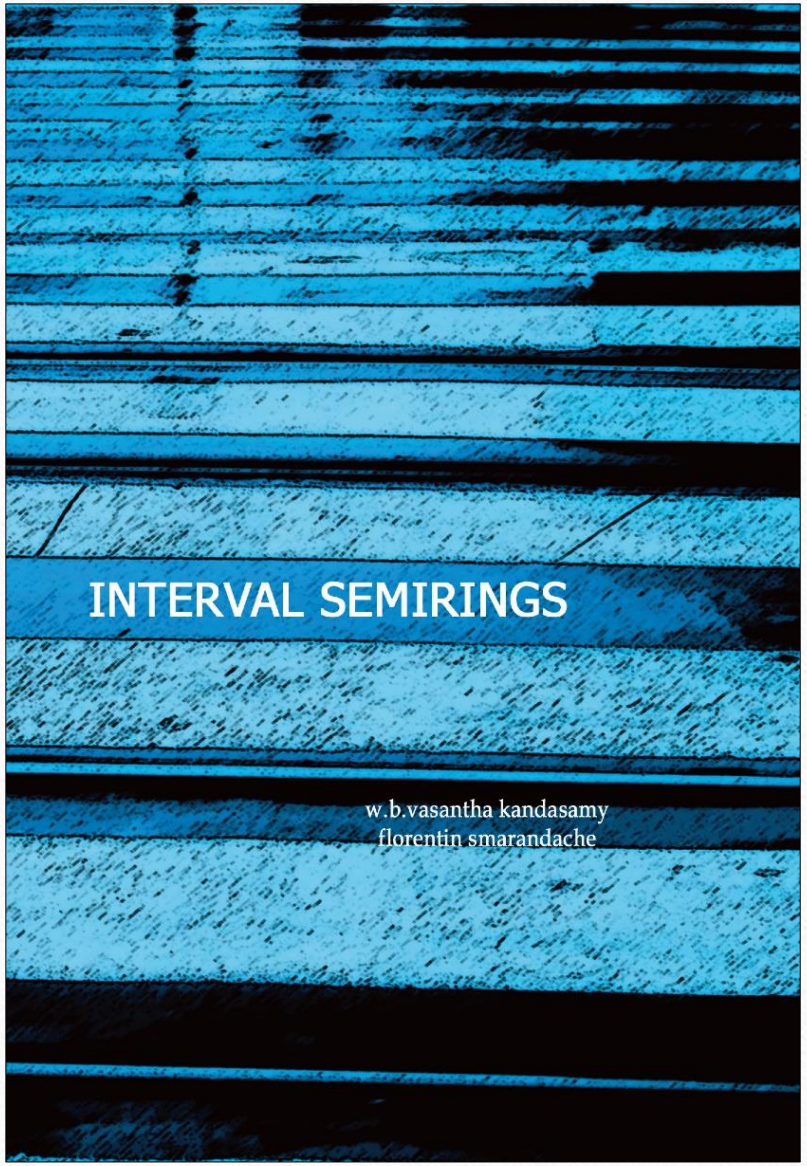
W. B. Vasantha Kandasamy, Florentin Smarandache: **Interval Semigroups**. Glendale, AZ, USA: Kappa & Omega, 2011, 165 p.

Keywords: Interval Semigroups, Interval Polynomial Semigroups, Special Interval Symmetric Semigroups, Neutrosophic Interval Semigroups, Neutrosophic Interval Matrix Semigroups, Fuzzy Interval Semigroups.

In this book we introduce the notion of interval semigroups using intervals of the form [0, a], a is real. Several types of interval semigroups like fuzzy interval semigroups, interval symmetric semigroups, special symmetric interval semigroups, interval matrix semigroups and interval polynomial semigroups are defined and discussed.

This book has eight chapters. The main feature of this book is that we suggest 241 problems in the eighth chapter. In this book the authors have defined 29 new concepts and illustrates them with 231 examples. Certainly this will find several applications.

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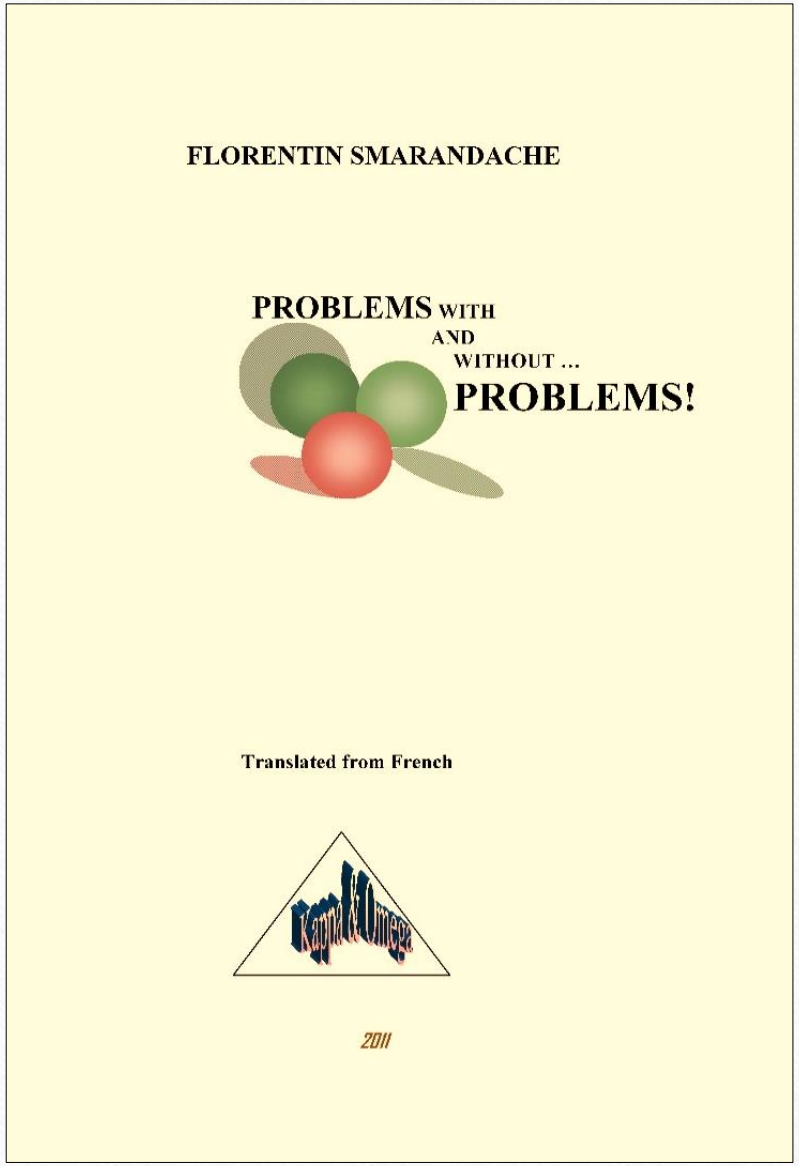
W. B. Vasantha Kandasamy, Florentin Smarandache: **Interval Semirings**. Glendale, AZ, USA: Kappa & Omega, 2011, 155 p.

Keywords: Loops, Intervals, Rings, Integers, Interval Semirings, Non-Associative Semirings, Interval Matrix Semirings, Interval Groups.

In this book the notion of interval semirings are introduced. The authors study and analyse semirings algebraically. Methods are given for the construction of non-associative semirings using loops and interval semirings or interval loops and semirings. Another type of non-associative semirings are introduced using groupoids and interval semirings or interval groupoids and semirings.

Examples using integers and modulo integers are given. Also infinite semirings which are semifields are given using interval semigroups and semirings or semigroups and interval semirings or using groups and interval semirings. Interval groups are introduced to construct interval group interval semirings, and properties related with them are analysed. Interval matrix semirings are introduced.

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Florentin Smarandache: **Problems with and without… Problems!** *Translated from French.* Glendale, AZ, USA: Automaton, Kappa & Omega, 2011, 134 p.

Keywords: Amusing Problems, Arithmetics, Mathematical Logic, Trigonometry, Geometry, Calculus, Algebra.

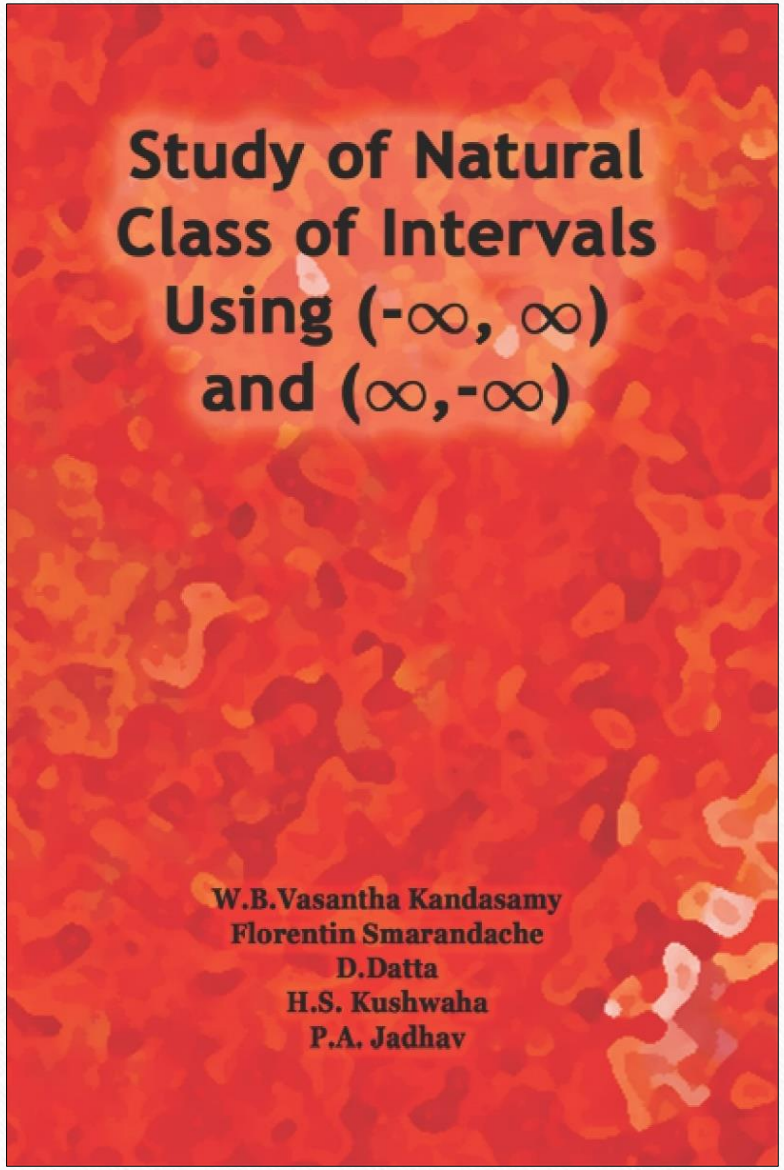
This book is addressed to College honor students, researchers, and professors. It contains 136 original problems published by the author in various scientific journals around the world. The problems could be used to preparing for courses, exams, and Olympiads in mathematics. Many of these have a generalized form. For each problem the author provides a detailed solution.

Excerpts:

"I was a professeur coopérant between 1982-1984, teaching mathematics in French language at Lycée Sidi EL Hassan Lyoussi in Sefrou, Province de Fès, Morocco. I used many of these problems for selecting and training, together with other Moroccan professors, in Rabat city, of the Moroccan student team for the International Olympiad of Mathematics in Paris, France, 1983."

– Florentin Smarandache

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W. B. Vasantha Kandasamy, Florentin Smarandache, D. Datta, H. S. Kushwaha, P. A. Jadhav: **Study of Natural Class of Intervals Using (-∞, ∞) and (∞, -∞).** Columbus, OH, USA: Zip Publishing, 2011, 181 p.

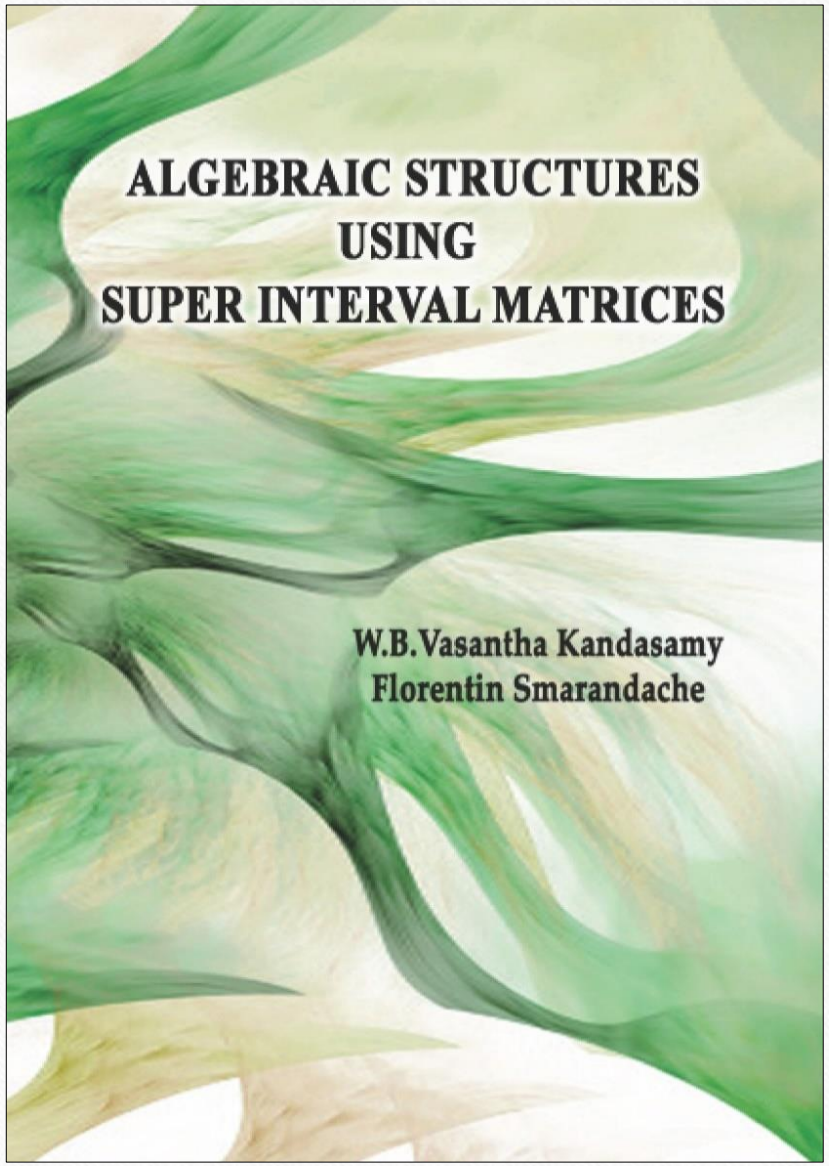
Keywords: Matrices, Polynomials, Natural Class, Intervals, Addition, Multiplication, Subtraction, Division, Interval Row Matrices, Interval Column Matrices.

In this book the authors introduce and study the properties of natural class of intervals built using (-∞, ∞) and (∞, -∞). These natural class of intervals behave like the reals R, as far as the operations of addition, multiplication, subtraction and division are concerned.

Using these natural class of intervals we build interval row matrices, interval column matrices and m × n interval matrices. Several properties about them are defined and studied. Also all arithmetic operations are performed on them in the usual way. The authors by defining so have made it easier for operations like multiplication, addition, finding determinant and inverse on matrices built using natural class of intervals.

The authors also define polynomials with coefficients from natural class of intervals or polynomial intervals, both these concepts are one and the same, for one can be obtained from the other and vice versa. Finally fuzzy interval polynomials are introduced using the intervals [0, 1] and [1, 0]. We define operations on them. The concept of matrices with polynomial entries are defined and described.

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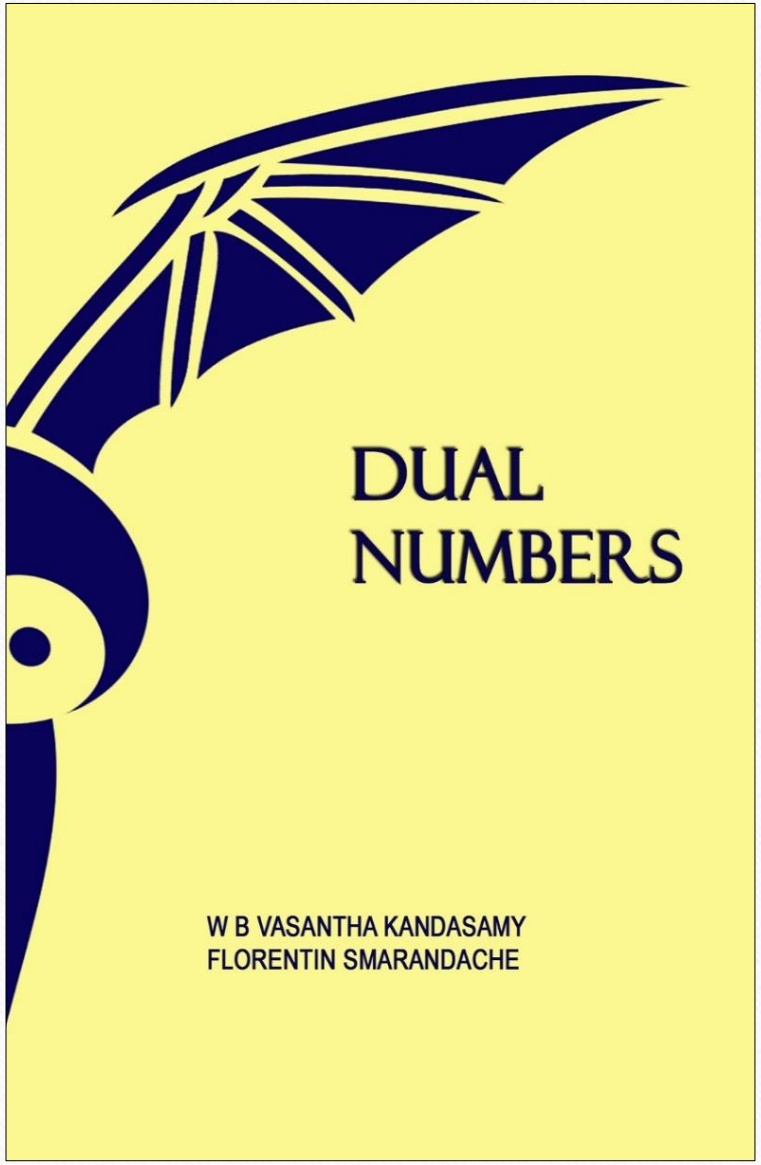


W. B. Vasantha Kandasamy, Florentin Smarandache: **Algebraic Structures Using Super Interval Matrices**. Columbus, AZ, USA: Educational Publisher, 2011, 287 p.

Keywords: Algebraic Structures, Semigroups, Groups, Semirings, Rings, Semivector Spaces, Vector Spaces, Special Fuzzy Linear Algebras, Super Fuzzy Interval Matrices.

In this book, super interval matrices using the special type of intervals of the form [0, a] are introduced. The advantage of using super interval matrices is that one can build only one vector space using m × n interval matrices, but in case of super interval matrices one can have several such spaces depending on the partition on the interval matrix. This book has seven chapters. Chapter one is introductory in nature, just introducing the super interval matrices or interval super matrices. In chapter two essential operations on super interval matrices are defined. Further in this chapter algebraic structures are defined on these super interval matrices using these operation. Using these super interval matrices semirings and semivector spaces are defined in chapter three. This chapter gives around 90 examples. In chapter four two types of super interval semilinear algebras are introduced. Super fuzzy interval matrices are introduced in chapter five. This chapter has two sections, in section one super fuzzy interval matrices are introduced using the fuzzy interval [0, 1]. In section two special fuzzy linear algebras using super fuzzy interval matrices are defined and described. Chapter six suggests the probable applications to interval analysis. The final chapter suggests around 110 problems some of which are at research level.

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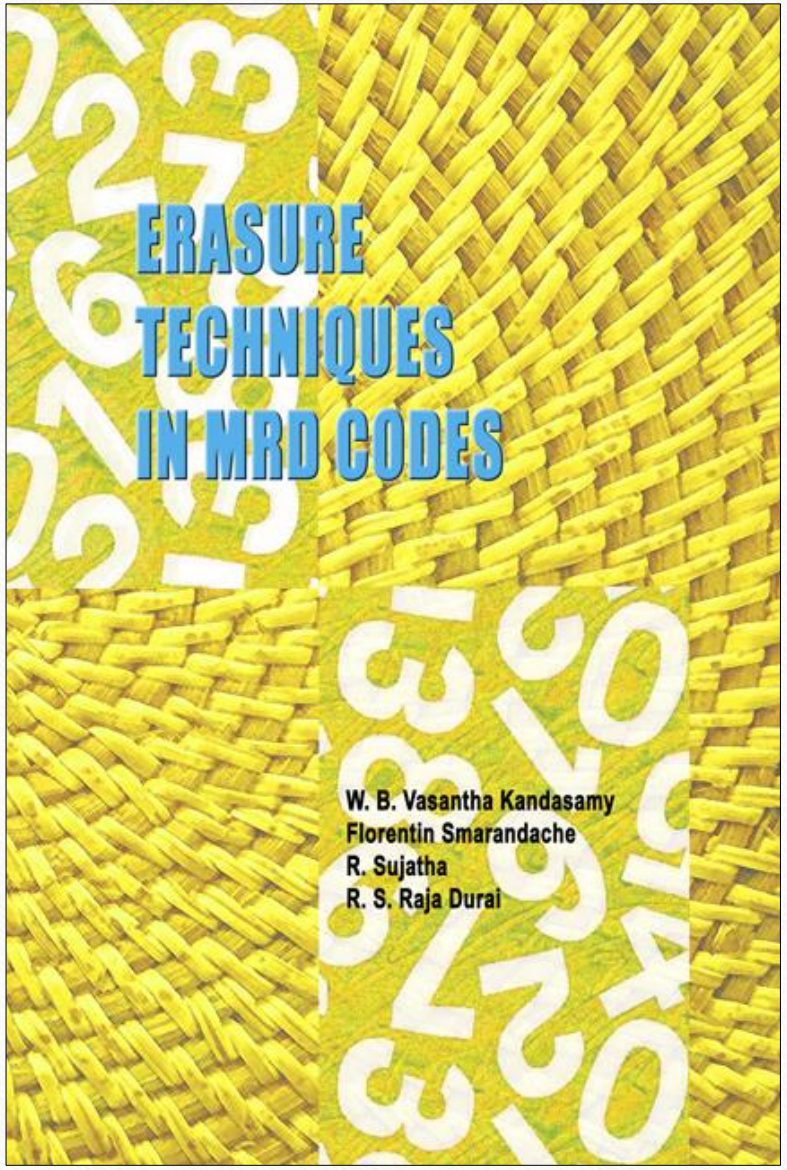
W. B. Vasantha Kandasamy, Florentin Smarandache: **Dual Numbers**. Columbus, OH, USA: Zip Publishing, 2012, 159 p.

Keywords: Dual Numbers, Neutrosophic Dual Numbers, Fuzzy Dual Numbers, Spatial Mechanisms, Inertial Force Analysis, Interval Dual Numbers.

Dual numbers was first introduced by W.K. Clifford in 1873. This nice concept has lots of applications; to screw systems, modeling plane joint, iterative methods for displacement analysis of spatial mechanisms, inertial force analysis of spatial mechanisms etc.

In this book the authors study dual numbers in a special way. This book is organized into six chapters. The final chapter suggests several research level problems. Fifth chapter indicates the applications of dual numbers. The forth chapter introduces the concept of interval dual numbers, we also extend it to the concept of neutrosophic and fuzzy dual numbers. Higher dimensional dual numbers are defined, described and developed in chapter three. Chapter two gives means and methods to construct the new element g. The authors feel Zn (n a composite positive integer) is a rich source for getting new element, the main component of the dual number $x = a + bg$.

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W. B. Vasantha Kandasamy, Florentin Smarandache, R. Sujatha, R. S. Raja Duray: **Erasure Techniques in MRD Codes**. Columbus, OH, USA: Zip Publishing, 2012, 162 p.

Keywords: Maximum Rank Distance, Concatenation, Binary Code, Inner Code, MRD Codes.

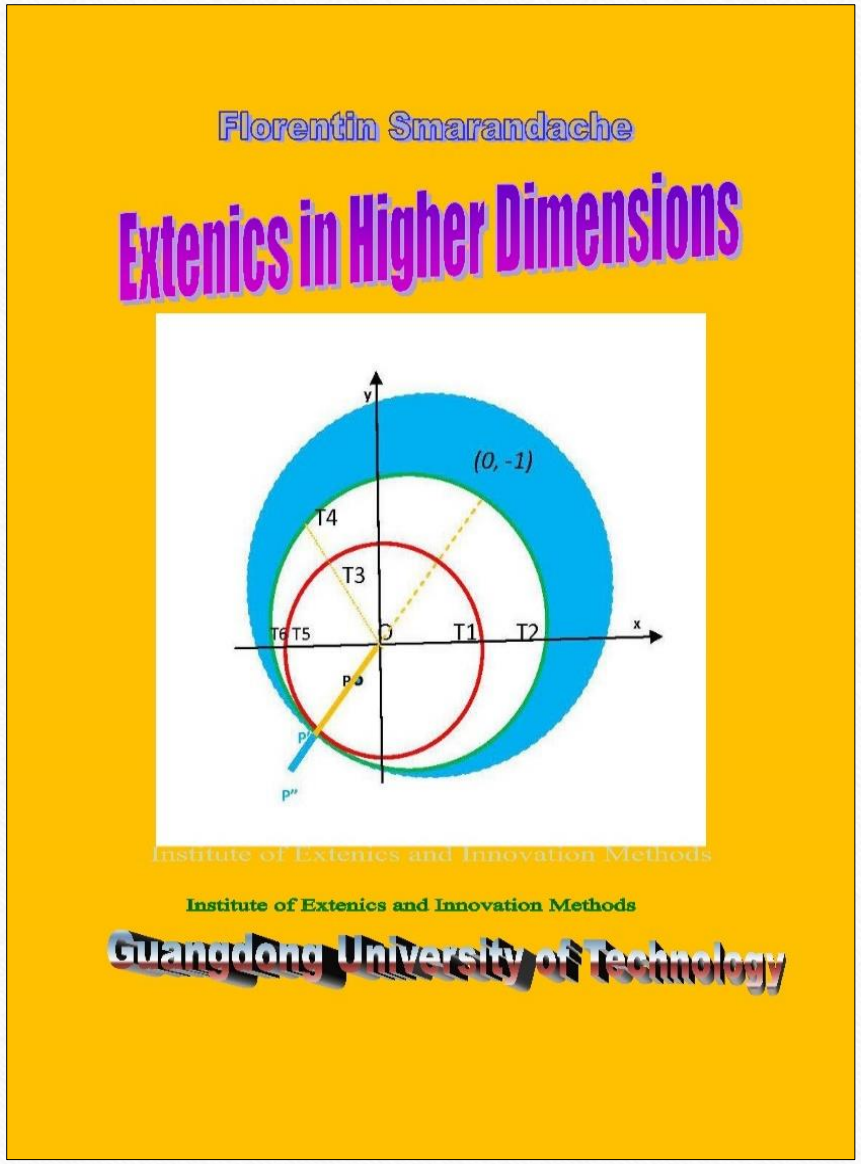
In this book the authors study the erasure techniques in concatenated Maximum Rank Distance (MRD) codes.

The authors for the first time in this book introduce the new notion of concatenation of MRD codes with binary codes, where we take the outer code as the RD code and the binary code as the inner code.

The concatenated code consists of the codewords of the outer code expressed in terms of the alphabets of the inner code. These new class of codes are defined as CRM codes. This concatenation techniques helps one to construct any CRM code of desired minimum distance which is not enjoyed by any other class of codes. Also concatenation of several binary codes are introduced using the newly defined notion of special blanks.

These codes can be used in bulk transmission of a message into several channels and the completed work is again consolidated and received. Finally the notion of integer rank distance code is introduced.

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Florentin Smarandache: **Extenics in Higher Dimensions**. Columbus, OH, USA: Educational Publisher, 2012, 112 p.

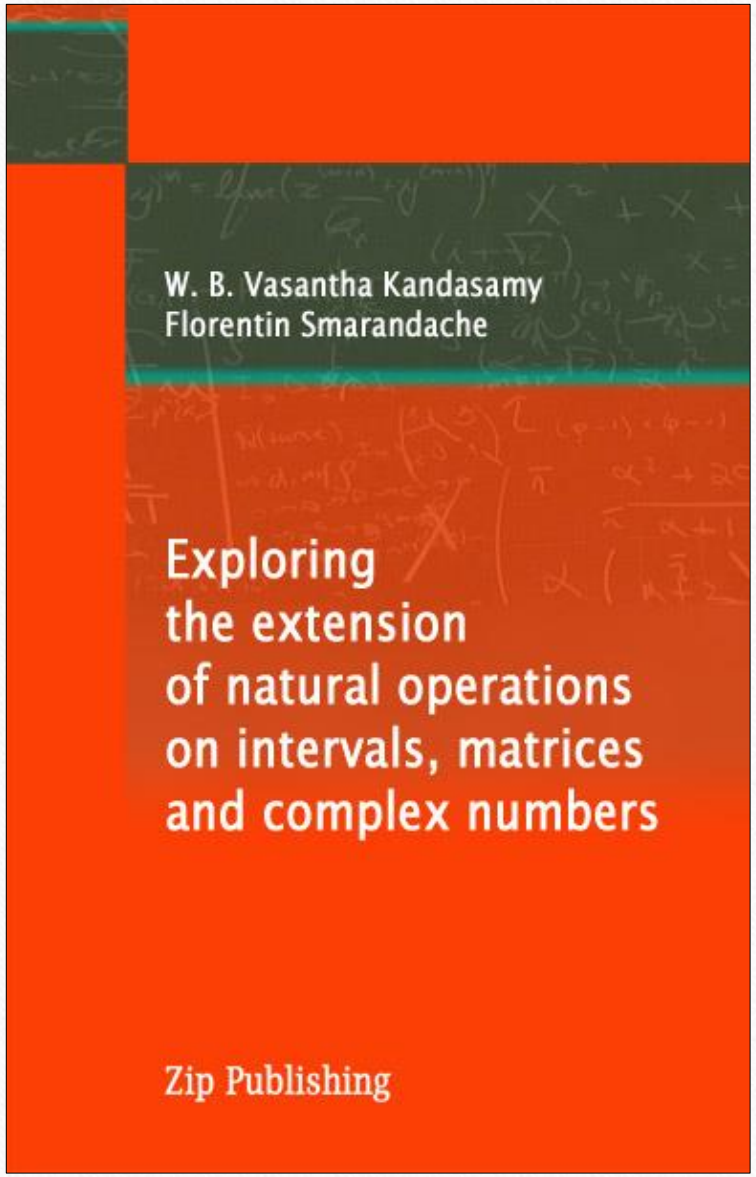
Keywords: Extenics, Innovation Methods, Linear and Non-Linear Attraction Point Principle, Location Value of a Point, Dependent Function, Single Finite Interval.

Prof. Florentin Smarandache, during his research period in the Summer of 2012 at the Research Institute of Extenics and Innovation Methods, from Guangdong University of Technology, in Guangzhou, China, has introduced the Linear and Non-Linear Attraction Point Principle and the Network of Attraction Curves, he has generalized the 1D Extension Distance and the 1D Dependent Function to 2D, 3D, and in general to n-D Spaces, and he generalized Qiao-Xing Li's and Xing-Sen Li's definitions of the Location Value of a Point and the Dependent Function of a Point on a Single Finite Interval from one dimension (1D) to 2D, 3D, and in general n-D spaces.

He used the Extenics, together with Victor Vlădăreanu, Mihai Liviu Smarandache, Tudor Păroiu, and Ştefan Vlăduţescu, in 2D and 3D spaces in technology, philosophy, and information theory.

Extenics is the science of solving contradictory problems in many fields set up by Prof. Cai Wen in 1983.

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W. B. Vasantha Kandasamy, Florentin Smarandache: **Exploring the Extension of Natural Operations on Intervals, Matrices and Complex Numbers**. Columbus, OH, USA: Zip Publishing, 2012, 150 p.

Keywords: Natural Operations, Intervals, Finite Complex Numbers, Natural Product, Matrices.

This book extends the natural operations defined on intervals, finite complex numbers and matrices. This way of defining natural class of intervals enables the authors to extend all the natural operations defined on reals to these natural class of intervals without any difficulty.

Thus with these natural class of intervals working with interval matrices like stiffness matrices finding eigen values takes the same time as that usual matrices. Secondly the authors introduce the new notion of finite complex modulo numbers. Using finite complex numbers several interesting results are derived. Finally we introduced the notion of natural product ×n on matrices. This enables one to define product of two column matrices of same order. We can find also product of m × n matrices.

This natural product ×n is nothing but the usual product performed on the row matrices. So we have extended this type of product to all types of matrices.

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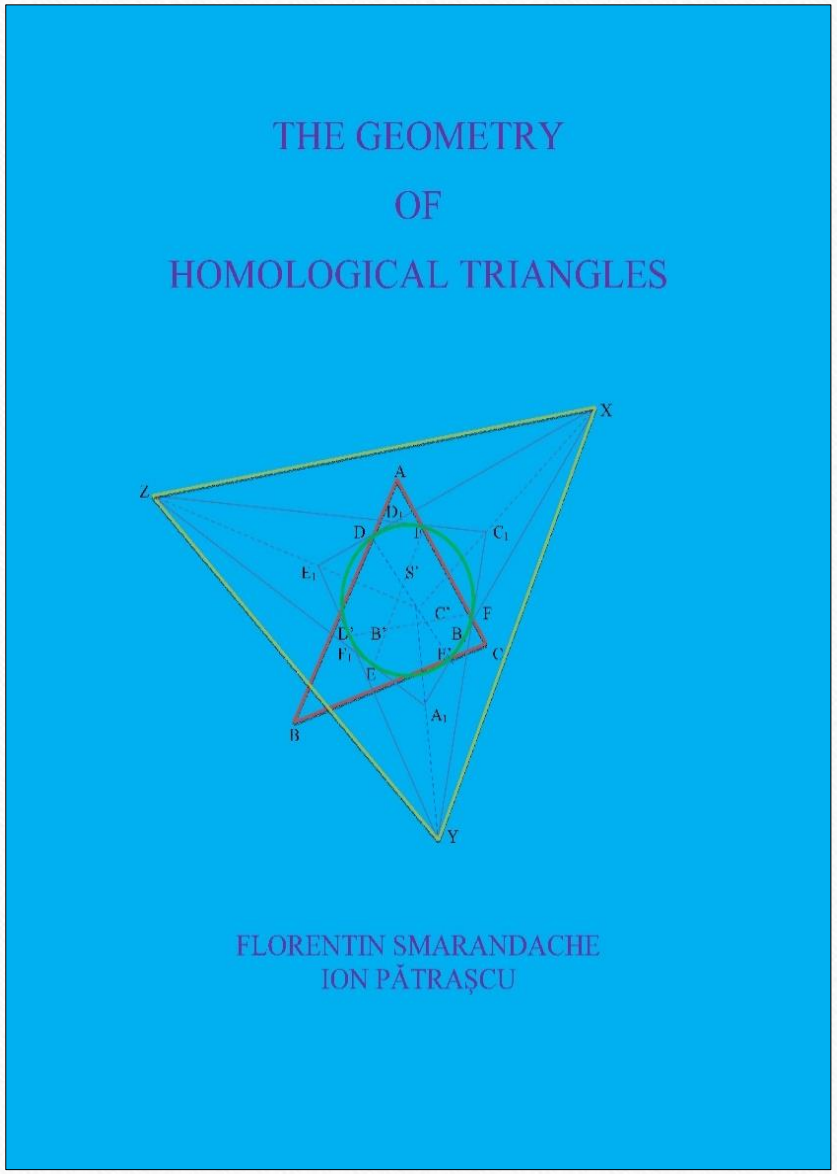


W. B. Vasantha Kandasamy, Florentin Smarandache, K. Amal: **Fuzzy Linguistic Topological Spaces**. Columbus, OH, USA: Zip Publishing, 2012, 193 p.

Keywords: Topological Space, Fuzzy Linguistic Membership, Fuzzy Linguistic Matrices, Fuzzy Linguistic Polynomials, Fuzzy Linguistic Terms.

In this book the authors introduce a new type of fuzzy topological space called the fuzzy linguistic topological space. This topological space consists of fuzzy linguistic terms together with zero. This topological space depends on the problem, attributes chosen and the metric defined on it. This is the main difference between the usual topological space are the fuzzy linguistic topological space. Further this topological space also may be graph-connected under a particular problem and under a specific expert. Likewise the fuzzy topological space may be lattice-connected under one expert may be disconnected under another expert depending on the problem under investigation. These algebraic structures are used in the study of fuzzy linguistic models, defined abd described in chapter four. The striking features of these models are that the models can be used with ease by any expert, be it a socio-scientist, technologist or a medical scientist. However the fuzzy linguistic membership can be converted into fuzzy membership and vice versa. This book has five chapters. Chapter one is introductory in nature. Fuzzy linguistic spaces are introduced in chapter two. Fuzzy linguistic vector spaces are introduced in chapter three. Chapter four introduces fuzzy linguistic models. The final chapter suggests over 100 problems and some of them are at research level.

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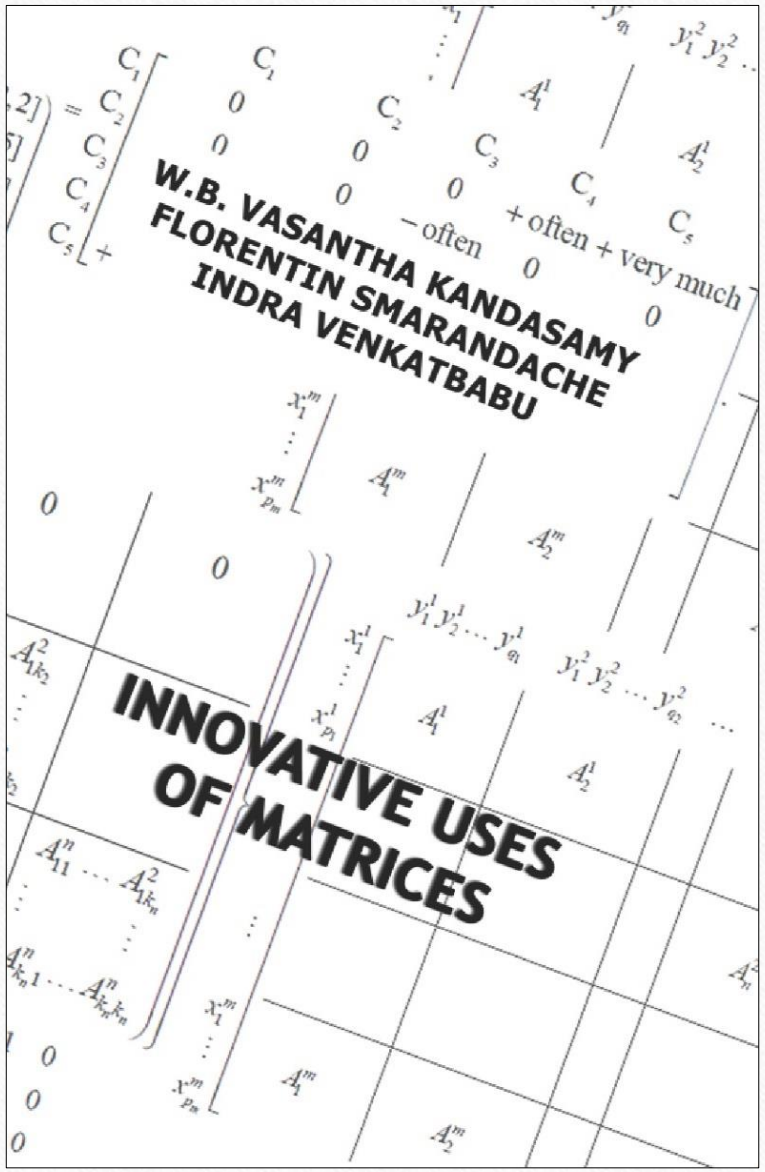
Florentin Smarandache, Ion Patrascu: **The Geometry of Homological Triangles**. Columbus, OH, USA: Educational Publisher, 2012, 244 p.

Keywords: Homological Triangles, Remarkable Homological Triangles, Orthic Triangle, Cevian Triangle, Anti-Supplemental Triangle, K-Symmedian Triangle, Tangential Triangle, Contact Triangle, Medial Triangle, Cotangent Triangle, Ex-Tangential Triangle, Circum-Pedal Triangle, Coşniţă Triangle.

This book is addressed to students, professors and researchers of geometry, who will find herein many interesting and original results. The originality of the book consists in using the homology of triangles as a "filter" through which remarkable notions and theorems from the geometry of the triangle are unitarily passed.

The research is structured in seven chapters, the first four are dedicated to the homology of the triangles while the last ones to their applications, containing solutions and hints to the 100 proposed problems.

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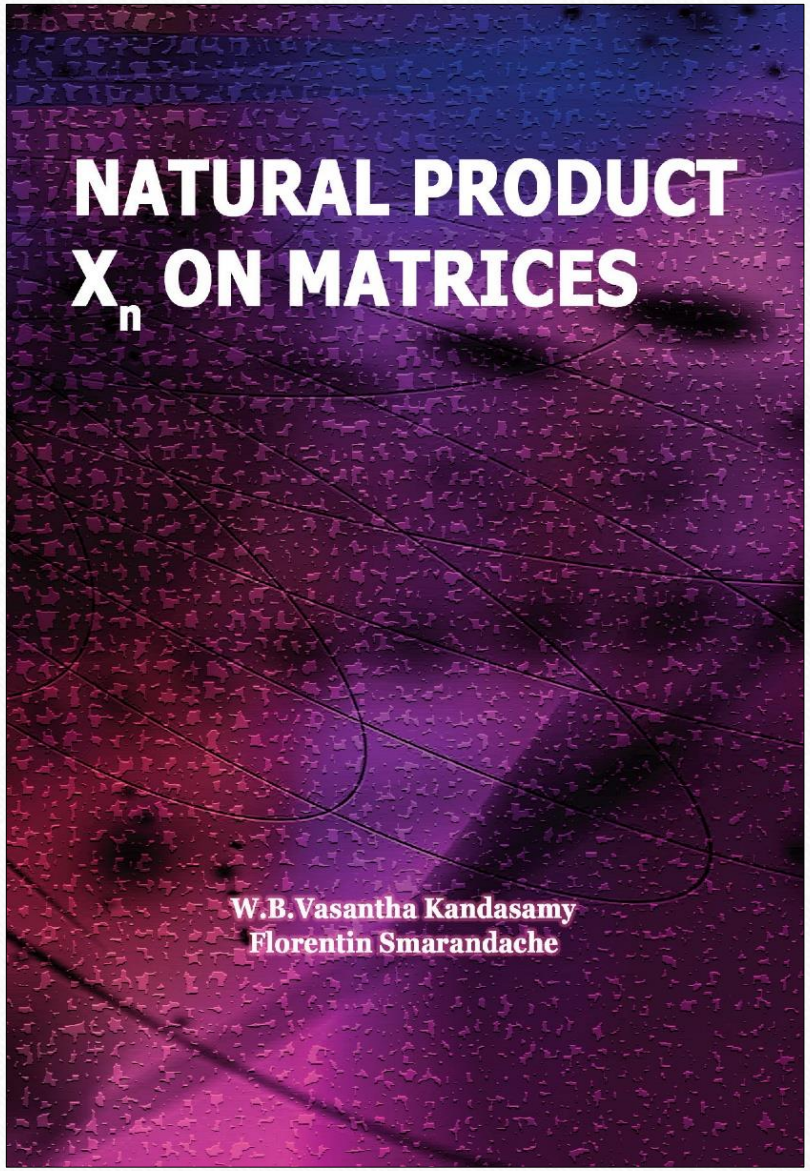


W. B. Vasantha Kandasamy, Florentin Smarandache, Indra Venkatbabu: **Innovative Uses of Matrices**. Columbus, OH, USA: Educational Publisher, 2012, 227 p.

Keywords: Time Dependent Data Matrix, Fuzzy Linguistic Matrices, Supermatrices, Super Linear Algebra, Super Fuzzy Models.

In this book authors have given the innovative ways in which they have used matrices, starting from ATD, RTD & CETD matrices which can be applied to any collected data depending on time. A new type of matrices, called fuzzy linguistic matrices, which play a major role in the construction of fuzzy linguistic models, is defined. Then, the super matrices are used in the construction of super linear algebra and super fuzzy models. Further, interval matrices using natural class of intervals is introduced. The ingenious way of defining DSm matrices of refined labels is an interesting feature. Finally the construction of n-matrices and its use in the building of n-codes is described.

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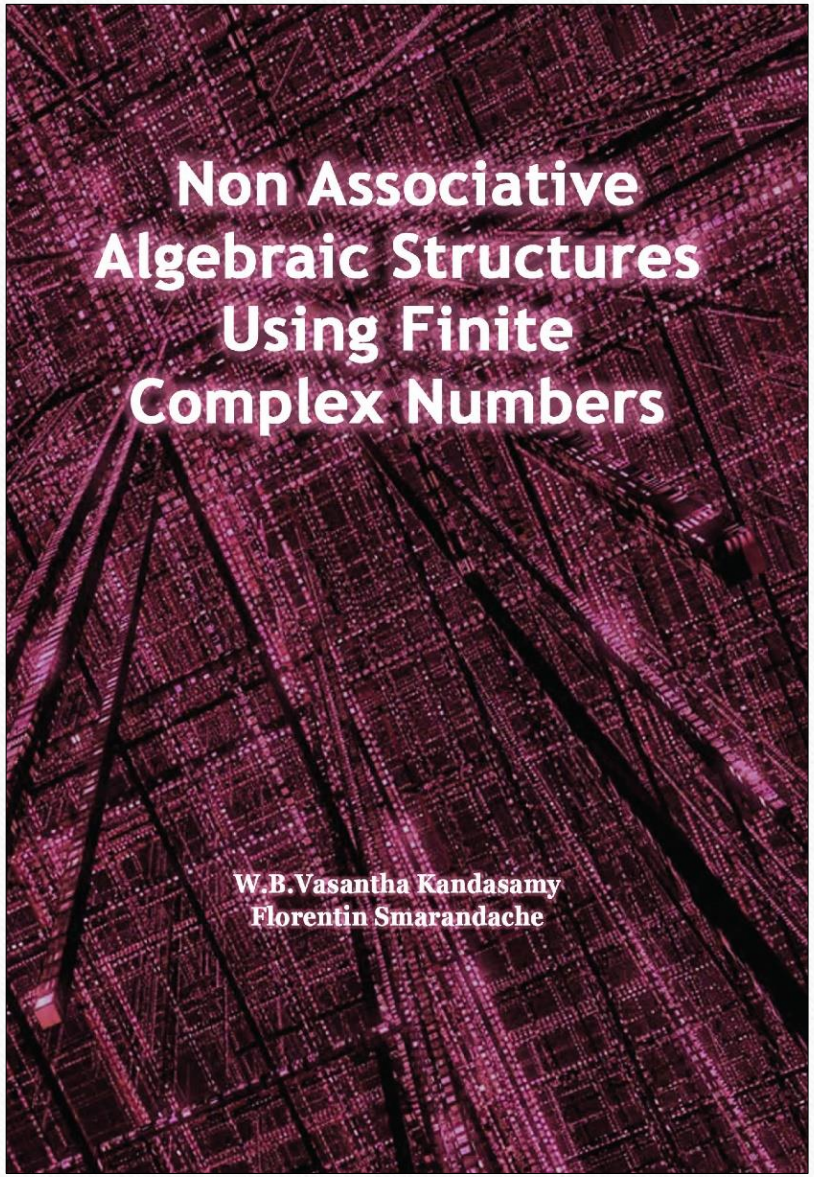
W. B. Vasantha Kandasamy, Florentin Smarandache: **Natural Product Xn on Matrices**. Columbus, OH, USA: Zip Publishing, 2012, 342 p.

Keywords: Algebraic Structures, Matrices, Row Matrices, Multiplication, Polynomials, Super Matrix Linear Algebra.

In this book the authors introduce a new type of product on matrices called the natural product Xn. This is an extension of product carried out in the case or row matrices of the same order. Further, when two column matrices of same order can be added, nothing prevents one from multiplying them. This sort of multiplication which is natural is defined as natural product Xn on matrices.

This book has eight chapters. The first chapter is introductory in nature. Polynomials with matrix coefficients are introduced in chapter two. Algebraic structures on these polynomials with matrix coefficients is defined and described in chapter three. Chapter four introduces natural product on matrices. Natural product on super matrices is introduced in chapter five. Super matrix linear algebra is introduced in chapter six. Chapter seven claims only after this notion becomes popular we can find interesting applications of them. The final chapter suggests over 100 problems some of which are at research level.

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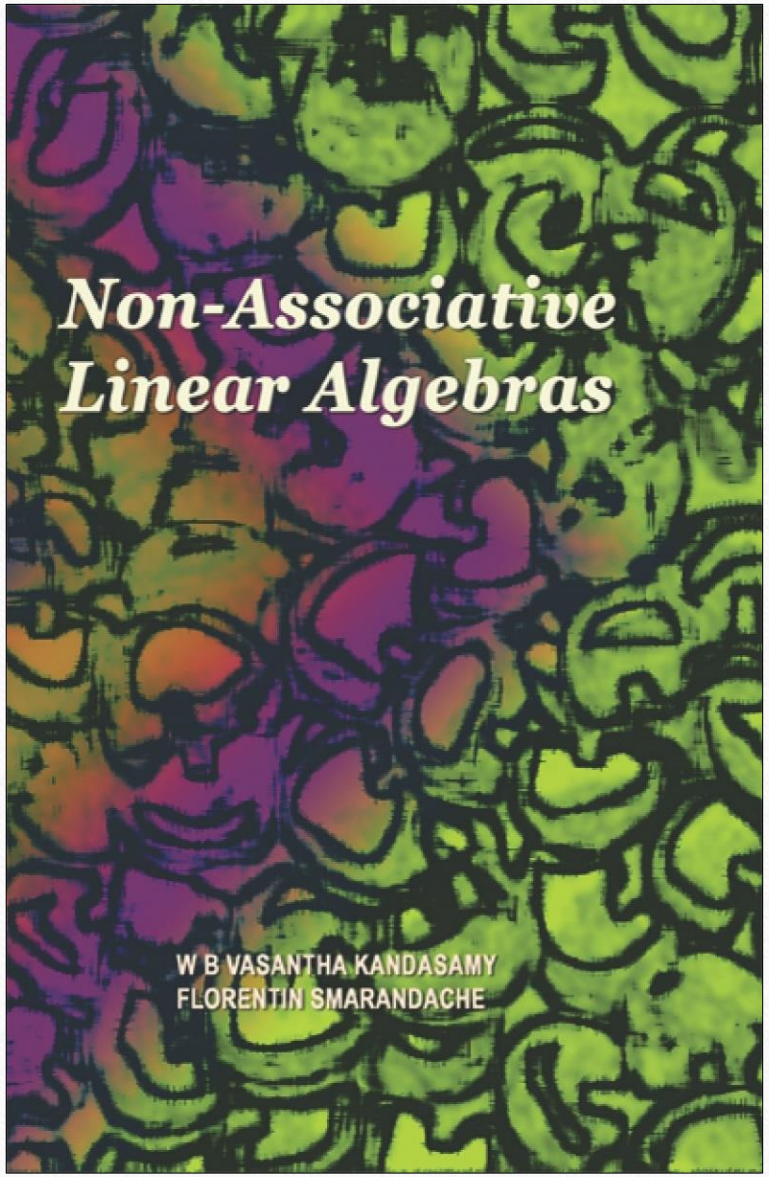
W. B. Vasantha Kandasamy, Florentin Smarandache: **Non Associative Algebraic Structures Using Finite Complex Numbers**. Columbus, OH, USA: Zip Publishing, 2012, 213 p.

Keywords: Nonassociative Structures, Groupoids, Quasi Loops, Non Associative Semirings, Rings, Finite Complex Modulo Integers, Complex Groupoids, Complex Loops.

Authors in this book for the first time have constructed nonassociative structures like groupoids, quasi loops, non associative semirings and rings using finite complex modulo integers. The Smarandache analogue is also carried out. We see the nonassociative complex modulo integers groupoids satisfy several special identities like Moufang identity, Bol identity, right alternative and left alternative identities. P-complex modulo integer groupoids and idempotent complex modulo integer groupoids are introduced and characterized.

This book has six chapters. The first one is introductory in nature. Second chapter introduces complex modulo integer groupoids and complex modulo integer loops using C(Zn). This chapter gives 77 examples and forty theorems. Chapter three introduces the notion of nonassociative complex rings both finite and infinite using complex groupoids and complex loops. This chapter gives over 120 examples and thirty theorems.

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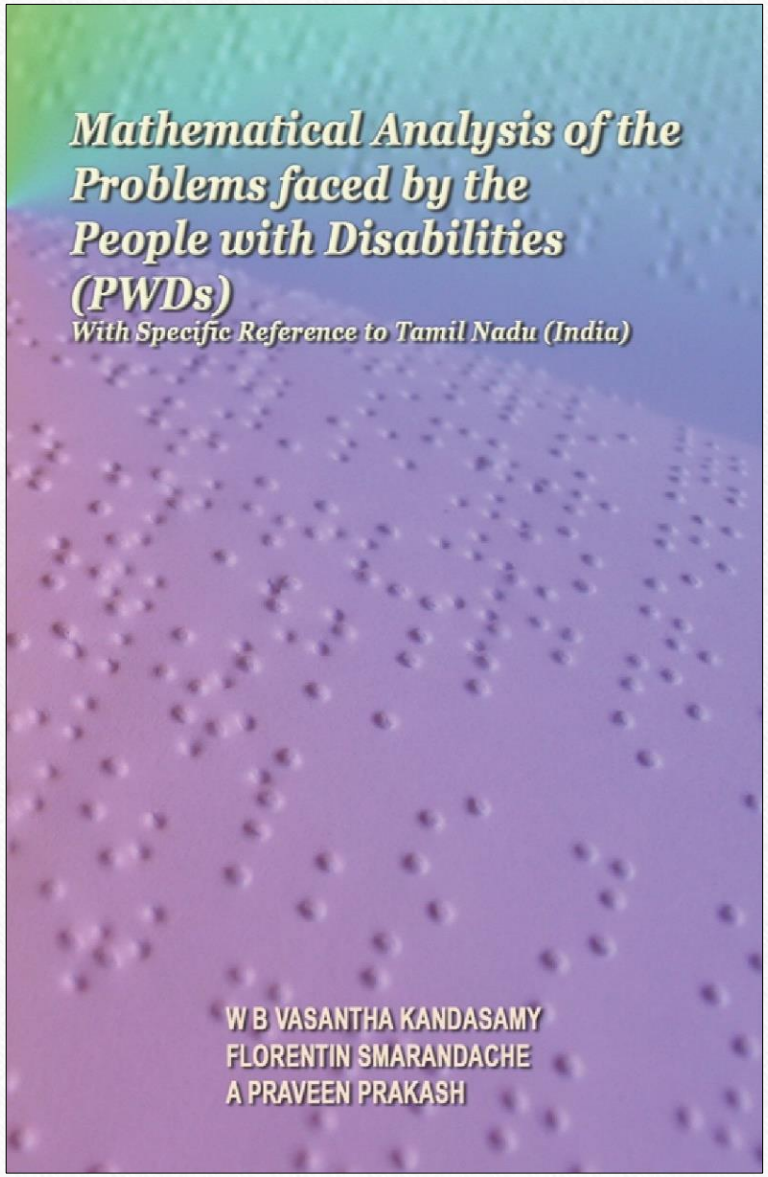
W. B. Vasantha Kandasamy, Florentin Smarandache: **Non Associative Linear Algebras**. Columbus, OH, USA: Zip Publishing, 2012, 231 p.

Keywords: Non Associative Vector Spaces, Non Associative Linear Algebras, Loops, Groupoids, Fields, Groupoids, Semifields.

In this book authors for the first time introduce the notion of non associative vector spaces and non associative linear algebras over a field. We construct non associative space using loops and groupoids over fields. In general in all situations, which we come across to find solutions may not be associative; in such cases we can without any difficulty adopt these non associative vector spaces/linear algebras. Thus this research is a significant one.

This book has six chapters. First chapter is introductory in nature. The new concept of non associative semilinear algebras is introduced in chapter two. This structure is built using groupoids over semifields. Third chapter introduces the notion of non associative linear algebras. These algebraic structures are built using the new class of loops. All these non associative linear algebras are defined over the prime characteristic field Zp, p a prime. However if we take polynomial non associative, linear algebras over Zp, p a prime; they are of infinite dimension over Zp. We in chapter four introduce the notion of groupoid vector spaces of finite and infinite order and their generalizations.

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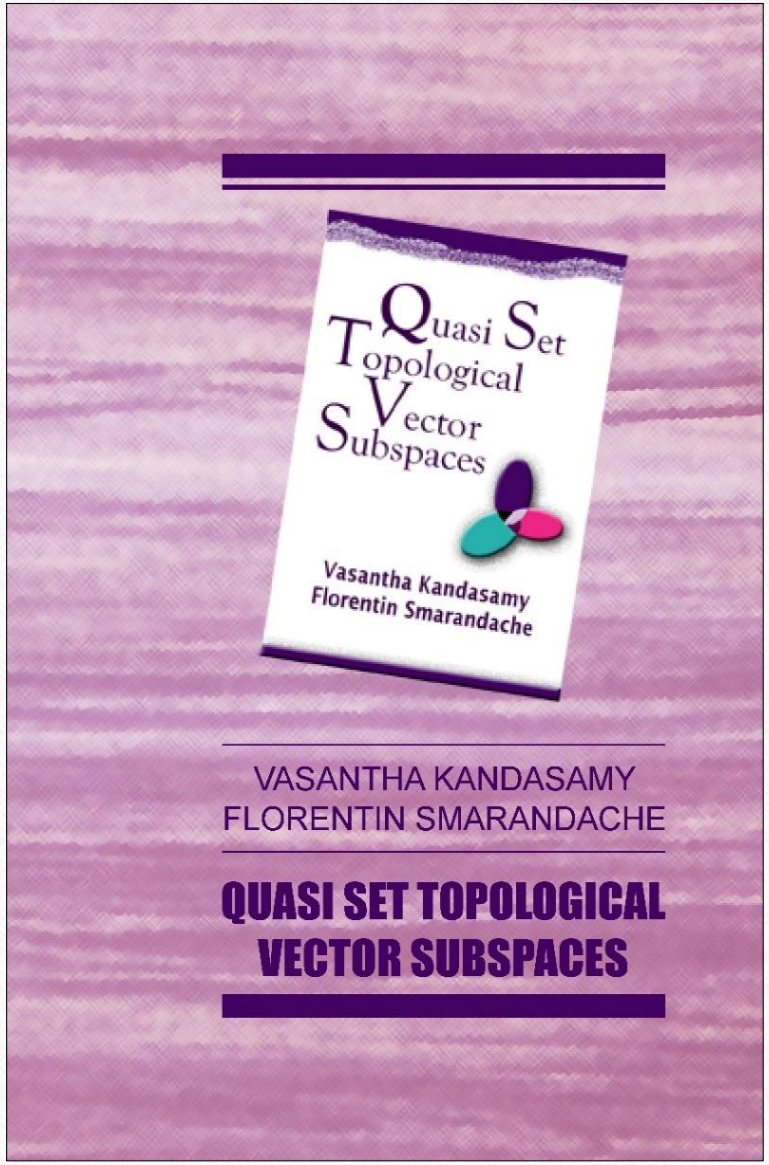
W. B. Vasantha Kandasamy, Florentin Smarandache, A. Praveen Prakash: **Mathematical Analysis of the Problems Faced by the People with Disabilities (PWDs).** *With Specific Reference to Tamil Nadu (India).* Columbus, OH, USA: Zip Publishing, 2012, 165 p.

Keywords: Tamil Nadu, Special Fuzzy Cognitive Maps, Fuzzy Cognitive Relational Maps, Fuzzy Linguistic Models, Mentally Challenged People, Disabilities.

The authors in this book have analyzed the socio-economic and psychological problems faced by People with Disabilities (PWDs) and their families. The study was made by collecting data using both fuzzy linguistic questionnaire / by interviews in case they are not literates from 2,15,811 lakhs people.

This data was collected using the five Non Government Organizations (NGOs) from northern Tamil Nadu. Economic problems faced by PWDs is analysed using Special Fuzzy Cognitive Maps (SFCMs) model introduced by the authors. A chapter carries out the study of interrelated problems faced by the PWDs and the caretakers. The authors use the new FCRM bimodel to analyse the problems faced by the rural PWDs.

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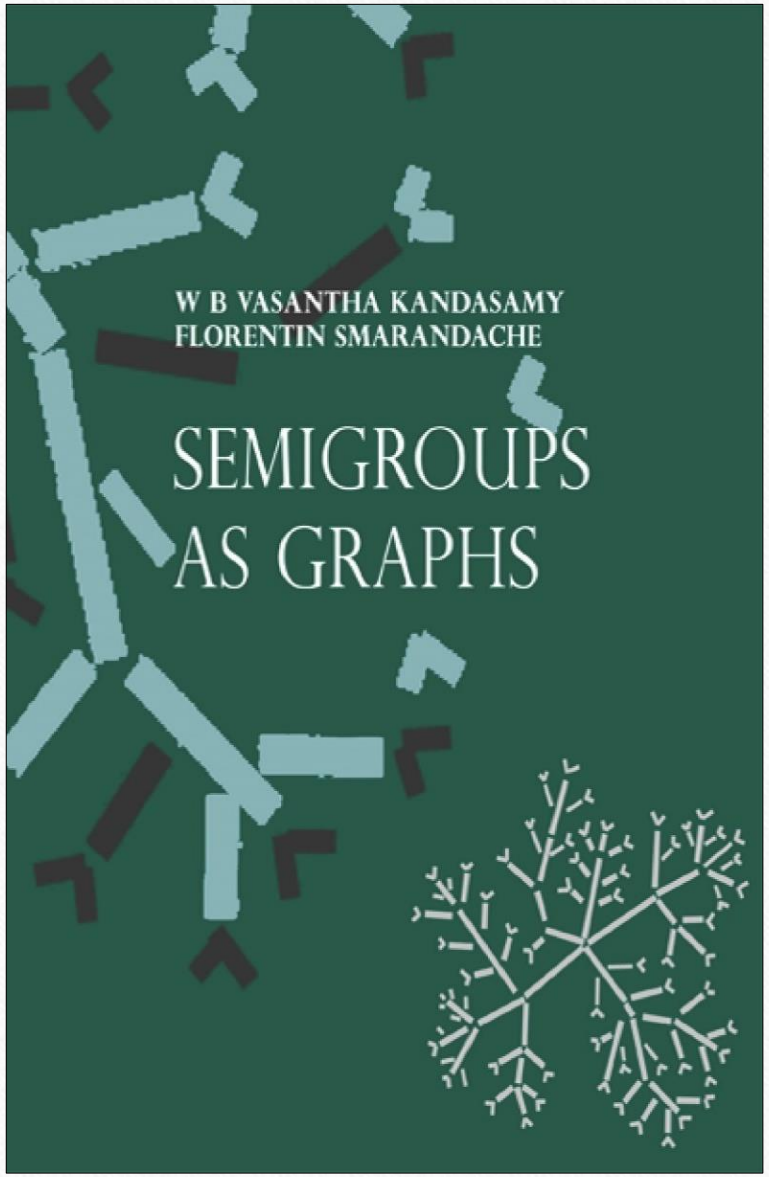
W. B. Vasantha Kandasamy, Florentin Smarandache: **Quasi Set Topological Vector Subspaces**. Columbus, OH, USA: Educational Publisher, 2012, 152 p.

Keywords: Quasi Set Topological Vector Subspaces, S-Quasi Set Topological Vector Subspaces, Topological Vector Subspaces, Finite Field, Integers.

In this book the authors introduce four types of topological vector subspaces. All topological vector subspaces are defined depending on a set. We define a quasi set topological vector subspace of a vector space depending on the subset S contained in the field F over which the vector space V is defined. These quasi set topological vector subspaces defined over a subset can be of finite or infinite dimension. An interesting feature about these spaces is that there can be several quasi set topological vector subspaces of a given vector space.

This property helps one to construct several spaces with varying basic sets. Further we cannot define quasi set topological vector subspaces of all vector subspaces. We have given the number of quasi set topological vector subspaces in case of a vector space defined over a finite field. It is still an open problem, "Will these quasi set topological vector spaces increase the number of finite topological spaces with n points, n a finite positive integer?".

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W. B. Vasantha Kandasamy, Florentin Smarandache: **Semigroups as Graphs**. Columbus, OH, USA: Zip Publishing, 2012, 153 p.

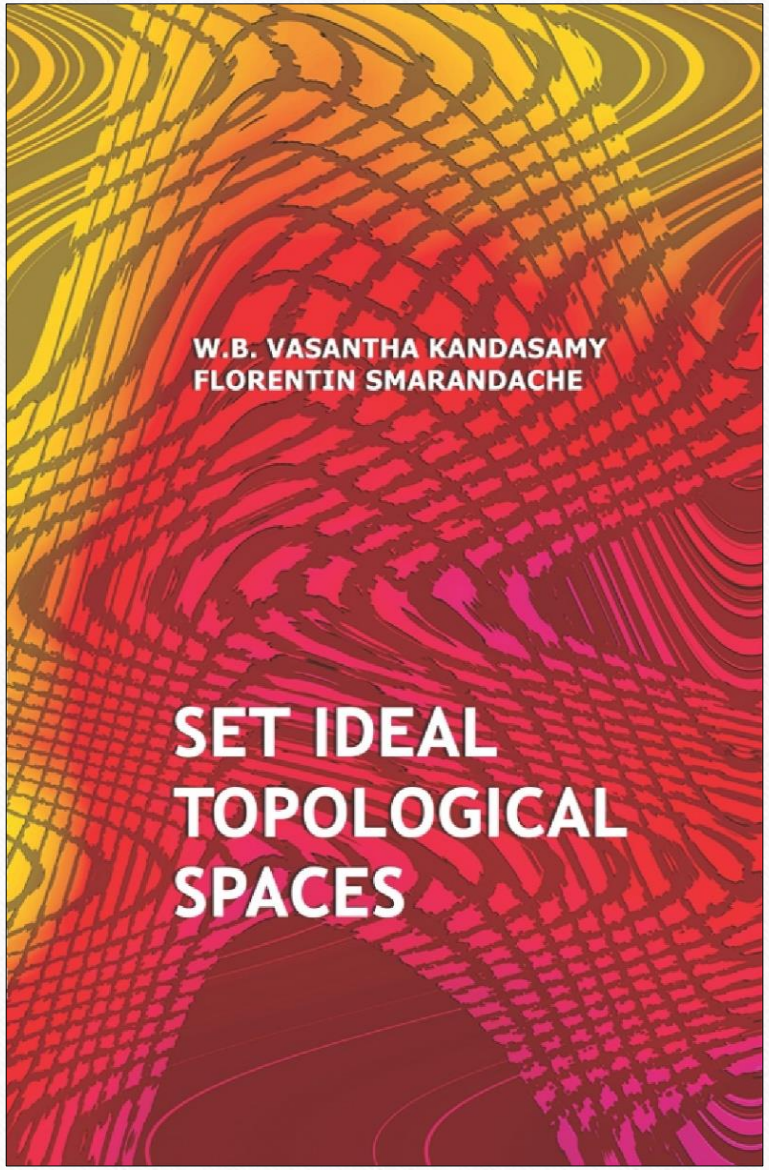
Keywords: Zero Divisor Graphs, Semigroups, Unit Graphs, Finite Complex Modulo Integers.

In this book the authors study the zero divisor graph and unit graph of a semigroup. The zero divisor graphs of semigroups Zn under multiplication is studied and characterized. We also define the special zero divisor graph of a semigroup and the S-zero divisor of a semigroup.

We introduce a new notion called the tree covering pseudo lattice. This study is carried out in chapter two of this book. Chapter one is introductory in nature to make this book a self contained one. In chapter three we study the unit graphs of semigroups. The unit graphs of the semigroups Zn and S(n) are described. Further unit graphs of the finite complex modulo integers C(Zn) are analysed.

– W. B. Vasantha Kandasamy, Florentin Smarandache

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W. B. Vasantha Kandasamy, Florentin Smarandache: **Set Ideal Topological Spaces**. Columbus, OH, USA: Zip Publishing, 2012, 114 p.

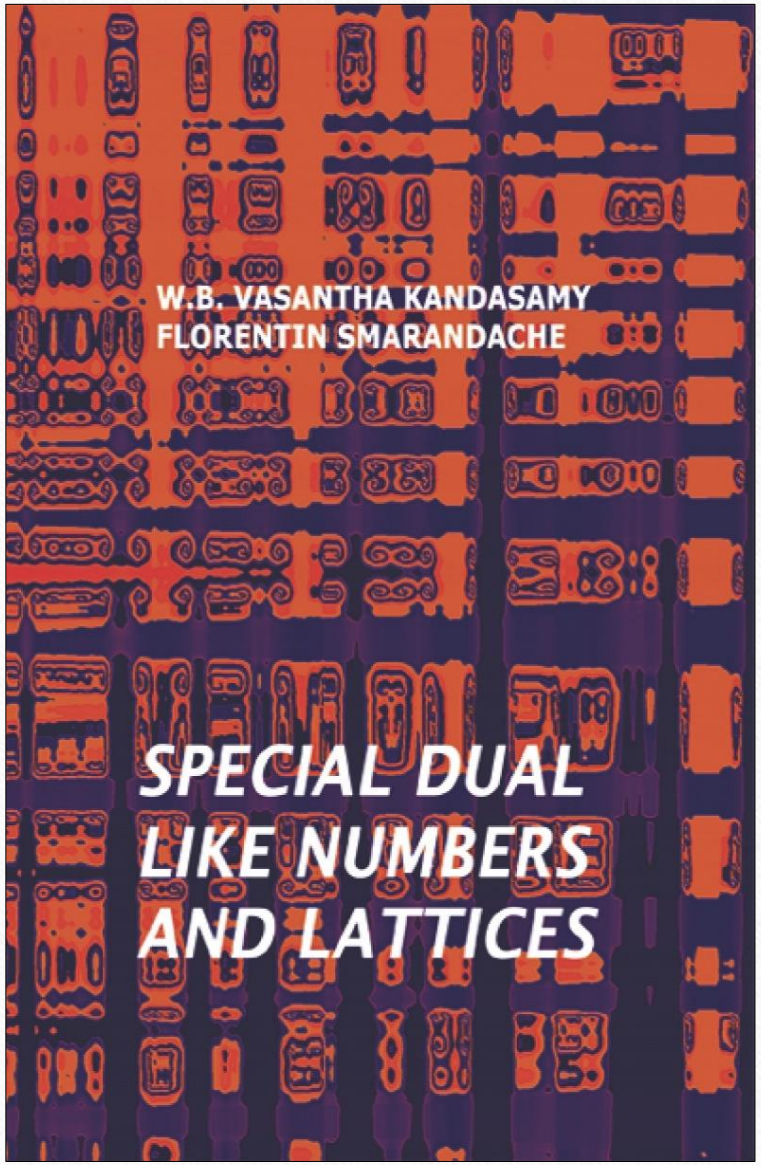
Keywords: Complex Neutrosophic Set, Ideal Topological Spaces, Finite Topological Spaces, Open Conjecture, Finite Rings, Finite Semigroups, Rings, Semigroups.

In this book the authors for the first time introduce a new type of topological spaces called the set ideal topological spaces using rings or semigroups, or used in the mutually exclusive sense. This type of topological spaces use the class of set ideals of a ring (semigroups).

The rings or semigroups can be finite or infinite order. By this method we get complex modulo finite integer set ideal topological spaces using finite complex modulo integer rings or finite complex modulo integer semigroups. Also authors construct neutrosophic set ideal toplogical spaces of both finite and infinite order as well as complex neutrosophic set ideal topological spaces. Several interesting properties about them are defined, developed and discussed in this book.

The authors leave it as an open conjecture whether the number of finite topological spaces built using finite sets is increased by building these classes of set ideal topological spaces using finite rings or finite semigroups.

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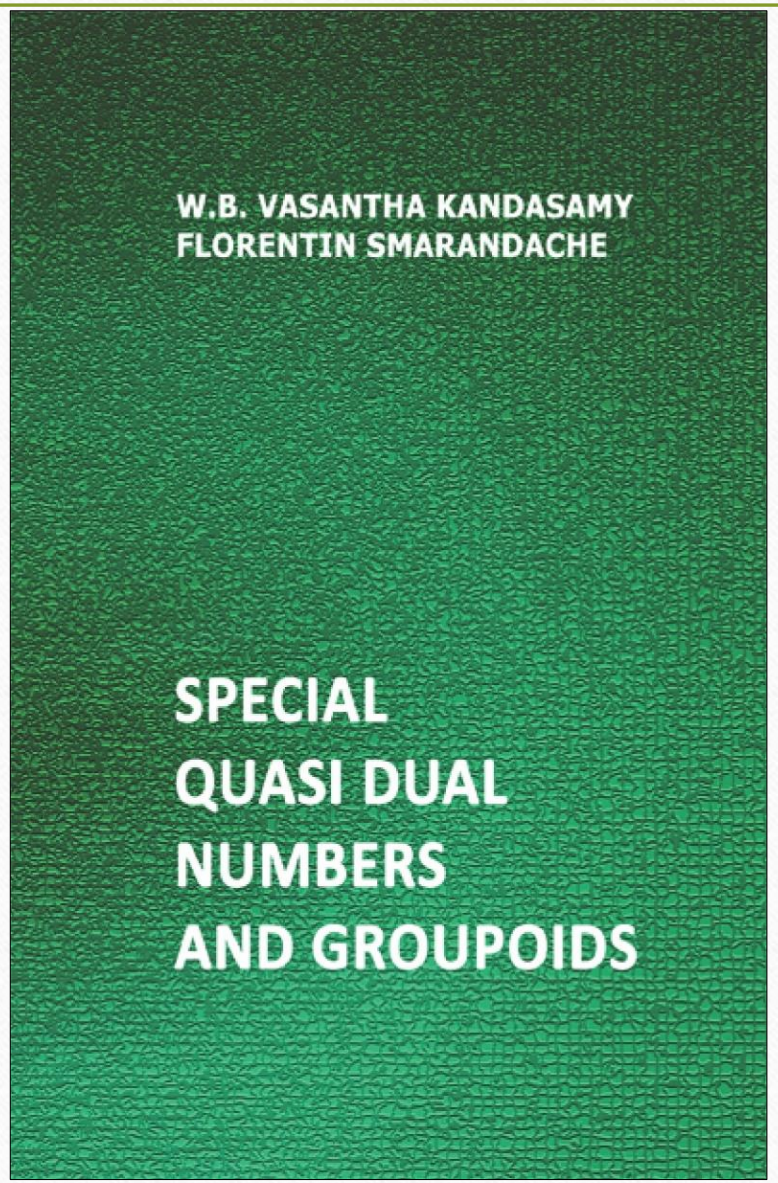
W. B. Vasantha Kandasamy, Florentin Smarandache: **Special Dual Like Numbers and Lattices**. Columbus, OH, USA: Zip Publishing, 2012, 246 p.

Keywords: Neutrosophic Numbers, Mixed Dual Numbers, Special Dual Like Numbers, Idempotent, Lattices, Linear Operators.

In this book we define x = a+bg to be a special dual like number, where a, b are reals and g is a new element such that g^2 = g. The new element which is idempotent can be got from Z_n or from lattices or from linear operators. Mixed dual numbers are constructed using dual numbers and special dual like numbers.

Neutrosophic numbers are a natural source of special dual like numbers, since they have the form a+bI, where I = indeterminate and I^2 = I.

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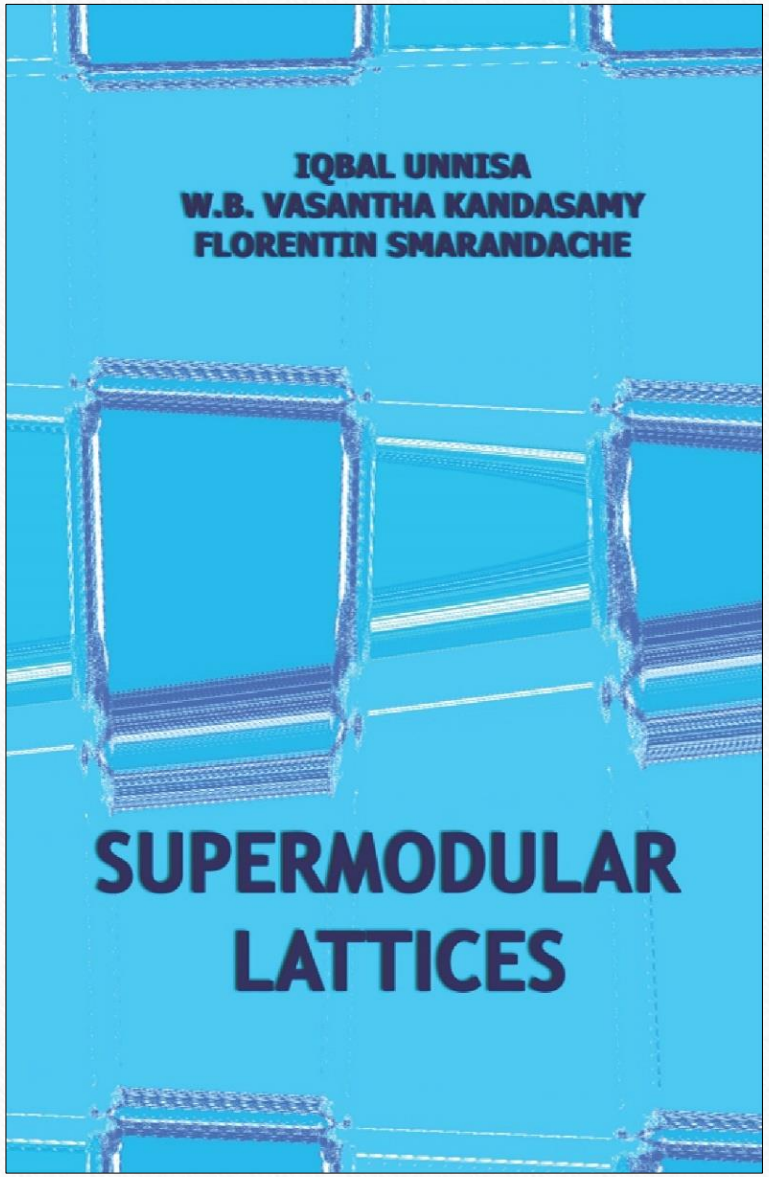


W. B. Vasantha Kandasamy, Florentin Smarandache: **Special Quasi Dual Numbers and Groupoids**. Columbus, OH, USA: Zip Publishing, 2012, 193 p.

Keywords: Special Quasi Dual Numbers, Non Associative Structures, Modulo Integers, Higher Dimensional Quasi Special Dual Numbers, Groupoids, Dual Numbers, Mixed Structures.

A new notion of special quasi dual numbers is introduced. If a+bg is the special quasi dual number with a, b reals, g the new element is such that g^2 = - g. The rich source of getting new elements of the form g^2 = - g is from Z_n, the ring of modulo integers. For the first time the authors construct non associative structures using them. The authors have proposed some research problems.

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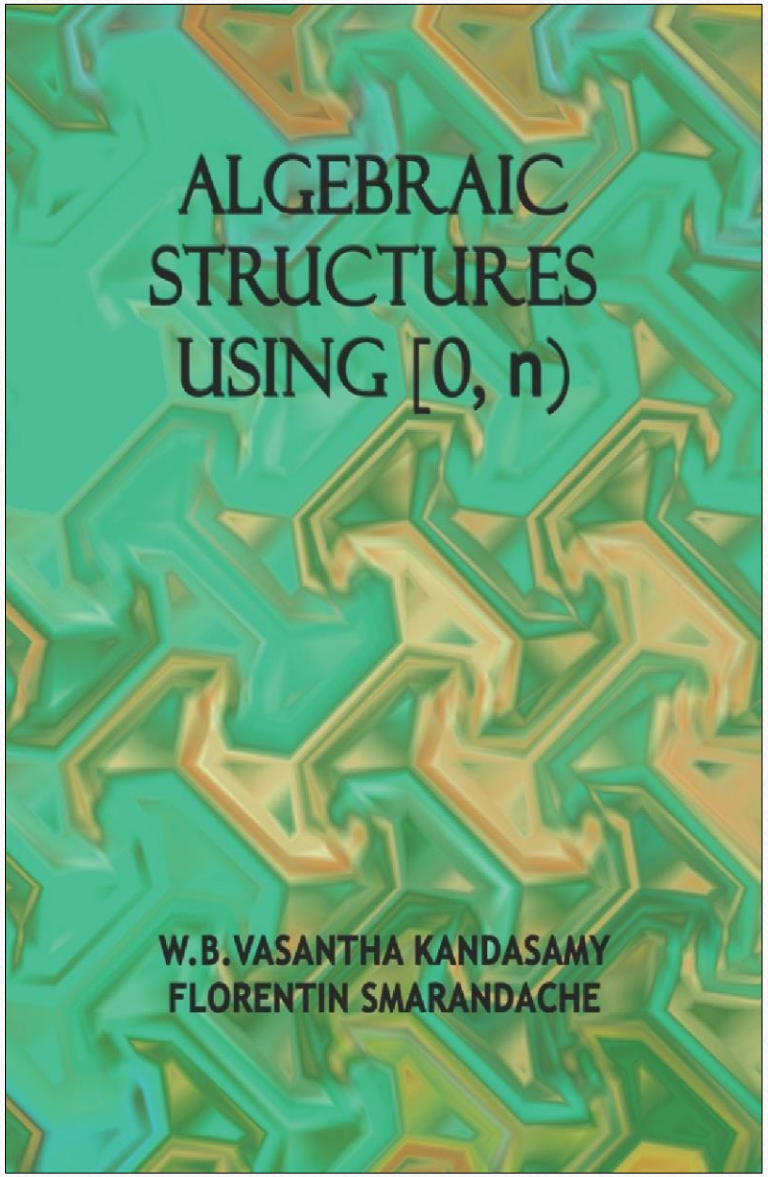
Iqbal Unnisa, W. B. Vasantha Kandasamy, Florentin Smarandache: **Supermodular Lattices**. Columbus, OH, USA: Educational Publisher, 2012, 132 p.

Keywords: Lattice, Distributive Lattices, Modular Lattices, Supermodular Lattices, Semi-Supermodular Lattices, Smarandache Lattices, GB-Algebraic Structures.

In lattice theory the two well known equational class of lattices are the distributive lattices and the modular lattices. All distributive lattices are modular however a modular lattice in general is not distributive. In this book, new classes of lattices called supermodular lattices and semi-supermodular lattices are introduced and characterized. We define the concept of Smarandache lattices and GB-algebraic structures are characterized in chapters six and seven respectively.

This book has seven chapters. Chapter one is introductory in nature. A simple modular lattice of finite length is introduced and characterized in chapter three. In chapter four the notion of supermodular lattices is introduced and characterized and chapter five introduces the notion of n-semi-supermodular lattices and characterizes them.

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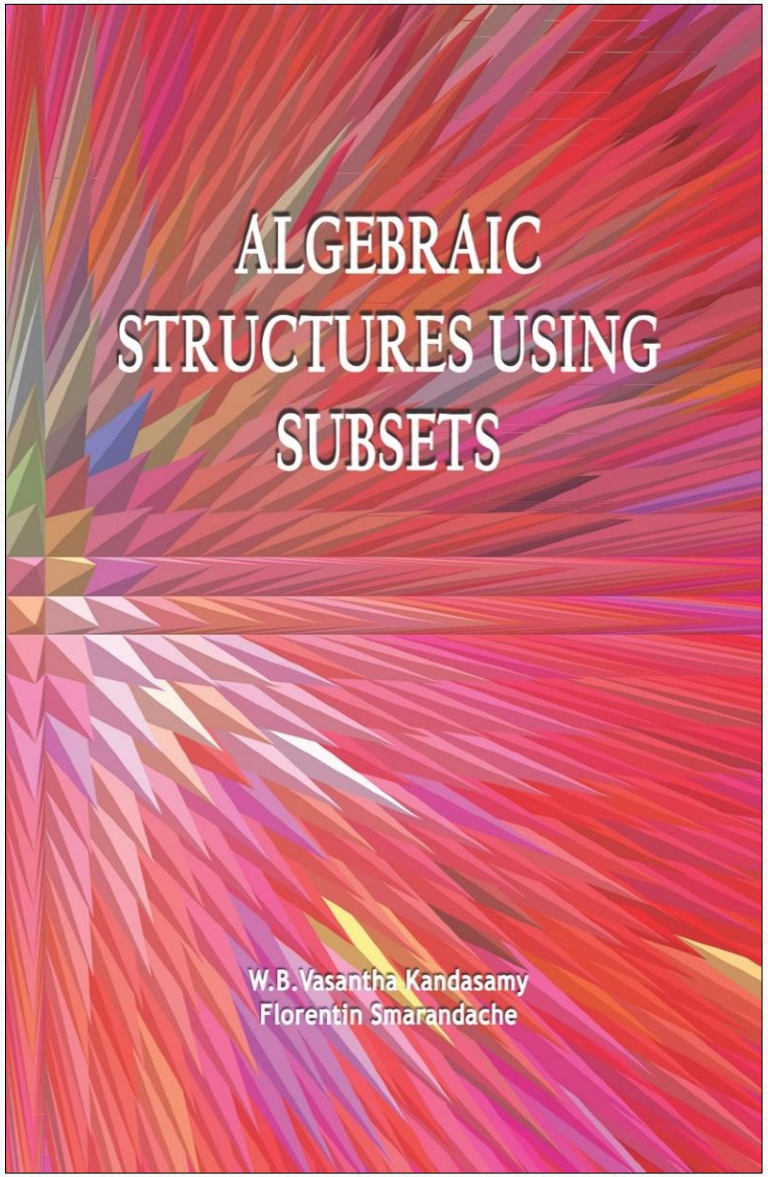
W. B. Vasantha Kandasamy, Florentin Smarandache: **Algebraic Structures Using [0,n)**. Columbus, OH, USA: Educational Publisher, 2013, 216 p.

Keywords: Algebraic Structures, Interval, Semigroup, Ring, Semiring, Infinite Order.

In this book authors for the first time introduce a new method of building algebraic structures on the interval [0, n). This study is interesting and innovative. However, [0, n) is a semigroup under product, × modulo n and a semigroup under min or max operation. Further [0, n) is a group under addition modulo n.

The authors see [0, n) under both max and min operation is a semiring. [0, n) under + and × is not in general a ring. The authors define S = {[0, n), +, ×} to be a pseudo special ring as the distributive law is not true in general for all a, b ε S. When n is a prime, S is defined as the pseudo special interval domain which is of infinite order for all values of n, n a natural integer. Several special properties about these structures are studied and analyzed in this book. Certainly these new algebraic structures will find several application in due course of time. All these algebraic structures built using the interval [0, n) is of infinite order.

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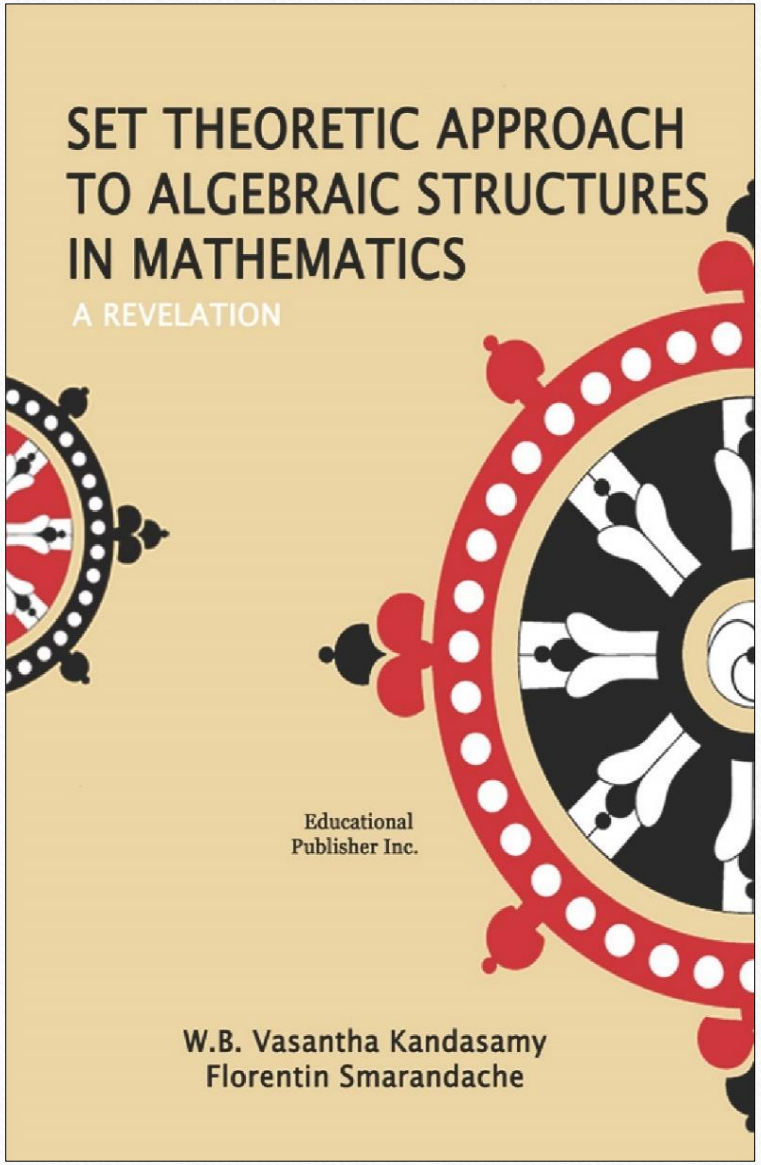


W. B. Vasantha Kandasamy, Florentin Smarandache: **Algebraic Structures using Subsets**. Columbus, OH, USA: Educational Publisher, 2013, 197 p.

Keywords: Algebraic Structures, Sets, Subsets, Semigroups, Ring, Subset Semirings, Semivector, Subset Semivector Spaces, Finite Order.

Study of algebraic structures using subsets was started by George Boole. After the invention of Boolean algebra, subsets were not used in any algebraic structures. In this book we develop algebraic structures using subsets of a set, or of a group, or semigroup, or a ring and we get algebraic structures. Using ring or semiring we get only subset semirings. By the method we get an infinite number of non-commutative semirings of finite order. We build subset semivector spaces, and describe and develop interesting properties over them.

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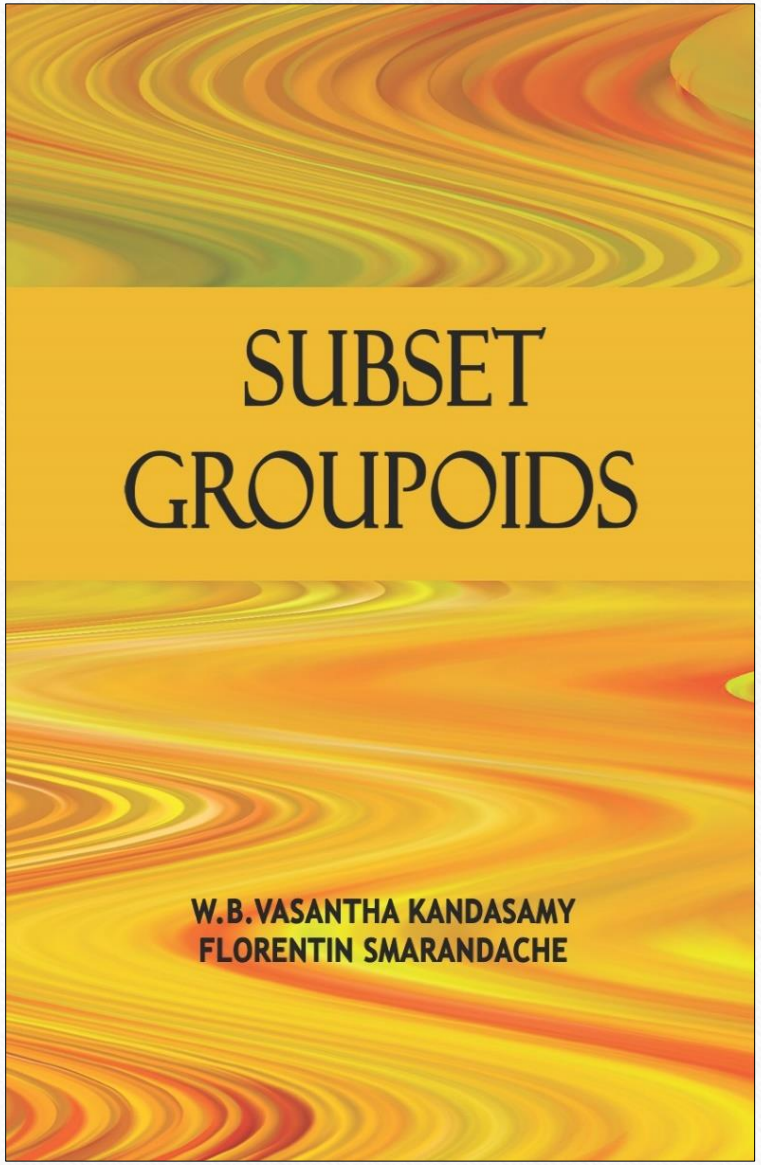


W. B. Vasantha Kandasamy, Florentin Smarandache: **Set Theoretic Approach to Algebraic Structures in Mathematics.** *A Revelation.* Columbus, OH, USA: Educational Publisher, 2013, 166 p.

Keywords: Algebraic Structure, Set Linear Algebra, Vector Space, Quasi Set Vector Subspaces, Topological Spaces.

In this book authors bring out how sets in algebraic structure can be used to construct most generalized algebraic structures, like set linear algebra/vector space, set ideals in rings and semigroups. This sort of study is not only innovative but infact very helpful in cases instead of working with a large data we can work with a considerably small data. Thus instead of working with a vector space or a linear algebra V over a field F we can work with a subset in V and a needed subset in F, this can save both time and economy. The concept of quasi set vector subspaces over a set or set vector spaces over a set are some examples of how sets are used and algebraic structures are given to them. Further these set algebraic structures are used in the following, in the first place they are used in the construction of topological spaces of different types, which basically depend on the set over which the collection of subspaces are defined. For instance given a vector space defined over the field we can have one and only one topological space of subspaces associated with it, however for a given vector space we can have several topological set vector spaces associated with it; that too depending on the subsets which we choose in the field F. This notion has several advantages for we can use a needed part of the structure and study the problem.

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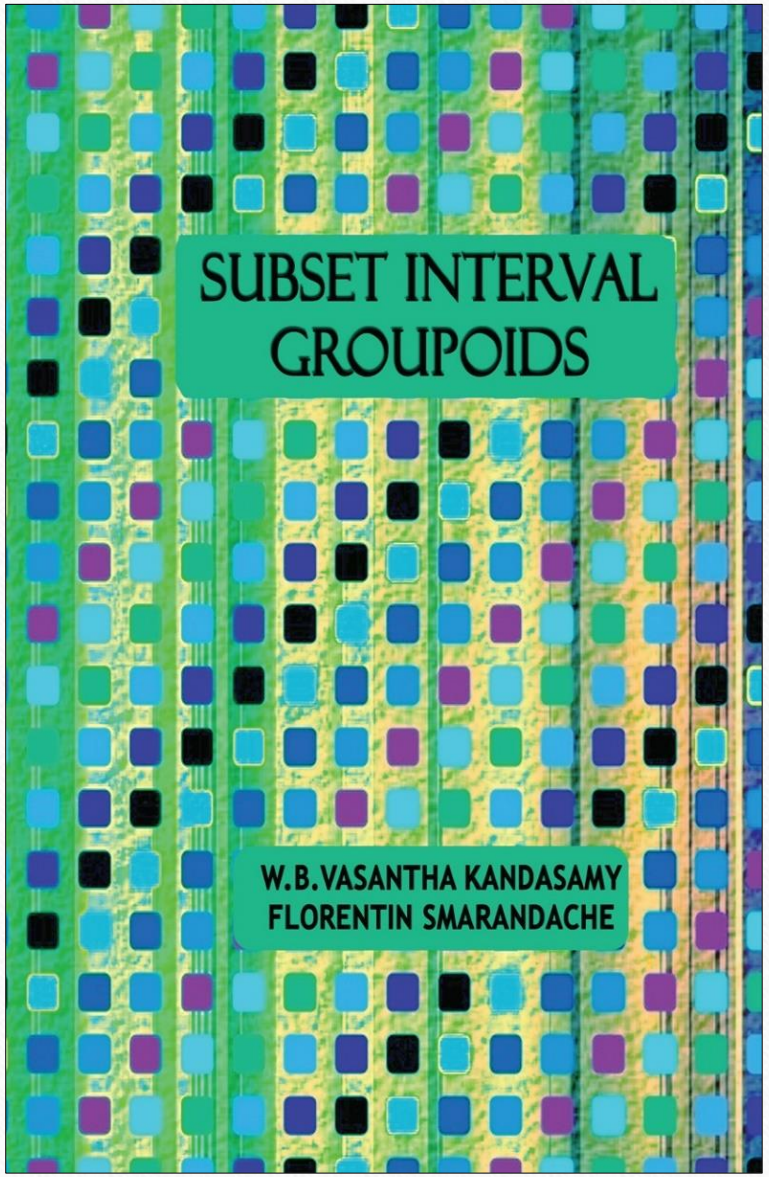


W. B. Vasantha Kandasamy, Florentin Smarandache: **Subset Groupoids**.
Los Angeles, CA, USA: Educational Publisher, 2013, 149 p.

Keywords: Algebraic Structures, Smarandache Subset Moufang Groupoid, Smarandache Subset P-Groupoids, Bol Groupoids, P-Groupoids.

In this book authors introduce the new notion of constructing non associative algebraic structures using subsets of a groupoid. Thus subset groupoids are constructed using groupoids or loops. Even if we use subsets of loops still the algebraic structure we get with it is only a groupoid. However we can get a proper subset of it to be a subset loop which will be isomorphic with the loop which was used in the construction of the subset groupoid. We get a large class of finite subset groupoids as well as a large class of infinite subset groupoids. Here we find the conditions under which these subset groupoids satisfy special identities like Bol identity, Moufang identity, right alternative identity and so on. In fact it is a open problem to find subset groupoids to satisfy special identities even if the groupoids over which they are defined do not satisfy any of the special identities. We define the notion of Smarandache strong Bol subset groupoids or Smarandache Bol groupoids if the respective respectively. This book has three chapters. The first chapter is introductory in nature. In second chapter we introduce the notion of subset groupoids using groupoids. In chapter three we build subset groupoids using the loops. Several innovative results are developed and described in this book.

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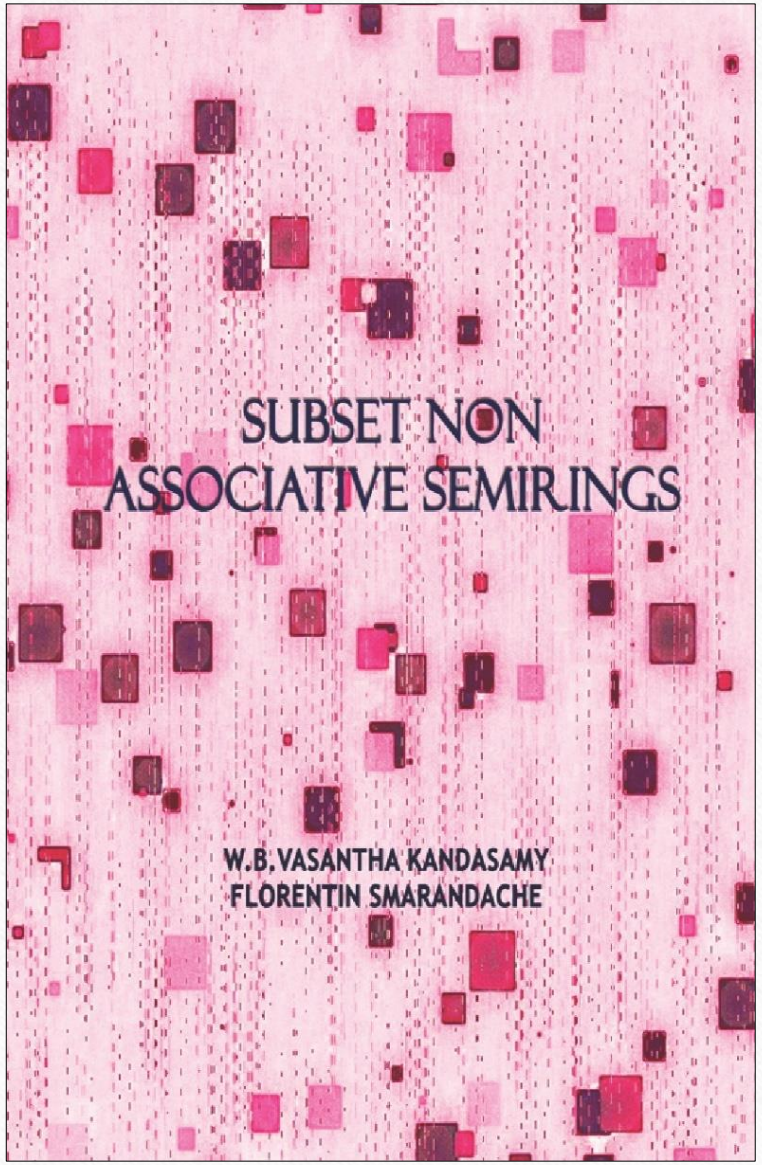


W. B. Vasantha Kandasamy, Florentin Smarandache: **Subset Interval Groupoids**. Columbus, OH, USA: Educational Publisher, 2013, 246 p.

Keywords: Groupoids, Loop, Zero Divisors, Topological Spaces, Interval Idempotents, Homomorphism.

The study of groupoids is meager and we have recently introduced the new notion of subset groupoids and have studied them. It is interesting to keep on record that interval groupoids have been studied by us in 2010. Further when the subsets of a loop are taken they also form only a subset groupoid and not a subset loop. Thus we do not have the concept of subset interval loop they only form a subset interval groupoid. Special elements like subset interval zero divisors, subset interval idempotents and subset interval units are studied. Concept of subset interval groupoid homomorphism is developed. It is interesting to note several nice properties are developed in this book on subset interval groupoids nearly 12 theorems are given about these subset interval groupoids to satisfy special identities. Over 10 theorems about these subset interval matrix groupoids using these special types of loops and subset interval polynomial groupoids using these loops are developed and described. On these subset interval groupoids two non associative topological spaces are built this is the first time we develop a new type of non associative topological spaces.

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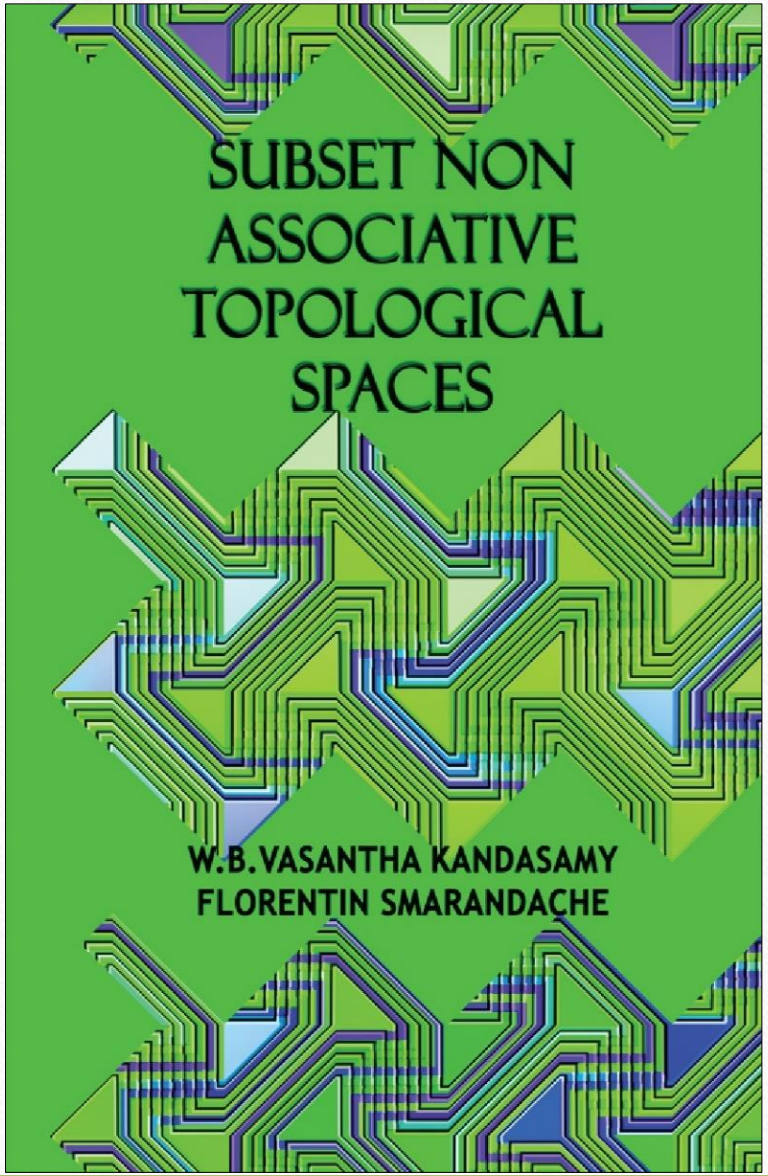


W. B. Vasantha Kandasamy, Florentin Smarandache: **Subset Non Associative Semirings**. Columbus, OH, USA: Educational Publisher, 2013, 207 p.

Keywords: Algebraic Structures, Rings, Subset Non Associative Semirings, Binary Operations, Semigroup, Finite Order, Lattice.

In this book for the first time we introduce the notion of subset non associative semirings. It is pertinent to keep on record that study of non associative semirings is meager and books on this specific topic is still rare. Authors have recently introduced the notion of subset algebraic structures. The maximum algebraic structure enjoyed by subsets with two binary operations is just a semifield and semiring, even if a ring or a field is used. In case semigroups or groups are used still the algebraic structure of the subset is only a semigroup. To construct a subset non associative semiring we use either a non associative ring or a non associative semiring. This study is innovative and interesting. We construct subset non associative semirings using groupoids. We define notions like Smarandache non associative subset semirings, sub structures in them and study their properties. Finite subset non associative semirings are constructed using the groupoid lattice LP where L is a finite distributive lattice and P is a groupoid of finite order. Using also loop lattice we can have finite subset non associative semirings. When in the place of the lattice a semiring is used we get non associative semirings and the collection all subsets of them form a subset non associative semiring.

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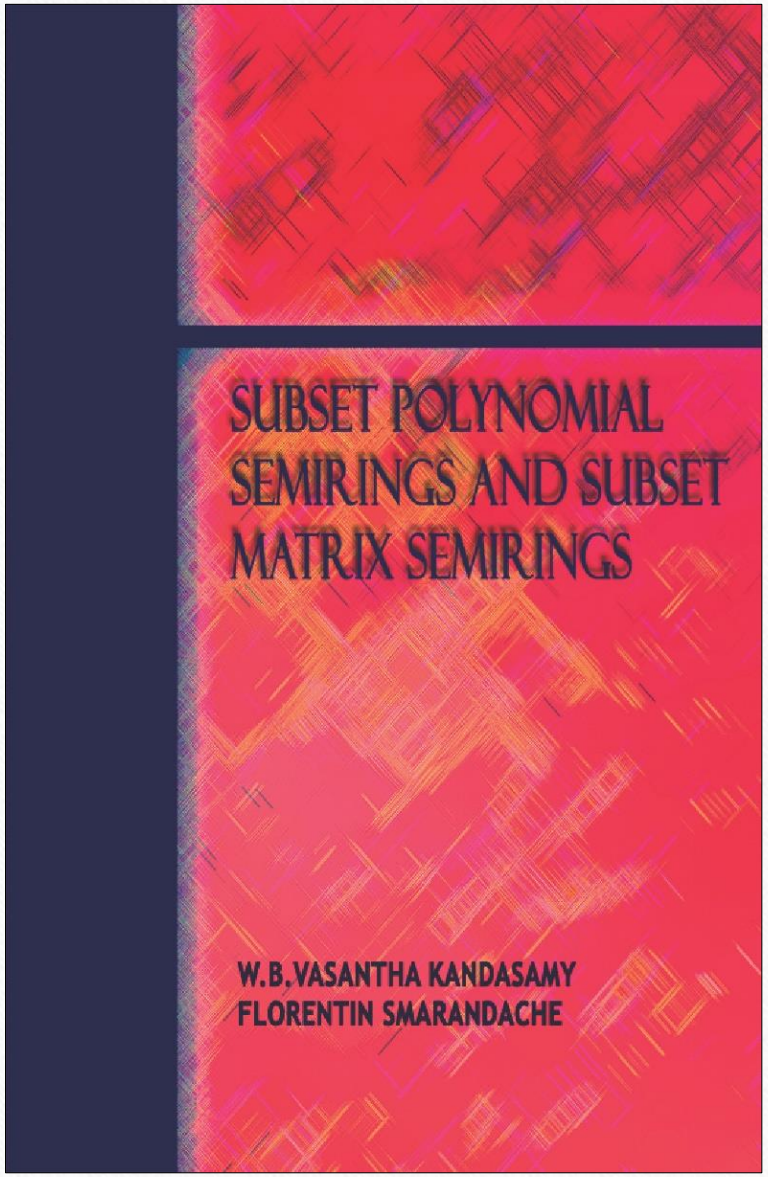


W. B. Vasantha Kandasamy, Florentin Smarandache: **Subset Non Associative Topological Spaces**. Columbus, OH, USA: Educational Publisher, 2013, 211 p.

Keywords: Loops, Groupoids, Non Associative Rings, Non Associative Semirings, Bol, Moufang, Right Alternative.

The concept of non associative topological space is new and innovative. In general topological spaces are defined as union and intersection of subsets of a set X. In this book authors for the first time define non associative topological spaces using subsets of groupoids or subsets of loops or subsets of groupoid rings or subsets of loop rings. This study leads to several interesting results in this direction. Over hundred problems on non associative topological spaces using of subsets of loops or groupoids is suggested at the end of chapter two. Also conditions for these non associative subset topological spaces to satisfy special identities is also discussed and determined. Chapter three develops subset non associative topological spaces by using non associative ring or semirings. Over 90 problems are suggested for this chapter. These non associative subset topological spaces can be got by using matrices. We also find non associative topological spaces which satisfies special identities. Certainly this study can lead to a lot of applications as this notion is very new.

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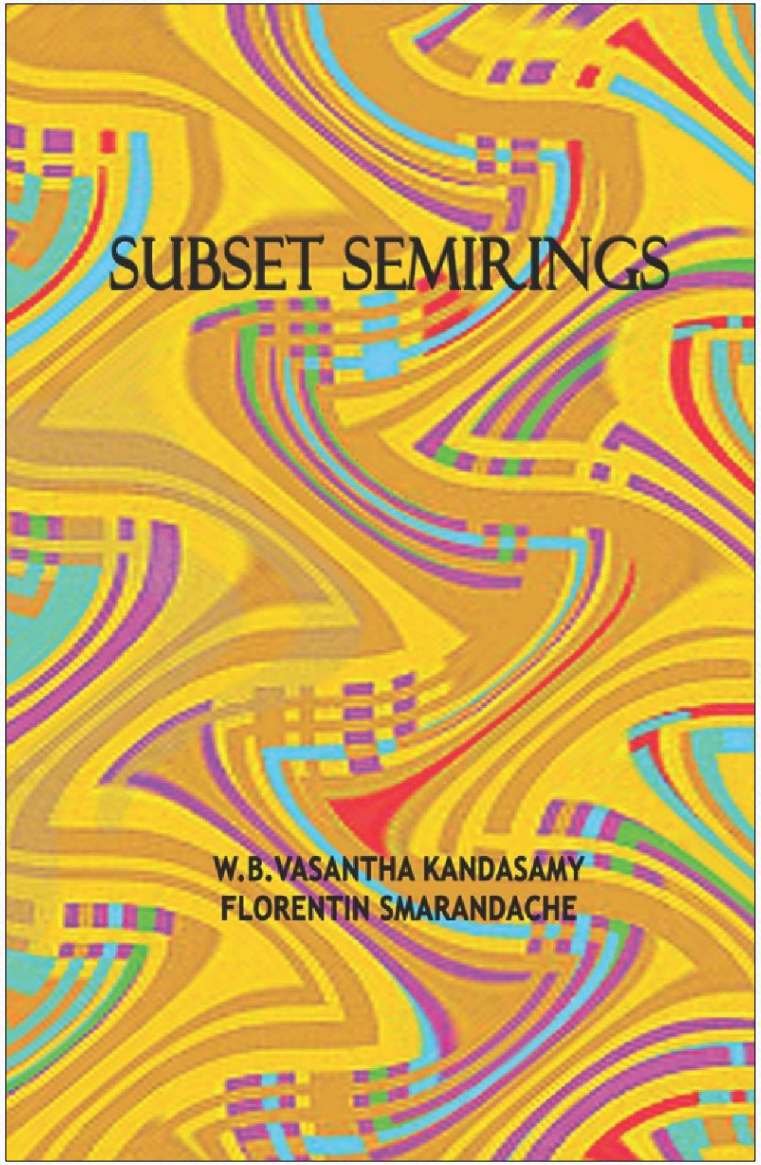
W. B. Vasantha Kandasamy, Florentin Smarandache: **Subset Polynomial Semirings and Subset Matrix Semirings.** Columbus, OH, USA: Educational Publisher, 2013, 267 p.

Keywords: Subset Matrices, Polynomial Subsets, Subset Polynomial Semivector Spaces, Subset Matrix Semivector Spaces.

In this book authors introduce the notion of subset polynomial semirings and subset matrix semirings. The study of algebraic structures using subsets were recently carried out by the authors. Here we define the notion of subset row matrices, subset column matrices and subset m × n matrices. Study of this kind is developed in chapter two of this book.

The collection of subsets from the polynomial ring or a polynomial semiring can have only a semiring structure. Several types of subset polynomial semirings are defined described and developed in chapter three of this book. Using the subset polynomials (subset matrices) we built subset semivector spaces. Study in this direction is interesting and innovative which forms the chapter four of this book. Every chapter is followed by a collection of problems.

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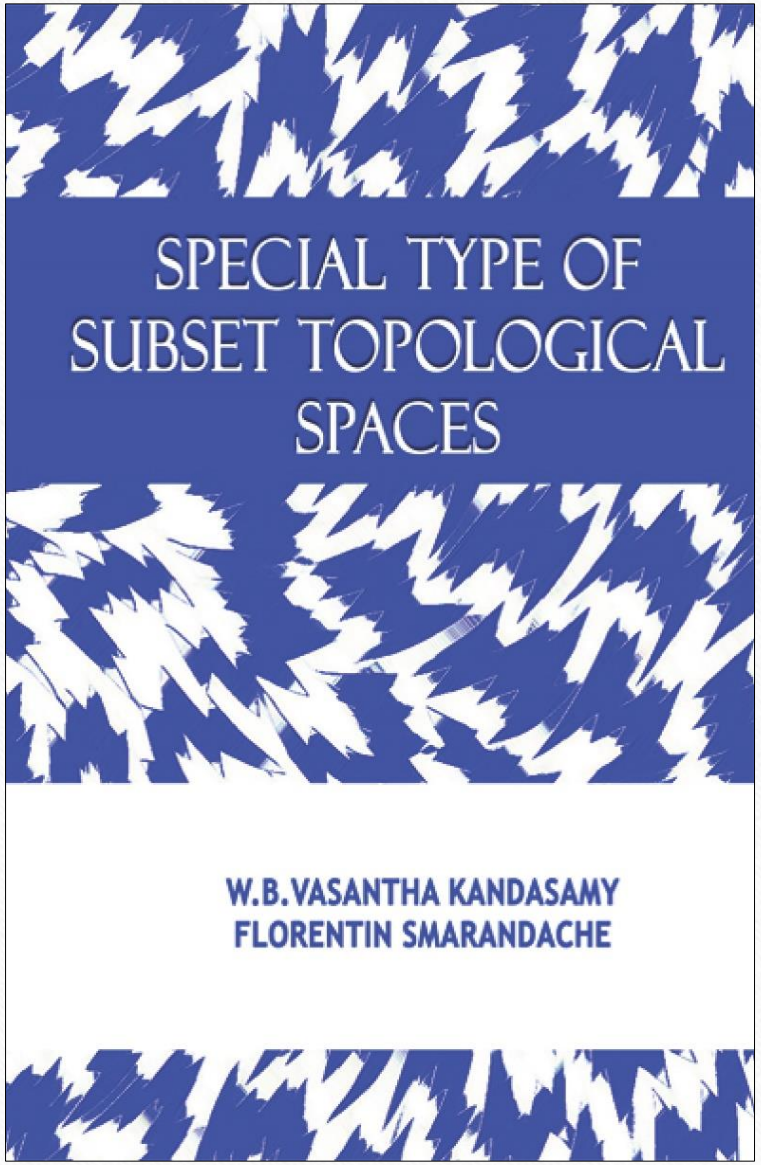


W. B. Vasantha Kandasamy, Florentin Smarandache: **Subset Semirings**. Columbus, OH, USA: Educational Publisher, 2013, 260 p.

Keywords: Algebraic Structures, Semigroups, Groupoids, Semirings, Non Commutative Topological Spaces, Non Associative Topological Spaces, Semivector Spaces, Semilinear Algebras, Boolean Algebras.

In this book authors study the new notion of the algebraic structure of the subset semirings using the subsets of rings or semirings. This study is innovative and interesting for the authors feel giving algebraic structure to collection of sets is not a new study, for when set theory was introduced such study was in vogue. But a systematic development of constructing algebraic structures using subsets of a set is absent, except for the set topology and in the construction of Boolean algebras. The authors have explored the study of constructing subset algebraic structures like semigroups, groupoids, semirings, non commutative topological spaces, non associative topological spaces, semivector spaces and semilinear algebras. We have constructed semirings using rings of both finite and infinite order. Thus using finite rings we are in a position to construct infinite number of finite semirings both commutative as well as non commutative. It is important to keep on record we have mainly distributive lattices of finite order which contribute for finite semirings. However this new algebraic structure helps to give several finite semirings. This is the advantage of using this new algebraic structure.

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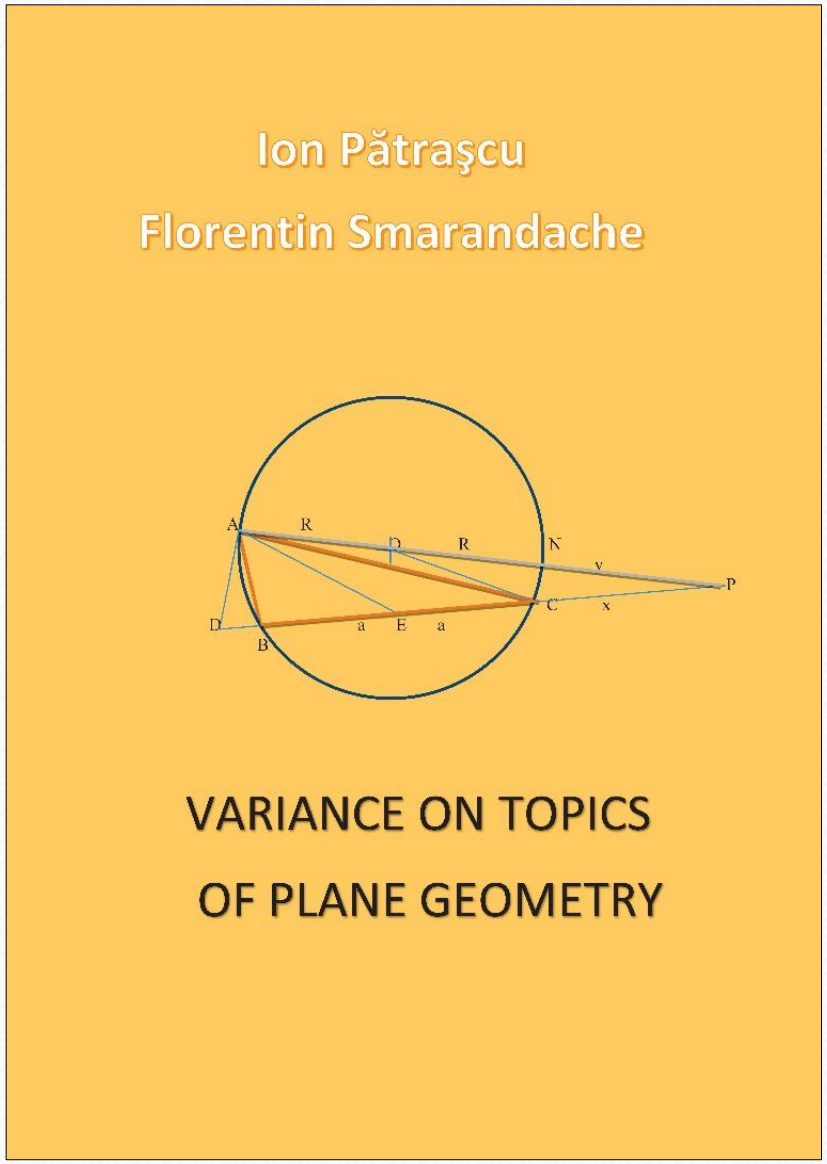


W. B. Vasantha Kandasamy, Florentin Smarandache: **Special Type of Subset Topological Spaces.** Columbus, OH, USA: Educational Publisher, 2013, 241 p.

Keywords: Groups, Semigroups, Rings, Semirings, Sets, Subsets, Special Subset Topological Spaces.

In this book we construct special subset topological spaces using subsets from semigroups or groups or rings or semirings. Such study is carried out for the first time and it is both interesting and innovative. Suppose P is a semigroup and S is the collection of all subsets of P together with the empty set, then S can be given three types of topologies and all the three related topological spaces are distinct and results in more types of topological spaces. When the semigroup is finite, S gives more types of finite topological spaces. The same is true in case of groups also. Several interesting properties enjoyed by them are also discussed in this book. In case of subset semigroup using semigroup P we can have subset set ideal topological spaces built using subsemigroups. The advantage of this notion is we can have as many subset set ideal topological spaces as the number of semigroups in P. In case of subset semigroups using groups we can use the subset subsemigroups to build subset set ideal topological spaces over these subset semigroups. This is true in case of subset semigroups which are built using semigroups also. Finally these special subset topological spaces can also be non commutative depending on the semigroup or the group.

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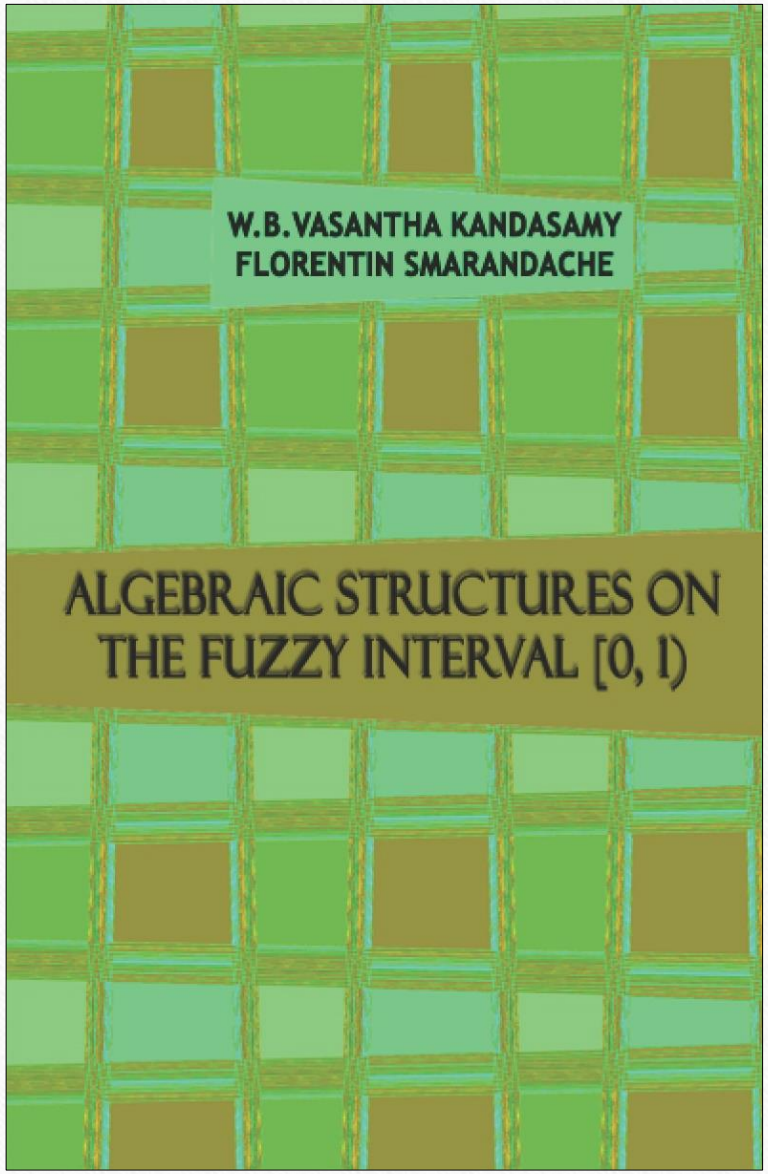


Ion Patrascu, Florentin Smarandache: **Variance of Topics of Plane Geometry.** Columbus, OH, USA: Educational Publisher, 2013, 112 p.

Keywords: Carnot Circles, Euler's Line, Desargues Theorem, Sondat's Theorem, Dergiades Theorem, Stevanovic's Theorem, Pantazi's Theorem, Newton's Theorem, Cevians, Nedians, Polars, Anti-Bisectors, Symmedians, Anti-Heights.

This book contains 21 papers of plane geometry. It deals with various topics, such as: quasi-isogonal cevians, nedians, polar of a point with respect to a circle, anti-bisector, aalsonti-symmedian, anti-height and their isogonal. A nedian is a line segment that has its origin in a triangle's vertex and divides the opposite side in n equal segments. The papers also study distances between remarkable points in the 2D-geometry, the circumscribed octagon and the inscribable octagon, the circles adjointly ex-inscribed associated to a triangle, and several classical results such as: Carnot circles, Euler's line, Desargues theorem, Sondat's theorem, Dergiades theorem, Stevanovic's theorem, Pantazi's theorem, and Newton's theorem. Special attention is given in this book to orthological triangles, biorthological triangles, ortho-homological triangles, and trihomological triangles. Each paper is independent of the others. Yet, papers on the same or similar topics are listed together one after the other. The book is intended for College and University students and instructors that prepare for mathematical competitions such as National and International Mathematical Olympiads, or for the AMATYC (American Mathematical Association for Two Year Colleges) student competition, Putnam competition, Gheorghe Ţiţeica Romanian competition, and so on. The book is also useful for geometrical researchers.

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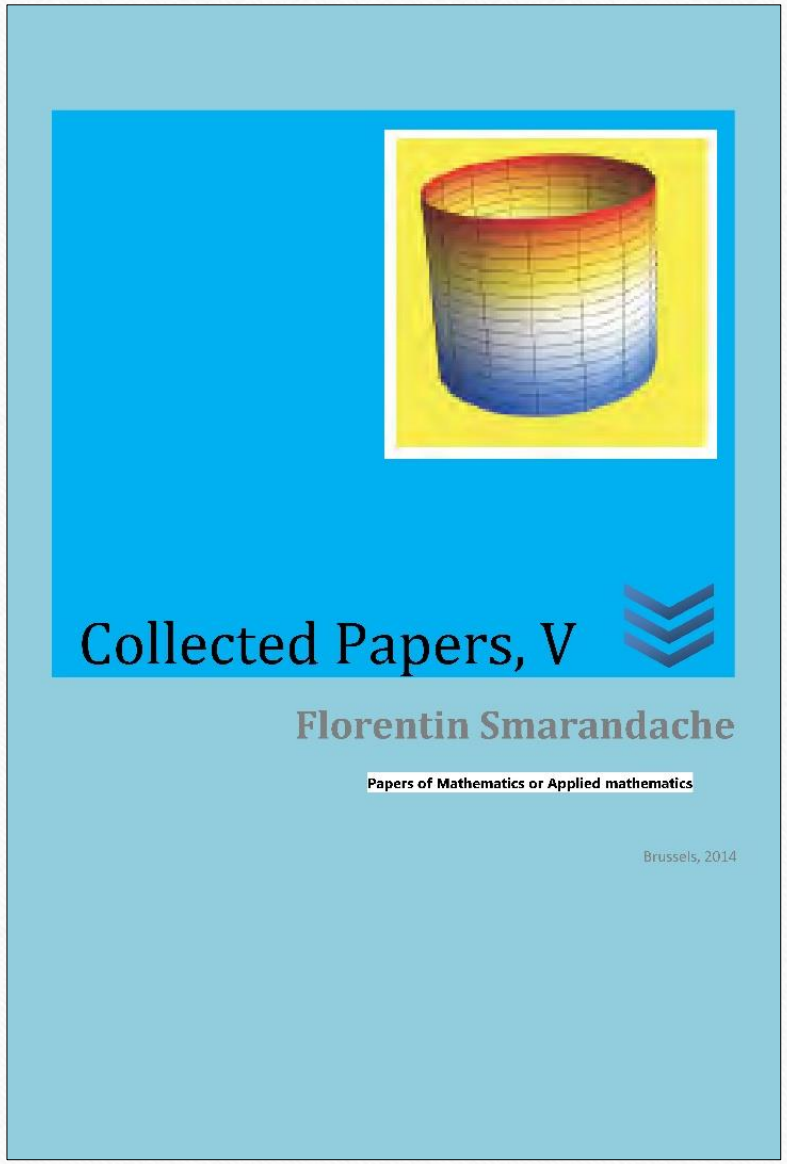


W. B. Vasantha Kandasamy, Florentin Smarandache: **Algebraic Structures on the Fuzzy Interval [0, 1).** Columbus, OH, USA: Educational Publisher, 2014, 250 p.

Keywords: Algebraic Structures, Fuzzy Interval, Idempotents, Zero Divisors, Semigroup, Semiring.

In this book we introduce several algebraic structures on the special fuzzy interval [0, 1). This study is different from that of the algebraic structures using the interval [0, n) $n \neq 1$, as these structures on [0, 1) has no idempotents or zero divisors under ×. Further [0, 1) under product × is only a semigroup. However by defining min(or max) operation in [0, 1); [0, 1) is made into a semigroup. The semigroup under × has no finite subsemigroups but under min or max we have subsemigroups of order one, two and so on. [0, 1) under + modulo 1 is a group and [0, 1) has finite subgroups. We study [0, 1) with two binary operations min and max resulting in semiring of infinite order. This has no subsemirings which is both an ideal and a filter. However pseudo semiring under min and × has subsemirings which is both a filter and an ideal. Construction and study of pseudo rings on [0, 1) is interesting as distributive law is not true. Study of algebraic structures on the fuzzy interval [0, 1) is innovative and interesting.

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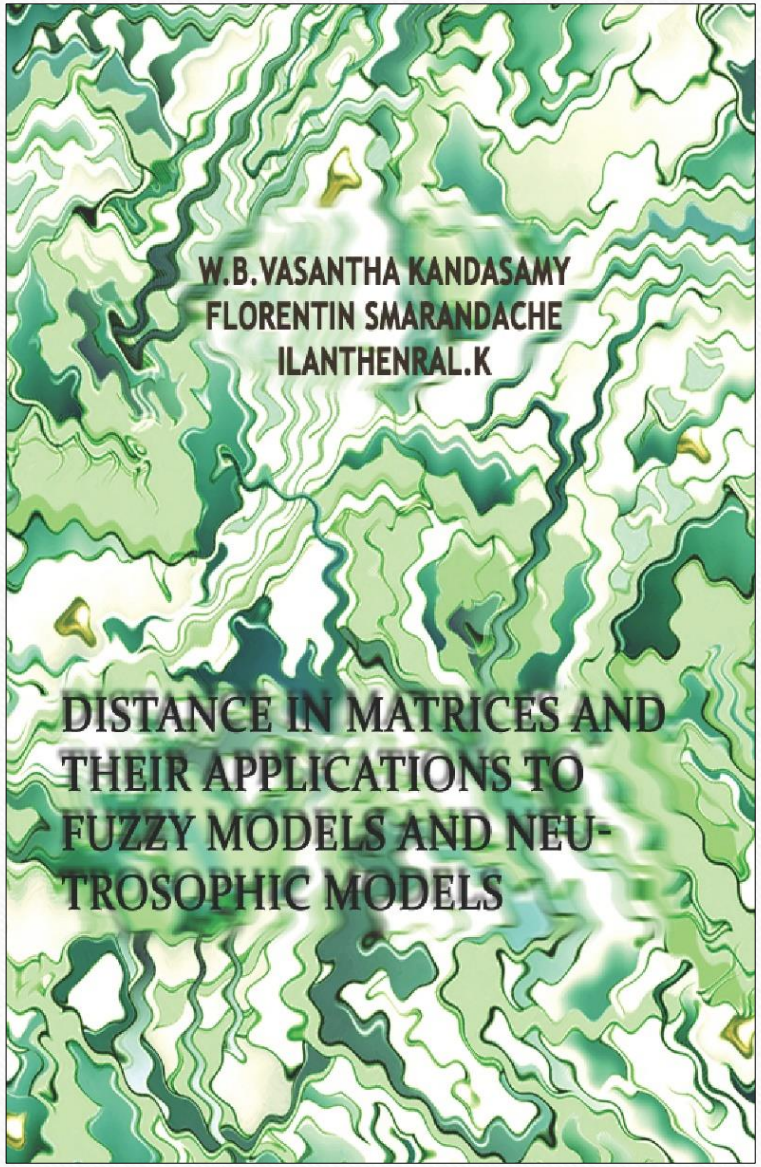


Florentin Smarandache: **Collected Papers: Papers of Mathematics or Applied Mathematics.** *Fifth volume.* Brussels, Belgium: EuropaNova, 2014, 334 p.

Keywords: Hyperbolic Menelaus Theorem, Poincare Disc, Hyperbolic Geometry, Harmonic Quadrilateral, Apollonius Circles, Luhn Prime Numbers, Eccentric Mathematics, Vanden Eynden's Conjecture, Centric Mathematics.

This volum includes 37 papers of mathematics or applied mathematics written by the author alone or in collaboration with the following co-authors: Cătălin Barbu, Mihály Bencze, Octavian Cira, Marian Nițu, Ion Pătrașcu, Mircea E. Șelariu, Rajan Alex, Xingsen Li, Tudor Păroiu, Luige Vlădăreanu, Victor Vlădăreanu, Ștefan Vlăduţescu, Yingjie Tian, Mohd Anasri, Lucian Căpitanu, Valeri Kroumov, Kimihiro Okuyama, Gabriela Tonţ, A. A. Adewara, Manoj K. Chaudhary, Mukesh Kumar, Sachin Malik, Alka Mittal, Neetish Sharma, Rakesh K. Shukla, Ashish K. Singh, Jayant Singh, Rajesh Singh,V.V. Singh, Hansraj Yadav, Amit Bhaghel, Dipti Chauhan, V. Christianto, Priti Singh, and Dmitri Rabounski.

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W. B. Vasantha Kandasamy, Florentin Smarandache, Ilanthenral K.: **Distance in Matrices and Their Applications to Fuzzy Models and Neutrosophic Models**. Brussels, Belgium: EuropaNova, 2014, 169 p.

Keywords: Distance, Matrix, Eigen Values, Eigen Vectors, Open Conjectures, Cryptography.

In this book authors for the first time introduce the notion of distance between any two m x n matrices. If the distance is 0 or m x n there is nothing interesting. When the distance happens to be a value t; $0 < t < m \times n$ the study is both innovating and interesting. The three cases of study which is carried out in this book are:

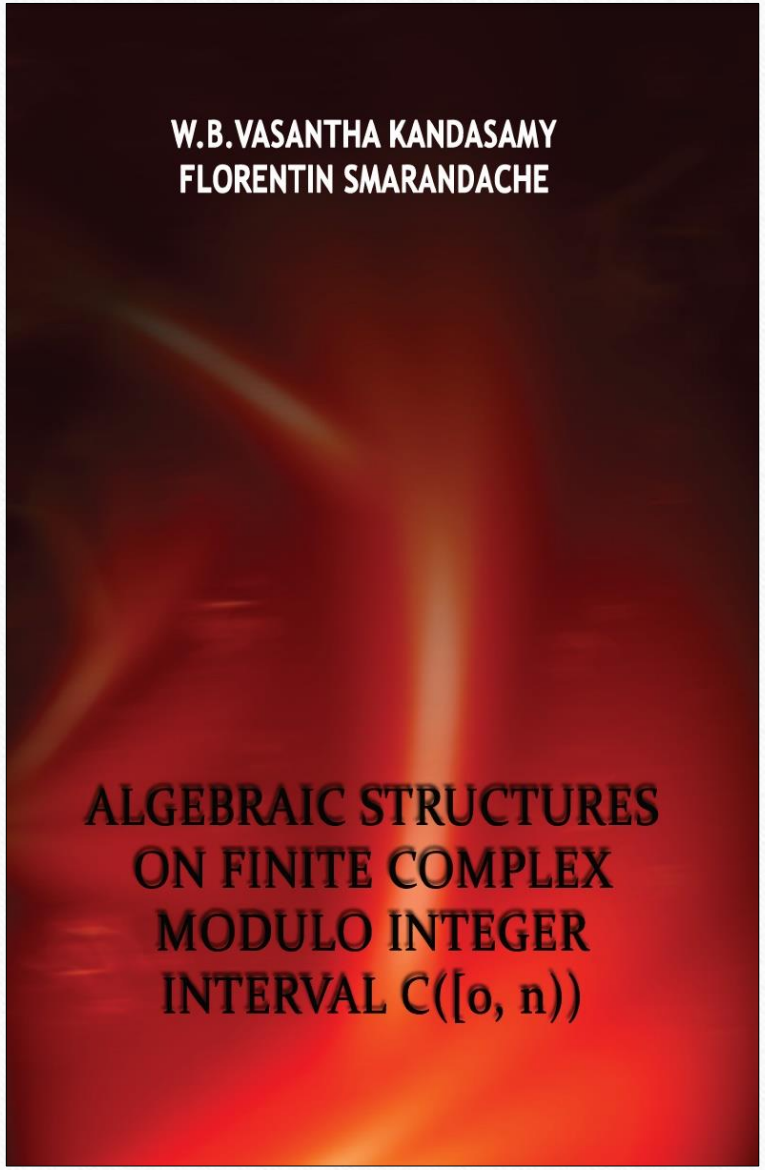
1. If the difference between two square matrices is large, will it imply the eigen values and eigen vectors of those matrices are distinct? Several open conjectures in this direction are given.

2. The difference between parity check matrix and the generator matrix for the same C(n, k) code is studied. This will help in detecting errors in storage systems as well as in cryptography.

3. Finally this concept of difference in matrices associated with fuzzy models can be implemented in the study of the deviance or closeness of the expert on any common problem.

Thus in this book the notion of difference in matrices is applied to different sets of problems which is both innovative and interesting. Several open conjecture makes this book a boon to any researcher.

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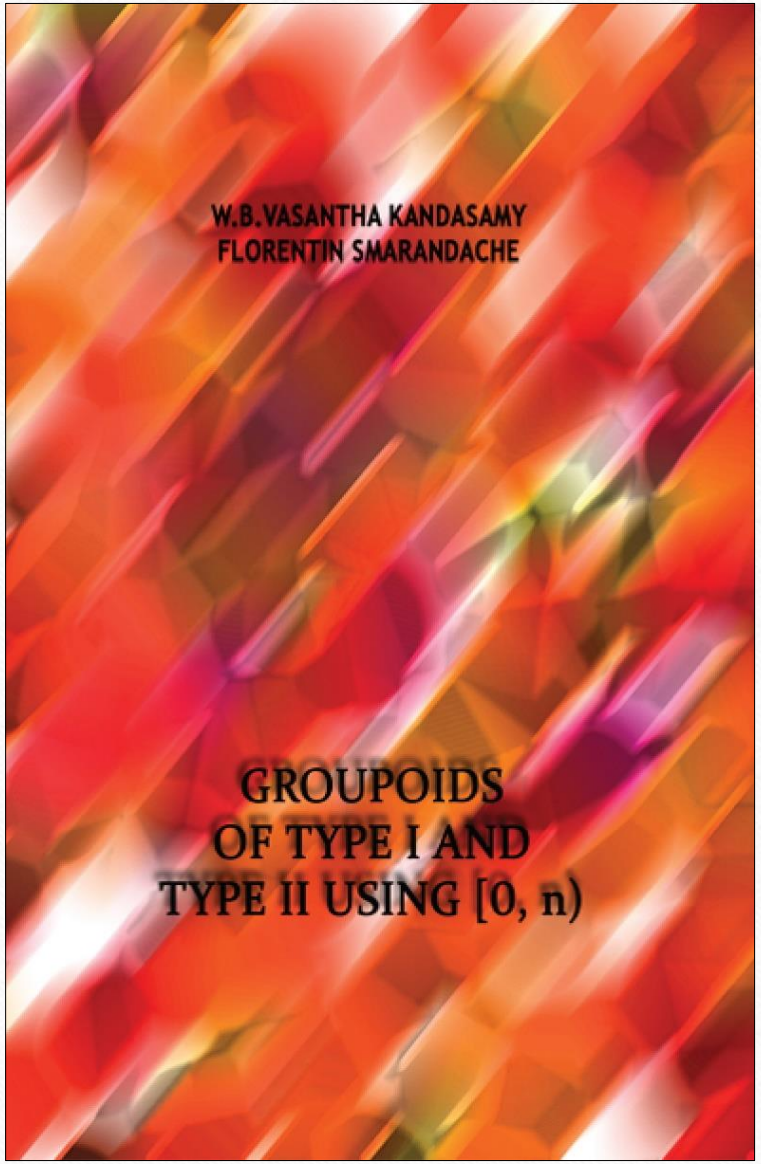


W. B. Vasantha Kandasamy, Florentin Smarandache: **Algebraic Structures on Finite Complex Modulo Integer Interval C([0, n)).** Columbus, OH, USA: Education Publisher, 2014, 235 p.

Keywords: Algebraic Structures, Finite Complex Modulo Integer, Intervals, Finite Complex Number, Distributive Law, Pseudo Vector Spaces, Pseudo Linear Algebras.

In this book authors introduce the notion of finite complex modulo integer intervals. Finite complex modulo integers was introduced by the authors in 2011. Now using this finite complex modulo integer intervals several algebraic structures are built. Further the concept of finite complex modulo integers itself happens to be new and innovative for in case of finite complex modulo integers the square value of the finite complex number varies with varying n of Zn. In case of finite complex modulo integer intervals also we can have only pseudo ring as the distributive law is not true, in general in C([0, n)). Finally the concepts of pseudo vector spaces and pseudo linear algebras are introduced. At every stage the neutrosophic analogue is also defined, developed and described. There are several open problems suggested.

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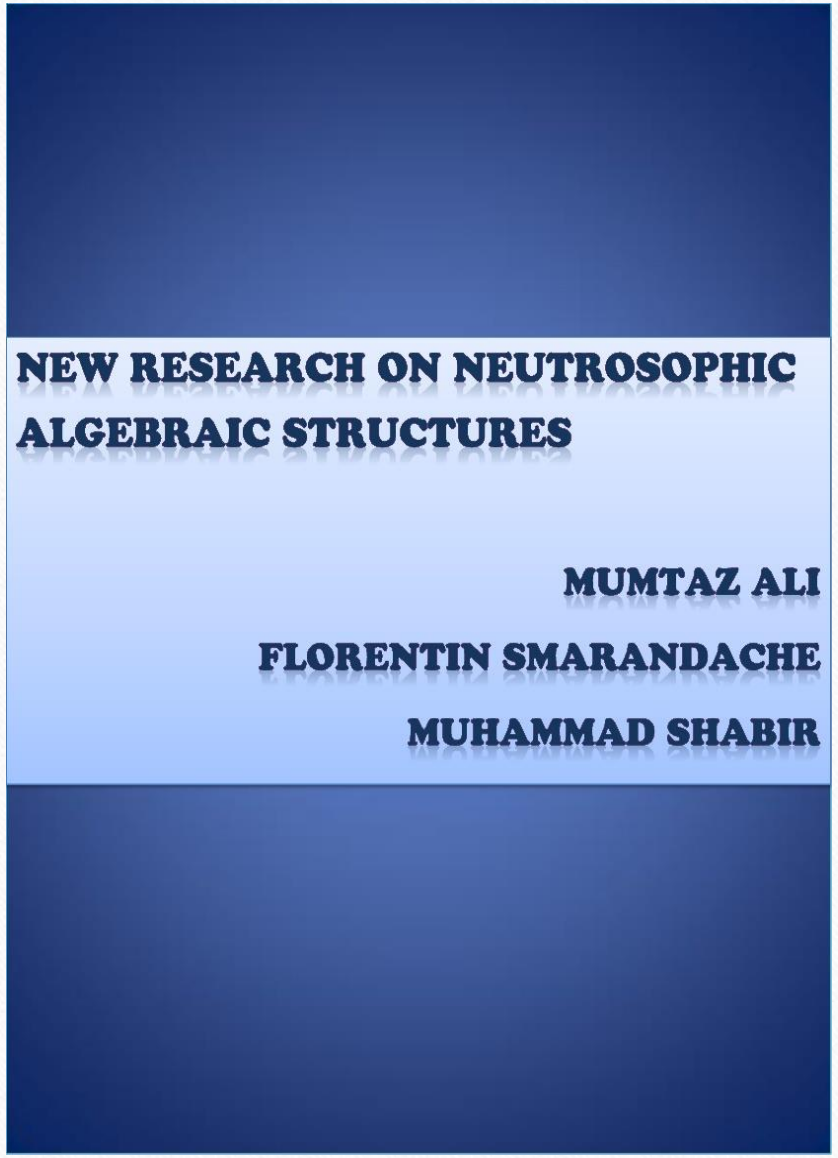


W. B. Vasantha Kandasamy, Florentin Smarandache: **Groupoids of Type I and II Using [0, n).** Columbus, OH, USA: Educational Publisher, 2014, 178 p.

Keywords: Algebraic Structures, Groupoids, Rings, Pseudo Rings, Non Associative Rings, Semirings, Moufang Identity, Bol Identity, Bruck Identity, Open Conjecture.

Study of algebraic structures built using [0, n) happens to be one of an interesting and innovative research. Here in this book authors define non associative algebraic structures using the interval [0, n). Here the authors define two types of groupoids using [0, n) both of them are of infinite order. It is an open conjecture to find whether these new class of groupoids satisfy any of the special identities like Moufang identity or Bol identity or Bruck identity or so on. We know on [0, n) we cannot build rings only pseudo rings, however in this book the authors use these type I and type II groupoids to build non associative rings and semirings. Several interesting results are derived and some open problems are suggested.

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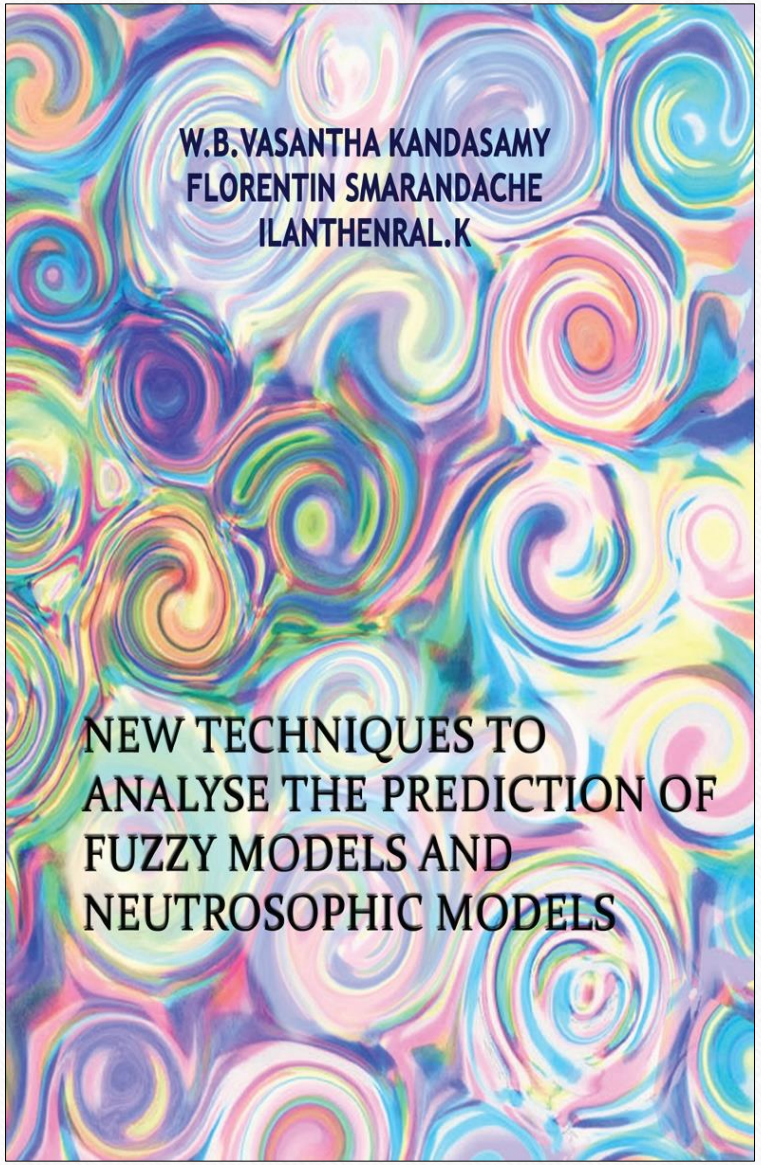


Mumtaz Ali, Florentin Smarandache, Muhammad Shabir: **New Research on Neutrosophic Algebraic Structures.** Brussels, Belgium: EuropaNova, 2014, 333 p.

Keywords: Neutrosophic Algebraic Structures, Strong Neutrosophic Algebraic Structures, Classical Algebraic Structures, Neutrosophic Rings, Neutrosophic LA-Semigroup Ring, Neutrosophic Loop Ring, Neutrosophic Groupoid Ring.

In this book, the authors define several new neutrosophic algebraic structures and their related properties. The main focus of this book is to study the important class of neutrosophic rings such as neutrosophic LA-semigroup ring, neutrosophic loop ring, neutrosophic groupoid ring and so on. The authors also construct their generalization in each case to study these neutrosophic algebraic structures in a broader sense. The indeterminacy element "I" gives rise to a bigger algebraic structure than the classical algebraic structures. It mainly classifies the algebraic structures in three categories such as: neutrosophic algebraic structures, strong neutrosophic algebraic structures, and classical algebraic structures respectively. This reveals the fact that a classic algebraic structure is a part of the neutrosophic algebraic structures. This opens a new way for the researcher to think in a broader way to visualize these vast neutrosophic algebraic structures.

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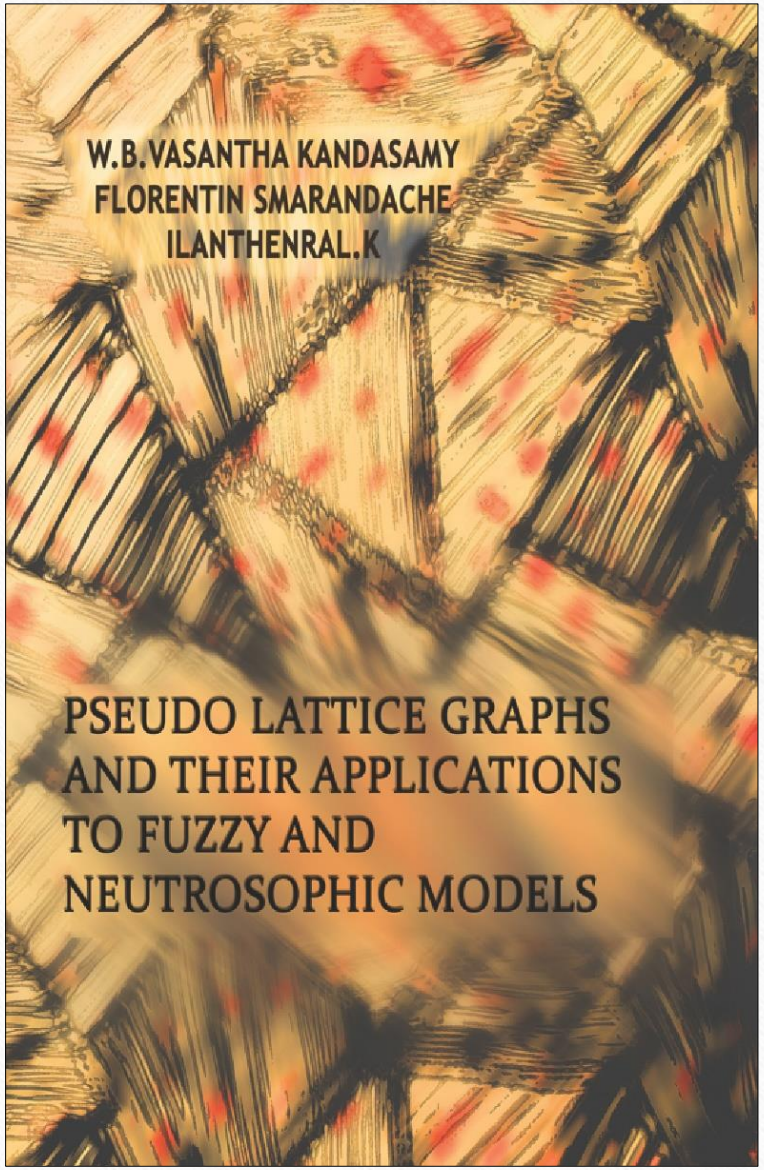


W. B. Vasantha Kandasamy, Florentin Smarandache, Ilanthenral K.: **New Techniques to Analyse the Prediction of Fuzzy Models**. Brussels, Belgium: EuropaNova, 2014, 242 p.

Keywords: Fuzzy Cognitive Maps, Neutrosophic Cognitive Maps, New Average Fuzzy Cognitive Maps, Kosko Hamming distance.

For the first time authors have ventured to study, analyse and investigate the properties of the fuzzy models, the experts opinion and so on. Here the concept of merged Fuzzy Cognitive Maps and Neutrosophic Cognitive Maps are carried out, which are based on merged graphs and merged matrices. This concept is better than the usual combined Fuzzy Cognitive Maps. Further by this new technique we are able to give equal importance to all the experts who work with the problem. Here the new concept of New Average Fuzzy Cognitive Maps and Neutrosophic Cognitive Maps is defined and described. This new tool helps in saving time and economy. Another new tool called Kosko Hamming distance of FCMs and NCMs are defined which measures the closeness or otherwise of the experts. The node with maximum vertices is usually termed as a powerful node but here the influential node in a FCMs (NCMs) is a node whose on state makes on the most number of nodes in the hidden pattern given by it.

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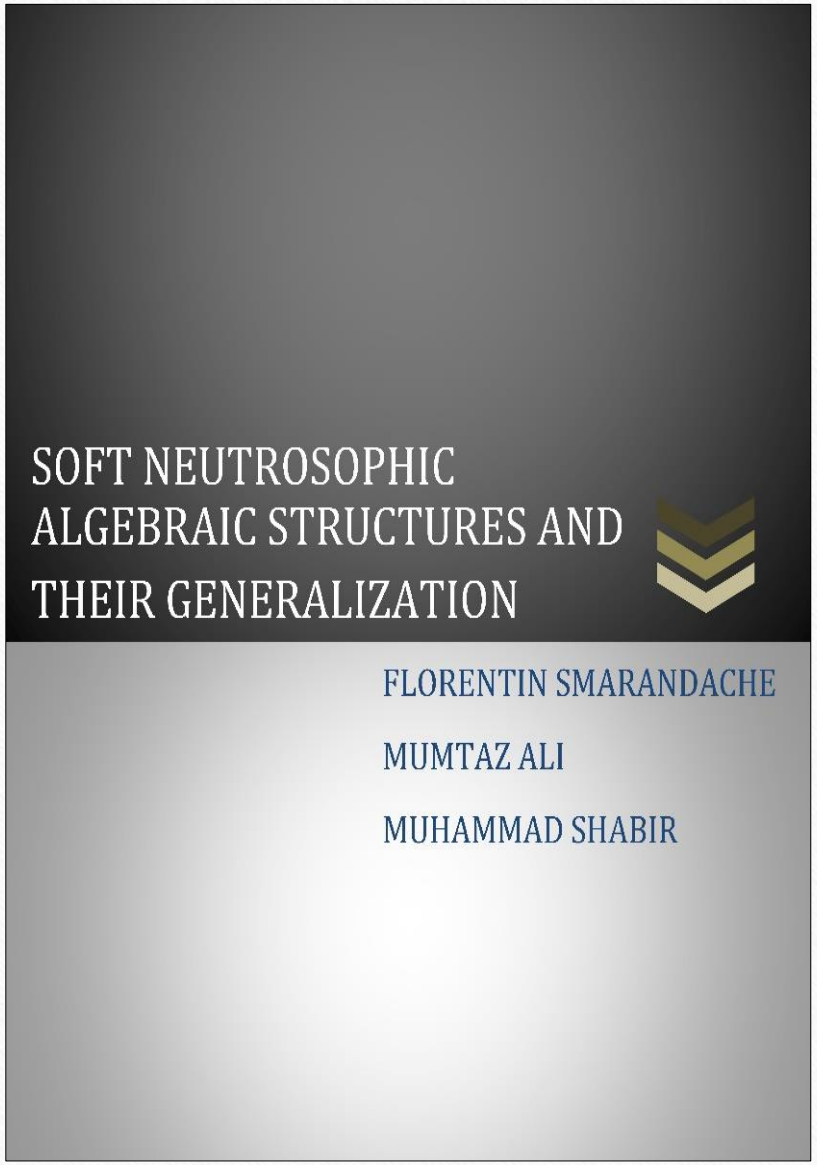


W. B. Vasantha Kandasamy, Florentin Smarandache, Ilanthenral K.: **Pseudo Lattice Graphs and their Applications to Fuzzy and Neutrosophic Models**. Brussels, Belgium: EuropaNova, 2014, 276 p.

Keywords: Lattice, Graph, Merged Lattice, Edges, Vertices, Fuzzy Models.

In this book for the first time authors introduce the concept of merged lattice, which gives a lattice or a graph. The resultant lattice or graph is defined as the pseudo lattice graph of type I. Here we also merge a graph with a lattice or two or more graphs which call as the pseudo lattice graph of type II. We merge either edges or vertices or both of a lattice and a graph or a lattice and a lattice or graph with itself. Such study is innovative and these mergings are adopted on all fuzzy and neutrosophic models which work on graphs. The fuzzy models which work on graphs are FCMs, NCMs, FRMs, NRMs, NREs and FREs. This technique of merging FCMs or other fuzzy models is very advantageous for they save time and economy. Moreover each and every expert who works on the problems is given equal importance. We called these newly built models as merged FCMs, merged NCMs, merged FRMs, merged NRMs, merged FREs and merged NREs.

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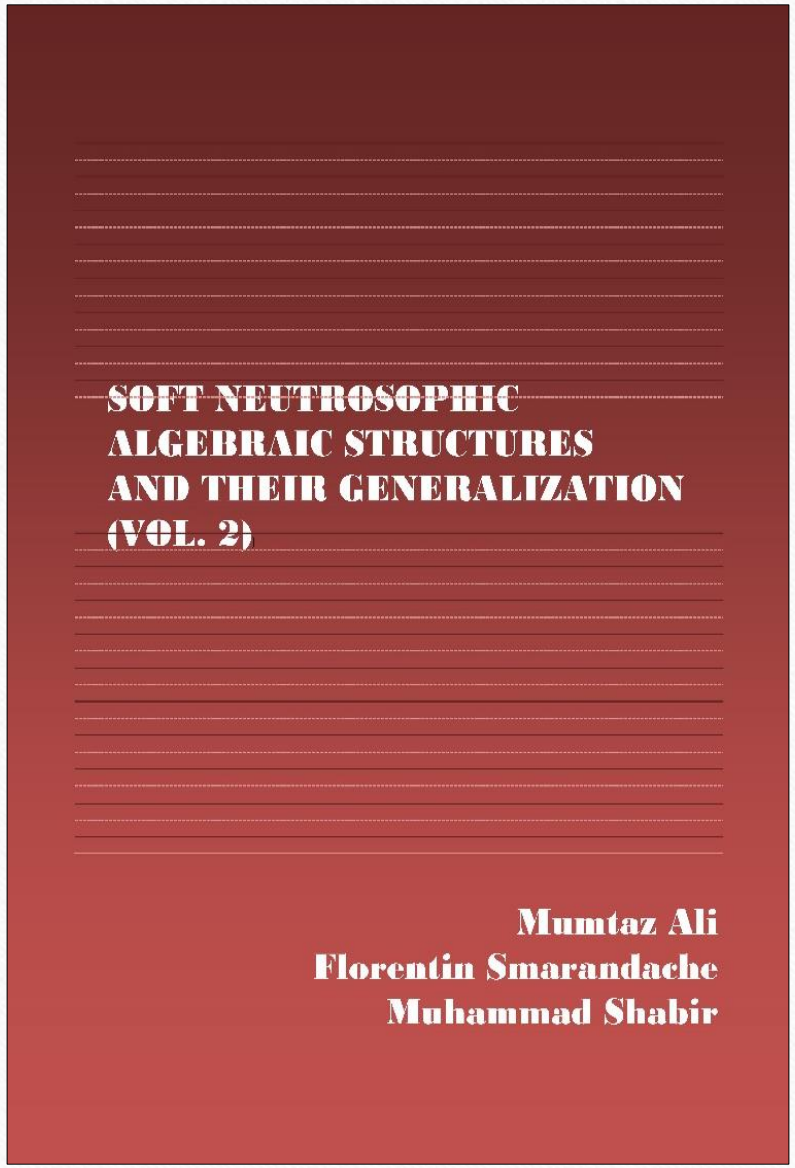


Florentin Smarandache, Mumtaz Ali, Muhammad Shabir: **Soft Neutrosophic Algebraic Structures and Their Generalization**. *First Volume.* Columbus, OH, USA: Educational Publishing, 2014, 264 p.

Keywords: Algebraic Structures, Neutrosophic Algebraic Structures, Study Soft Neutrosophic Groups, Soft Neutrosophic Semigroups, Soft Neutrosophic Loops, Soft Neutrosophic LA-Semigroups.

Study of soft sets was first proposed by Molodtsov in 1999 to deal with uncertainty in a non-parametric manner. The researchers did not pay attention to soft set theory at that time but now the soft set theory has been developed in many areas of mathematics. Algebraic structures using soft set theory are very rapidly developed. In this book we developed soft neutrosophic algebraic structures by using soft sets and neutrosophic algebraic structures. In this book we study soft neutrosophic groups, soft neutrosophic semigroups, soft neutrosophic loops, soft neutrosophic LA-semigroups, and their generalizations respectively.

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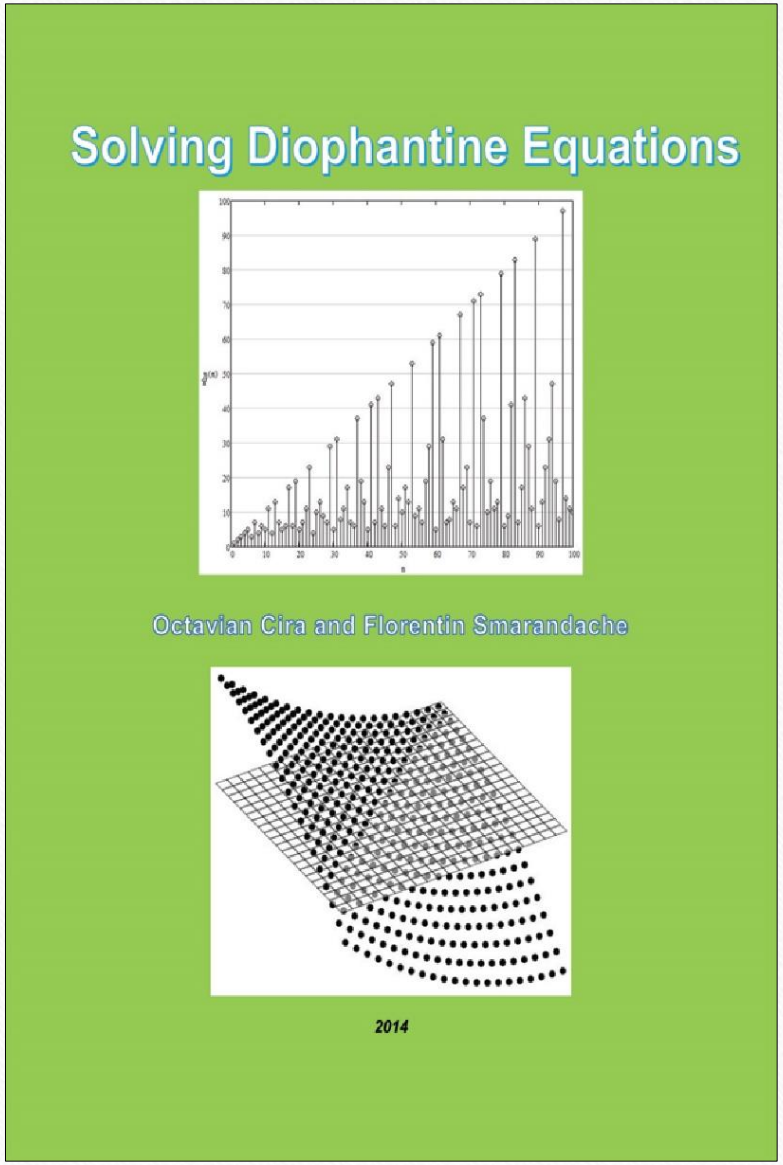


Mumtaz Ali, Florentin Smarandache, Muhammad Shabir: **Soft Neutrosophic Algebraic Structures and Their Generalization.** *Second Volume.* Brussels, Belgium: EuropaNova, 2014, 288 p.

Keywords: Algebraic Structures, Neutrosophic Algebraic Structures, Study Soft Neutrosophic Groups, Soft Neutrosophic Semigroups, Soft Mixed Neutrosophic N-Algebraic Structure, Neutrosophic Group Ring.

In this book, the authors define several new types of soft neutrosophic algebraic structures over neutrosophic algebraic structures and we study their generalizations. These soft neutrosophic algebraic structures are basically parameterized collections of neutrosophic sub-algebraic structures of the neutrosophic algebraic structure. An important feature of this book is that the authors introduce the soft neutrosophic group ring, soft neutrosophic semigroup ring with its generalization, and soft mixed neutrosophic N-algebraic structure over neutrosophic group ring, then the neutrosophic semigroup ring and mixed neutrosophic N-algebraic structure respectively.

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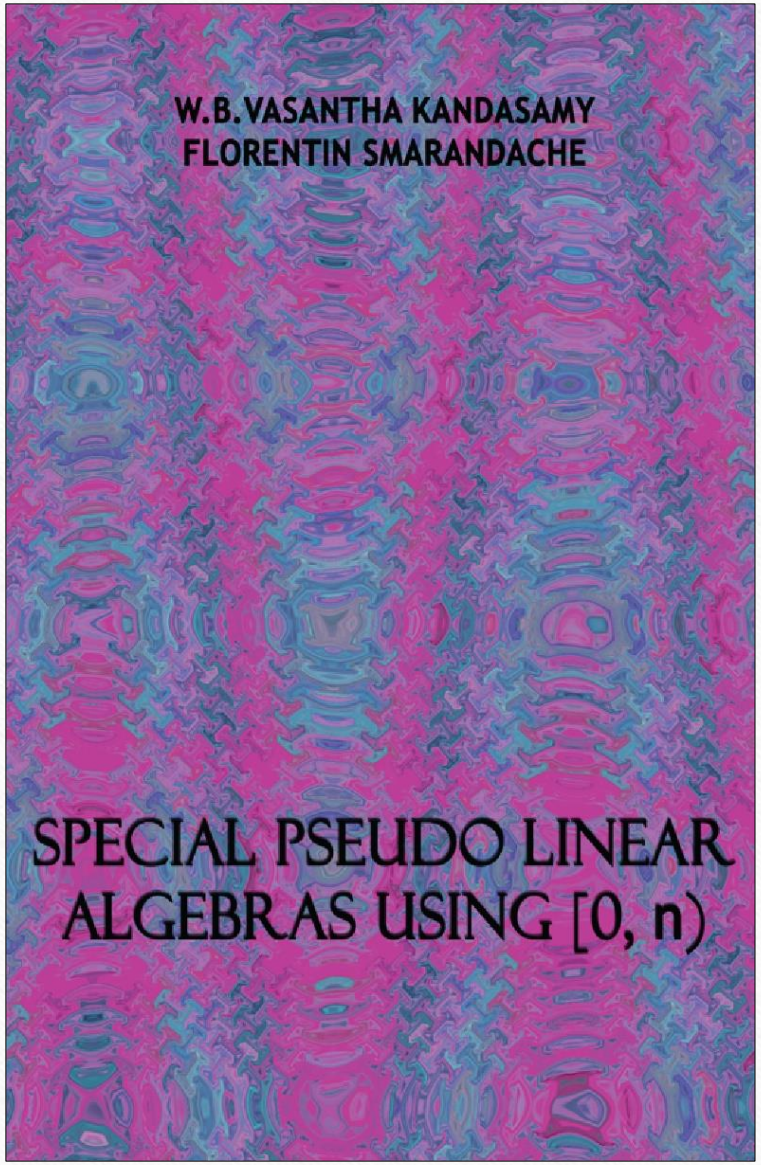


Octavian Cira, Florentin Smarandache: **Solving Diophantine Equations**. Brussels, Belgium: EuropaNova, 2014, 252 p.

Keywords: Diophantine Equations, Smarandache Function, Riemann Function, Prime Numbers.

In this book a multitude of Diophantine equations and their partial or complete solutions are presented. How should we solve, for example, the equation $\eta(\pi(x)) = \pi(\eta(x))$, where η is the Smarandache function and π is Riemann function of counting the number of primes up to x, in the set of natural numbers? If an analytical method is not available, an idea would be to recall the empirical search for solutions. We establish a domain of searching for the solutions and then we check all possible situations, and of course we retain among them only those solutions that verify our equation. In other words, we say that the equation does not have solutions in the search domain, or the equation has n solutions in this domain. This mode of solving is called partial resolution. Partially solving a Diophantine equation may be a good start for a complete solving of the problem. The authors have identified 62 Diophantine equations that impose such approach and they partially solved them. For an efficient resolution it was necessarily that they have constructed many useful ”tools” for partially solving the Diophantine equations into a reasonable time. The computer programs as tools were written in Mathcad, because this is a good mathematical software where many mathematical functions are implemented. Transposing the programs into another computer language is facile, and such algorithms can be turned to account on other calculation systems with various processors.

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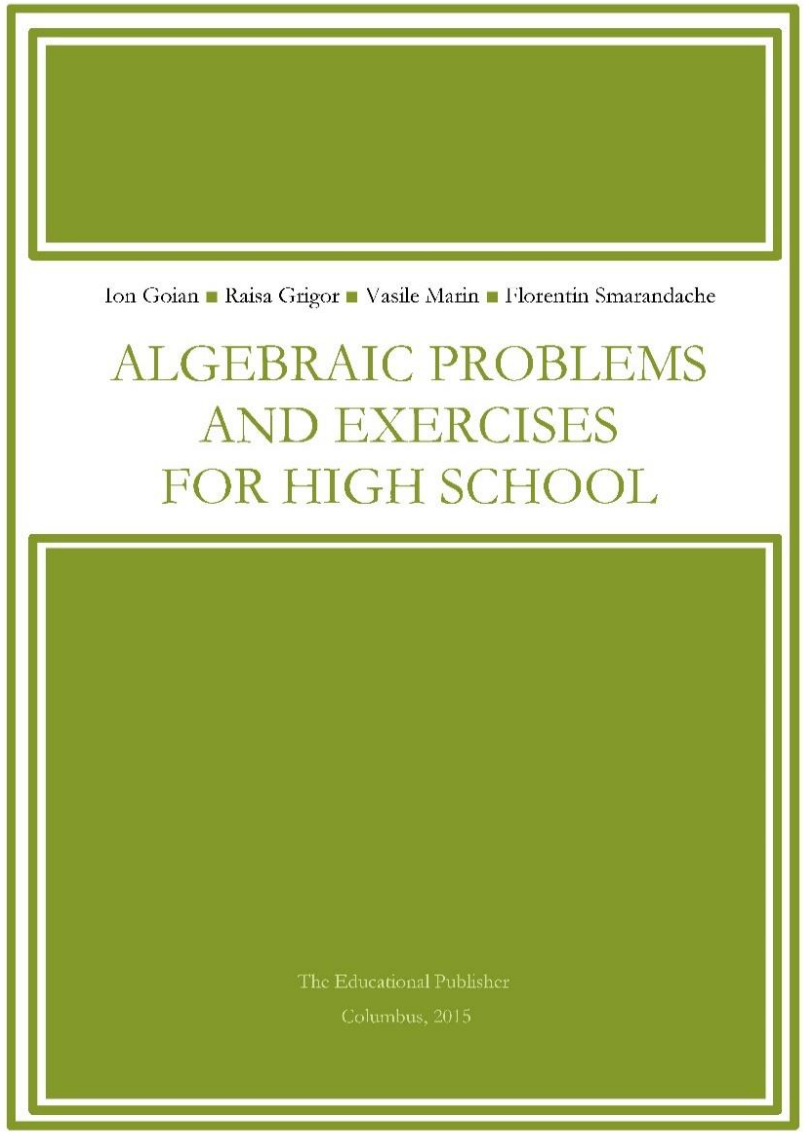


W. B. Vasantha Kandasamy, Florentin Smarandache: **Special Pseudo Linear Algebras Using [0, n).** Columbus, OH, USA: Educational Publisher, 2014, 270 p.

Keywords: Linear Algebras, Pseudo Special Linear Algebras, Smarandache Strong Special Pseudo Interval Linear Algebras, Linear Functionals, Eigen Values, Eigen Vectors.

In this book we introduce some special type of linear algebras called pseudo special linear algebras using the interval [0, n). These new types of special pseudo interval linear algebras has several interesting properties. Special pseudo interval linear algebras are built over the subfields in Zn where Zn is a S-ring. We study the substructures of them. The notion of Smarandache special interval pseudo linear algebras and Smarandache strong special pseudo interval linear algebras are introduced. The former S-special interval pseudo linear algebras are built over the S-ring itself. Study in this direction has yielded several interesting results. S-strong special pseudo interval linear algebras are built over the S-pseudo interval special ring [0, n). SSS-pseudo special linear algebras are mainly introduced for only on these new structures, study, develop, describe and define the notion of SSS-linear functionals, SSS-eigen values, SSS-eigen vectors and SSS-polynomials.

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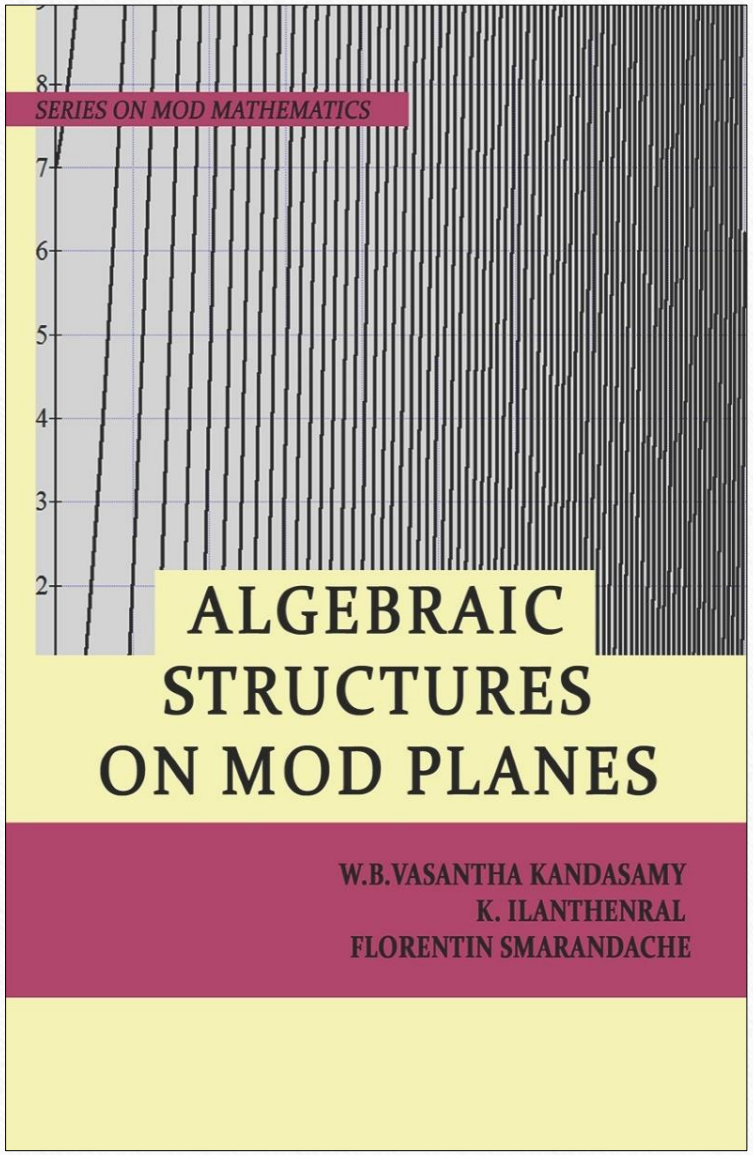
Ion Goian, Raisa Grigor, Vasile Marin, Florentin Smarandache: **Algebraic Problems and Exercises for High School.** *Sets, sets operations, relations, functions, aspects of combinatorics.* Columbus, OH, USA: Educational Publisher, 2015, 144 p.

Keywords: Algebra, Sets, Sets Operations, Relations, Functions, Combinatorics.

In this book, you will find algebraic exercises and problems, grouped by chapters, intended for higher grades in high schools or middle schools of general education. Its purpose is to facilitate training in mathematics for students in all high school categories, but can be equally helpful in a standalone work.

The book can also be used as an extracurricular source, as the reader shall find enclosed important theorems and formulas, standard definitions and notions that are not always included in school textbooks.

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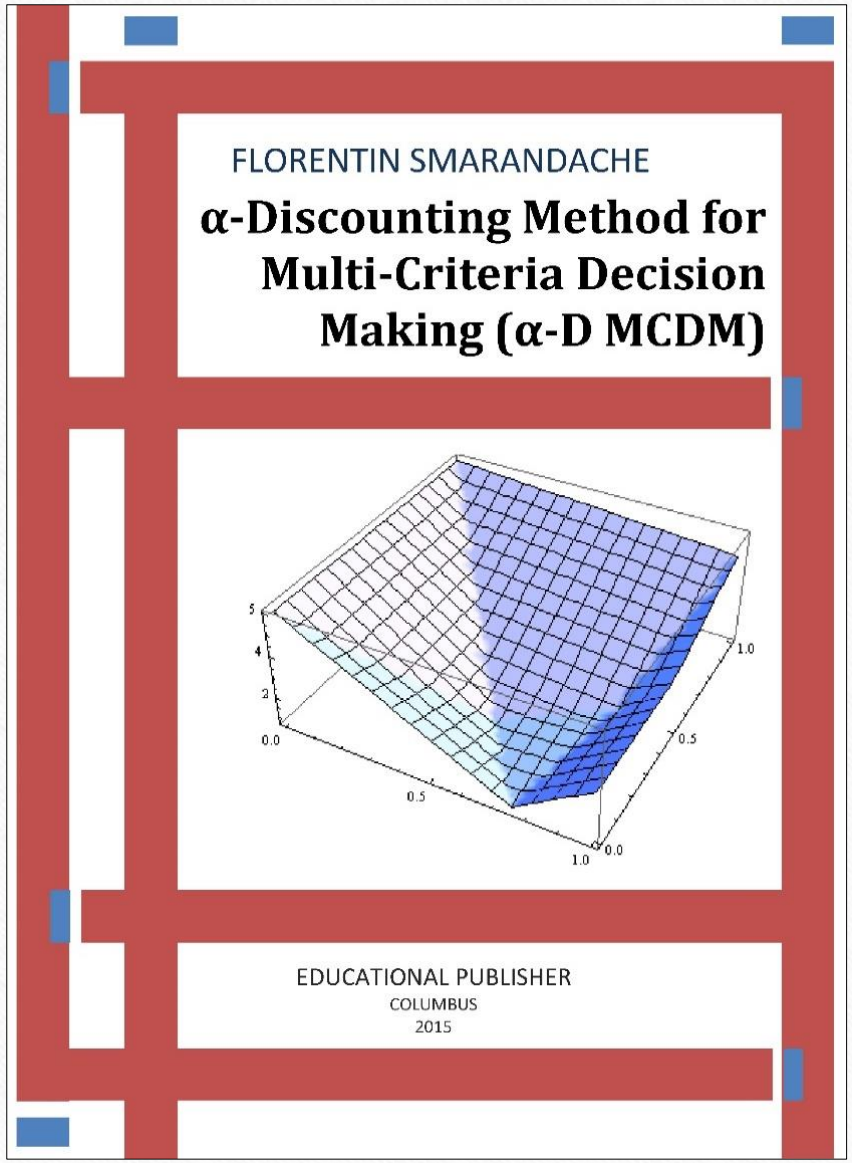


W. B. Vasantha Kandasamy, Ilanthenral K., Florentin Smarandache: **Algebraic Structures on MOD Planes.** Brussels, Belgium: EuropaNova, 2015, 213 p.

Keywords: Algebraic Structures, MOD Planes, MOD Semigroups, MOD Groups, MOD Rings, Dual Numbers.

Study of MOD planes happens to a very recent one. Authors have studied several properties of MOD real planes. In fact unlike the real plane R × R which is unique MOD real planes are infinite in number. Further three other new types of MOD planes constructed using dual numbers, special dual number like numbers and special quasi dual numbers are introduced. Systematically algebraic structures on MOD planes like, MOD semigroups, MOD groups and MOD rings of different types are defined and studied. Such study is very new and innovative for a large four quadrant planes are made into a small MOD planes. Several distinct features enjoyed by these MOD planes are defined, developed and described in this book.

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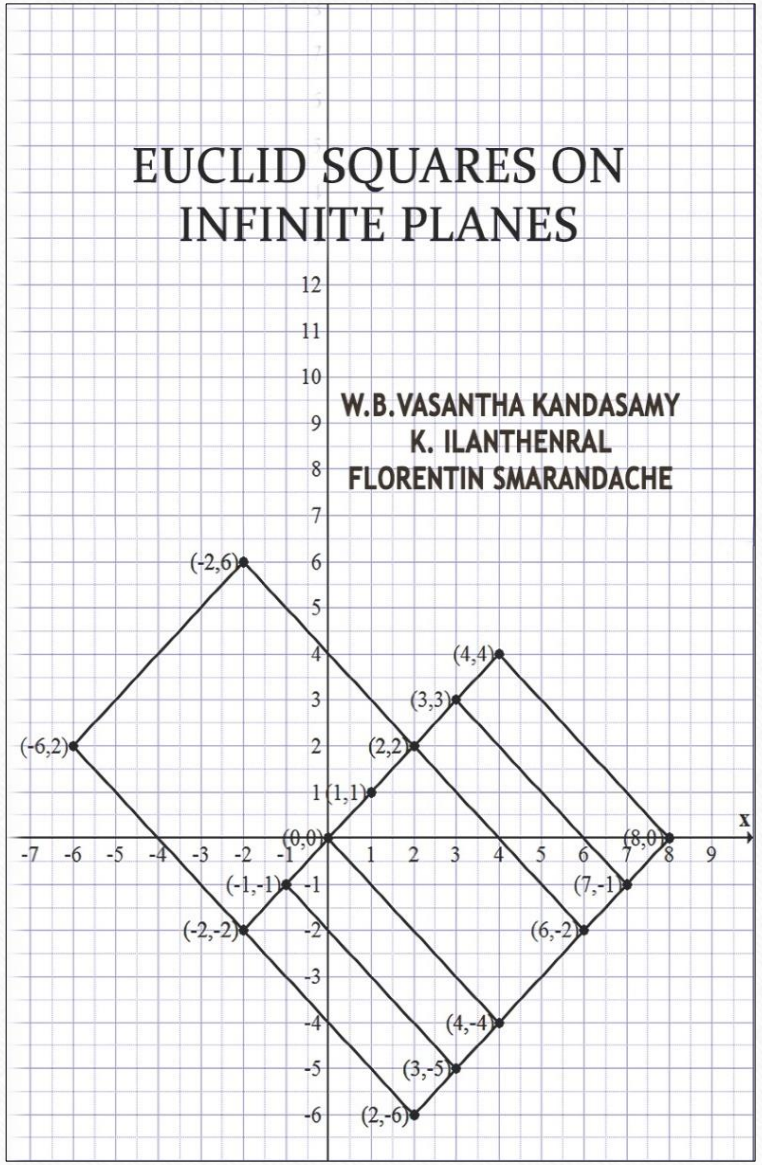


Florentin Smarandache: **α-Discounting Method for Multi-Criteria Decision Making (α-D MCDM).** Columbus, OH, USA: Educational Publisher, 2015, 60 p.

Keywords: α-Discounting Method, Multi-Criteria Decision Making, Saaty's Analytical Hierarchy Process, Degree of Consistency, Homogeneous Linear Equations, Fairness Principle, Pairwise Comparison, Consistent MCDM Problem, Inconsistent MCDM Problem.

In this book we introduce a new procedure called α-Discounting Method for Multi-Criteria Decision Making (α-D MCDM), which is as an alternative and extension of Saaty's Analytical Hierarchy Process (AHP). It works for any number of preferences that can be transformed into a system of homogeneous linear equations. A degree of consistency (and implicitly a degree of inconsistency) of a decision-making problem are defined. α-D MCDM is afterwards generalized to a set of preferences that can be transformed into a system of linear and/or non-linear homogeneous and/or non-homogeneous equations and/or inequalities. Many consistent, weak inconsistent, and strong inconsistent examples are given.

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W. B. Vasantha Kandasamy, K. Ilanthenral, Florentin Smarandache**: Euclid Squares on Infinite Planes.** Brussels, Belgium: EuropaNova, 2015, 246 p.

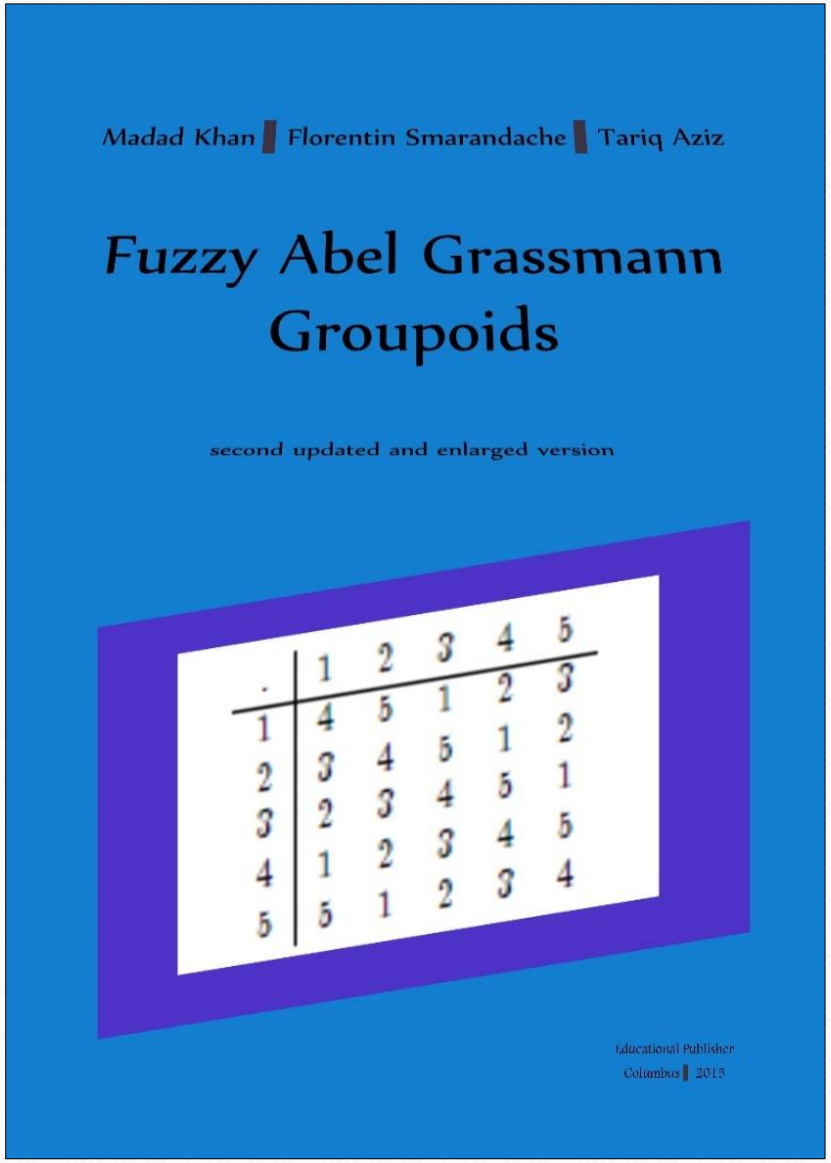
Keywords: Algebra, Geometry, Analysis Euclid Squares, Real Plane, Complex Plane, Neutrosophic Plane, Dual Number Plane.

In this book the authors for the first time study special type of Euclid squares in the real plane, complex plane, neutrosophic plane, dual number plane and their specializations.

This study can be visualized as a blend of algebra, geometry and analysis. There are six such planes and they behave distinctly. From the study it is revealed that each type of squares behave in a different way depending on the plane. The authors define several types of algebraic structures on them. Such study is new, innovative and interesting. However for some types of squares; one is not in a position to define product. Further under addition these squares from a group.

One of the benefits is addition of point squares to any square of type I and II is an easy translation of the square without affecting the area or length of the squares. There are over 150 graphs which makes the book more understandable.

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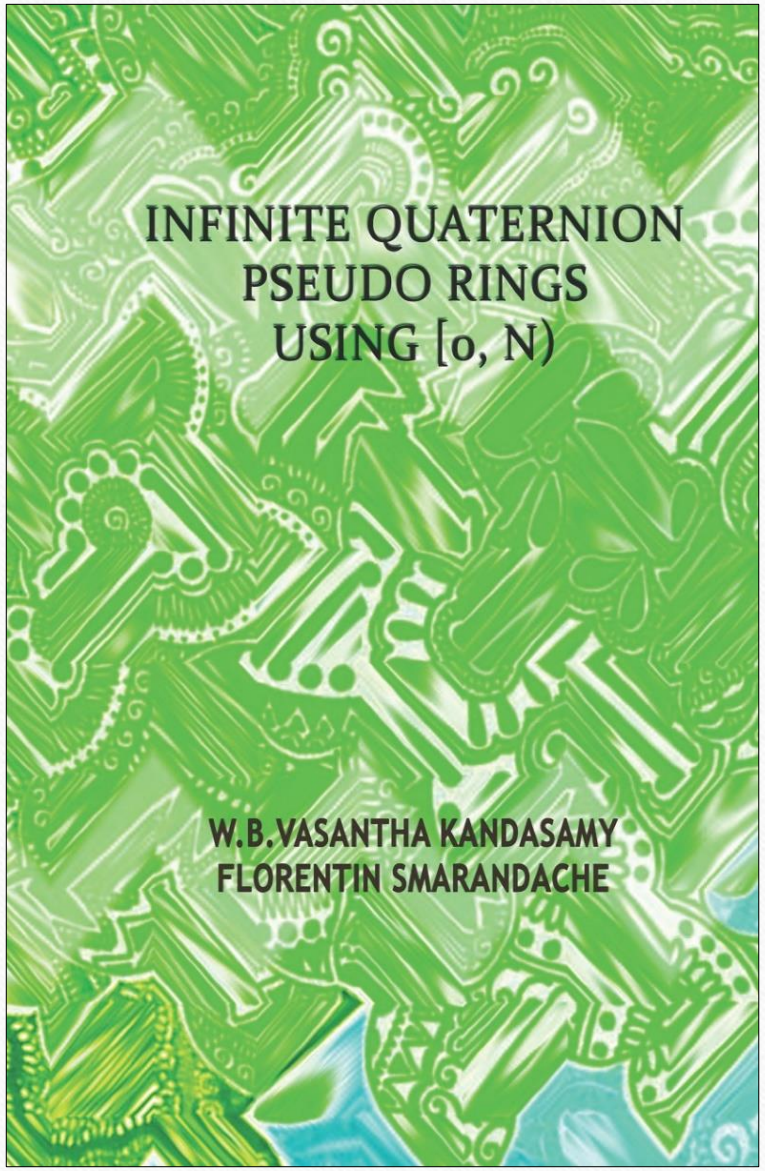


Madad Khan, Florentin Smarandache, Tariq Aziz: **Fuzzy Abel Grassmann Groupoids.** *Second updated and enlarged version.* Columbus, OH, USA: Educational Publisher, 2015, 110 p.

Keywords: Fuzzy Ideals, AG-groupoids, Abel Grassmann Groupoids, Generalized Fuzzy Prime, Semiprime Ideals, Intuitionistic Fuzzy Sets, Neutrosophic Sets, Dezert-Smarandache Theory.

This research work will give a new direction for applications of fuzzy set theory particularly in algebraic logics, non-classical logics, fuzzy finite state machines, fuzzy automata, fuzzy languages, cognitive modeling, multiagent decision analysis and mathematical morphology. Introducing $(\in,\in \vee q_k)$-fuzzy ideals, $(\in_\gamma,\in_\gamma \vee q_\delta)$-fuzzy ideals and $(\in_\gamma,\in_\gamma \vee q_\delta)$-fuzzy soft ideals in a new non-associative algebraic structure called Abel-Grassmann's groupoid, discuss several important features of a regular AG-groupoid, investigate some characterizations of regular and intra-regular AG-groupoids using the properties of classical ideals and these generalized fuzzy ideals.

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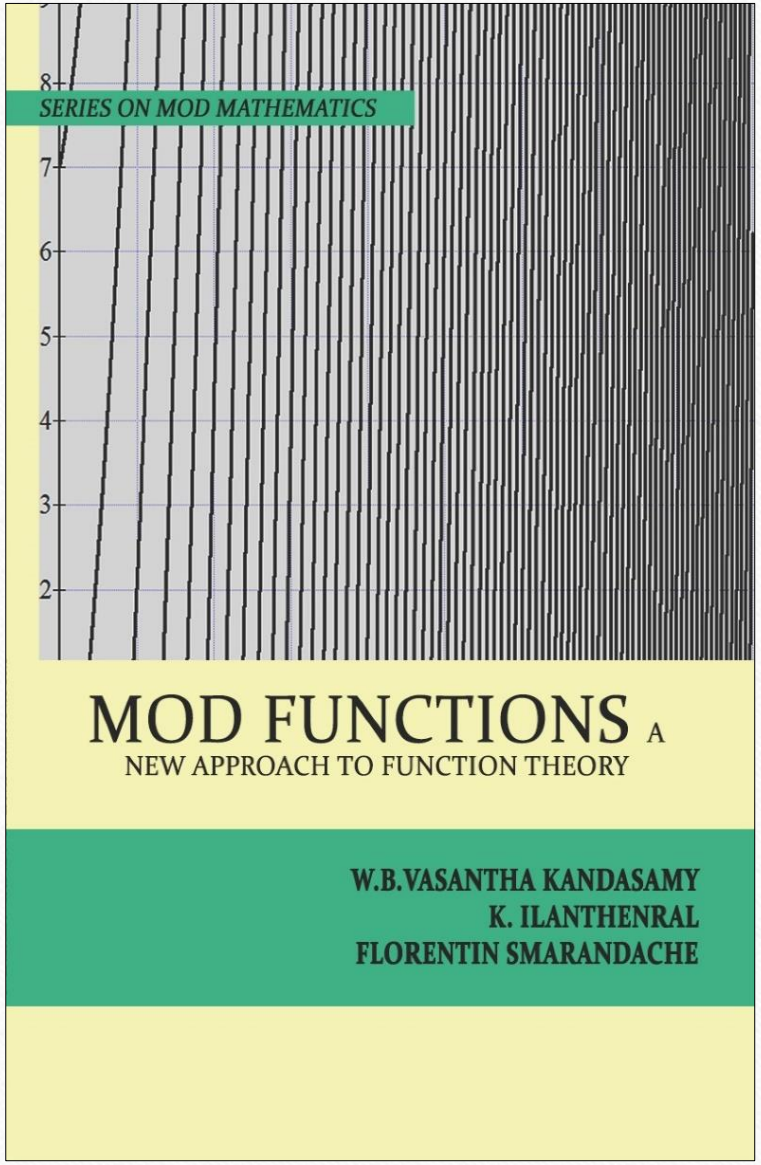


W. B. Vasantha Kandasamy, Florentin Smarandache: **Infinite Quaternion Pseudo Rings Using [0, n).** Columbus, OH, USA: EuropaNova, 2006, 221 p.

Keywords: Quaternion Ring, Finite Real Quaternion Ring, Polynomial Quaternion Ring, Finite Complex Modulo Integer Quaternion Ring, Neutrosophic Finite Quaternion Ring, Complex Neutrosophic Quaternion Ring.

In this book authors study the properties of finite real quaternion ring which was introduced in [2000]. Here a complete study of these finite quaternion rings are made. Also polynomial quaternion rings are defined, they happen to behave in a very different way. In the first place the fundamental theorem of algebra, "a nth degree polynomial has n and only n roots", n is untrue in case of polynomial in polynomial quaternion rings in general. Further the very concept of derivative and integrals of these polynomials are untrue. Finally interval pseudo quaternion rings also behave in an erratic way. Not only finite real quaternion rings are studied, but also finite complex modulo integer quaternion rings, neutrosophic finite quaternion rings, complex neutrosophic quaternion rings for the first time are introduced and analysed. All these rings behave in a very unique way. This book contains several open problems which will be a boon to any researcher.

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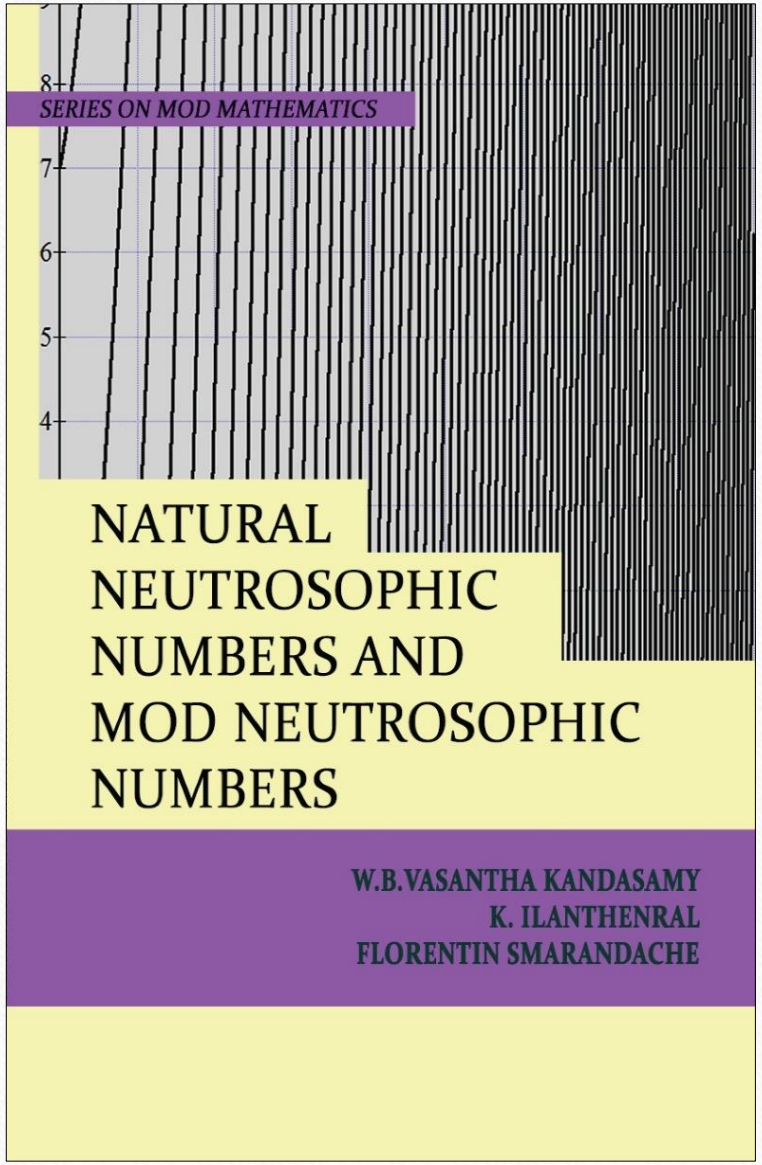
W. B. Vasantha Kandasamy, Ilanthenral K., Florentin Smarandache: **MOD Functions.** *A New Approach to Function Theory.* Brussels, Belgium: EuropaNova, 2015, 203 p.

Keywords: MOD Calculus, MOD Functions, MOD Planes, Differentiation, Integration, Open Conjectures, Decimal Polynomials.

In this book the notion of MOD functions are defined on MOD planes. This new concept of MOD functions behaves in a very different way. Even very simple functions like y = nx has several zeros in MOD planes where as they are nice single line graphs with only (0, 0) as the only zero.

Further polynomials in MOD planes do not in general follows the usual or classical laws of differentiation or integration. These drawbacks becomes a challenging issue. So study in this direction is open. In fact several open conjectures are proposed in this book. However this paradigm of shift will give new dimension to mathematics.

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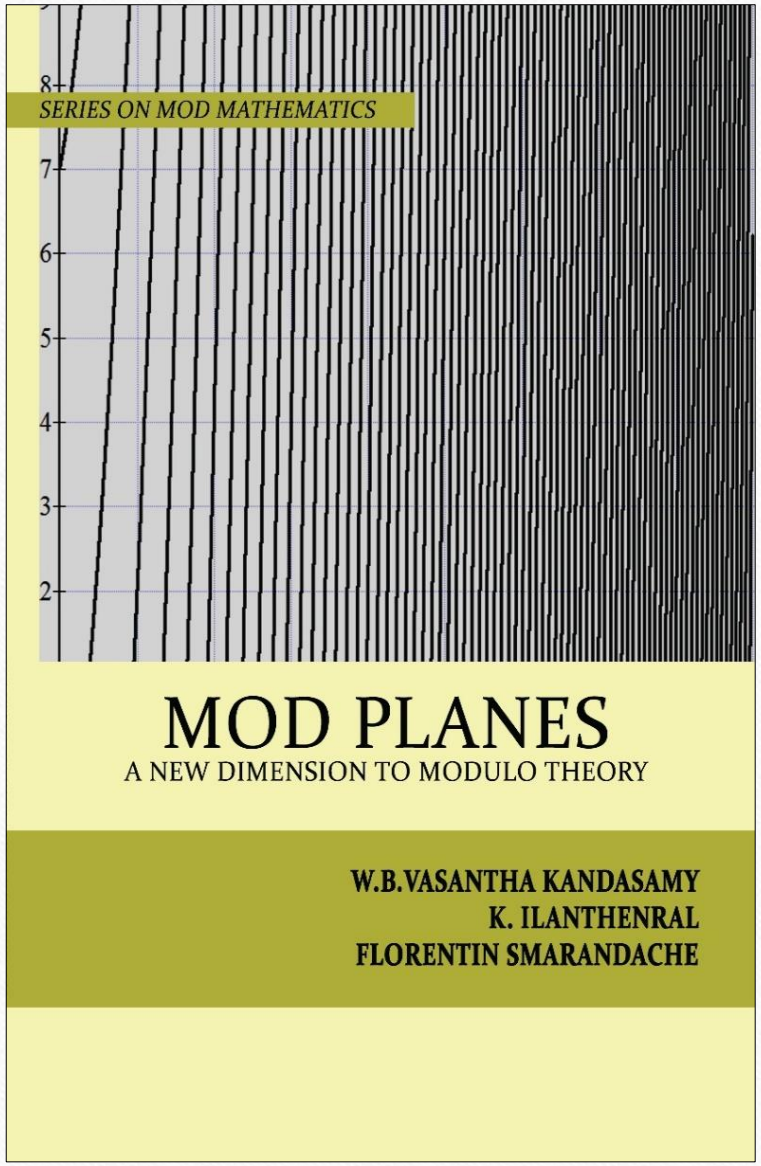
W. B. Vasantha Kandasamy, Ilanthenral K., Florentin Smarandache: **Natural Neutrosophic Numbers and MOD Neutrosophic Numbers.** Columbus, OH, USA: EuropaNova, 2015, 186 p.

Keywords: Neutrosophy, MOD Intervals, MOD Planes, MOD Neutrosophic Numbers, Zero Divisors, MOD Neutrosophic Nilpotents.

In this book authors answer the question proposed by Florentin Smarandache "Does there exist neutrosophic numbers which are such that they take values differently and behave differently from I; the indeterminate?".

The authors have constructed a class of natural neutrosophic numbers. Further there are more natural neutrosophic numbers in the MOD interval [0, m). This concept is thoroughly analysed in the second chapter. Using all types of MOD planes and MOD intervals, the authors have generated both natural neutrosophic numbers and MOD neutrosophic numbers. Further the MOD intervals and MOD planes have a special type of zero divisors. Such type of zero divisors are termed as special pseudo zero divisors leading to the definition of special pseudo zero divisors and MOD neutrosophic numbers apart from natural (MOD) neutrosophic nilpotents, zero divisors and idempotents. Lots of open problems are suggested in this book. Certainly this paradigm of shift will give a new approach to the notion of neutrosophy.

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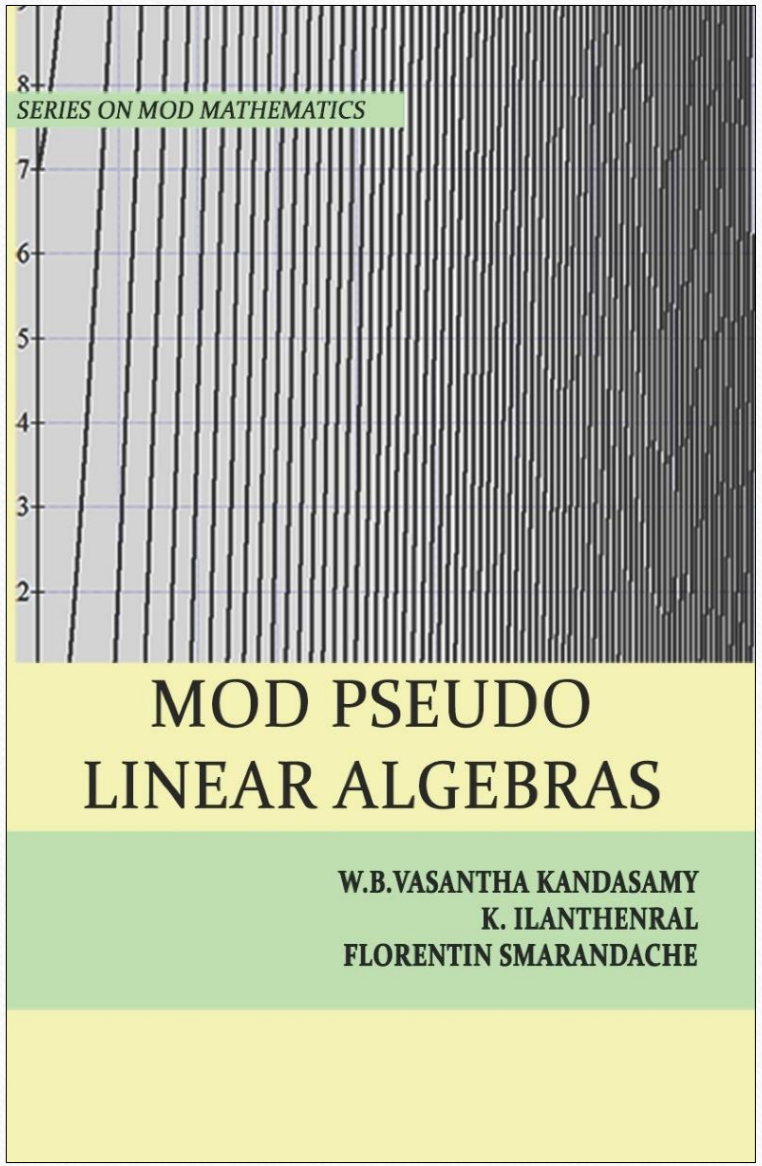
W. B. Vasantha Kandasamy, Ilanthenral K., Florentin Smarandache: **MOD Planes: A New Dimension to Modulo Theory**. Brussels, Belgium: EuropaNova, 2015, 221 p.

Keywords: MOD Planes, MOD Fuzzy Plane, MOD special dual like number plane, MOD special quasi dual number plane, Fuzzy MOD Plane.

In this book for the first time authors study MOD planes using modulo intervals. These planes unlike the real plane have only one quadrant so the study is carried aut in a compact space but infinite in dimension. The authors have given seven MOD planes viz real MOD planes (MOD real plane) finite complex MOD plane, neutrosophic MOD plane, fuzzy MOD plane, (or MOD fuzzy plane), MOD dual number plane, MOD special dual like number plane and MOD special quasi dual number plane.

These MOD planes unlike real plane or complex plane or neutrosophic plane or dual number plane or special dual like number plane or special quasi dual number plane are infinite in numbers. Further for the first time the authors give a plane structure to the fuzzy product set $[0, 1) \times [0, 1)$; where 1 is not included; this is defined as the MOD fuzzy plane. Several properties are derived.

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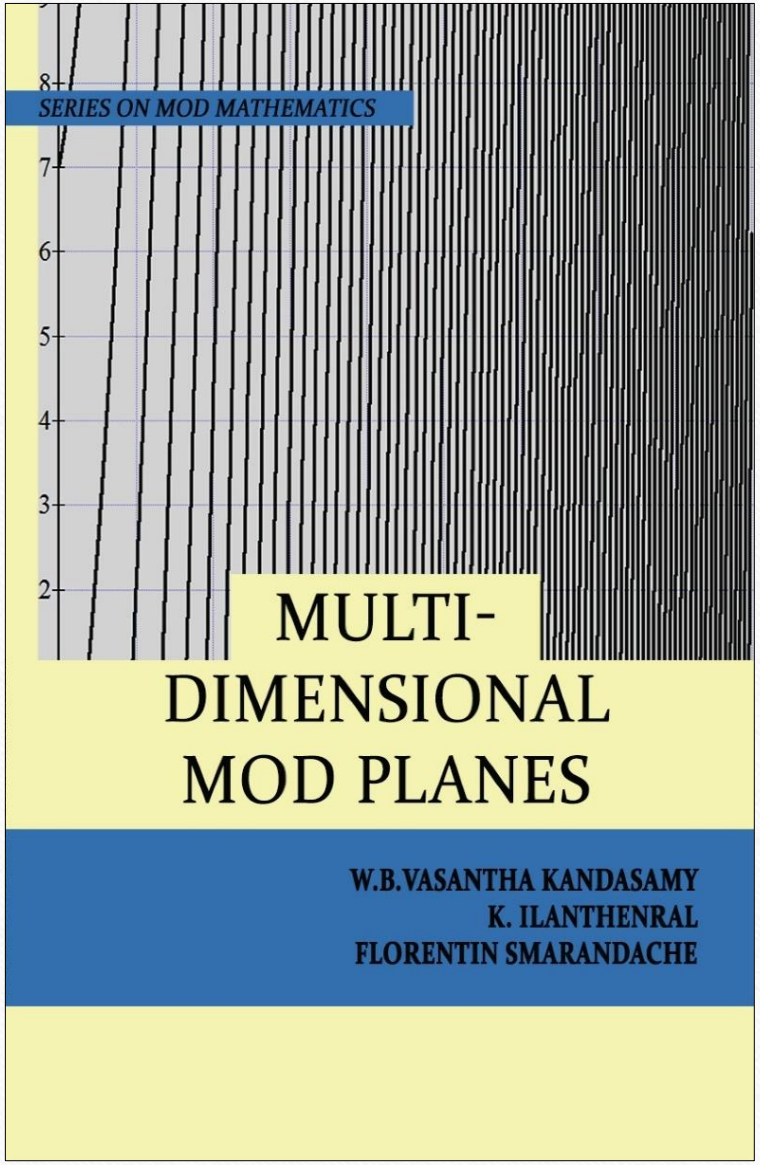


W. B. Vasantha Kandasamy, Ilanthenral K., Florentin Smarandache: **MOD Pseudo Linear Algebras.** Brussels, Belgium: EuropaNova, 2015, 269 p.

Keywords: MOD Vector Spaces, MOD Pseudo Linear Algebras, MOD Mixed Matrices, Open Conjectures.

In this book authors for the first time elaborately study the notion of MOD vector spaces and MOD pseudo linear algebras. This study is new, innovative and leaves several open conjectures. In the first place as distributive law is not true one can define only MOD pseudo linear algebras. Secondly most of the classical theorems true in case of linear algebras are not true in case of MOD pseudo linear algebras. Finding even eigen values and eigen vectors happens to be a challenging problem. Further the notion of multidimensional MOD pseudo linear algebras are defined using the notion of MOD mixed matrices. Several innovative and interesting results are given in this book. Many open problems are proposed.

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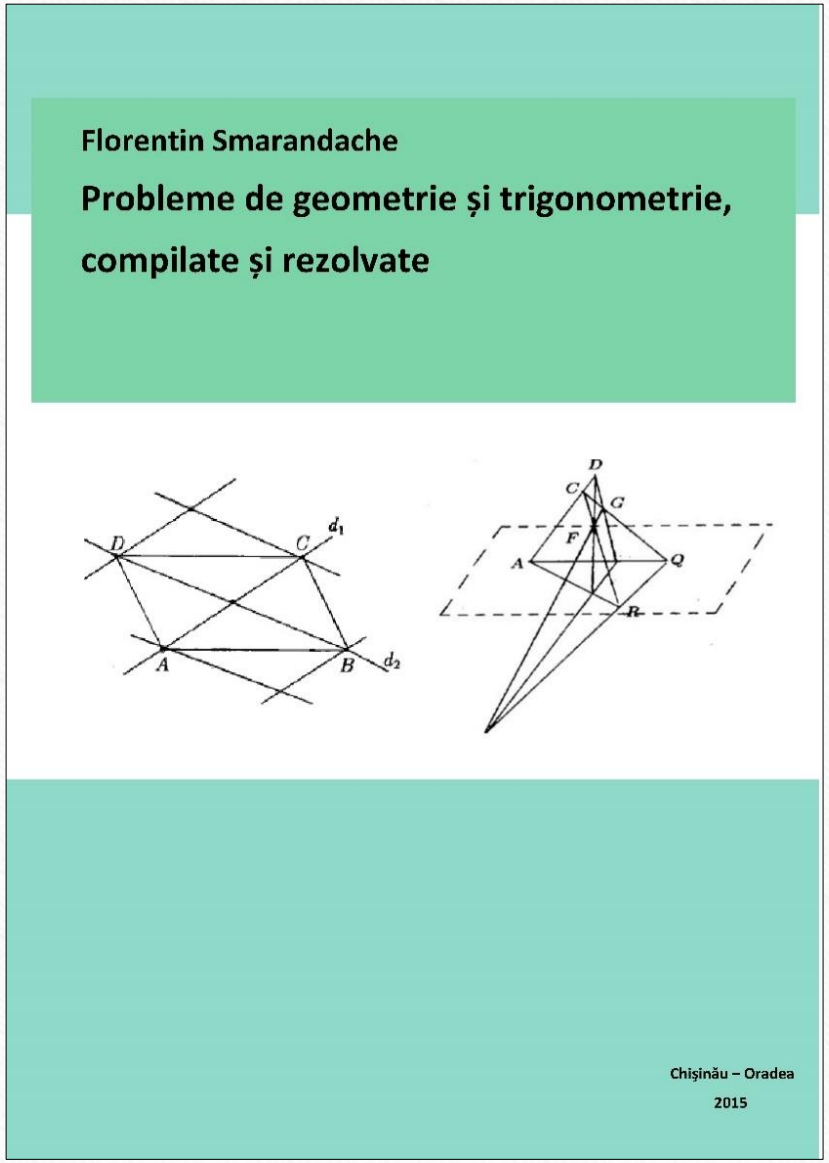


W. B. Vasantha Kandasamy, Ilanthenral K., Florentin Smarandache: **Multidimensional MOD Planes.** Brussels, Belgium: EuropaNova, 2015, 232 p.

Keywords: MOD Structures, MOD Interval Transformations, MOD planes, Mixed Multidimensional MOD Planes, Open Conjectures.

The authors define MOD transformations and discuss several interesting features about them. So chapter one of this book serves the purpose of only recalling these properties. Various properties of MOD interval transformation of varying types are discussed. Next the mod planes are introduced mainly to make this book a self contained one. Finally the new notion of higher and mixed multidimensional MOD planes are introduced and their properties analysed. Several problems are discussed some of which are open conjectures.

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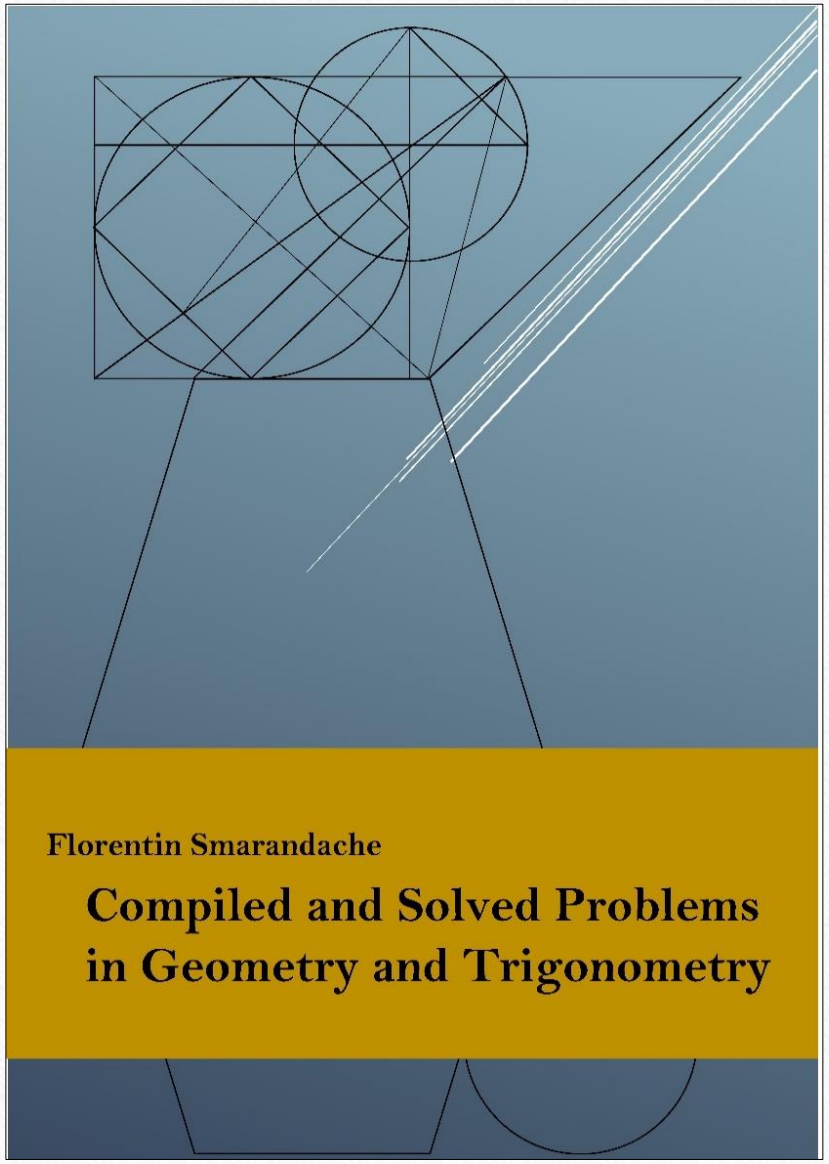
Florentin Smarandache: **Probleme de geometrie și trigonometrie, compilate și rezolvate.** *Ediția a II-a, revăzută și adăugită*. Oradea, Romania & Chișinău, Moldova: Adsumus & Universitatea de Stat din Moldova, 2015, 177 p.

Keywords: Geometry, Trigonometry, Spatial Geometry, Lines, Planes, Projections.

This book is a translation from Romanian of "Probleme Compilate şi Rezolvate de Geometrie şi Trigonometrie" (University of Kishinev Press, Kishinev, 169 p., 1998), and includes problems of 2D and 3D Euclidean geometry plus trigonometry, compiled and solved from the Romanian Textbooks for 9th and 10th grade students, in the period 1981-1988. The degree of difficulties of the problems is from easy and medium to hard. The book is especially a didactical material for the mathematical students and instructors.

Acest volum este o versiune nouă, revizuită și adăugită, a "Problemelor Compilate şi Rezolvate de Geometrie şi Trigonometrie" (Universitatea din Moldova, Chișinău, 169 p., 1998), și include probleme de geometrie și trigonometrie, compilate și soluționate în perioada 1981-1988. Gradul de dificultate al problemelor este de la mediu spre greu. Cartea se dorește material didactic pentru elevi, studenți și profesori.

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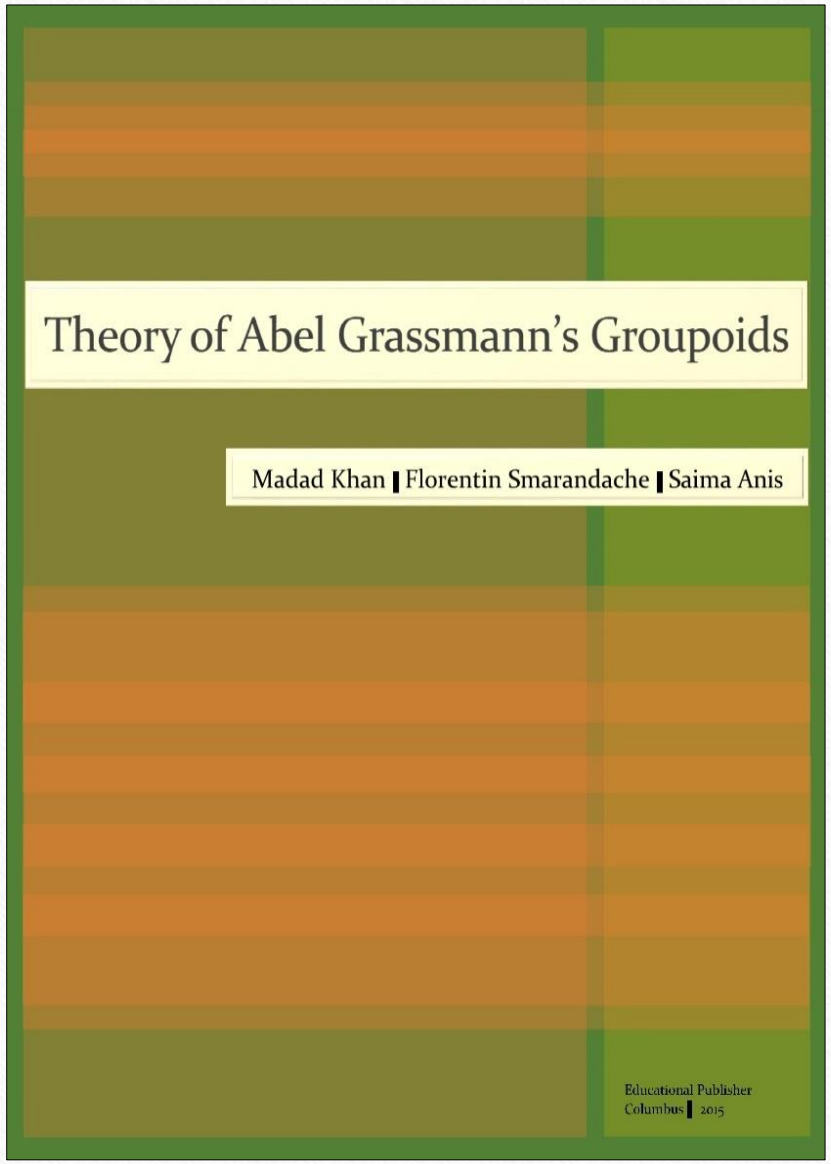


Florentin Smarandache: **255 Compiled and Solved Problems in Geometry and Trigonometry.** *From Romanian Textbooks.* Columbus, OH, USA: Educational Publisher, 2015, 219 p.

Keywords: Geometry, Trigonometry, Spatial Geometry, Lines, Planes, Projections.

This book is a translation from Romanian of "Probleme Compilate şi Rezolvate de Geometrie şi Trigonometrie" (University of Kishinev Press, Kishinev, 169 p., 1998), and includes problems of 2D and 3D Euclidean geometry plus trigonometry, compiled and solved from the Romanian Textbooks for 9th and 10th grade students, in the period 1981-1988, when Florentin Smarandache was a professor of mathematics at the "Petrache Poenaru" National College in Balcesti, Valcea (Romania), Lycée Sidi El Hassan Lyoussi in Sefrou (Morocco), then at the "Nicolae Balcescu" National College in Craiova and Dragotesti General School (Romania), but also did intensive private tutoring for students preparing their university entrance examination. After that, Smarandache escaped in Turkey in September 1988 and lived in a political refugee camp in Istanbul and Ankara, and in March 1990 he immigrated to United States. The degree of difficulties of the problems is from easy and medium to hard. The solutions of the problems are at the end of each chapter. One can navigate back and forth from the text of the problem to its solution using bookmarks. The book is especially a didactical material for the mathematical students and instructors.

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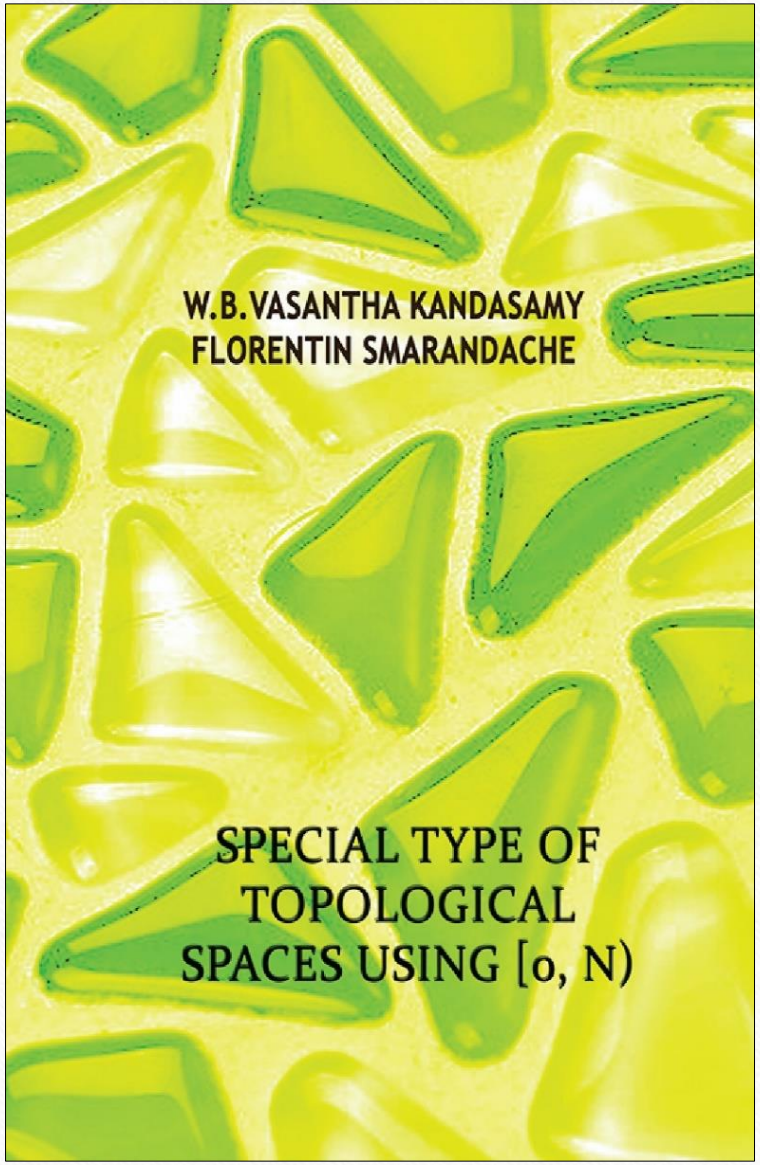


Madad Khan, Florentin Smarandache, Saima Anis: **Theory of Abel Grassmann's Groupoids.** Columbus, OH, USA: Educational Publisher, 2015, 208 p.

Keywords: Algebraic Structure, Neutrosophic Algebraic Structure, AG-groupoid, Commutative Agebra, Commutative Semigroup, Neutrosophic AG-groupoid.

An AG-groupoid is an algebraic structure that lies in between a groupoid and a commutative semigroup. It has many characteristics similar to that of a commutative semigroup. If we consider x2y2= y2x2, which holds for all x, y in a commutative semigroup, on the other hand one can easily see that it holds in an AG-groupoid with left identity e and in AG**-groupoids. This simply gives that how an AG-groupoid has closed connections with commutative agebras. We extend now for the first time the AG-groupoid to the Neutrosophic AG-groupoid. A neutrosophic AG-groupoid is a neutrosophic algebraic structure that lies between a neutrosophic groupoid and a neutrosophic commutative semigroup.

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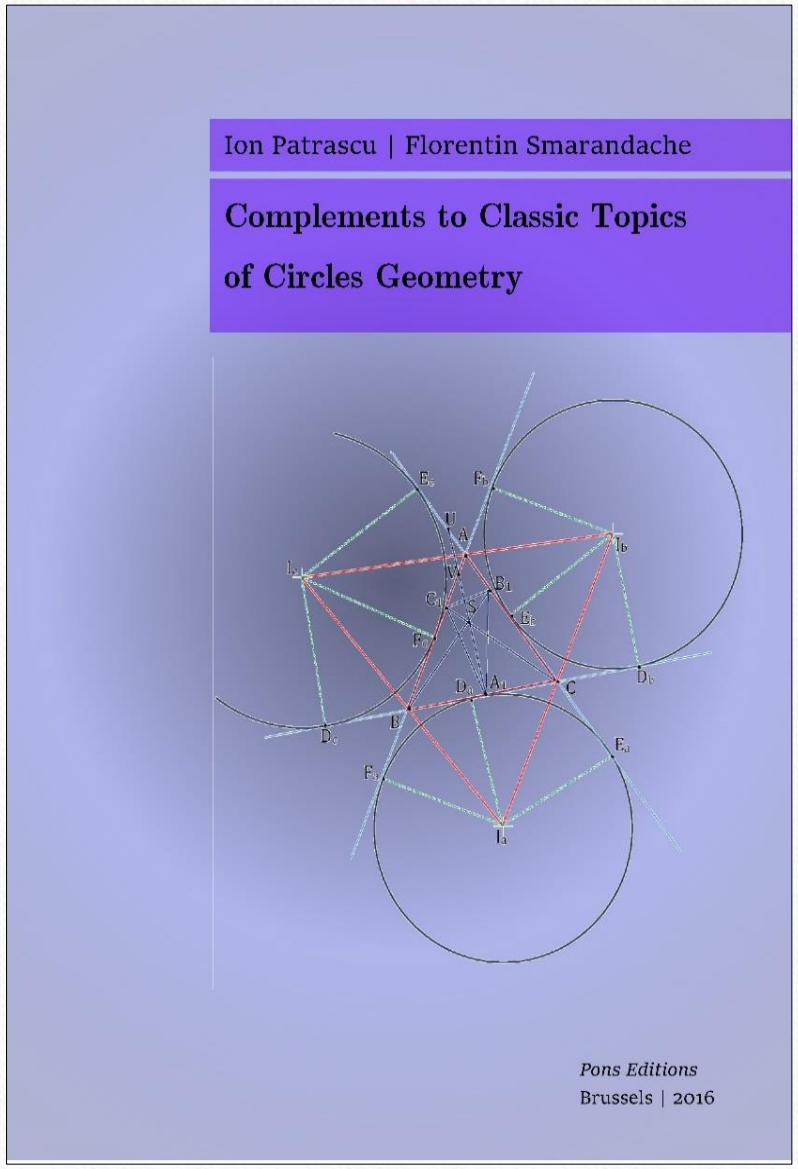


W. B. Vasantha Kandasamy, Florentin Smarandache: **Special Type of Topological Spaces Using [0, n).** Brussels, Belgium: EuropaNova, 2015, 228 p.

Keywords: Algebraic Structure, Topological Spaces, Super Subset Interval Semigroup, Subset Interval Pseudo Ring Semiring, Strong Super Special Subset.

In this book authors for the first time introduce the notion of special type of topological spaces using the interval [0, n). They are very different from the usual topological spaces. Algebraic structure using the interval [0, n) have been systemically dealt by the authors. Now using those algebraic structures in this book authors introduce the notion of special type of topological spaces. Using the super subset interval semigroup special type of super interval topological spaces are built. Several interesting results in this direction are obtained. Next six types of topological spaces using subset interval pseudo ring semiring of type I is built and they are illustrated by examples. Strong Super Special Subset interval subset topological spaces (SSSS-interval subset topological spaces are constructed using the algebraic structures semigroups, pseudo groups or semirings or pseudo rings. These topological spaces behave in a very different way. Several problems are suggested at the end of each chapter of the book.

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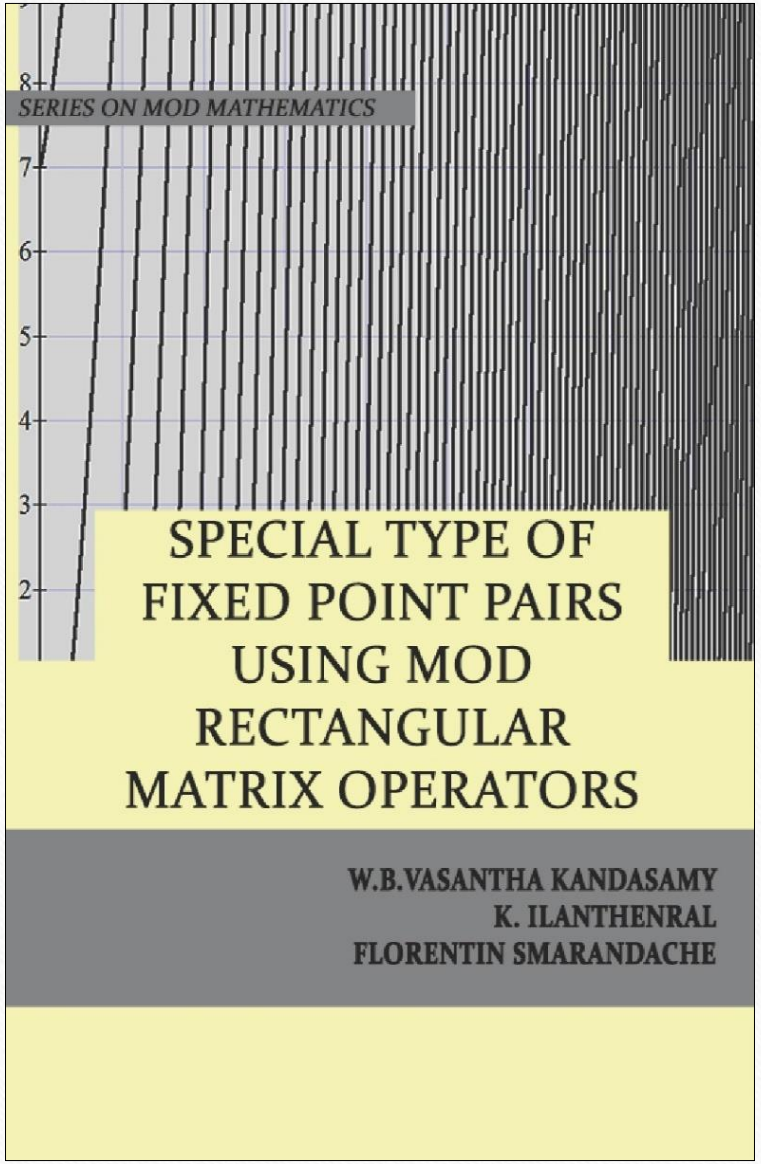


Ion Pătrașcu, Florentin Smarandache: **Complements to Classic Topics of Circles Geometry.** Brussels, Belgium: Pons Editions, 2016, 180 p.

Keywords: Lemoine's Circles, Radical Axis, Circles Radius Calculus, Radical Circle, Ex-Inscribed Circle, Droz-Farny's Circle, Neuberg's Orthogonal Circles, Lucas's Inner Circles, Apollonius's Circles, Euler's Circle, Fixed Point, Harmonic Quadrilateral, Triangulation, Aubert's Line, Inscribed Circles.

The authors approach several themes of classical geometry of the circle and complete them with some original results, showing that not everything in traditional math is revealed, and that it still has an open character. The topics were chosen according to authors' aspiration and attraction, as a poet writes lyrics about spring according to his emotions.

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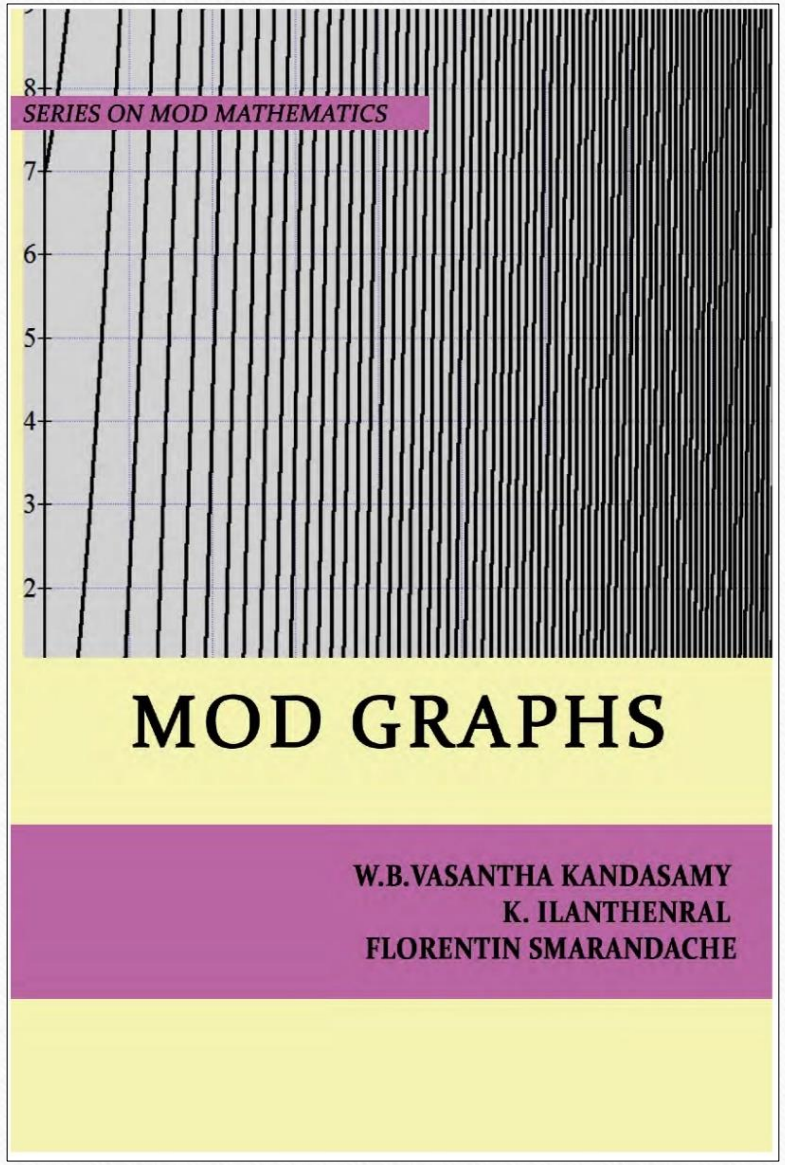


W. B. Vasantha Kandasamy, Ilanthenral K., Florentin Smarandache: **Special Type of Fixed Point Pairs using MOD Rectangular Matrix Operators**. Brussels, Belgium: EuropaNova, 2016, 255 p.

Keywords: MOD-Fixed Point Pairs, MOD-Rectangular Real Matrix Operators, MOD Rectangular Matrix Operators, MOD Matrix Operators, MOD Interval.

In this book authors for the first time define a special type of fixed points using MOD rectangular matrices as operators. In this case the special fixed points or limit cycles are pairs which is arrived after a finite number of iterations. Such study is both new and innovative for it can find lots of applications in mathematical modeling. Such study is new innovative and certainly lead to several special important applications in the field of science, engineering, technology medicine and social issues. This book gives lots of illustrative examples to make it easy for a non mathematician. Several problems are suggested about MOD special fixed point pairs and MOD limit cycle pairs for the interested reader.

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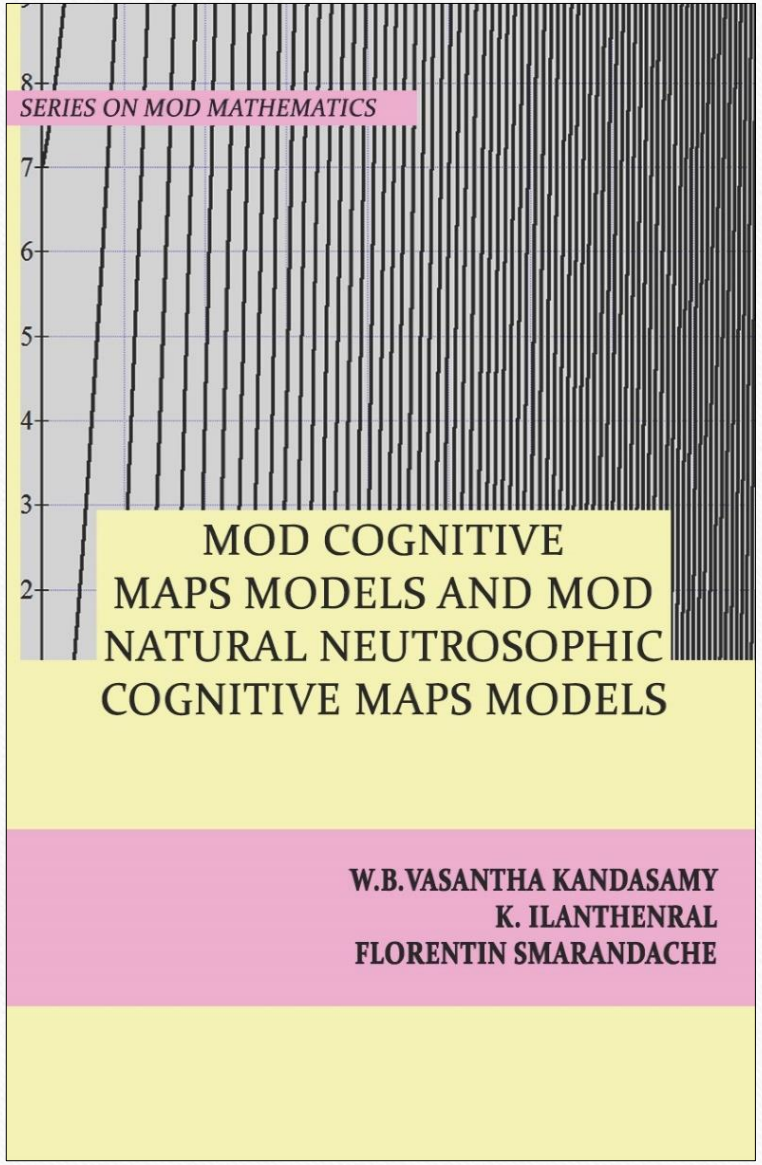


W. B. Vasantha Kandasamy, Ilanthenral K., Florentin Smarandache: **MOD Graphs.** Brussels, Belgium: EuropaNova, 2016, 348 p.

Keywords: Neutrosophic Theory, MOD Graphs, MOD Natural Neutrosophic Graphs, MOD Bipartite Graphs, MOD Directed Graphs, MOD Finite Complex Number Graphs, MOD Neutrosophic Graphs, MOD Dual Number Graphs.

In this book authors for the first time introduce study and develop the notion of MOD graphs, MOD directed graphs, MOD finite complex number graphs, MOD neutrosophic graphs, MOD dual number graphs and so on. Likewise MOD directed natural neutrosophic graphs are defined. Further type I, type II and type III. MOD directed graphs and MOD natural neutrosophic graphs are defined and developed. This book has over 185 examples and over 250 figures. The notion of MOD bipartite graphs and MOD natural neutrosophic bipartite graphs are described. This book gives the probable applications of these concepts to MOD mathematical models like MOD Cognitive Maps model and MOD Relational Maps model which have been introduced by the authors. There are open conjectures which can help the researchers in graph theory. Several innovative results are obtained.

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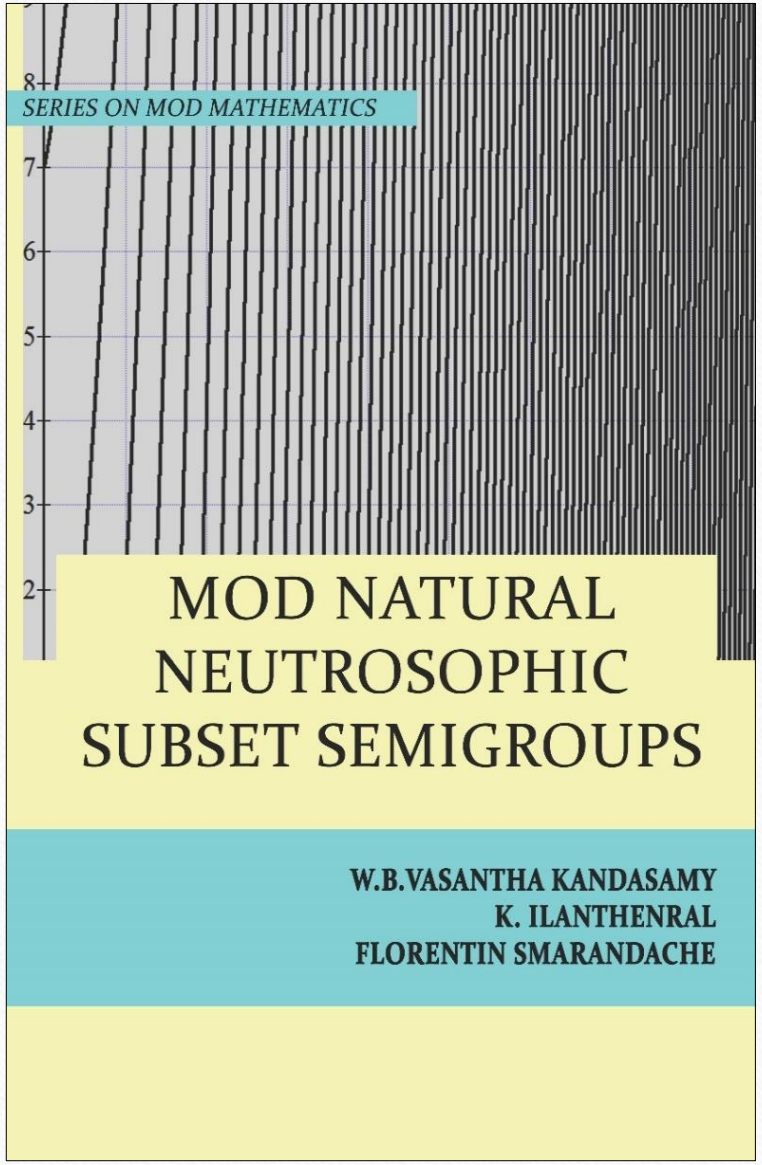


W. B. Vasantha Kandasamy, Ilanthenral K., Florentin Smarandache: **MOD Cognitive Maps Models and MOD Natural Neutrosophic Cognitive Maps Models.** Brussels, Belgium: EuropaNova, 2016, 223 p.

Keywords: MOD Cognitive Maps, MOD-Natural Neutrosophic Cognitive Maps (MOD NCMS), MOD Interval Cognitive Maps.

In this book authors for the first time introduce new mathematical models analogous to FCMs and NCMs. They have constructed 12 types of MOD Cognitive Maps models, such as: MOD Cognitive Maps model, MOD dual number Cognitive Maps model, MOD neutrosophic Cognitive Maps model, MOD finite complex number Cognitive Maps model, MOD special dual like number Cognitive Maps model, MOD special quasi dual number Cognitive Maps model. Apart from this they have defined MOD natural neutrosophic Cognitive Maps model, MOD natural neutrosophic-neutrosophic Cognitive Maps model, MOD natural neutrosophic dual number Cognitive Maps model, MOD natural neutrosophic special dual like number Cognitive Maps model, MOD natural neutrosophic special quasi dual number model and MOD natural neutrosophic finite complex number Cognitive Maps model. These model certainly are more appropriate than the existing ones. Finally they construct MOD interval Cognitive Maps model and describes it. The final chapter suggests a collection of problems for the interested reader.

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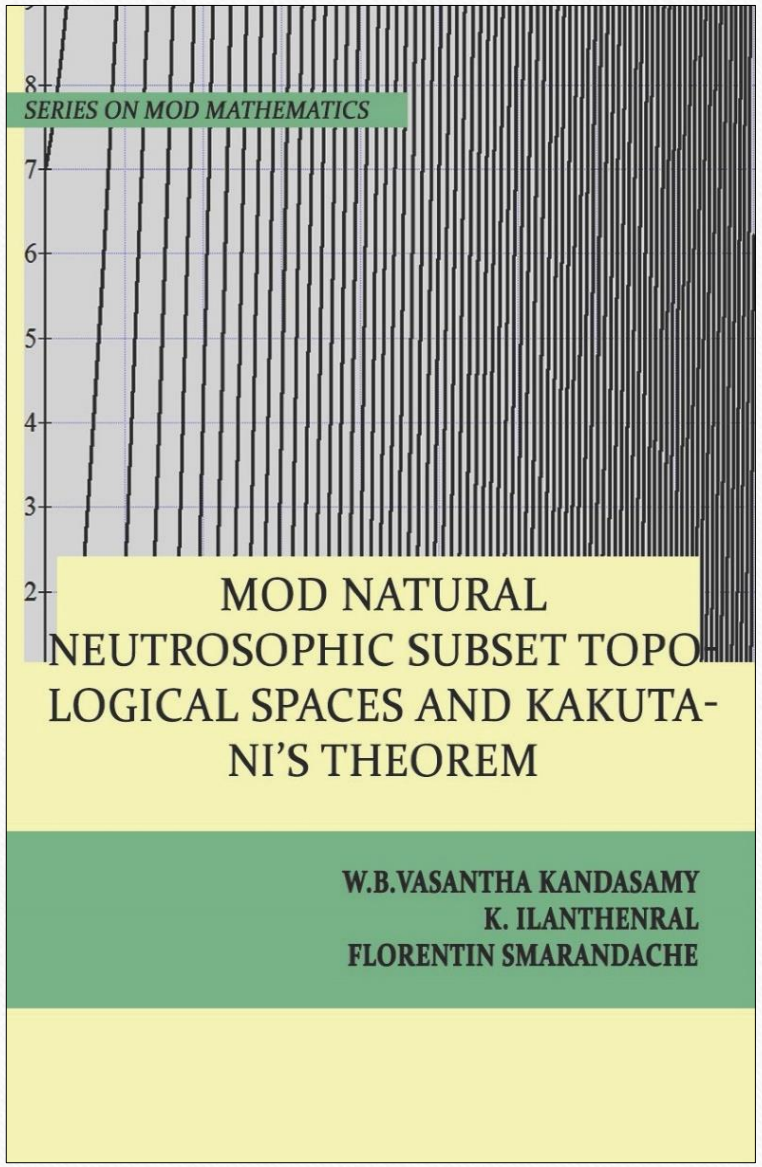


W. B. Vasantha Kandasamy, Ilanthenral K., Florentin Smarandache: **MOD Natural Neutrosophic Subset Semigroups.** Brussels, Belgium: EuropaNova, 2016, 360 p.

Keywords: Semigroups, MOD Subset Algebraic Structures, MOD Natural Neutrosophic Subset Semigroups, MOD Subset Matrices, MOD Subset Polynomials, MOD Subset Natural Neutrosophic Semigroups.

In this book authors for the first time introduce the notion of MOD subsets. The S-semigroups enjoy several interesting properties. The notion of MOD universal subset and MOD absorbing subsets are defined and developed. MOD natural neutrosophic subsets forms only a semigroup under '+'. In fact the main feature enjoyed by this structure is they have subset idempotents with respect to '+'. They are S-semigroups under '+'. These MOD natural neutrosophic subsets of all 6 types are only semigroups under 'x'. These enjoy distinct properties depending on the subset that is used. Further in these cases two types of products can be used one zero dominated product and the other MOD natural neutrosophic zero dominated product. Both the product are different. Finally using these MOD subsets matrices and polynomials are defined and developed. The new notion of MOD subset matrices are defined and these collections also under '+' (or 'x') are only semigroups. On similar lines MOD subset polynomials are defined and they also form only a semigroup under '+' (or 'x'). These new notions are interesting and researchers can find lots of applications where semigroups find their applications. Several problems at research level are also suggested for the readers.

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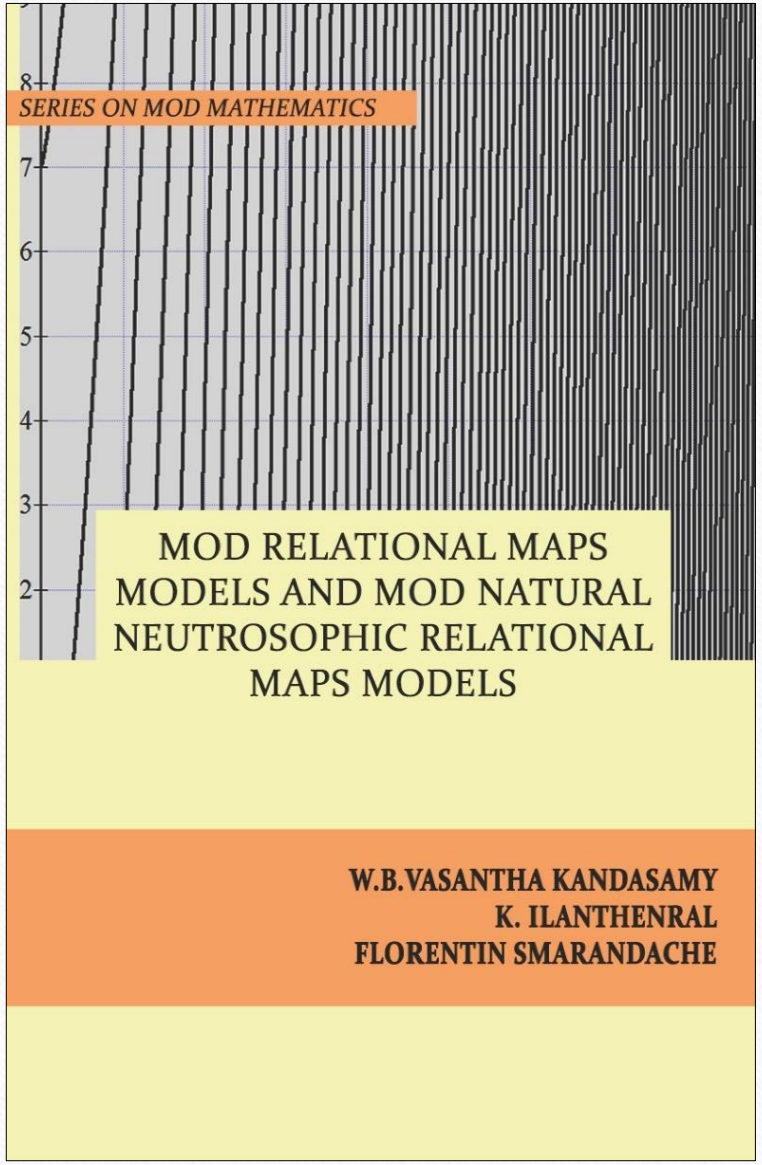


W. B. Vasantha Kandasamy, Ilanthenral K., Florentin Smarandache: **MOD Natural Neutrosophic Subset Topological Spaces and Kakutani's Theorem.** Brussels, Belgium: EuropaNova, 2016, 276 p.

Keywords: MOD Subset Semigroups, MOD natural neutrosophic dual numbers, Interval Topological Spaces, Subset Topological Spaces, Kakutani's Theorem.

In this book authors for the first time develop the notion of MOD natural neutrosophic subset special type of topological spaces using MOD natural neutrosophic dual numbers or MOD natural neutrosophic finite complex number or MOD natural neutrosophic-neutrosophic numbers and so on to build their respective MOD semigroups. Later they extend this concept to MOD interval subset semigroups and MOD interval neutrosophic subset semigroups. Using these MOD interval semigroups and MOD interval natural neutrosophic subset semigroups special type of subset topological spaces are built. Further using these MOD subsets we build MOD interval subset matrix semigroups and MOD interval subset matrix special type of matrix topological spaces. Likewise using MOD interval natural neutrosophic subsets matrices semigroups we can build MOD interval natural neutrosophic matrix subset special type of topological spaces. The final chapter mainly proposes several open conjectures about the validity of the Kakutani's fixed point theorem for all MOD special type of subset topological spaces.

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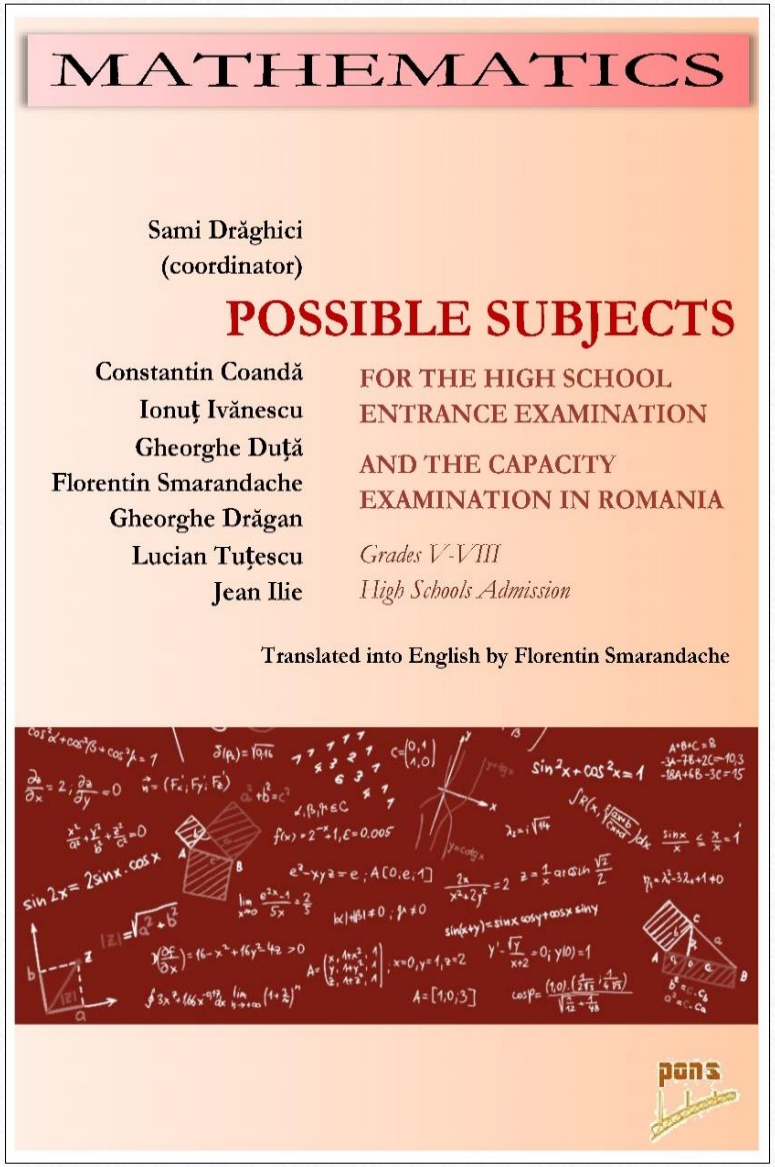


W. B. Vasantha Kandasamy, Ilanthenral K., Florentin Smarandache: **MOD Relational Maps Models and MOD Natural Neutrosophic Relational Maps Models.** Brussels, Belgium: EuropaNova, 2016, 278 p.

Keywords: Fuzzy Relational Maps, Neutrosophic Relational Maps, MOD Relational Maps Models, MOD-Natural Neutrosophic Relational Maps Model, MOD Interval Relational Maps, neutrosophic number, dual number, special quasi dual number, special dual like number.

In this book authors for the first time construct a MOD Relational Maps model analogous to Fuzzy Relational Maps (FRMs) model or Neutrosophic Relational Maps (NRMs) model using the MOD rectangular or relational matrices. The advantage of using these models is that we are sure to get the MOD fixed point pair or a MOD limit cycle pair after a finite number of iterations. However we as in case of FRMs or NRMs need not at each stage threshold the resultant state vectors. We do updating when the on state which we started becomes zero. This is yet another advantage of using these newly constructed models. Finally the resultant state vector pair can be real MOD values or finite complex or neutrosophic or a dual number or a special quasi dual number or special dual like number.

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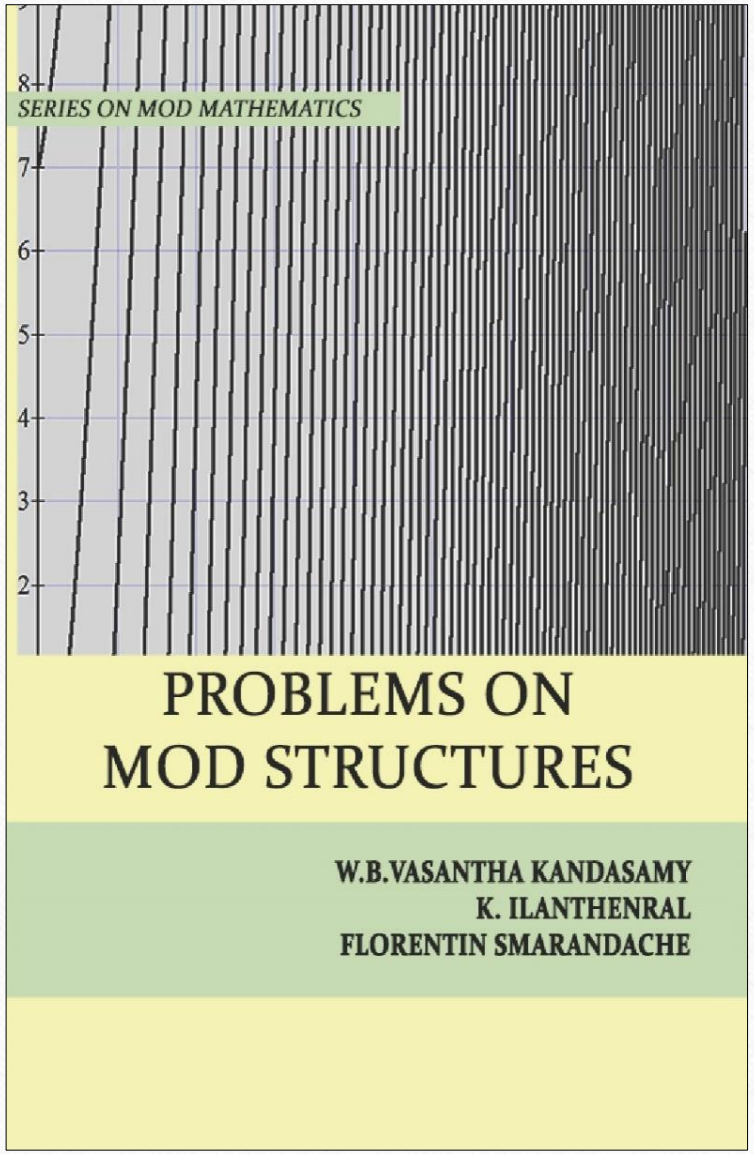


Constantin Coandă, Gheorghe Duţă, Gheorghe Drăgan, Jean Ilie, Ionuț Ivănescu, Florentin Smarandache, Lucian Tufescu, Sami Drăghici: **Possible Subjects for The High School Entrance Examination and The Capacity Examination.** *Grades V-VIII. High Schools Admission. Tests and Answers. Translated into English by Florentin Smarandache.* Brussels, Belgium: Pons, 2016, 340 p.

Keywords: Mathematics, Assessment, High School Admission, Aptitude Test, Exercises.

This work seeks to provide students and teachers with tools for assessing knowledge in all chapters of the current mathematics program. The tests included in this workbook have a complementary character as opposed to the many materials written with the purpose to support all those who prepare for such examinations and they refer to the entire subject matter included in the analytical mathematics syllabus of arithmetic in Romania, algebra and geometry from the lower secondary grades. These tests have been elaborated with the intention to offer proper support to those who use the workbook, assuring them the success and extra preparation for future exams. For all the suggested subjects options the authors present grading scales, solutions, problems solving suggestions and complete answers, depending on the difficulty and the specificity of each problem. Each test has been organized according to the models of the subjects given at recent high school entrance exams and are thus structured so that the entire examination syllabus is covered and the school workbooks are thus rhythmically covered. At the end of the workbook, the subjects given at the mathematics examination in the years 1991-1997 were included.

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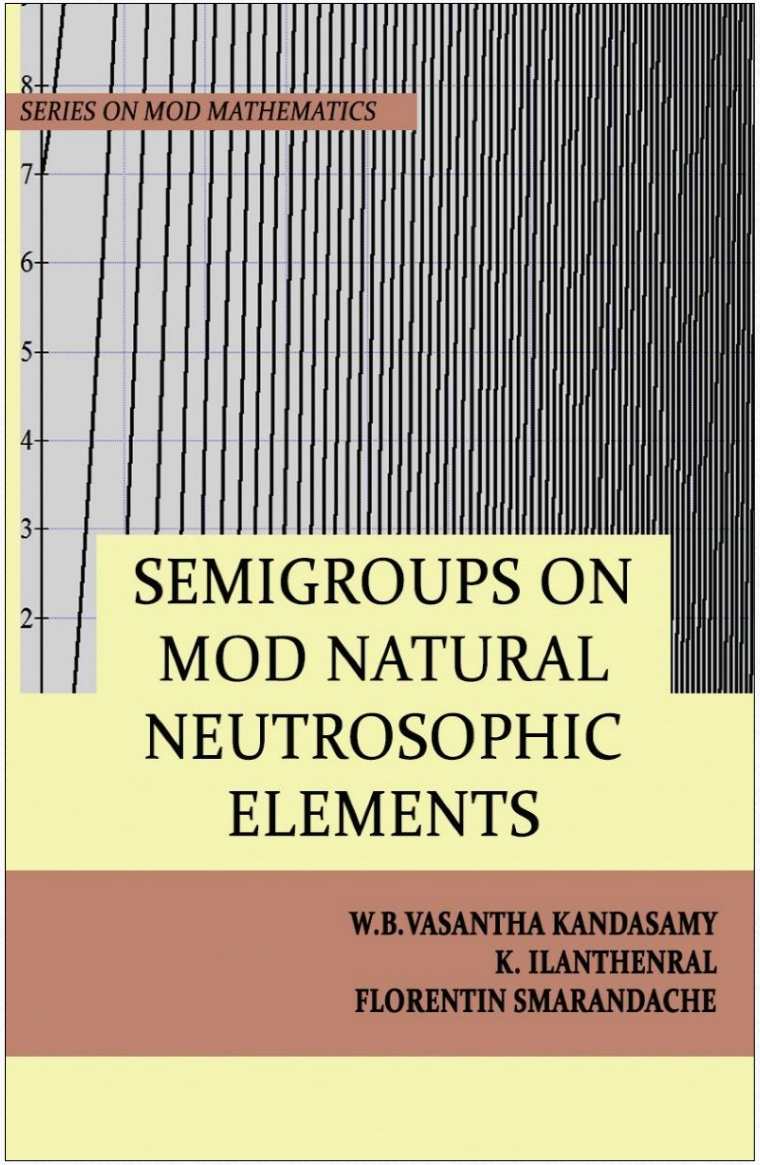


W. B. Vasantha Kandasamy, Ilanthenral K., Florentin Smarandache: **Problems on MOD Structures.** Brussels, Belgium: EuropaNova, 2016, 145 p.

Keywords: MOD Intervals, MOD Planes, MOD Structures, MOD Natural Neutrosophic Elements, MOD Interval Polynomials, MOD Plane Polynomials, MOD Functions, MOD Differentiation, MOD Integration of Functions, MOD Planes.

In this book authors for the first time give several types of problems on MOD structures happens to be an interesting field of study as it makes the whole 4 quadrant plane into a single quadrant plane and the infinite line into a half closed open interval. So study in this direction will certainly yield several interesting results. The law of distributivity is not true. Further the MOD function in general do not obey all the laws of integration or differentiation. Likewise MOD polynomials in general do not satisfy the basic properties of polynomials like its roots etc. Thus over all this study is not only innovative and interesting but challenging. So this book which is only full of problems based on MOD structures will be a boon to researchers. Further the MOD series books of the authors will certainly be an appropriate guide to solve these problems.

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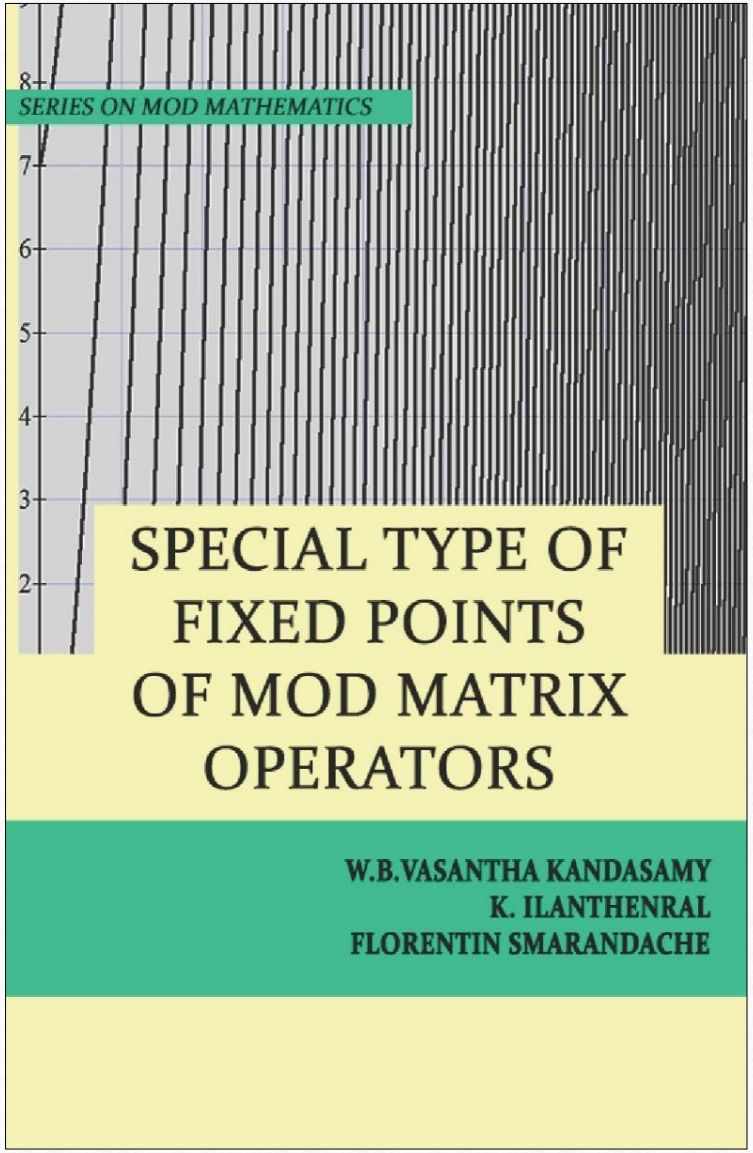


W. B. Vasantha Kandasamy, Ilanthenral K., Florentin Smarandache: **Semigroups on MOD Natural Neutrosophic Elements**. Brussels, Belgium: EuropaNova, 2016, 232 p.

Keywords: Semigroups, MOD Natural Neutrosophic Elements, MOD Natural Neutrosophic Integers, MOD Natural Neutrosophic-Neutrosophic Numbers, MOD Natural Neutrosophic Finite Complex Modulo Integer, Neutrosophic Special dual like Number.

In this book the notion of semigroups under + is constructed using the MOD natural neutrosophic integers or MOD natural neutrosophic-neutrosophic numbers or MOD natural neutrosophic finite complex modulo integer or MOD natural neutrosophic dual number integers or MOD natural neutrosophic special dual like number or MOD natural neutrosophic special quasi dual numbers are analysed in a systematic way. Secondly, the operation of × is defined and under × also these sets form only a semigroup. Several important properties about them are analysed. Several open conjectures are proposed.

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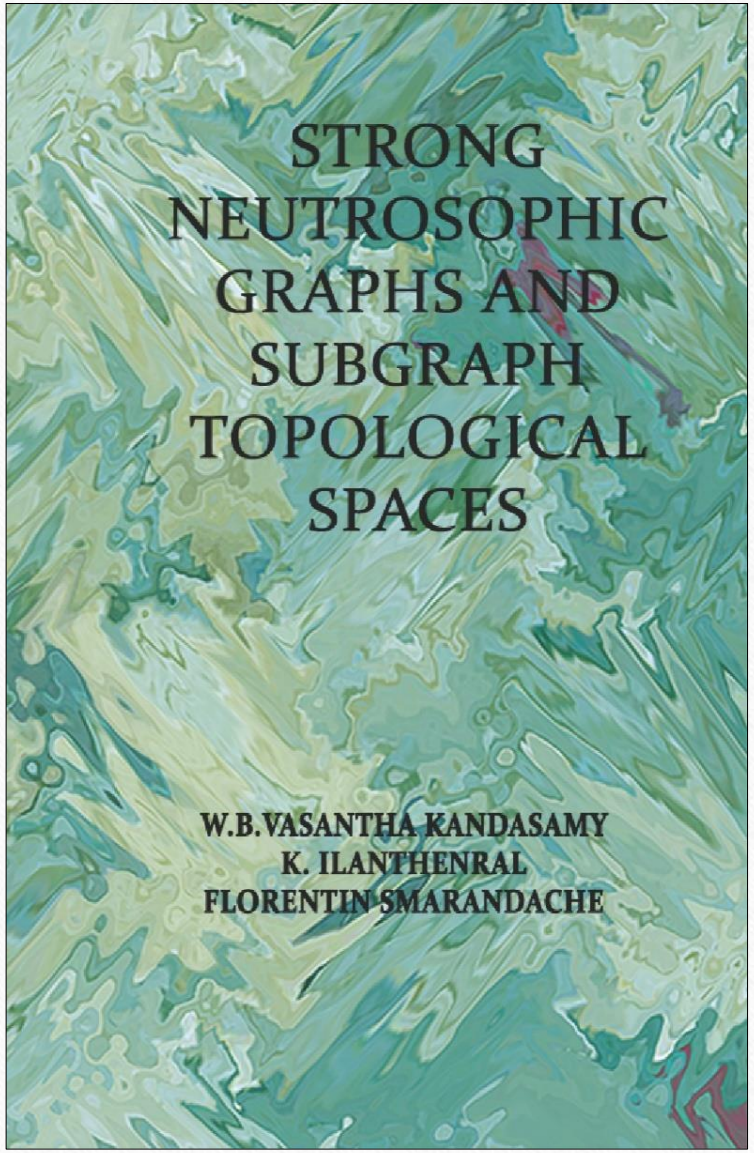


W. B. Vasantha Kandasamy, Ilanthenral K., Florentin Smarandache: **Special Type of Fixed Points of MOD Matrix Operators.** Brussels, Belgium: EuropaNova, 2016, 200 p.

Keywords: Classical Fixed Points, MOD-Fixed Point Theory, MOD Matrices, MOD-Matrix Operators, MOD Functions, Neutrosophic Modulo Integer.

In this book authors for the first time introduce a special type of fixed points using MOD square matrix operators. These special type of fixed points are different from the usual classical fixed points. A study of this is carried out in this book. Several interesting properties are developed in this regard. The notion of these fixed points find many applications in the mathematical models which are dealt systematically by the authors in the forth coming books. These special type of fixed points or special realized limit cycles are always guaranteed as we use only MOD matrices as operators with its entries from modulo integers. However this sort of results are NP hard problems if we use reals or complex numbers.

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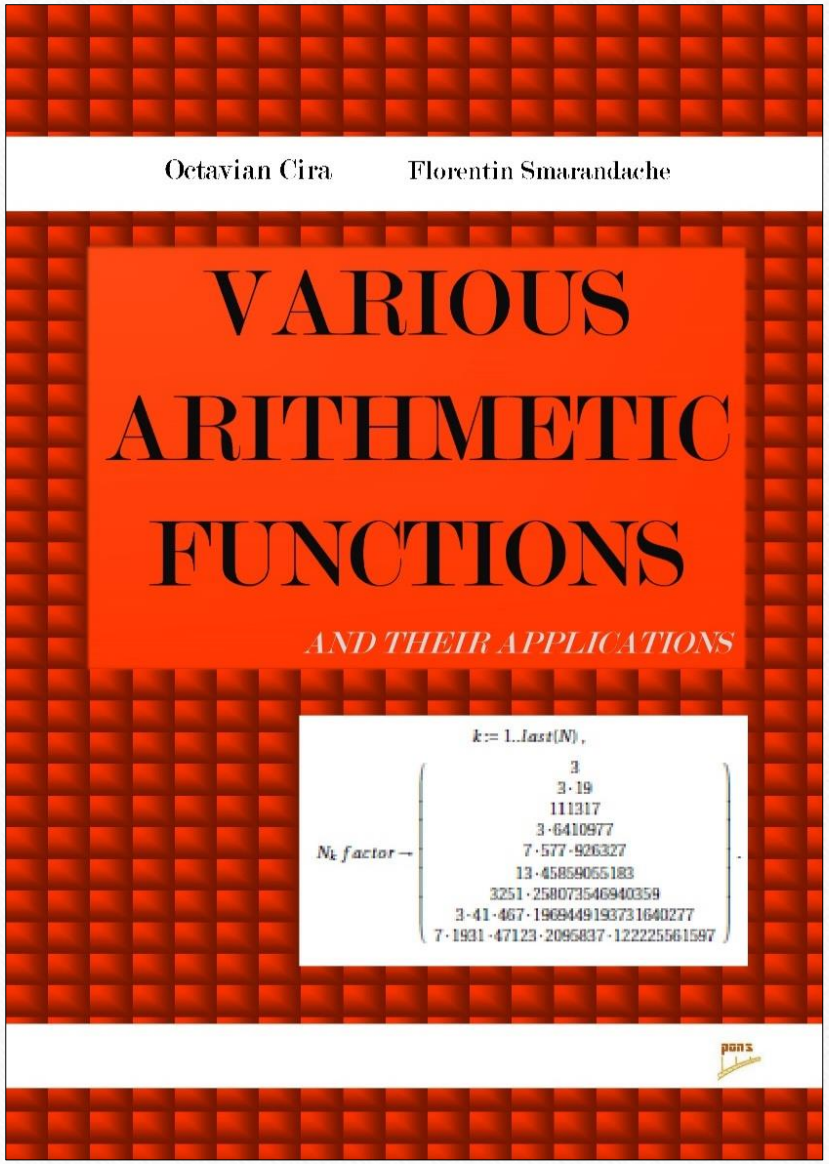


W. B. Vasantha Kandasamy, Ilanthenral K., Florentin Smarandache: **Strong Neutrosophic Graphs and Subgraph Topological Subspaces.** Brussels, Belgium: EuropaNova, 2016, 226 p.

Keywords: Neutrosophic Graphs, Strong Neutrosophic Graphs, Topological Spaces, Subgraphs, Lattice Graph Open Conjectures.

In this book authors for the first time introduce the notion of strong neutrosophic graphs. They are very different from the usual graphs and neutrosophic graphs. Using these new structures special subgraph topological spaces are defined. Further special lattice graph of subgraphs of these graphs are defined and described. Several interesting properties using subgraphs of a strong neutrosophic graph are obtained. Several open conjectures are proposed. These new class of strong neutrosophic graphs will certainly find applications in NCMs, NRMs and NREs with appropriate modifications. These new notions are interesting and researchers can find lots of applications where neutrosophic graphs find their applications. Apart from some open conjectures several problems at research level are also suggested for the readers.

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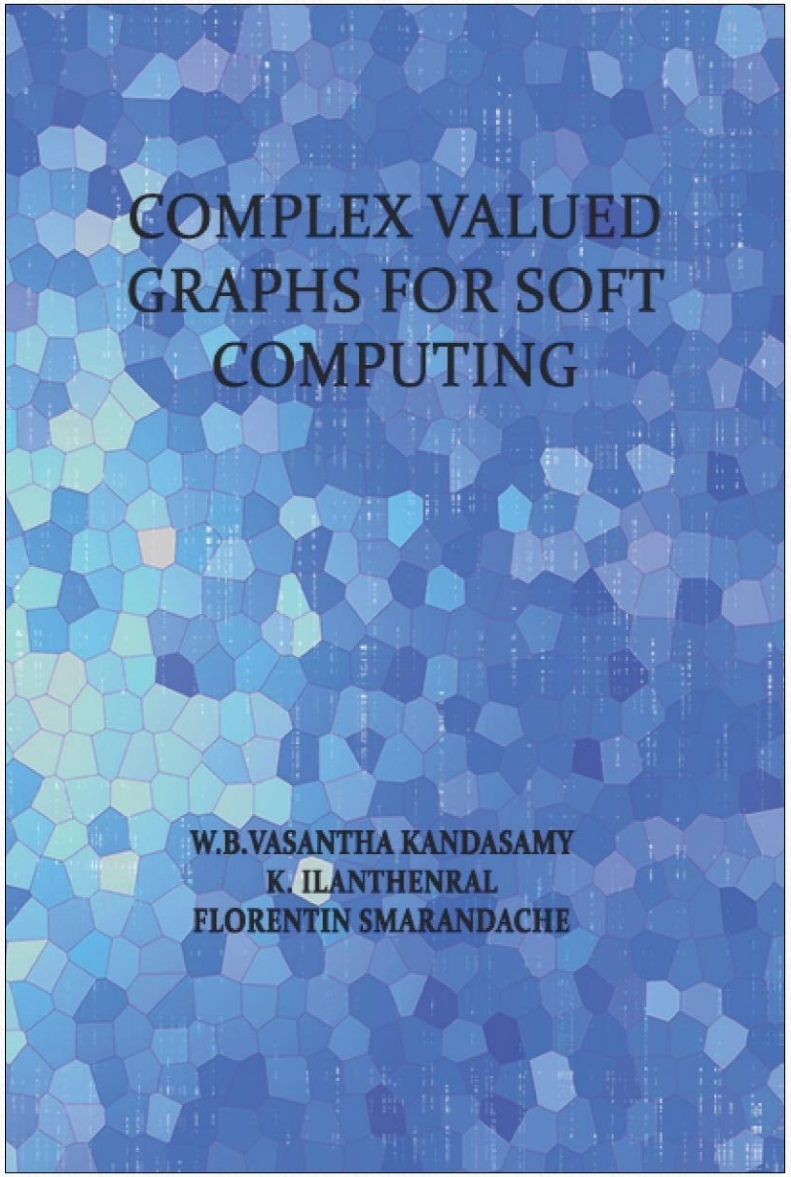


Octavian Cira, Florentin Smarandache: **Various Arithmetic Functions and their Applications.** Brussels, Belgium: Pons, 2016, 400 p.

Keywords: Unsolved Problems, Theorems, Formulae, Conjectures, Mathematical Criteria, Integer Sequences, Numbers, Quotients, Residues, Exponents, Sieves, Pseudo-Primes Squares Cubes Factorials, Almost Primes, Mobile Periodicals, Functions, Tables, Prime Square Factorial Bases, Generalized Factorials, Generalized Palindromes.

Over 300 sequences and many unsolved problems and conjectures related to them are presented herein. These notions, definitions, unsolved problems, questions, theorems corollaries, formulae, conjectures, examples, mathematical criteria, etc. on integer sequences, numbers, quotients, residues, exponents, sieves, pseudo-primes squares cubes factorials, almost primes, mobile periodicals, functions, tables, prime square factorial bases, generalized factorials, generalized palindromes, so on, have been extracted from the Archives of American Mathematics (University of Texas at Austin) and Arizona State University (Tempe): "The Florentin Smarandache papers" special collections, University of Craiova Library, and Arhivele Statului (Filiala Vâlcea & Filiala Dolj, România). The book is based on various articles in the theory of numbers (starting from 1975), updated many times. This book was born from the collaboration of the two authors, which started in 2013. The first common work was the volume "Solving Diophantine Equations", published in 2014. The contribution of the authors can be summarized as follows: Florentin Smarandache came with his extraordinary ability to propose new areas of study in number theory, and Octavian Cira – with his algorithmic thinking and knowledge of Mathcad.

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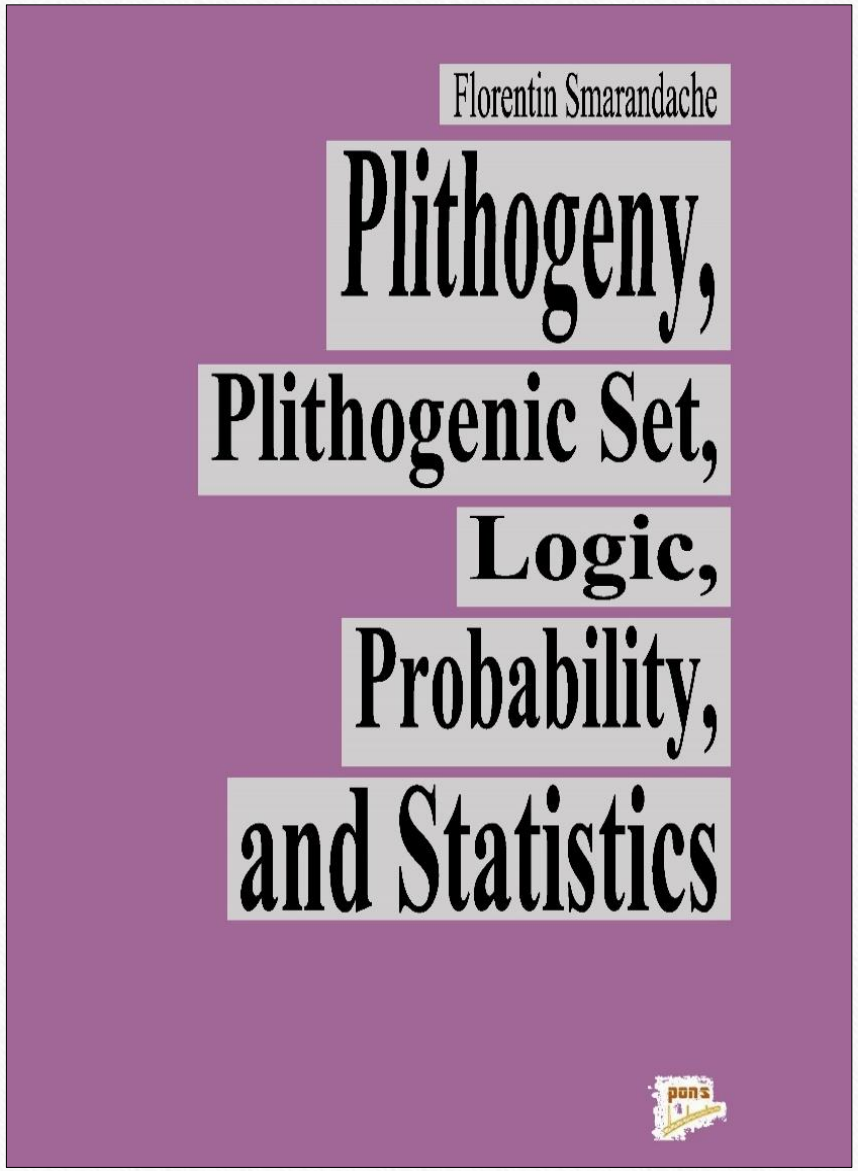


W. B. Vasantha Kandasamy, Ilanthenral K., Florentin Smarandache: **Complex Valued Graphs for Soft Computing**. Brussels, Belgium: EuropaNova, 2017, 281 p.

Keywords: Complex Valued Graphs, Strong Complex Valued Graphs, Complex Neutrosophic Valued Graphs, Fuzzy Cognitive Maps, Fuzzy Relational Maps.

In this book authors for the first time introduce in a systematic way the notion of complex valued graphs, strong complex valued graphs and complex neutrosophic valued graphs. Several interesting properties are defined, described and developed. Most of the conjectures which are open in case of usual graphs continue to be open problems in case of both complex valued graphs and strong complex valued graphs. The authors also give some applications of them in soft computing and social networks. However in this book authors define and develop mathematical models using the complex valued directed graphs akin to Fuzzy Cognitive Maps model and Fuzzy Relational Maps models. Further it is pertinent to record in real world problems the values or impulse or synaptic relations can be imaginary or indeterminate or both. These situations can be studied using complex valued graphs or strong complex valued graphs or neutrosophic complex valued graphs.

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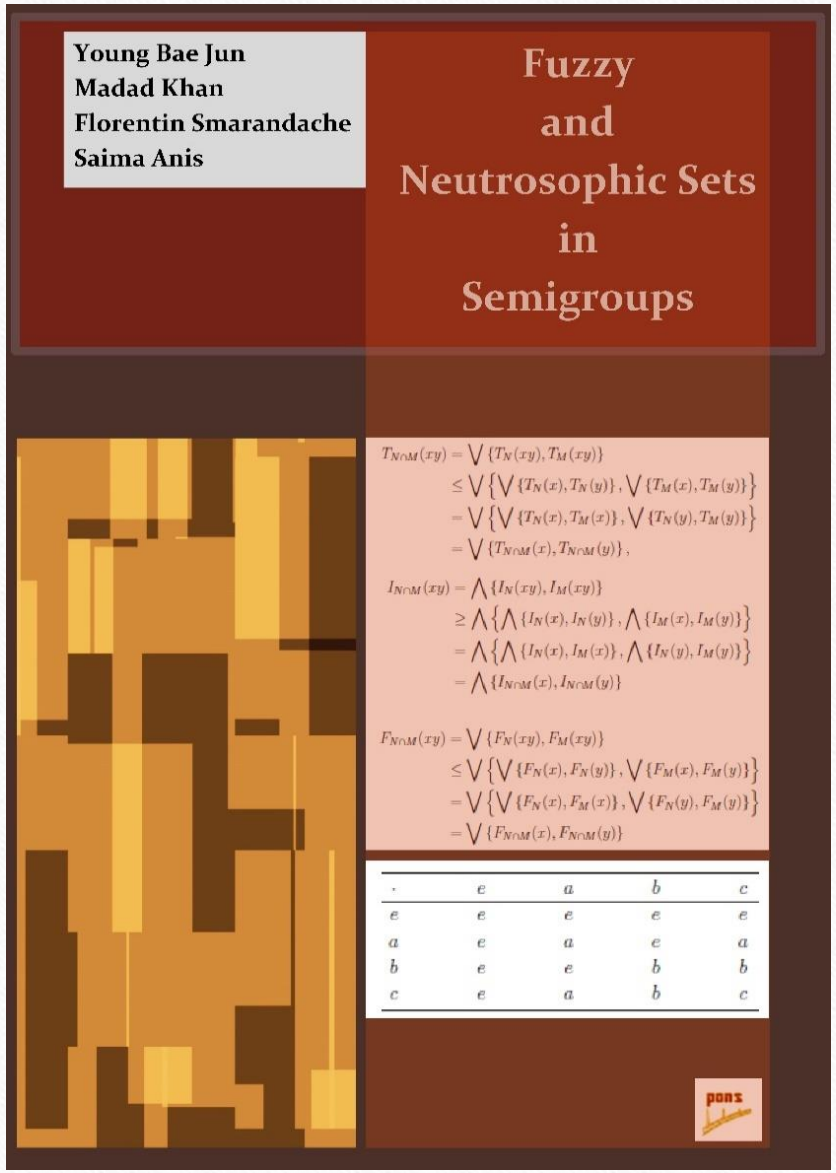
Florentin Smarandache: **Plithogeny, Plithogenic Set, Logic, Probability, and Statistics.** Brussels, Belgium: Pons, 2017, 141 p.

Keywords: Plithogeny, Plithogenic Set, Plithogenic Logic, Plithogenic Probability, Plithogenic Statistics, Degree of Appurtenance, Contradiction Degree, Plithogenic Intersection, Plithogenic Union.

The author introduces for the first time the concept of plithogeny in philosophy and, as a derivative, the concepts of plithogenic set / logic / probability / statistics in mathematics and engineering – and the degrees of contradiction (dissimilarity) between the attributes' values that contribute to a more accurate construction of plithogenic aggregation operators and to the plithogenic relationship of inclusion (partial ordering). They resulted from practical needs in our everyday life, and several examples and applications of them are presented.

Plithogeny is the genesis or origination, creation, formation, development, and evolution of new entities from dynamics and organic fusions of contradictory and/or neutrals and/or non-contradictory multiple old entities. Plithogeny pleads for the connections and unification of theories and ideas in any field. As "entities" in this study, we take the "knowledges" in various fields, such as soft sciences, hard sciences, arts and letters theories, etc.

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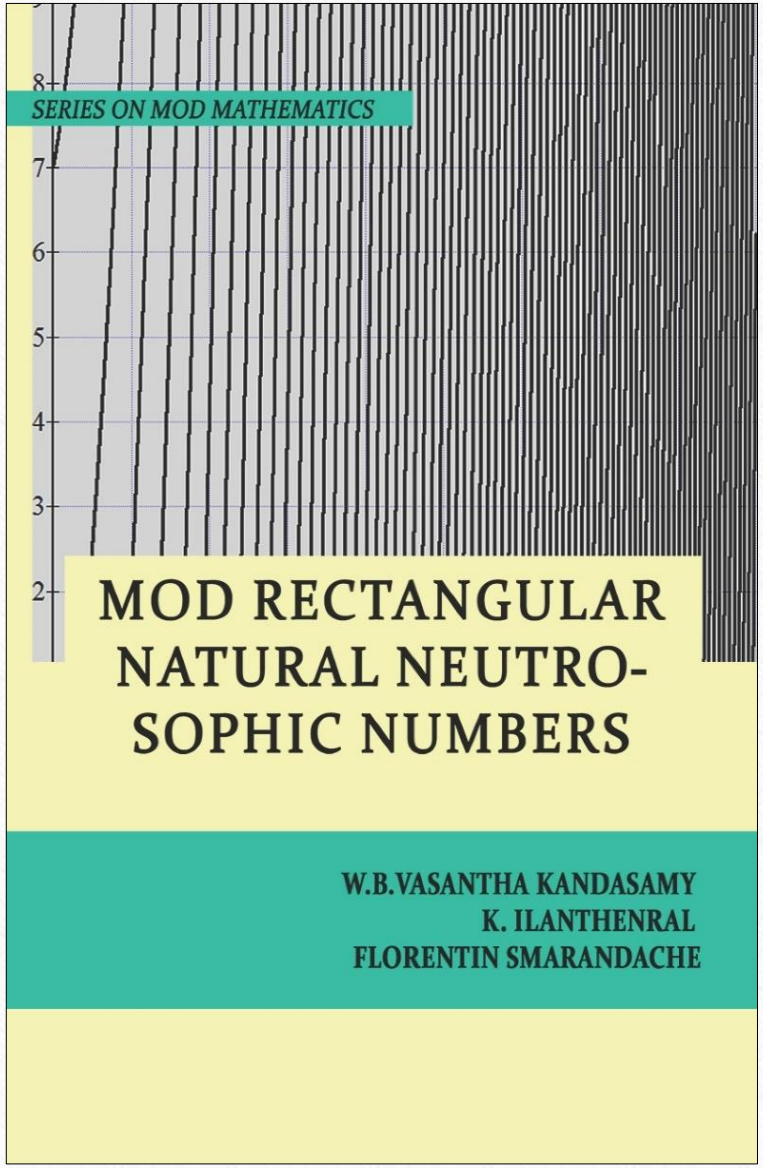


Young Bae Jun, Madad Khan, Florentin Smarandache, Saima Anis: **Fuzzy and Neutrosophic Sets in Semigroups.** Brussels, Belgium: Pons, 2018, 95 p.

Keywords: Fuzzy, neutrosophy, neutrosophic sets, semigroups, Neutrosophic N-structure, neutrosophic N-subsemigroup, ε-neutrosophic N-subsemigroup, neutrosophic N-product.

The topics discussed in this book are Int-soft semigroup, Int-soft left (right) ideal, Int-soft (generalized) bi-ideal, Int-soft quasi-ideal, Int-soft interior ideal, Int-soft left (right) duo semigroup, starshaped (∈, ∈∨ qk)-fuzzy set, quasi-starshaped (∈, ∈∨ qk)-fuzzy set, semidetached mapping, semidetached semigroup, (∈, ∈ ∨qk)-fuzzy subsemi-group, (qk, ∈ ∨qk)-fuzzy subsemigroup, (∈, ∈ ∨ qk)-fuzzy subsemigroup, (qk, ∈ ∨ qk)-fuzzy subsemigroup, (∈ ∨ qk, ∈ ∨ qk)-fuzzy subsemigroup, (∈, ∈∨ qkδ)-fuzzy subsemigroup, ∈∨ qkδ -level subsemigroup/bi-ideal, (∈, ∈∨ qkδ)-fuzzy (generalized) bi-ideal, δ-lower (δ-upper) approximation of fuzzy set, δ-lower (δ-upper) rough fuzzy subsemigroup, δ-rough fuzzy subsemigroup.

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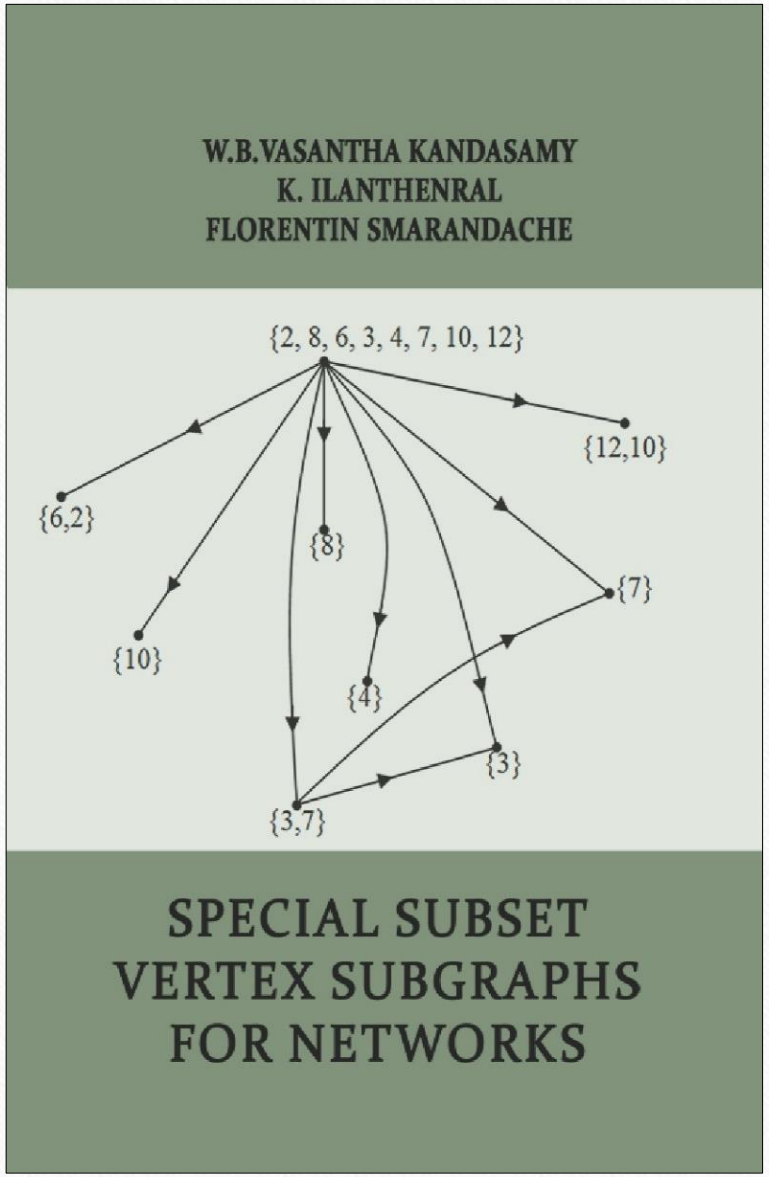


W. B. Vasantha Kandasamy, Ilanthenral K., Florentin Smarandache: **MOD Rectangular Natural Neutrosophic Numbers.** Brussels, Belgium: EuropaNova, 2017, 261 p.

Keywords: Algebraic Structures, MOD planes, Rectangular MOD Planes, Semigroups, Automaton Theory, Matrix, Polynomial MOD Rectangular Natural Neutrosophic Semigroups.

In this book authors introduce the new notion of MOD rectangular planes. The functions on them behave very differently when compared to MOD planes (square). These are different from the usual MOD planes. Algebraic structures on these MOD rectangular planes are defined and developed. These semigroups have special and distinct features. Certainly these finite structures can find applications in several important problems related to automaton theory. The authors also mention about matrix and polynomial MOD rectangular natural neutrosophic semigroups. Several innovative results are obtained.

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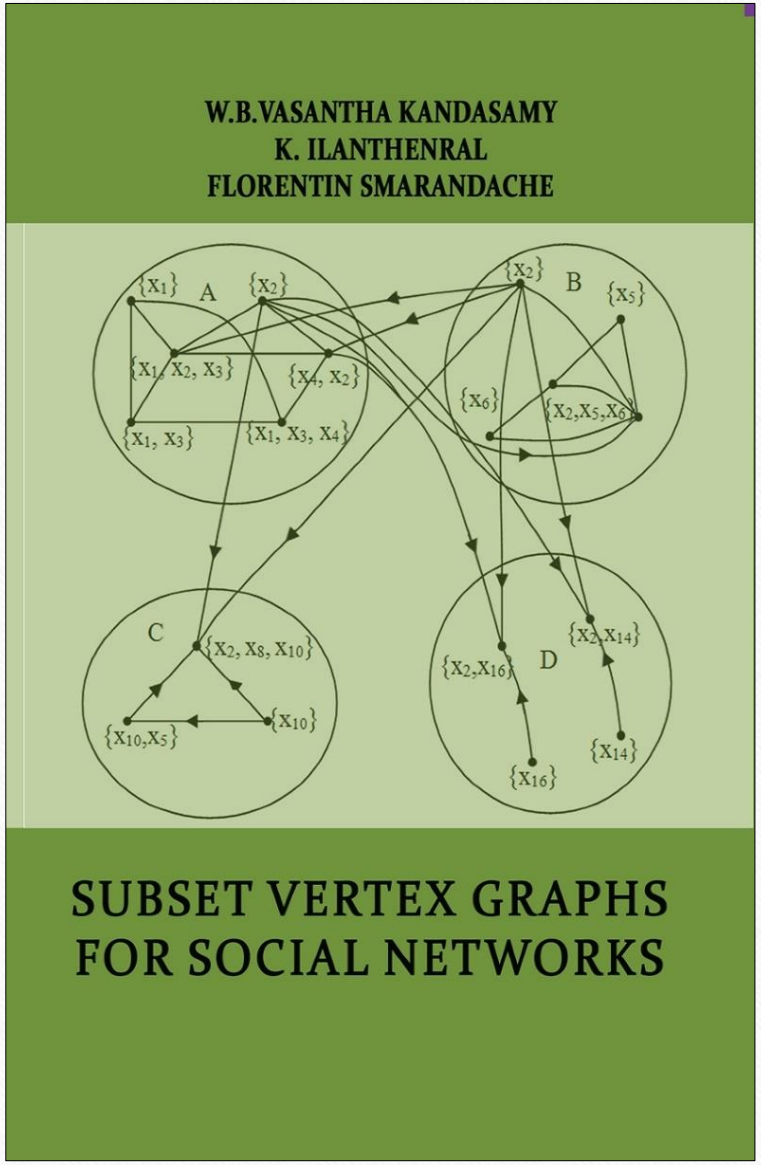


W. B. Vasantha Kandasamy, Ilanthenral K., Florentin Smarandache: **Special Subset Vertex Subgraphs for Social Networks.** Brussels, Belgium: EuropaNova, 2018, 286 p.

Keywords: Projective Subset Vertex Graphs, Special Subgraphs, Subset Vertex Graphs, Power Set, Fault Tolerant Graphs.

In this book authors for the first time introduce the new notion of special subset vertex subgraph of subset vertex graphs. These subset vertex graphs takes the vertex set values from the power set P(X) of any set X. The main speciality of these subset vertex graphs is that once a set of subsets from P(X) is given, the edges of the graph are fixed in a unique way, so for a given collection of subset vertices the graph is always unique. The special subset vertex subgraphs of G are the ones, which have the same number of vertices as that of the subset vertex graph G. This special property enables one to use these subgraphs as fault tolerant graphs for fault tolerant networks. In this book authors define the notion of special subset vertex hyper subgraphs, which are better suited for fault tolerant graphs.

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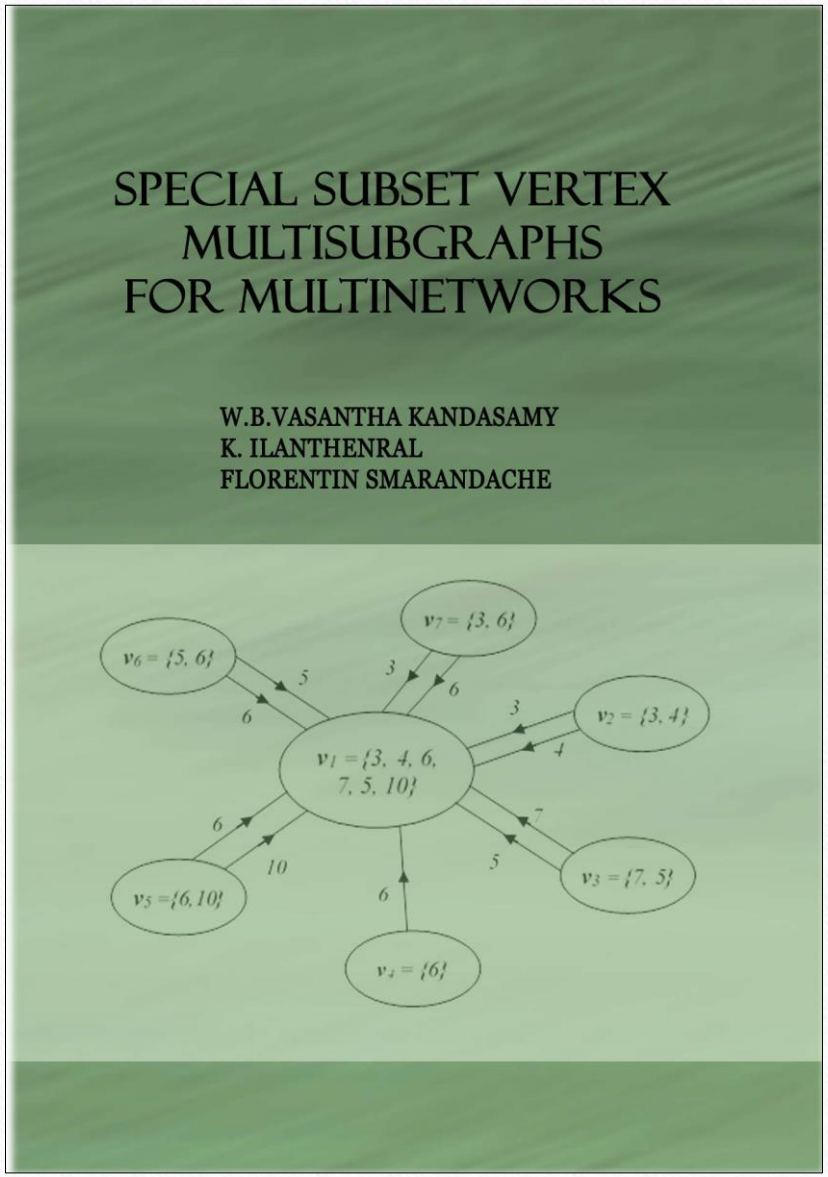


W. B. Vasantha Kandasamy, Ilanthenral K., Florentin Smarandache: **Subset Vertex Graphs for Social Networks**. Brussels, Belgium: EuropaNova, 2018, 288 p.

Keywords: Subset Vertex Graphs, Vertex Set, Power Set, Indeterminate Numbers, Social Networking, Information Networks.

In this book authors for the first time introduce the notion of subset vertex graph using the vertex set as the subset of the power set P(S), S is assumed in this book to be finite; however it can be finite or infinite. Theey have defined two types of subset vertex graphs, one is directed and the other one is not directed. The most important fact which must be kept in record is that for a given set of vertices there exists one and only one subset vertex graph be it of type I or type II. Several important and innovative features of these graphs are defined, described and developed in this book. The set S considered can be real or complex or indeterminate or dual numbers depending on the problem in hand. However by the definitions of the subset vertex graphs of type I and type II the edges or relation between two vertices are always real. Based on the property that in case of subset vertex graphs for a given set of vertices the graph is unique, these graphs are well suited for social networking. This is one of the special features enjoyed by these subset vertex graphs. The applications of these new types of subset vertex graphs are dealt in chapter three of this book. Authors suggest several open problems for any researcher. Finally these new types of subset vertex graphs will be very useful in general to researchers in computer networks and in particular to researchers in social information networks.

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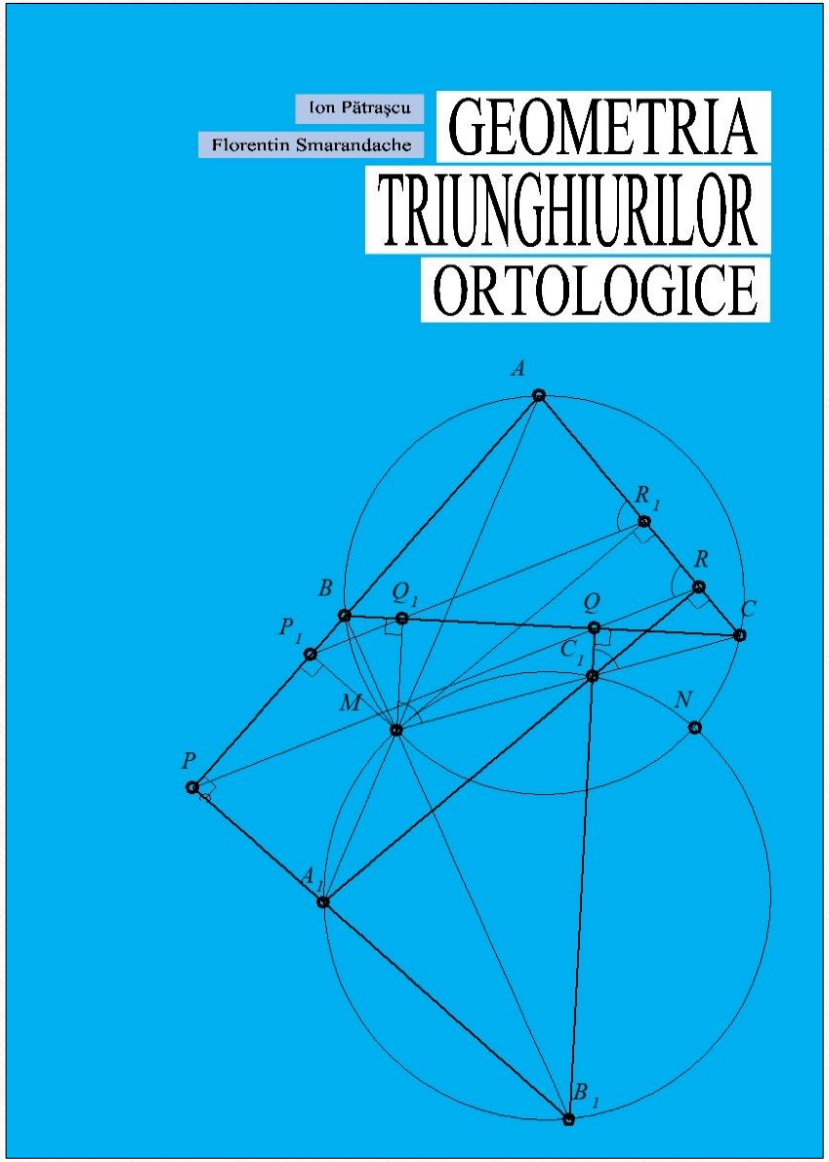


W. B. Vasantha Kandasamy, Ilanthenral K., Florentin Smarandache: **Special Subset Vertex Multisubgraphs for Multi Networks.** Brussels, Belgium: EuropaNova, 2019, 251 p.

Keywords: Subset Vertex Multi Subgraphs, Subset Vertex Multisubgraphs, Edge Multisubgraphs, Fault Tolerant Networks, Super Special Subset Vertex Multigraphs, Multinetwork.

In this book authors study special type of subset vertex multi subgraphs; these multi subgraphs can be directed or otherwise. Another special feature of these subset vertex multigraphs is that we are aware of the elements in each vertex set and how it affects the structure of both subset vertex multisubgraphs and edge multisubgraphs. It is pertinent to record at this juncture that certain ego centric directed multistar graphs become empty on the removal of one edge, there by theorising the importance, and giving certain postulates how to safely form ego centric multi networks. Given any subset vertex multigraph we are not always guaranteed of getting the special subset vertex multisubgraphs. However, if we have subset vertex multigraphs which has special subset vertex multisubgraphs then we can have corresponding to them multinet works, these multi networks are fault tolerant networks, hence the study of these special type of multisubgraphs has become mandatory. Further in this book we introduce a new notion of super special subset vertex multigraphs which are built using the subset vertex multigraphs, especially when the subset vertex multigraph has no special subset vertex multi subgraphs. However, such super special subset vertex multigraphs associated with a multigraph are unique; so one cannot enjoy many options.

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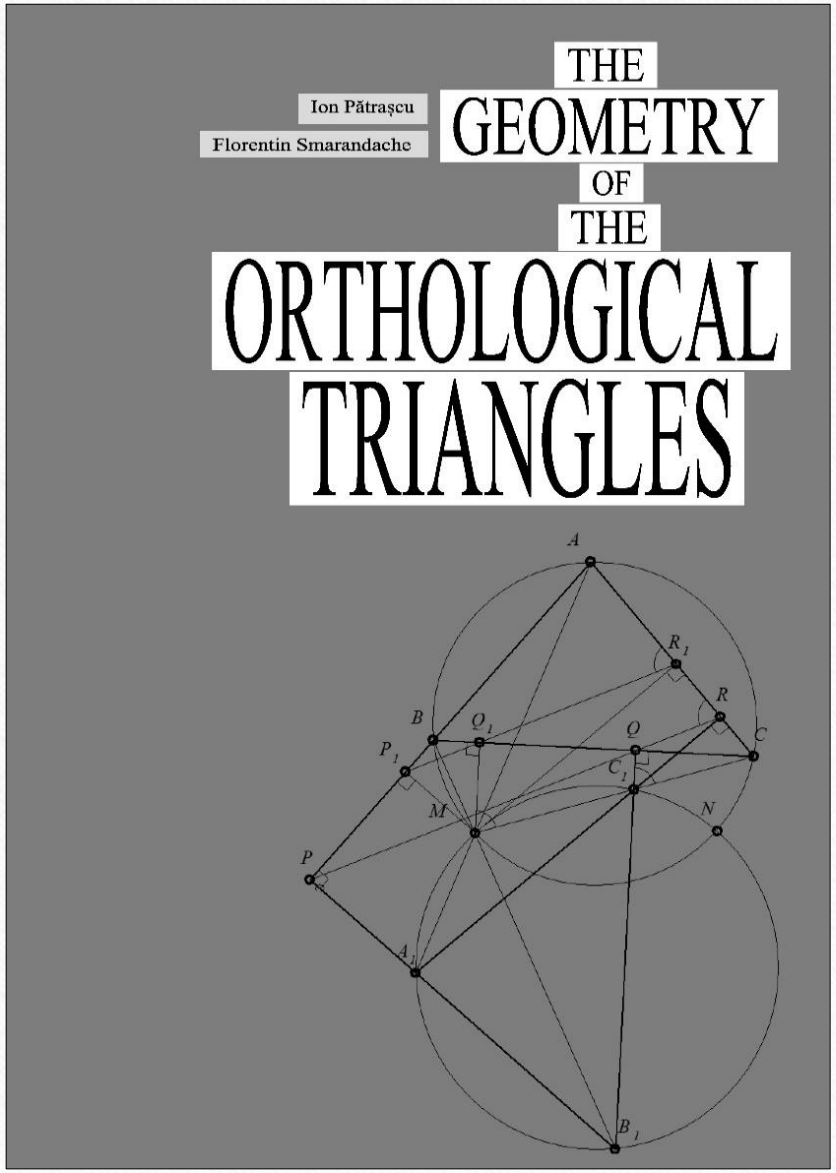
Ion Pătrașcu, Florentin Smarandache: **Geometria triunghiurilor ortologice**. Sibiu, Romania: Agora, 2020, 306 p.

Keywords: Geometry, Orthological Triangles, Tangential Triangle, Contact Triangle, Cotangent Triangle, Anti-Supplementary Triangle, Podal Triangle.

Ideea scrierii acestei cărți a venit odată cu cea a cărţii noastre anterioare, “Geometria triunghiurilor omologice” (2012). Ca şi acolo, am încercat să grefăm pe tema centrală, a triunghiurilor ortologice, cât mai multe rezultate din geometria elementară. În mod special a fost tratată legatura dintre triunghiurile ortologice şi cele omologice, s-au trecut în revistă triunghiurile "S", scoase în evidenţă pentru prima oară de marele matematician român Traian Lalescu. Cartea se adresează deopotrivă acelora care au studiat şi îndrăgesc geometria, cât şi celor care o descoperă acum, prin studiu şi antrenament, în vederea obţinerii de rezultate deosebite la concursurile şcolare. În acest sens, am căutat să demonstrăm unele proprietăţi şi teoreme în mai multe moduri: sintetic, vectorial, analitic.

The idea of this book came up when writing our previous book, “The Geometry of Homological Triangles” (2012). As there, we try to graft on the central theme, of the orthological triangles, many results from the elementary geometry. In particular, we approach the connection between the orthological and homological triangles; also, we review the "S" triangles, highlighted for the first time by the great Romanian mathematician Traian Lalescu. The book is addressed to both those who have studied and love geometry, as well as to those who discover it now, through study and training, in order to obtain special results in school competitions. In this regard, we have sought to prove some properties and theorems in several ways: synthetic, vectorial, analytical.

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http://fs.unm.edu/GeometriaTriunghiurilorOrtologice.pdf



Ion Pătrașcu, Florentin Smarandache: **The Geometry of The Orthological Triangles.** Brussels, Belgium: Pons, 2020, 310 p.

Keywords: Geometry, Orthological Triangles, Tangential Triangle, Contact Triangle, Cotangent Triangle, Anti-Supplementary Triangle, Podal Triangle, Three Images Triangle, Cyclocevian Triangle, Fuhrmann Triangle, Degenerate Triangles, Orthopole, Simson Line, Orthology Center, Reciprocal Polar Triangles, Bilogical Triangles, Orthohomological Triangles, Barycentric Coordinates, Similarity, Miquel's Point.

The idea of this book came up when writing our previous book, "The Geometry of Homological Triangles" (2012). As there, we try to graft on the central theme, of the orthological triangles, many results from the elementary geometry. In particular, we approach the connection between the orthological and homological triangles; also, we review the "S" triangles, highlighted for the first time by the great Romanian mathematician Traian Lalescu. The book is addressed to both those who have studied and love geometry, as well as to those who discover it now, through study and training, in order to obtain special results in school competitions. In this regard, we have sought to prove some properties and theorems in several ways: synthetic, vectorial, analytical.

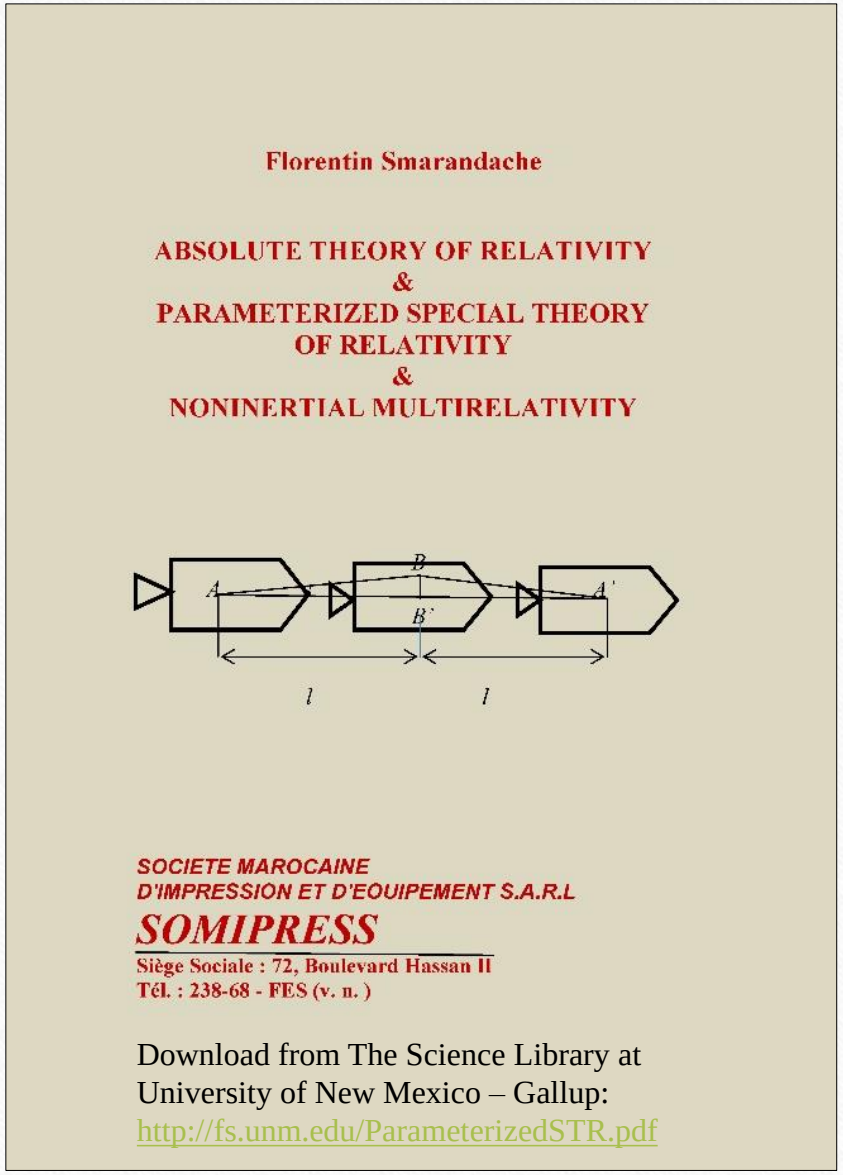
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Florentin Smarandache: **Absolute Theory of Relativity & Parameterized Theory of Relativity & Noninertial Multirelativity.** Fès, Morocco: Somipress, 1982, 94 p.

Keywords: Absolute Theory of Relativity, Parameterized Special Theory of Relativity, No speed barrier in the universe, Noninertial Multirelativity.

In this book we present the hypothesis that there is no speed barrier in the universe - thus refuting the speed of light postulate.

While Einstein considered a relative space and relative time but the ultimate speed of light, we do the opposite: we consider an absolute time and absolute space but no ultimate speed, and we call it the Absolute Theory of Relativity (ATR).

We then parameterize Einstein's thought experiment with atomic clocks, supposing that we know neither if the space and time are relative or absolute, nor if the speed of light is ultimate speed or not.

We obtain a Parameterized Special Theory of Relativity (PSTR). Our PSTR generalizes not only Einstein's Special Theory of Relativity, but also our ATR, and introduces three more possible Relativities to be studied in the future.
Afterwards, we extend our research considering not only constant velocities but constant accelerations too.

Eventually we propose a Noninertial Multirelativity for the same thought experiment, i.e. considering non-constant accelerations and arbitrary 3D-curves.

– Florentin Smarandache

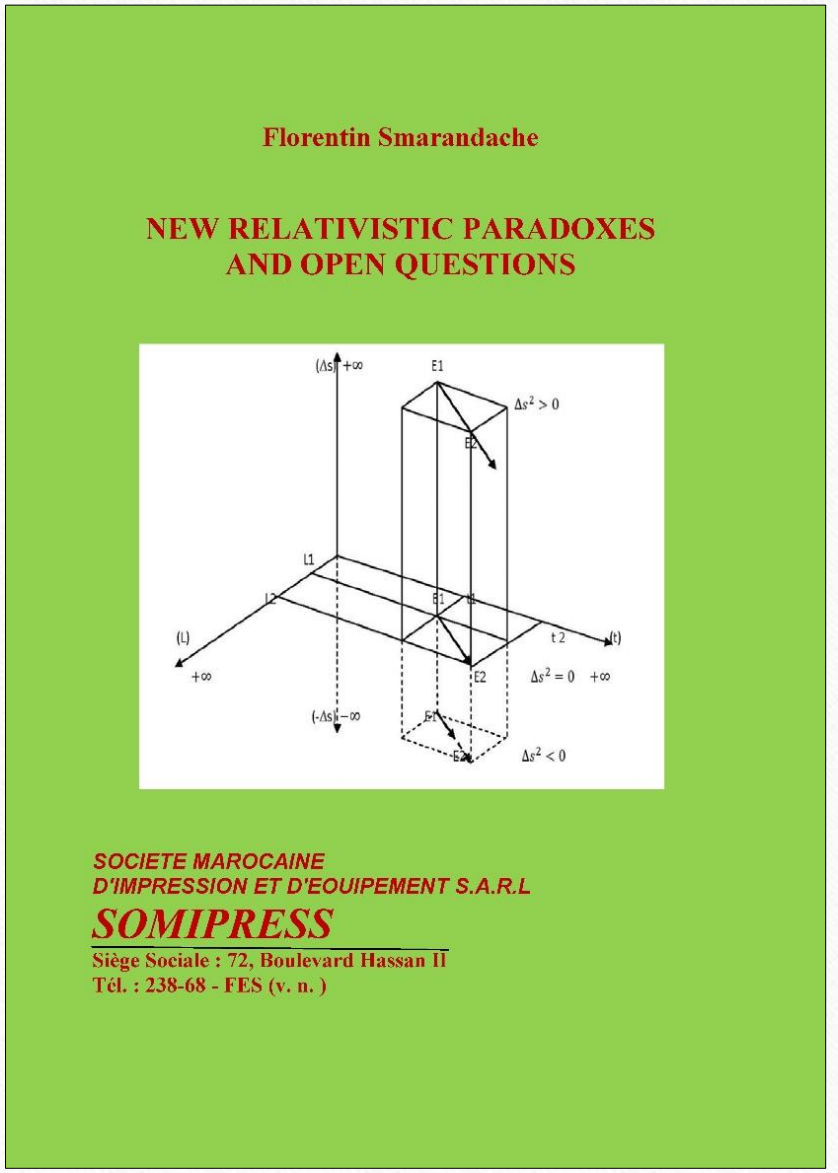
Florentin Smarandache: **New Relativistic Paradoxes and Open Questions.**
Fès, Morocco: Somipress, 1983, 128 p.

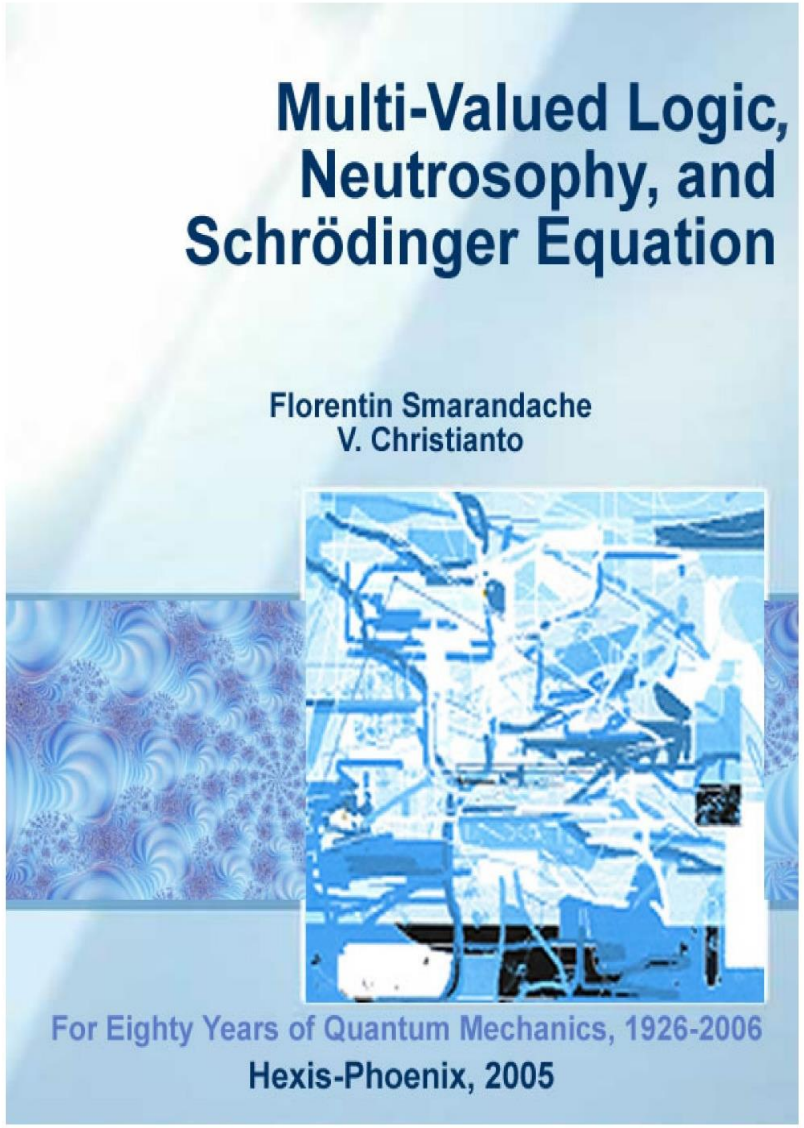
Keywords: General Theory of Relativity, Special Theory of Relativity, Doppler Effect, Gravitational Lensing, Medium Lensing, Lorentz Contraction Factor, Oblique-Contraction Factor.

Following the Special Theory of Relativity, Florentin Smarandache generalizes the Lorentz Contraction Factor to an Oblique-Contraction Factor, which gives the contraction factor of the lengths moving at an oblique angle with respect to the motion direction. He also proves that relativistic moving bodies are distorted, and he computes the Angle-Distortion Equations. He then shows several paradoxes, inconsistencies, contradictions, and anomalies in the Theory of Relativity. According to the author, not all physical laws are the same in all inertial reference frames, and he gives several counter-examples. He also supports superluminal speeds, and he considers that the speed of light in vacuum is variable.

The author explains that the redshift and blueshift are not entirely due to the Doppler Effect, but also to the medium composition. He considers that the space is not curved and the light near massive cosmic bodies bends not because of the gravity only as the General Theory of Relativity asserts (Gravitational Lensing), but because of the Medium Lensing. In order to make the distinction between "clock" and "time", he suggests a first experiment with a different clock type for the GPS clocks, for proving that the resulted dilation and contraction factors are different from those obtained with the cesium atomic clock; and a second experiment with different medium compositions for proving that different degrees of redshifts/blushifts would result.

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Florentin Smarandache, Vic Christianto: **Multi-Valued Logic, Neutrosophy, and Schrödinger Equation.** Phoenix, AZ, USA: Hexis, 2005, 108 p.

Keywords: Quantum Mechanics, Quantum Physics, Multi-Valued-logic, Neutrosophic Logic, Schrödinger Equation, Schrödinger's Cat Paradox, Paradoxes.

This book intends to discuss some paradoxes in Quantum Mechanics from the viewpoint of Multi-Valued-logic pioneered by Lukasiewicz, and a recent concept Neutrosophic Logic. Essentially, this new concept offers new insights on the idea of 'identity', which too often it has been accepted as given.

The book is motivated by observation that despite almost eight decades, there is indication that some of those paradoxes known in Quantum Physics are not yet solved. In our knowledge, this is because the solution of those paradoxes requires re-examination of the foundations of logic itself, in par-ticular on the notion of identity and multi-valuedness of entity.

The book is also intended for young physicist fellows who think that somewhere there should be a 'complete' explanation of these paradoxes in Quantum Mechanics. If this book doesn't answer all of their questions, it is our hope that at least it offers a new alternative viewpoint for these old questions.

– Florentin Smarandache, Vic Christianto

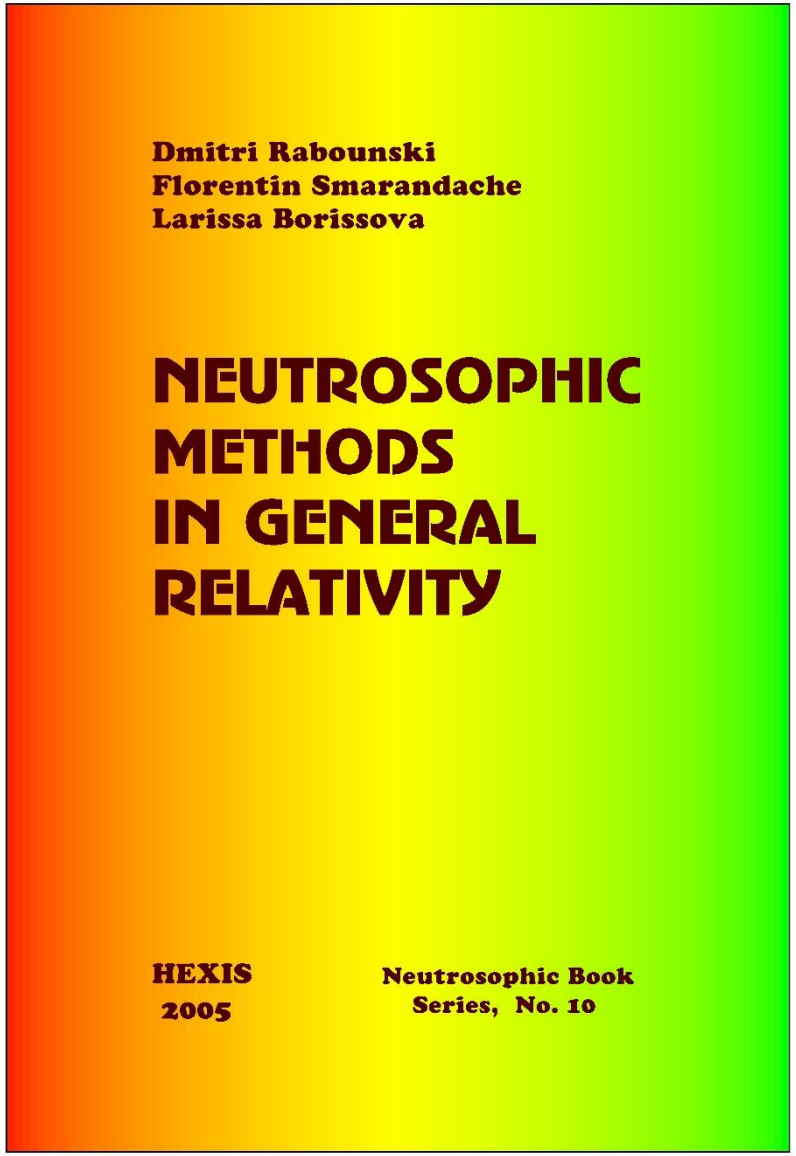
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Dmitri Rabounski, Florentin Smarandache, Larissa Borisova: **Neutrosophic Methods in General Relativity.** Phoenix, AZ, USA: Hexis, 2005, 80 p.

Keywords: Space-time theory, Massless photons, Photon teleportation, Tachyons, Smarandache geometries, S-denying an axiom, Quantum Electrodynamics.

Neutrosophy is a theory developed by Florentin Smarandache as a generalization of dialectics, which studies the origin, nature and properties of neutralities. This book applies neutrosophic method to the General Theory of Relativity. Neutrosophic method applied to Einstein's basic space-time predicts the existence of new trajectories and particles never considered before. These trajectories and associated particles are of two "mixed" kinds, which are (1) common for sub-light mass-bearing particles and massless photons (non-isotropic/isotropic trajectories) and (2) common for massless photons and super-light mass-bearing tachyons (isotropic/non-isotropic trajectories). In is shown herein that massbearing/light-like particles are, theoretically, accessible to observation, manifest in various phenomena in Nature. The fundamental feature of Smarandache geometries is the notion of S-denying an axiom, i. e. within a given space an axiom is false in at least two different ways, or is both true and false. In S-denying each of the four signature conditions of Einstein's basic space-time, four kinds of expanded space-time result for the General Theory of Relativity. The 4th type of expanded space-time permits photon teleportation, a phenomenon which has been well established in recent experiments, but which has had no explanation in basic space-time. In addition, expanded space-time of the 4th kind permits virtual photons – particles predicted by Quantum Electrodynamics as instantaneous mediators between entangled regular particles.

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Dmitri Rabounski, Florentin Smarandache, Larissa Borisova: **НЕЙТРОСОФСКИЕ МЕТОДЫ В ОБЩЕЙ ТЕОРИИ ОТНОСИТЕЛЬНОСТИ.** *Neutrosophic Methods in General Relativity, Russian edition.* Phoenix, AZ, USA: Hexis, 2005, 106 p.

Keywords: Space-time theory, Massless photons, Photon teleportation, Tachyons, Smarandache geometries, S-denying an axiom, Quantum Electrodynamics.

В этой книге нейтрософские методы, примененные для исследования пространства-времени Эйнштейна, предсказывают новые типы траекторий и частиц “смешанного” типа, неизвестные ранее: обладающих одновременно свойствами досветовых массовых частиц и безмассовых светоподобных частиц-фотонов (неизотропно-изотропные траектории); обладающих свойствами безмассовых частиц-фотонов и свехсветовых массовых частиц-тахионов (изотропнонеизотропные траектории). Показано, что такие частицы могут наблюдаться в некоторых явлениях природы. В математике известны Смарандаке-геометрии, их главным свойством является S-отрицание одной или нескольких аксиом (аксиома отрицается как минимум двумя способами или, альтернативно, является истинной и ложной одновременно). Применяя S-отрицание к четырем сигнатурным условиям пространства-времени Эйнштейна, мы получаем четыре типа новых базовых пространств для Общей Теории Относительности. В пространстве 4-го типа возможна телепортация обычных фотонов, а также существование виртуальных фотонов — частиц, предсказанных квантовой электродинамикой как посредников, мгновенно переносящих взаимодействие между обычными частицами.

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Homer B. Tilton, Florentin Smarandache (ed.): **Today's Take on Einstein's Relativity.** *Proceedings of The Conference at Pima Community College - East Campus, February 18, 2005*. Tucson, AZ, USA: Pima College Press, 2005, 108 p.

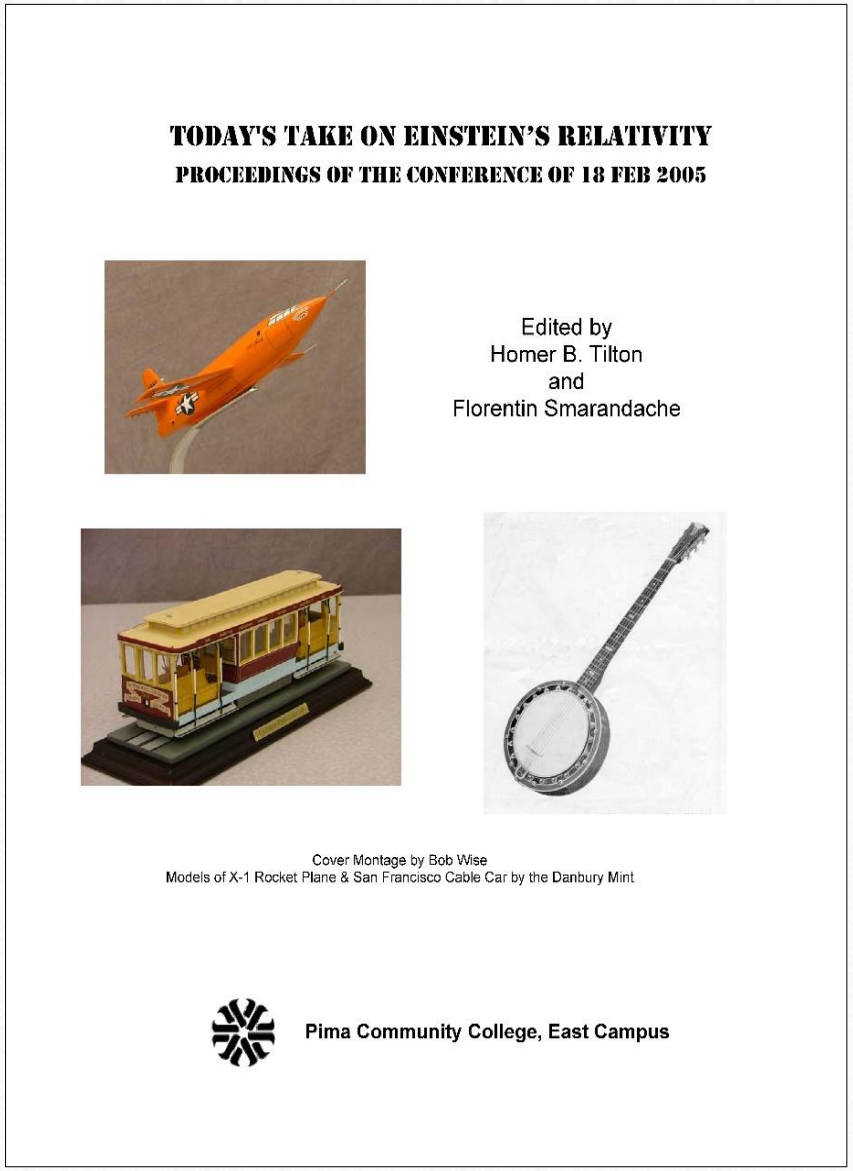
Keywords: Physics, Relativity, Light Speed, Speed Barrier, Starflight.

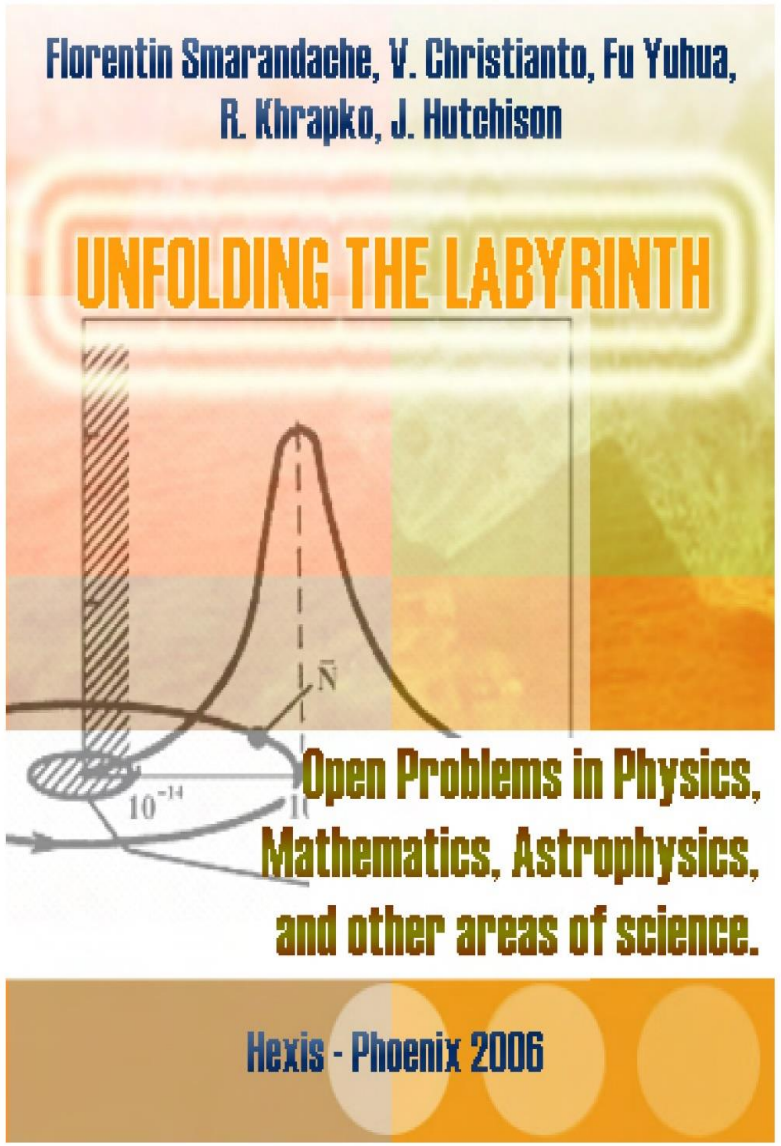
On February 18, 2005 a one-day conference was held at Pima Community College in Tucson, Arizona at which six papers were presented. Things were kicked off with a warm welcome from the PCC-EC president, Dr. Raul Ramirez. There were 14 in attendance including Dr. Ramirez, with papers being presented by 12 of those plus one paper in absentia.

Disciplines represented astronomy, computer science, engineering physics and mathematics.

Papers came from Russia (paper presented in absentia), the University of New Mexico at Gallup, and Pima Community College, by researchers Jim Malmberg, David Iadevaia, Larissa B. Borrisova, Dmitri D. Rabounski, Florentin Smarandache, Greg Holmberg, Homer B. Tilton.

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F. Smarandache, V. Christianto, Fu Yuhua, R. Khrapko, J, Hutchison: **Unfolding the Labyrinth: Open Problems in Physics, Mathematics, Astrophysics and other areas of Science.** Phoenix, AZ, USA: Hexis, 2005, 80 p.

Keywords: Space-time theory, Massless photons, Photon teleportation, Tachyons, Smarandache geometries, S-denying an axiom, Quantum Electrodynamics.

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.

– F. Smarandache, V. Christianto

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Florentin Smarandache, Victor Christianto (ed.): **Hadron models and related New Energy issues.** Ann Arbor, MI, USA: InfoLearnQuest, 2007, 454 p.

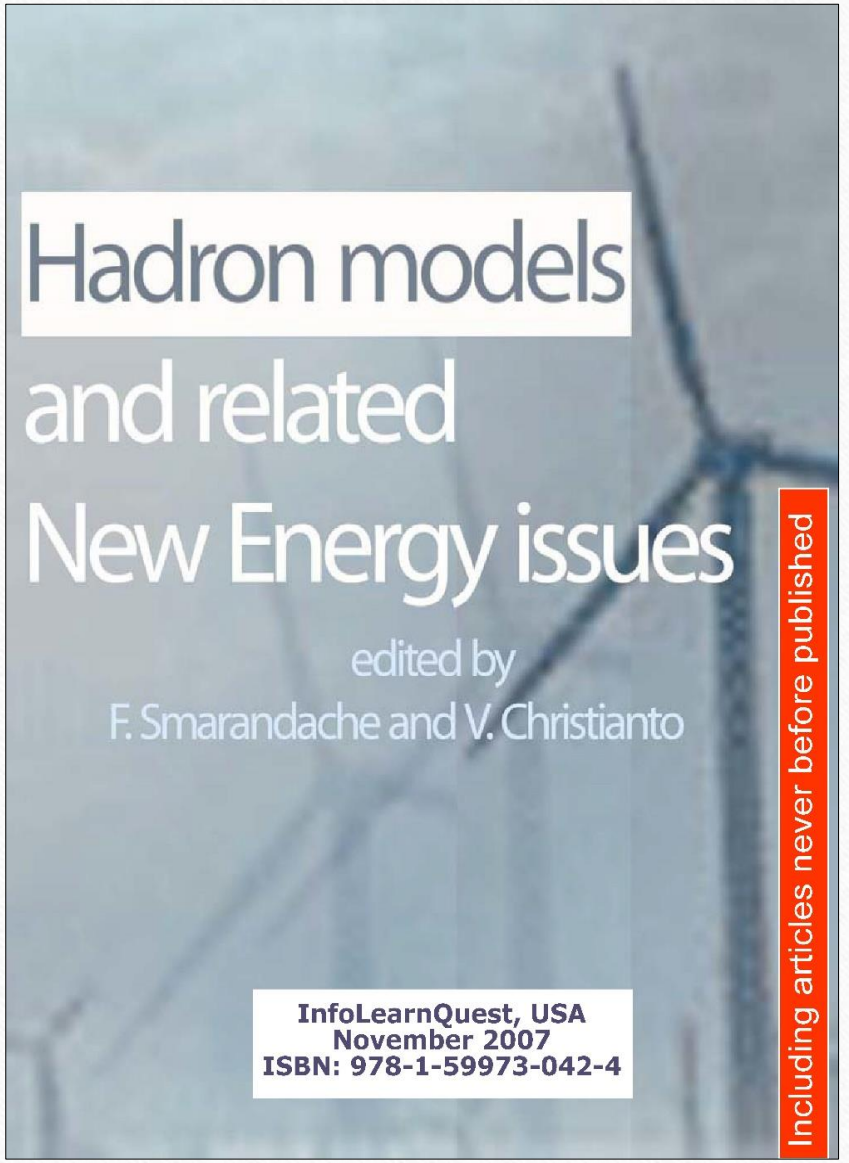
Keywords: Coldfusion, Ginzburg-Landau equation, Schrödinger equation, Topological Geometrodynamics, Quaternion Space Geometry, Particles.

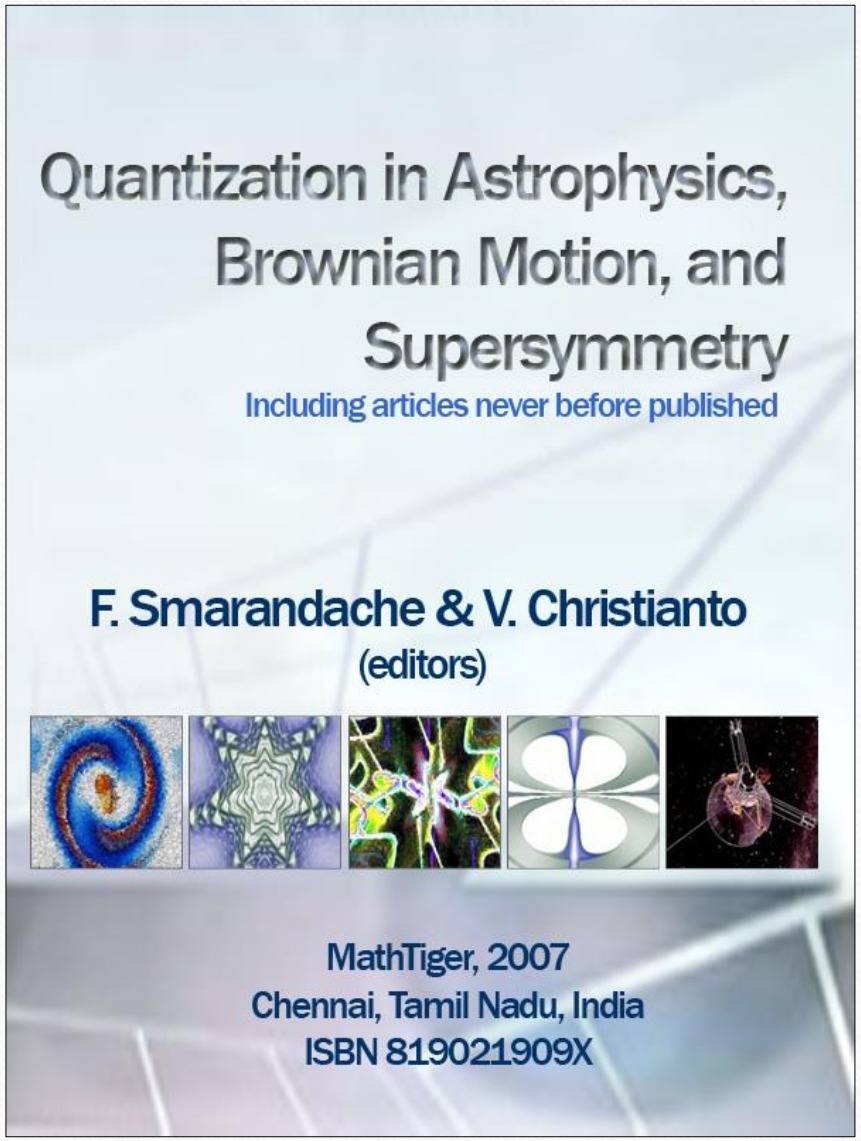
The present book covers a wide-range of issues from alternative hadron models to their likely implications in New Energy research, including alternative interpretation of low-energy reaction (coldfusion) phenomena. The authors explored some new approaches to describe novel phenomena in particle physics.

M Pitkanen introduces his nuclear string hypothesis derived from his Topological Geometrodynamics theory, while E. Goldfain discusses a number of nonlinear dynamics methods, including bifurcation, pattern formation (complex Ginzburg-Landau equation) to describe elementary particle masses. Fu Yuhua discusses a plausible method for prediction of phenomena related to New Energy development. F. Smarandache discusses his unmatter hypothesis, and A. Yefremov et al. discuss Yang-Mills field from Quaternion Space Geometry. Diego Rapoport discusses theoretical link between Torsion fields and Hadronic Mechanic.

The present volume will be suitable for researchers interested in New Energy issues, in particular their link with alternative hadron models and interpretation.1

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Florentin Smarandache, Victor Christianto (ed.): **Quantization in Astrophysics, Brownian Motion, and Supersymmetry.** Chennai, Tamil Nadu, India: MathTiger, 2007, 504 p.

Keywords: Planck constant, Pioneer anomaly, Flyby anomalies, Tifft's redshift quantization, Astrophysics, Cosmology.

The present book discusses, among other things, various quantization phenomena found in Astrophysics and some related issues including Brownian Motion. With recent discoveries of exoplanets in our galaxy and beyond, this Astrophysics quantization issue has attracted numerous discussions in the past few years.

Most chapters in this book come from published papers in various peer-reviewed journals, and they cover different methods to describe quantization, including Weyl geometry, Supersymmetry, generalized Schrödinger, and Cartan torsion method. In some chapters Navier-Stokes equations are also discussed, because it is likely that this theory will remain relevant in Astrophysics and Cosmology.

While much of the arguments presented in this book are theoretical, nonetheless we recommend further observation in order to verify or refute the propositions described herein. It is of our hope that this volume could open a new chapter in our knowledge on the formation and structure of Astrophysical systems.

– Florentin Smarandache, Victor Christianto

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http://fs.unm.edu/Quantization.pdf

Florentin Smarandache, Victor Christianto: **Neutrosophic Logic, Wave Mechanics, and Other Stories.** *Selected Works 2005-2008*. Bucharest, Romania: Kogaïon Éditions, 2009, 130 p.

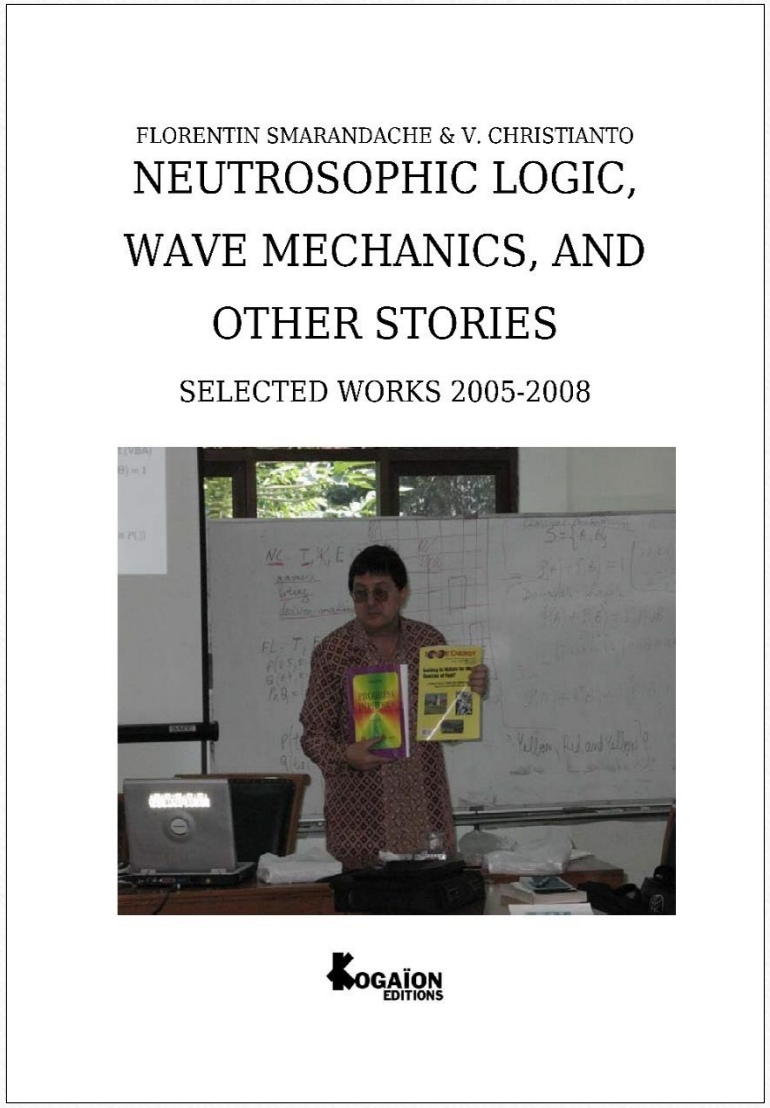
Keywords: Entanglement, Neutrosophic Logic, Unmatter, Elementary Particles, Gravitation, Quantization, Astrophysics, Quaternion space.

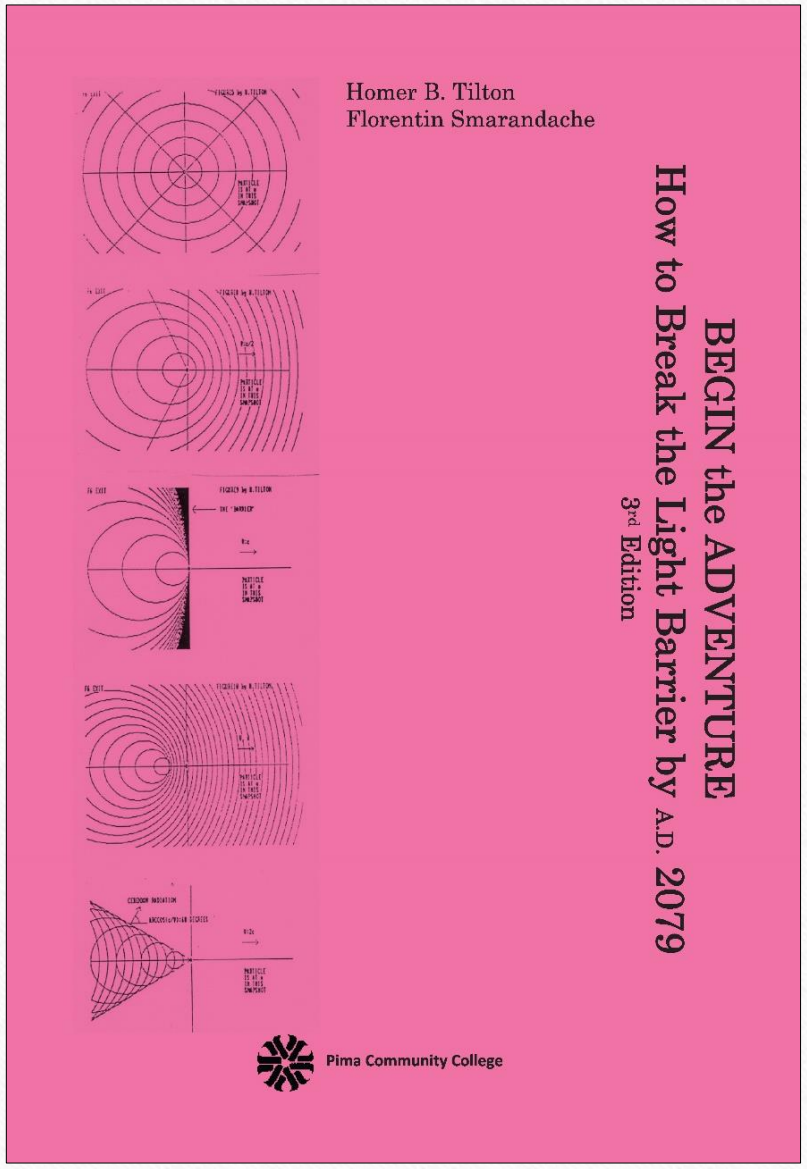
There is beginning for anything; we used to hear that phrase. The same wisdom word applies to us too. What began in 2005 as a short email on some ideas related to interpretation of the Wave Mechanics results in a number of papers and books up to now. Some of these papers can be found in Progress in Physics or elsewhere. Our purpose here is to present a selection of those papers in a compilation which enable the readers to find some coherent ideas which appeared in those articles.

For this reason, the ordering of the papers here is based on categories of ideas. While some of these articles have been published in book format elsewhere, we hope that reading this book will give the readers impression of progression of our thoughts. We wish to extend our sincere gratitude to plenty of colleagues, friends and relatives all around the world for sharing their ideas, insightful discussions etc.

– Florentin Smarandache, Victor Christianto

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http://fs.unm.edu/WaveMechanics.pdf





Homer B. Tilton, Florentin Smarandache (ed.): **Begin The Adventure: How to Break the Light Barrier by A.D. 2079.** *3rd Edition.* Tucson, AZ, USA: Pima College Press, 2010, 133 p.

Keywords: Physics, Relativity, Superluminal Speed, Starflight, Light Barrier, Cerenkov electrons, Centaurians, Time machine.

This book is not an attempt to repudiate relativity, on the contrary it attempts to clarify it. The book outlines an experimental design to test that clarification. It suggests that perhaps the only thing wrong with relativity is its usual interpretation.
The Grand Experiment, in its two phases, is not a thought experiment; instead, it is an outline for a proposed real experiment to be performed in two phases. No conclusion concerning relativity is drawn from it.

Ch. 7 (Phase 1), Ch.8 (Phase 2) and Ch. 9 are strictly fiction. From Ch. 7: "In any case there'll be no attempt to exceed lightspeed this time out. The prevailing view remains that it cannot be done, and until convincing evidence to the contrary is found, it is probable that no attempt will be made to do it." Chapters 8 & 9, still fiction, rest on a change in that mindset.

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http://fs.unm.edu/BeginAdventure3.pdf

Florentin Smarandache (ed.): **Neutrosophic Physics: More Problems, More Solutions.** *Collection of papers.* Hanko, Finland: North-European Scientific Publishers, 2010, 96 p.

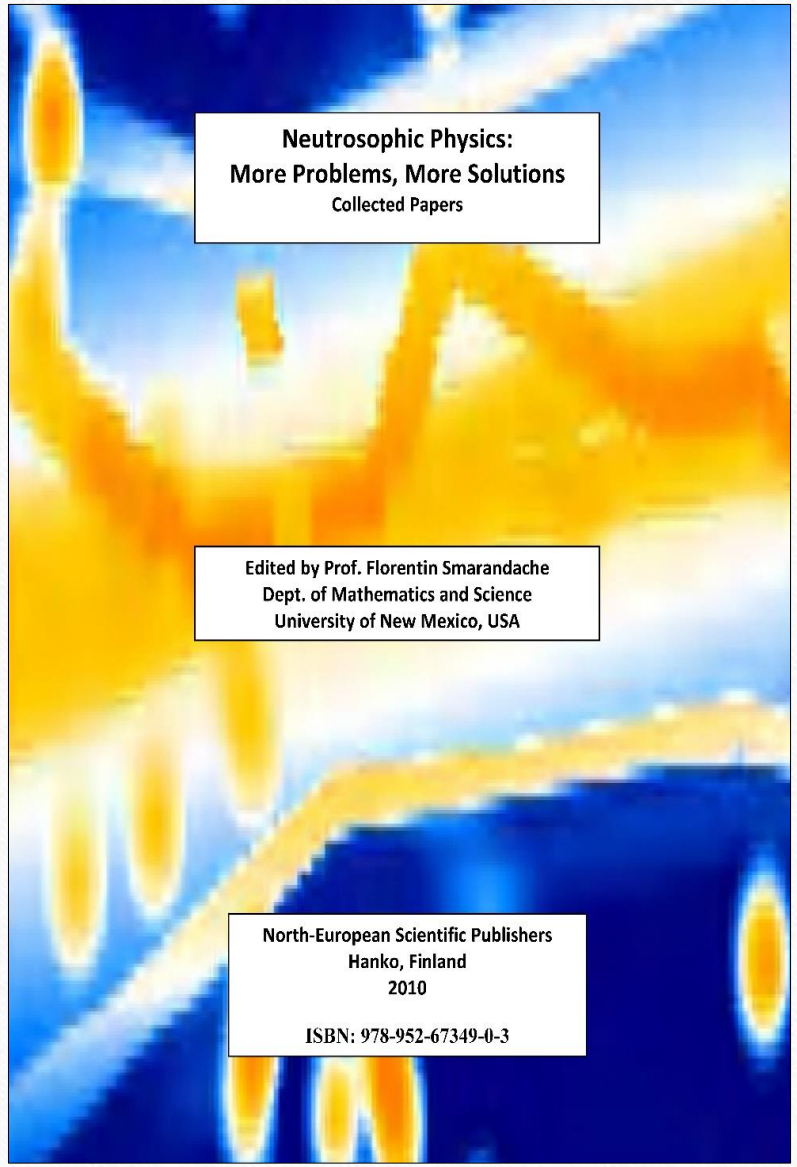
Keywords: Neutrosophy, General Relativity, Gravitation, Cosmology, Quantum Physics.

Research papers presented in this collection manifest only a few of many possible applications of neutrosophic logics to theoretical physics. Most of these applications target the theory of relativity and quantum physics, but other sections of physics are also possible to be considered. One may say that these are no many.

However this is only the first small step along the long path. We just opened the gate at. I believe that, after years, neutrosophic logics will yield a new section of physics – neutrosophic physics – whose motto will be "more problems, more solutions".

– Dmitri Rabounski

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http://fs.unm.edu/NeutrosophicPhysics.pdf





Florentin Smarandache (ed.): **Introduction to Neutrosophic Physics: Unmatter & Unparticle.** *Proceedings of the Introduction to Neutrosophic Physics: Unmatter & Unparticle International Conference.* Columbus, OH, USA: Zip Publishing, 2011, 94 p.

Keywords: Neutrosophic Cosmology, Particles, Anti-Particles, Unmatter, Photon-Neutrino Symmetry, Kaon Oscillations, Quantum Chromodynamics.

Introduction to Neutrosophic Physics: Unmatter & Unparticle International Conference, American Mathematical Society, University of New Mexico, Mathematics & Sciences Department, Gallup, New Mexico, USA, December 2-4, 2011

The book includes papers by Larissa Borissova, Dmitri Rabounski, Indranu Suhendro, Florentin Smarandache, Thomas R. Love, and Ervin Goldfain. And Comments on Neutrosophic Physics by Dmitri Rabounski, Thomas R. Love, Ervin Goldfain, Diego Lucio Rapoport (Argentina), Armando Assis (Brasil), and Russell Bagdoo (Canada).

Neutrosophic Physics is a mixture of two or three of these entities <A>, <antiA>, and <neutA> that hold together. Therefore, we can have neutrosophic fields, and neutrosophic objects, neutrosophic states, etc. Neutrosophic Physics is an extension of Paradoxist Physics, which describes collections of objects or states that are individually characterized by contradictory properties, or are characterized neither by a property nor by the opposite of that property, or are composed of contradictory sub-elements. Such objects or states are called paradoxist entities.

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http://fs.unm.edu/ProcNeutrosophicPhysics.pdf

Florentin Smarandache, Victor Christianto, Pavel Pintr (ed.): **Quantization and Discretization at Large Scales.** Columbus, OH, USA: Zip Publishing, 2012, 224 p.

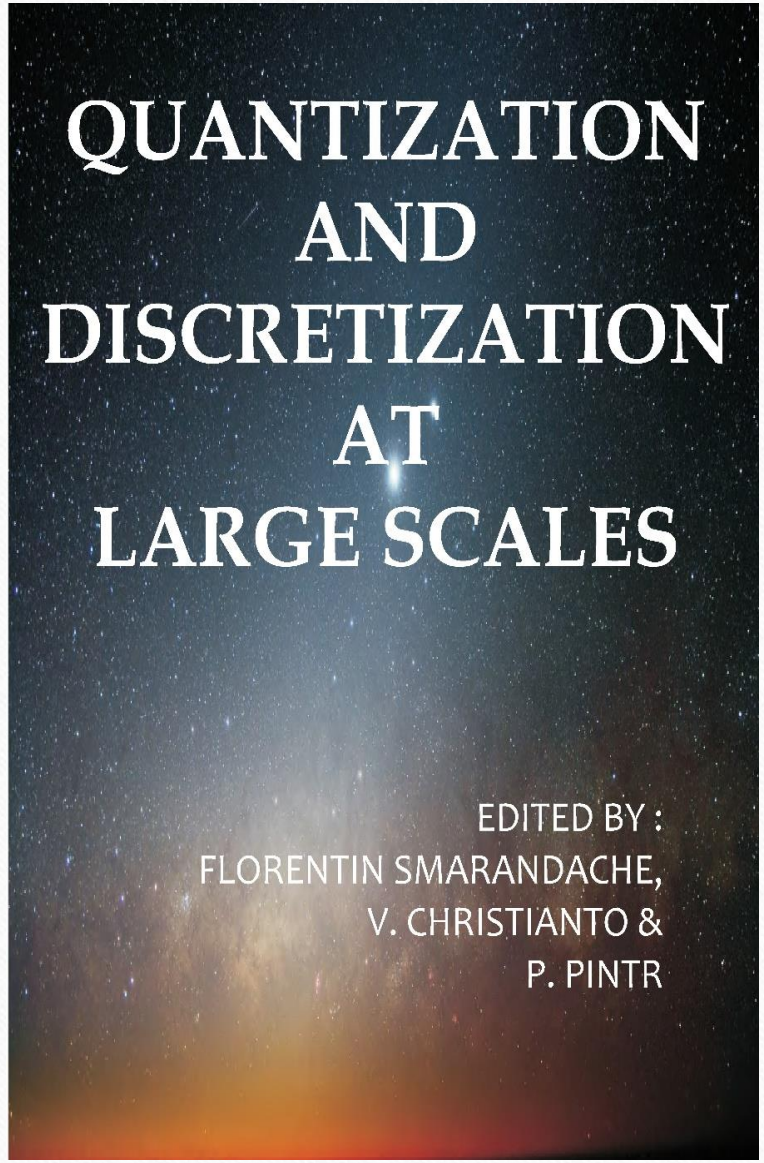
Keywords: Quantization of orbits, Solar planets, Satellites of planets, Extrasolar Planetary Systems, Faster-than-light.

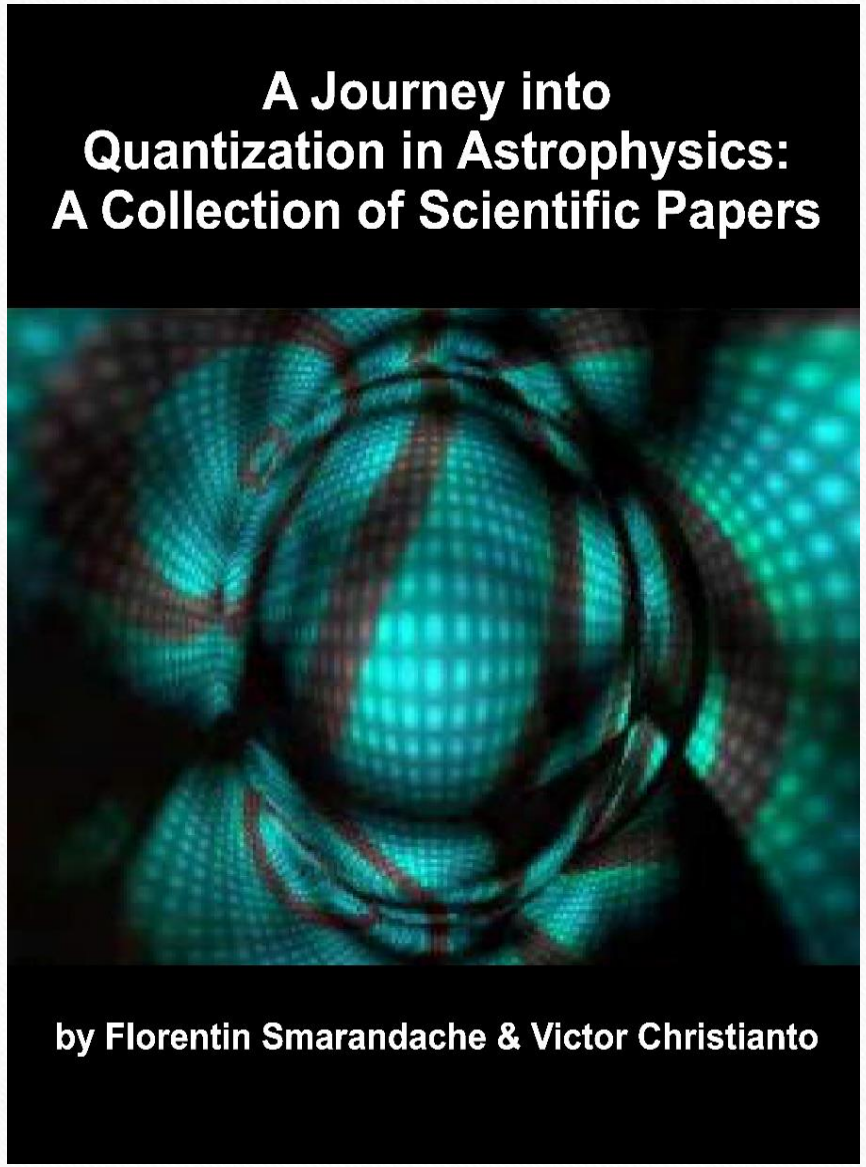
This book is published after our previous book: *Quantization in astrophyisics, Brownian motion, and Supersymmetry* which was released about five years ago. Perhaps the ideas presented herein will have impact on discussions concerning quantum cosmology, which so far it cannot be observed. On the contrary, quantization at large scales can be observed. We hope that this volume will add a new chapter in our understanding of the Universe, from the viewpoint of quantization and discretization at large scales.

– Florentin Smarandache, Victor Christianto

The ongoing search of extrasolar planets is one of the most attractive fields of research in astrophysics and astronomy. Up to now, 360 extrasolar planets have been discovered near stars with similar mass as the Sun. There is also discovery related to the so-called Earth-like planets. With regards to these discoveries, one intriguing question is whether there is relationship between orbit distance of the planets and their stars. Various formulas have been suggested since 1990s, and they suggest that there may be reason to accept quantization of distances of those planets both in our solar system and also in extrasolar systems as well. This book discusses this issue, along with other interesting issues such as protoplanetary formation of solar system, precession in solar system and other topics.

Download from The Science Library at University of New Mexico – Gallup:
http://fs.unm.edu/QuantizationDiscretization.pdf





Florentin Smarandache, Victor Christianto: **A Journey into Quantization in Astrophysics.** *A collection of scientific papers.* Gallup, NM, USA: Multimedia Larga, 2013, 180 p.

Keywords: Gravity, Schrödinger equation, Ginzburg-Landau equation, Quaternion Relativity, Quantization of Celestial Systems, Boson, Fermion, Ehrenfest Paradox, Finsler-Berwald metric.

This book consists of 17 select scientific papers from ten years of work around 2003-2013. The topic covered here is quantization in Astrophysics.

We also discuss other topics for instance Pioneer spacecraft anomaly.

We discuss a number of sub-topics, for instance the use of Schrödinger equation to describe celestial quantization. Our basic proposition here is that the quantization of planetary systems corresponds to quantization of circulation as observed in superfluidity.

And then we extend it further to the use of (complex) Ginzburg-Landau equation to describe possible nonlinearity of planetary quantization.

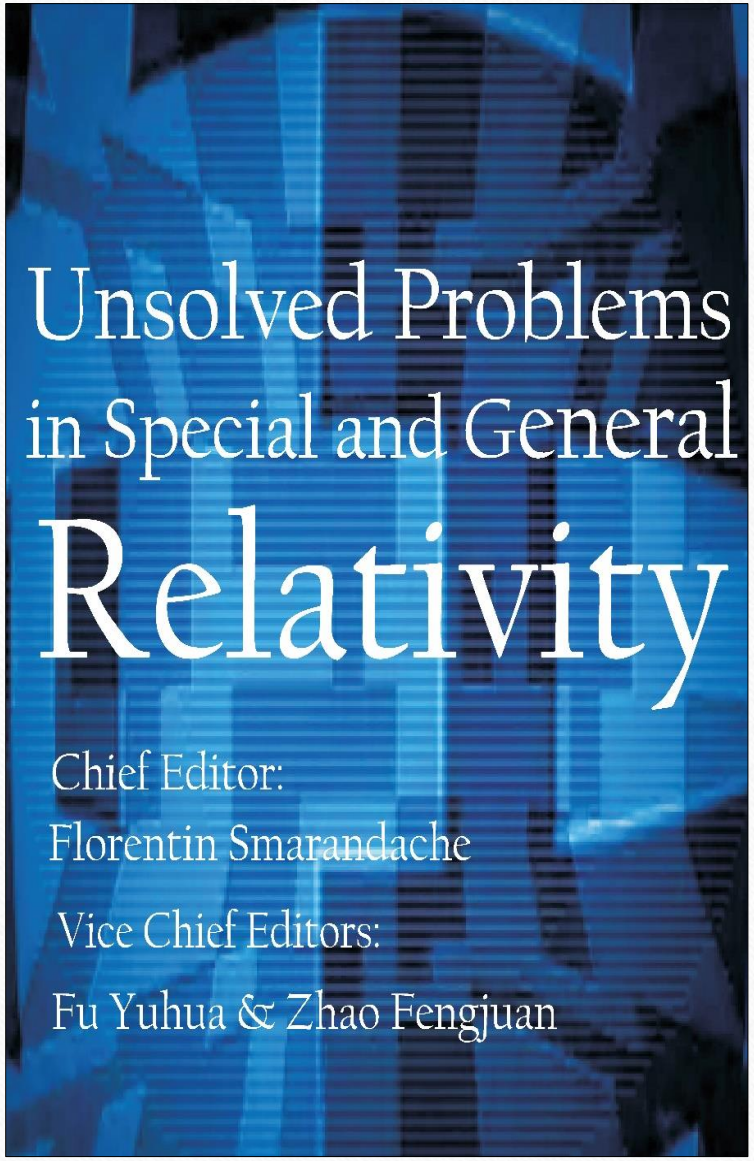
– Florentin Smarandache, Victor Christianto

The book is suitable for young astronomers and astrophysicists as well as for professional astronomers who wish to update their knowledge in the vast topic of quantization in astrophysics.

Download from The Science Library at University of New Mexico – Gallup:
http://fs.unm.edu/JourneyIntoQuantization.pdf

Florentin Smarandache, Fu Yuhua, Zhao Fengjuan (ed.): **Unsolved Problems in Special and General Relativity.** Beijing, PR China: Educational Publishing & Journal of Matter Regularity, 2013, 311 p.

Keywords: Einstein's Field Equations, White Holes, Black Holes, Multirelativity, Nonconstant Acceleration, 3D-Curves, Unified Unitary Quantum Theory.



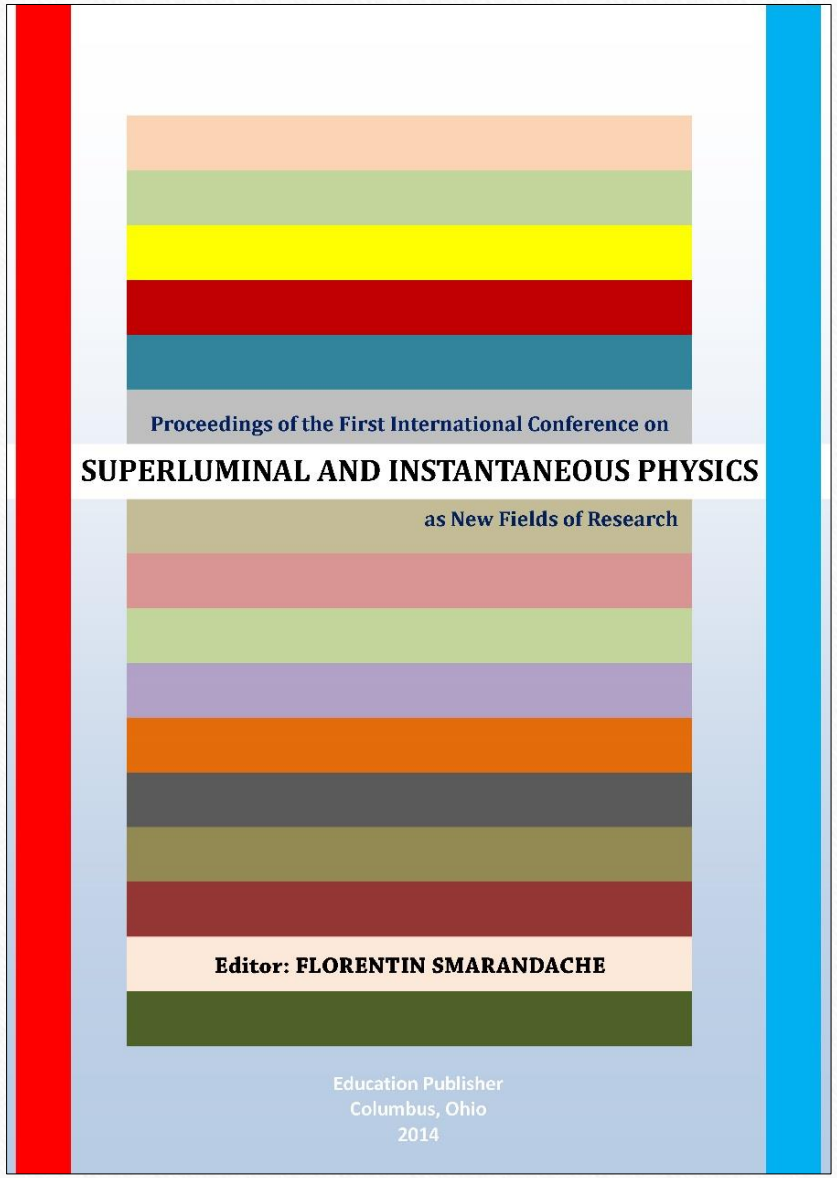
This book includes 21 papers written by 23 authors and co-authors. All papers included herein are produced by scholars from People's Republic of China, except two papers written by Prof. L. Sapogin, V.A. Dzhanibekov, Yu. A. Ryabov from Russia, and by Prof. Florentin Smarandache from USA.

The editors hope that the papers included here will contribute to advance scholarly research on some aspects of Special and General Relativity.

This book is suitable for students and scholars interested in studies on physics.

Contributors:
Hua Di, Li Zifeng, Li Wen-Xiu, Shi Yong-Cheng, Xu Jianmin, Dong Jingfeng, Duan Zhongxiao, Fu Yuhua, Guo Kaizhe, Guo Chongwu, Guo Ying-Huan, Guo Zhen-Hua, Hu Chang-Wei, Jiang Chun-Xuan, Liu Taixiang, Tu Runsheng, Wu Fengming, Yang Shijia, Cao Shenglin, Leo G. Sapogin, V.A. Dzhanibekov, Yu. A. Ryabov, Florentin Smarandache.

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http://fs.unm.edu/UnsolvedProblemsRelativity.pdf



Florentin Smarandache (ed.): **Superluminal Physics & Instantaneous Physics as New Fields of Research.** *Proceedings of the First International Conference on Superluminal Physics & Instantaneous Physics.* Beijing, PR China: Columbus, OH, USA: Education Publisher, 2014, 84 p.

Keywords: Special Relativity, Faster-than-light (FTL), Hubble's Law, Lorentz Local Time, Michelson's Experiment, Space-Time Theory, Velocity of Light.

The First International Conference on Superluminal Physics as New Fields of Research was hold at the University of New Mexico, Gallup Campus, NM 87301, USA, as an electronic conference on 2-4 July 2012.

> In a similar way as passing from Euclidean Geometry to Non-Euclidean Geometry, we can pass from Subluminal Physics to Superluminal Physics, and further to Instantaneous Physics (instantaneous traveling). In the lights of two consecutive successful CERN experiments with superluminal particles in the Fall of 2011, we believe these two new fields of research should begin developing. A physical law has a form in Newtonian physics, another form in the Relativity Theory, and different form at Superluminal theory, or at Instantaneous (infinite) speeds – according to the S-Denying Theory spectrum. First, we extend physical laws and formulas to superluminal traveling and to instantaneous traveling. Afterwards, we should extend existing classical physical theories from subluminal to superluminal and instantaneous traveling. And lately we need to find a general theory that unites all theories at: law speeds, relativistic speeds, superluminal speeds, and instantaneous speeds – as in the S-Multispace Theory.
>
> – Florentin Smarandache

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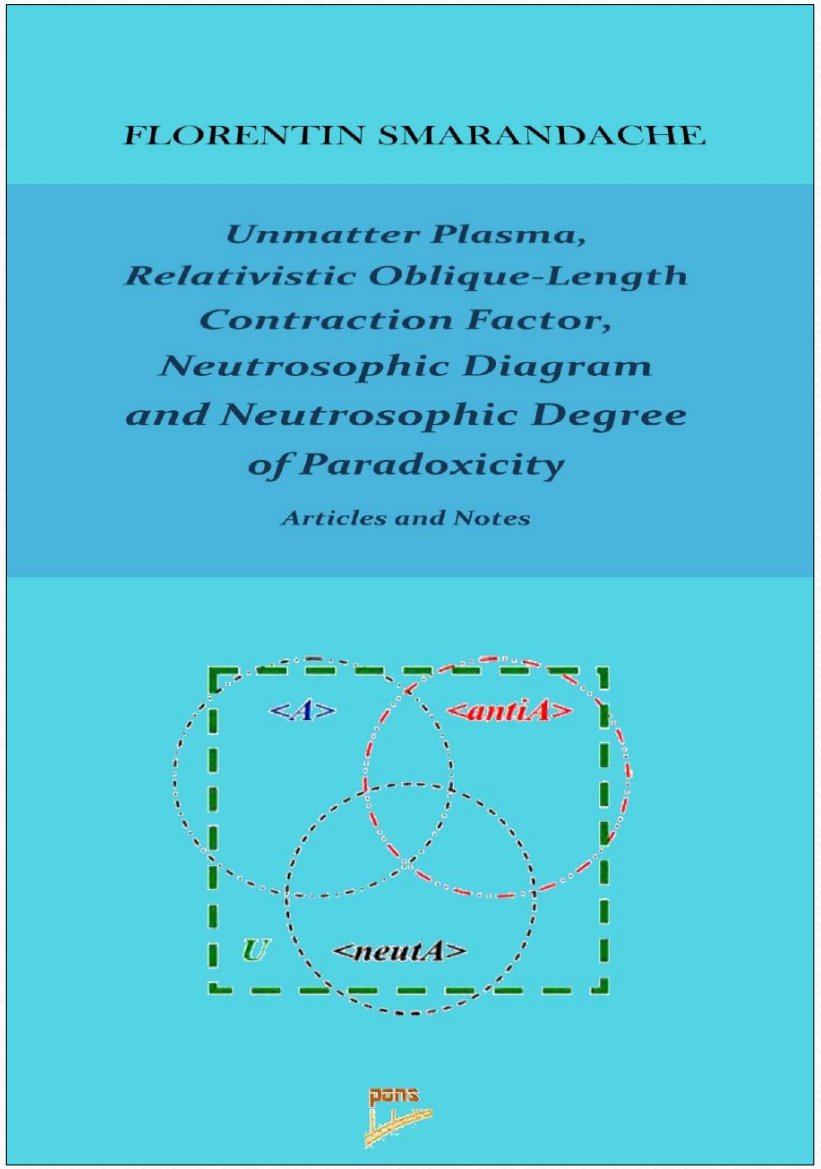
Florentin Smarandache: **Unmatter Plasma, Relativistic Oblique-Length Contraction Factor, Neutrosophic Diagram and Neutrosophic Degree of Paradoxicity.** *Articles and Notes.* Brussels, Belgium: Pons Publishing, 2015, 130 p.

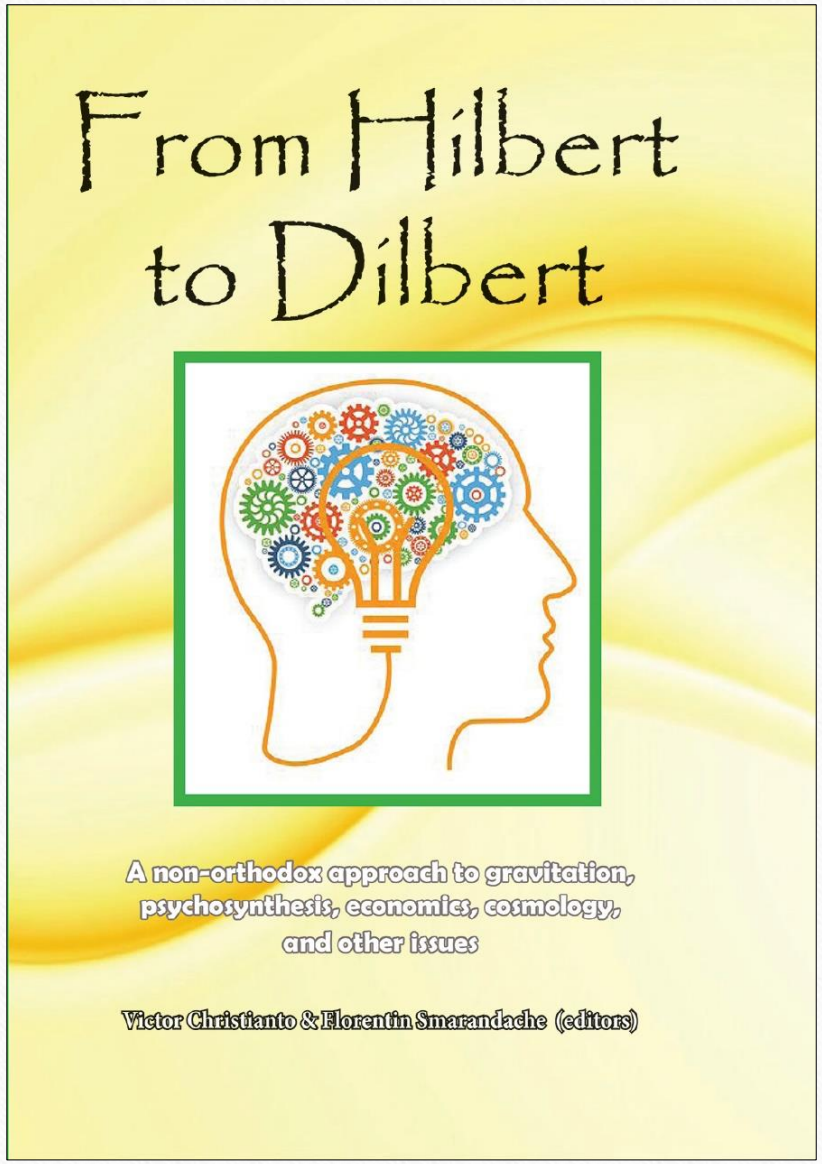
Keywords: Unmatter, Lorentz Contraction Factor, Oblique-Length Contraction Factor, Neutrosophic Diagram, Special Theory of Relativity.

This book is a collection of articles, notes, reviews, blogs and abstracts on Physics. We approach a novel form of plasma, Unmatter Plasma. The electron-positron beam plasma was generated in the laboratory in the beginning of 2015. This experimental fact shows that unmatter, a new form of matter that is formed by matter and antimatter bind together (mathematically predicted a decade ago) really exists. Further, we generalize the Lorentz Contraction Factor for the case when the lengths are moving at an oblique angle with respect to the motion direction, and show that the angles of the moving relativistic objects are distorted. Then, using the Oblique-Length Contraction Factor, we show several trigonometric relations between distorted and original angles of moving object lengths in the Special Theory of Relativity. We generalize the Venn diagram to a Neutrosophic Diagram, which deals with vague, inexact, ambiguous, ill-defined ideas, statements, notions, entities with unclear borders. We define the neutrosophic truth table, then we introduce two neutrosophic operators (neuterization and antonymization operators), and give many classes of neutrosophic paradoxes.

– Florentin Smarandache

Other topics addressed in this book are: neutrosophic physics as a new field of research, neutrosophic numbers in physics, neutrosophic degree of paradoxicity, unparticle and unmatter, multispace and multistructure, nucleon clusters, and others.





Victor Christianto, Florentin Smarandache (ed.): **From Hilbert to Dilbert.** *A non-orthodox approach to gravitation, psychosynthesis, economics, cosmology, and other issues.* Malang, Indonesia: Divine Publishing, 2018, 206 p.

Keywords: Gravitation, Electromagnetism, Geodynamics, Astrophysics, Macroquantization, Celestial motion, String theory, Neutrosophic psychology, Origin of the Universe.

In this book, the contributors argue on actual reasons why Hilbert's axiomatic program to unify gravitation theory and electromagnetism failed completely. An outline of plausible resolution of this problem is given here, based on: a) Gödel's incompleteness theorem, b) Newton's aether stream model. Also, a calculation of receding Moon from Earth based on such a matter creation hypothesis is given. More experiments and observations are called to verify this new hypothesis, albeit it is inspired from Newton's theory himself.

Contributors:
Victor Christianto, from Malang Institute of Agriculture (IPM), Indonesia; Florentin Smarandache, from University of New Mexico, Gallup, USA; Robert N. Boyd, Consulting physicist for Princeton Biotechnology Corporation; Yunita Umniyati, from Swiss-German University, Tangerang, Indonesia; and Daniel Chandra, from University of Malang, Indonesia.

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http://fs.unm.edu/FromHilbertToDilbert.pdf

Victor Christianto, Florentin Smarandache: **Let The Wind Blow: Physics of Wave and Only Wave.** Brussels, Belgium: Pons Editions, 2018, 298 p.

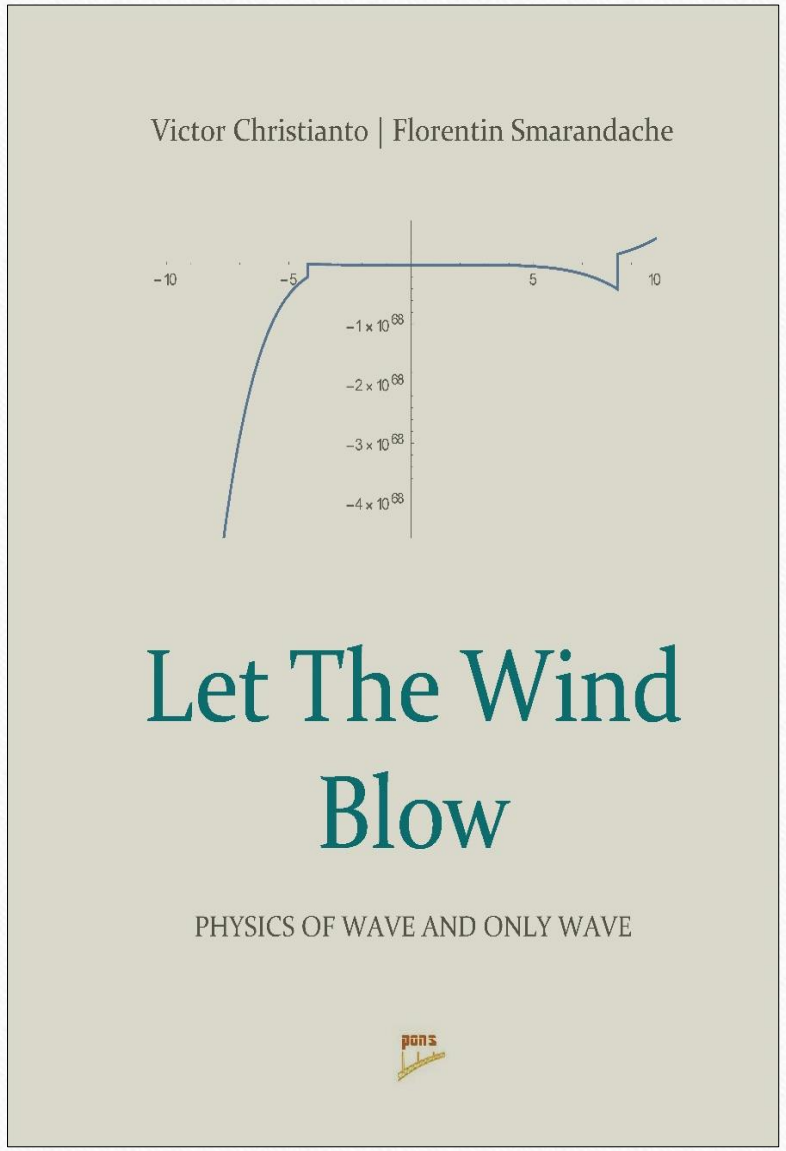
Keywords: Neutrosophic membership function, Identity dynamics, Missiology, Ecclesiology, Relativity theory, Quantum Mechanics, Cellular Automaton Universe.

This book is a compilation of old and new papers by Victor Christianto and Florentin Smarandache. Other researchers contributed to some papers: Volodymyr Krasnoholovets (IOP, Ukraine), Sergey Ershkov (MSU, Moscow, Russia), and Yunita Umniyati (Swiss-German University, Tangerang, Indonesia). This compilation is inspired from a series of seminars by Rev. Jan Friso from Kingdom Impact, and also a discussion with Minister Dr. Robby Chandra.

The title, “Let the wind blow”, contains multiple meanings:
- to let the wave physics to flow freely including in energy research, medicine etc.
- to let the Spirit to pour on everyone...

The message of this book is quite simple: authors wish to return a healthy dose of "realism" and “wave only” physics back into modern sciences. They try to make their case through examples in different fields of science, including missiology, ecclesiology, and also medicine and economics.

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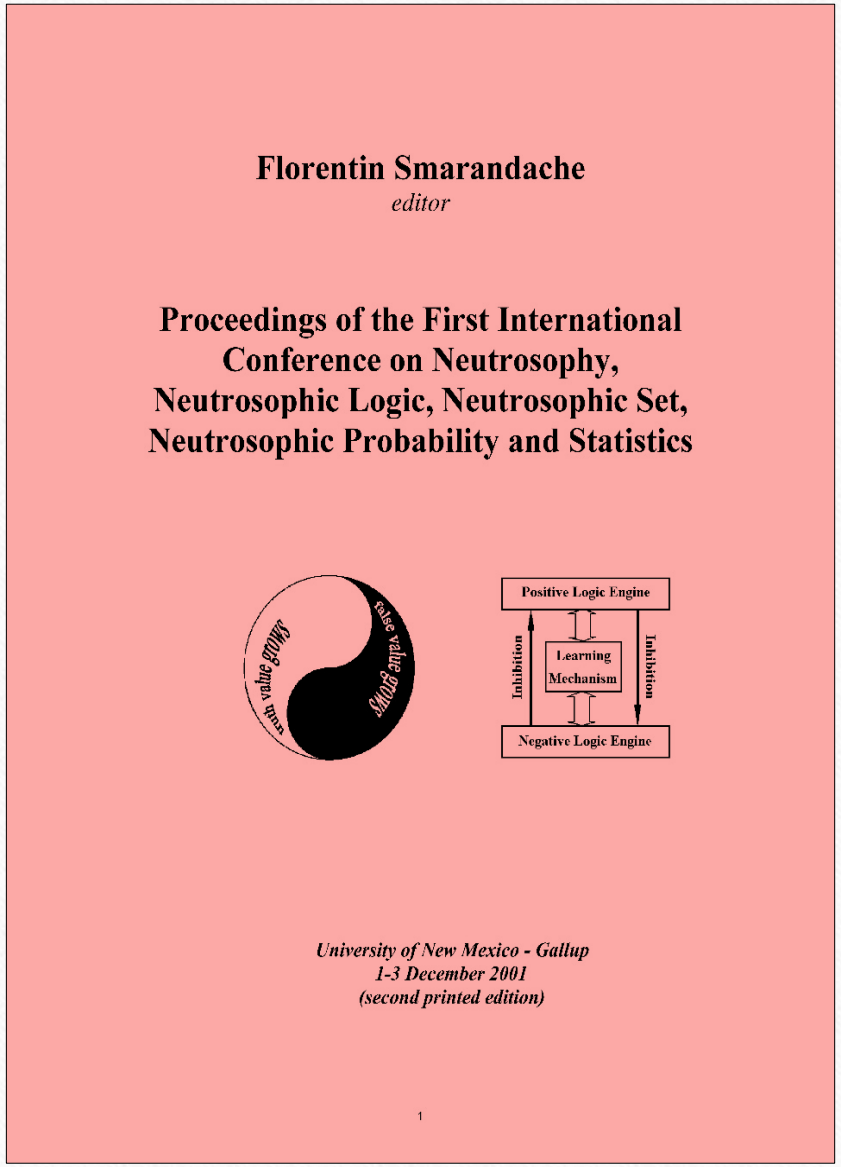


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Smarandache's Books

Neutrosophy

Theory&Applications



Florentin Smarandache (ed.): **Proceedings of the First International Conference on Neutrosophy, Neutrosophic Logic, Neutrosophic Set, Neutrosophic Probability and Statistics.** *Second Printed Edition.* Phoenix, AZ, USA: Xiquan, 2002, 148 p.

Keywords: Neutrosophy, Neutrosophic Logic, 3D Neutrosophic Space, Neutrosophic Set, Neutrosophic Probability, Neutrosophic Statistics, Neutrosophic event.

The Neutrosophy is a new branch of philosophy, introduced by Florentin Smarandache in 1980, which studies the origin, nature and scope of neutralities, as well as their interactions with different ideational spectra. Neutrosophy considers a proposition, theory, event, concept, or entity, <A> A in relation to its opposite, <Anti-A>, A and that which is not <A>, <Non-A>, and that which is neither <A> A nor <Anti—A>, denoted by <Neut—A>. Neutrosophy serves as the basis for the Neutrosophic Logic (NL) or Smarandache's logic, which is a general framework for the unification of all existing logics.

The main idea of NL is to characterize each logical statement in a 3D Neutrosophic Space, where each dimension of the space represents respectively the truth (T), the falsehood (F), and the indeterminacy (I) of the statement under consideration, where T, I, and F are standard or non-standard real subsets of]-0, 1+[. Moreover, in NL each statement is allowed to be over or under true, over or under false, and over or under indeterminate by using hyper real numbers developed in the non-standard analysis theory.

– Jean Dezert

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Florentin Smarandache: **A Unifying Field in Logics: Neutrosophic Logic. Neutrosophy, Neutrosophic Set, Neutrosophic Probability and Statistics.** *Simplified Chinese Translation & Annotation by Feng Liu.* Phoenix, AZ, USA: Xiquan, 2003, 148 p.

Keywords: Neutrosophy, Neutrosophic Logic, 3D Neutrosophic Space, Neutrosophic Set, Neutrosophic Probability, Neutrosophic Statistics, Neutrosophic event.

作为一个新兴学科, 中智学站在东西文化交融的角度, 从对立统一的角度探索从科学技术到文学艺术的一切宏观及微观结构, 构造从逻辑学的统一场到超越一切学科、超越自然科学与社会科学界限的统一场, 并解决当今认知科学、信息科学、系统科学、经济学、量子力学等科学技术前沿难题——非确定性问题。中智学努力通过新型开放模式改造当今各自然科学与社会科学, 实现它们的改革创新和更新换代。本书是该学科的第一本汉语译著, 由以下两个大部分组成: 中智哲学和中智数学, 前者为所有自然科学和社会科学的中智学研究奠定理论基础,后者是对经典模糊数学的更新换代: 将模糊逻辑、模糊集合论和经典及非精确概率统计概括统一为中智逻辑、中智集合论和中智概率统计, 为各应用学科的改革提供数学基础。本书供广大科技哲学、模糊数学、信息科学、人工智能、系统科学及其它相关领域的大专院校学生、研究生及研究人员、教学人员参考及再开发。

– Feng Liu

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Florentin Smarandache: **A Unifying Field in Logics: Neutrosophic Logic. Neutrosophy, Neutrosophic Set, Neutrosophic Probability and Statistics.** *Traditional Chinese Translation & Annotation by Feng Liu.* Phoenix, AZ, USA: Xiquan, 2003, 134 p.

Keywords: Neutrosophy, Neutrosophic Logic, 3D Neutrosophic Space, Neutrosophic Set, Neutrosophic Probability, Neutrosophic Statistics, Neutrosophic event.

作为一个新兴学科，中智学站在东西文化交融的角度，从对立统一的角度探索从科学技术到文学艺术的一切宏观及微观结构，构造从逻辑学的统一场到超越一切学科、超越自然科学与社会科学界限的统一场，并解决当今认知科学、信息科学、系统科学、经济学、量子力学等科学技术前沿难题——非确定性问题。中智学努力通过新型开放模式改造当今各自然科学与社会科学，实现它们的改革创新和更新换代。本书是该学科的第一本汉语译著，由以下两个大部分组成：中智哲学和中智数学，前者为所有自然科学和社会科学的中智学研究奠定理论基础，后者是对经典模糊数学的更新换代：将模糊逻辑、模糊集合论和经典及非精确概率统计概括统一为中智逻辑、中智集合论和中智概率统计，为各应用学科的改革提供数学基础。本书供广大科技哲学、模糊数学、信息科学、人工智能、系统科学及其它相关领域的大专院校学生、研究生及研究人员、教学人员参考及再开发。

– Feng Liu

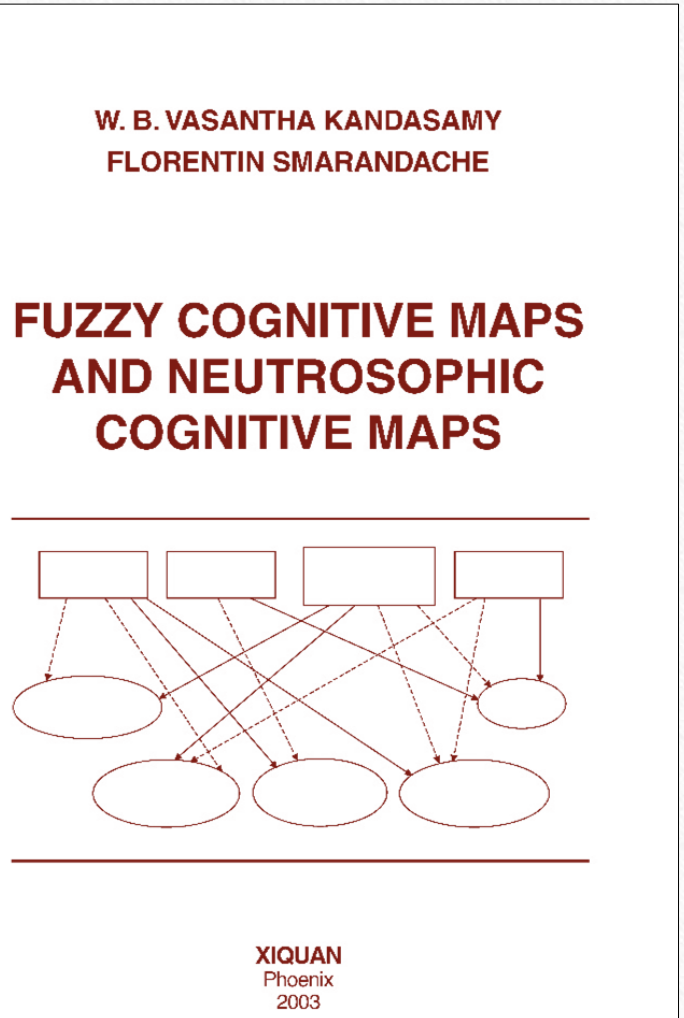
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W. B. Vasantha Kandasamy, Florentin Smarandache: **Fuzzy Cognitive Maps and Neutrosophic Cognitive Maps**. Phoenix, AZ, USA: Xiquan, 2003, 211 p.

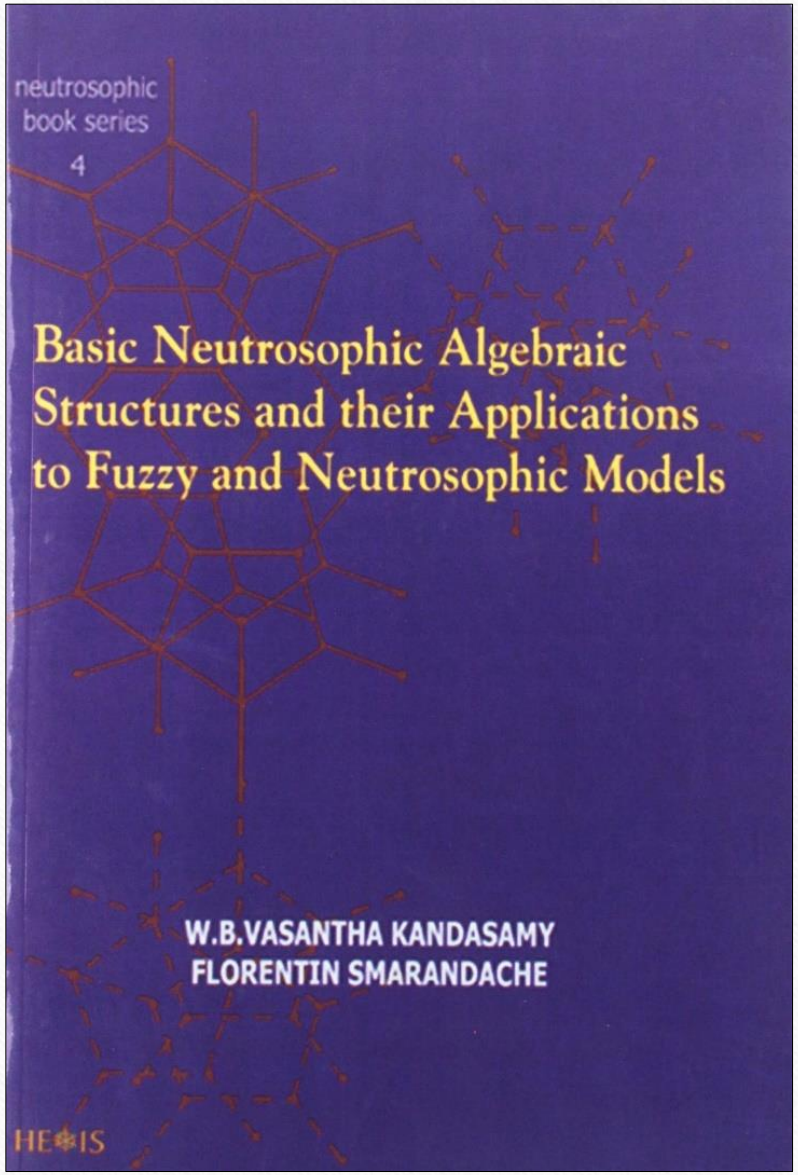
Keywords: Neutrosophic Set, Neutrosophic Cognitive Maps, Fuzzy Cognitive Maps, Fuzzy Relational Maps, Directed Graph.

In this book we study the concepts of Fuzzy Cognitive Maps (FCMs) and their Neutrosophic analogue, the Neutrosophic Cognitive Maps (NCMs). Fuzzy Cognitive Maps are fuzzy structures that strongly resemble neural networks, and they have powerful and far-reaching consequences as a mathematical tool for modeling complex systems. Prof. Bart Kosko, the guru of fuzzy logic, introduced the Fuzzy Cognitive Maps in the year 1986. It was a fuzzy extension of the cognitive map pioneered in 1976 by political scientist Robert Axelrod, who used it to represent knowledge as an interconnected, directed, bilevel-logic graph. Till today there are over a hundred research papers which deal with FCMs, and the tool has been used to study real-world situations as varied as stock-investment analysis to supervisory system control, and child labor to community mobilization against the AIDS epidemic.

This book has been written with two aims: First, we seek to consolidate the vast amount of research that has been done around the concepts of FCMs, and also try to give an inclusive view of the various real-world problems to which FCMs have been applied. Though there are over a hundred research papers relating to FCMs, there is no book that deals exclusively with them — and we hope this book possibly bridges that gap. Second, we introduce here (for the first time) the concept of Neutrosophic Cognitive Maps (NCMs), which are a generalization of Fuzzy Cognitive Maps. The special feature of NCMs is their ability to handle indeterminacy in relations between two concepts, which is denoted by 'I'. This new structure — the NCM is capable of giving results with greater sensitivity than the FCM.



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W. B. Vasantha Kandasamy, Florentin Smarandache: **Basic Neutrosophic Algebraic Structures and their Applications to Fuzzy and Neutrosophic Models**. Phoenix, NM, USA: Hexis, 2004, 149 p.

Keywords: Neutrosophic Set, Neutrosophic Logic, Intuitionistic Fuzzy Logic, Intuitionistic Fuzzy Set, Neutrosophic Algebraic Structures, Neutrosophic Cognitive Maps, Neutrosophic Graph.

For the involvement of uncertainty of varying degrees, when the total of the membership degree exceeds one or less than one, then the newer mathematical paradigm shift, Fuzzy Theory proves appropriate. For the past two or three decades, Fuzzy Theory has become the potent tool to study and analyze uncertainty involved in all problems. But, many real world problems also abound with the concept of indeterminacy. In this book, the new, powerful tool of neutrosophy that deals with indeterminacy is utilized. Innovative neutrosophic models are described. The theory of neutrosophic graphs is introduced and applied to fuzzy and neutrosophic models.

This book is organized into four chapters. In Chapter One we introduce some of the basic neutrosophic algebraic structures essential for the further development of the other chapters. Chapter Two recalls basic graph theory definitions and results which has interested us and for which we give the neutrosophic analogues. In this chapter we give the application of graphs in fuzzy models. An entire section is devoted for this purpose. Chapter Three introduces many new neutrosophic concepts in graphs and applies it to the case of neutrosophic cognitive maps and neutrosophic relational maps. The last section of this chapter clearly illustrates how the neutrosophic graphs are utilized in the neutrosophic models. The final chapter gives some problems about neutrosophic graphs which will make one understand this new subject.

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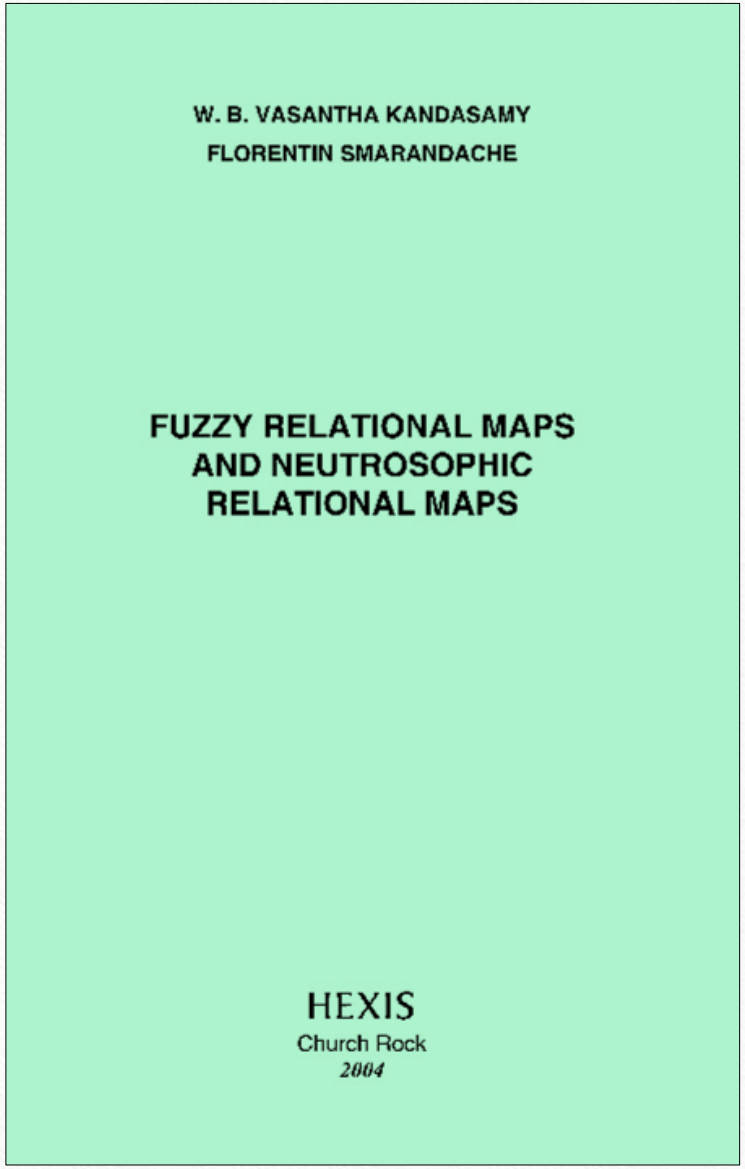
W. B. Vasantha Kandasamy, Florentin Smarandache: **Fuzzy Relational Maps and Neutrosophic Relational Maps**. Church Rock, NM, USA: Hexis, 2004, 300 p.

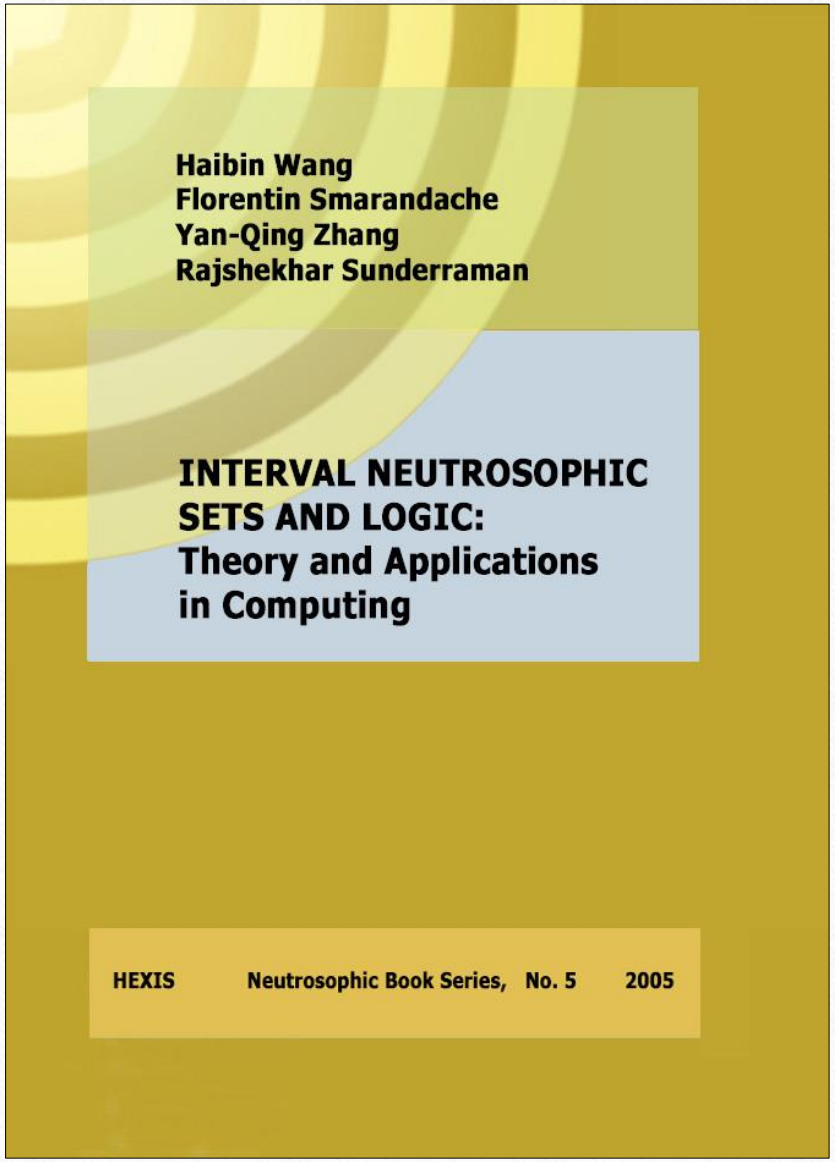
Keywords: Neutrosophic Set, Fuzzy Relational Equation, Neutrosophic Relational Equation.

The aim of this book is twofold. At the outset the book gives most of the available literature about Fuzzy Relational Equations (FREs) and its properties for there is no book that solely caters to FREs and its applications. Though we have a comprehensive bibliography, we do not promise to give all the possible available literature about FRE and its applications. We have given only those papers which we could access and which interested us specially. We have taken those papers which in our opinion could be transformed for neutrosophic study.

The second importance of this book is that for the first time we introduce the notion of Neutrosophic Relational Equations (NRE) which are analogous structure of FREs. Neutrosophic Relational Equations have a role to play for we see that in most of the real-world problems, the concept of indeterminacy certainly has its say; but the FRE has no power to deal with indeterminacy, but this new tool NRE has the capacity to include the notion of indeterminacy. So we feel the NREs are better tools than FREs to use when the problem under investigation has indeterminates. Thus we have defined in this book NREs and just sketched its probable applications.

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Haibin Wang, Florentin Smarandache, Yan-Qing Zhang, Rajshekhar Sunderraman: **Interval Neutrosophic Sets and Logic: Theory and Applications in Computing**. Phoenix, AZ, USA: Hexis, 2005, 97 p.

Keywords: Neutrosophic Set, Neutrosophic Logic, Medicine, Military, Cybernetics, Physics, Web Services, Neutrosophic Topology, Neutrosophic Metric Spaces, Smooth Topological Spaces, Neutrosophic Numbers, Neutrosophic Rough Sets, Neutrosophic Relational Structures, Neutrosophic Relational Equations, Neutrosophic Similarity Relations, Neutrosophic Orderings, Neutrosophic Geometry, Neutrosophic Probability.

This book presents the advancements and applications of neutrosophics, which are generalizations of fuzzy logic, fuzzy set, and imprecise probability.

The neutrosophic logic, neutrosophic set, neutrosophic probability, and neutrosophic statistics are increasingly used in engineering applications (especially for software and information fusion), medicine, military, cybernetics, physics.

In the last chapter a soft semantic Web Services agent framework is proposed to facilitate the registration and discovery of high quality semantic Web Services agent. The intelligent inference engine module of soft semantic Web Services agent is implemented using interval neutrosophic logic.

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W. B. Vasantha Kandasamy, Florentin Smarandache: **Some Neutrosophic Algebraic Structures and Neutrosophic n-Algebraic Structures**. Phoenix, AZ, USA: Hexis, 2006, 219 p.

Keywords: Neutrosophic Set, Neutrosophic Groups, Neutrosophic Semigroups, Neutrosophic Loops, Neutrosophic Groupoids, Neutrosophic n-Structures.

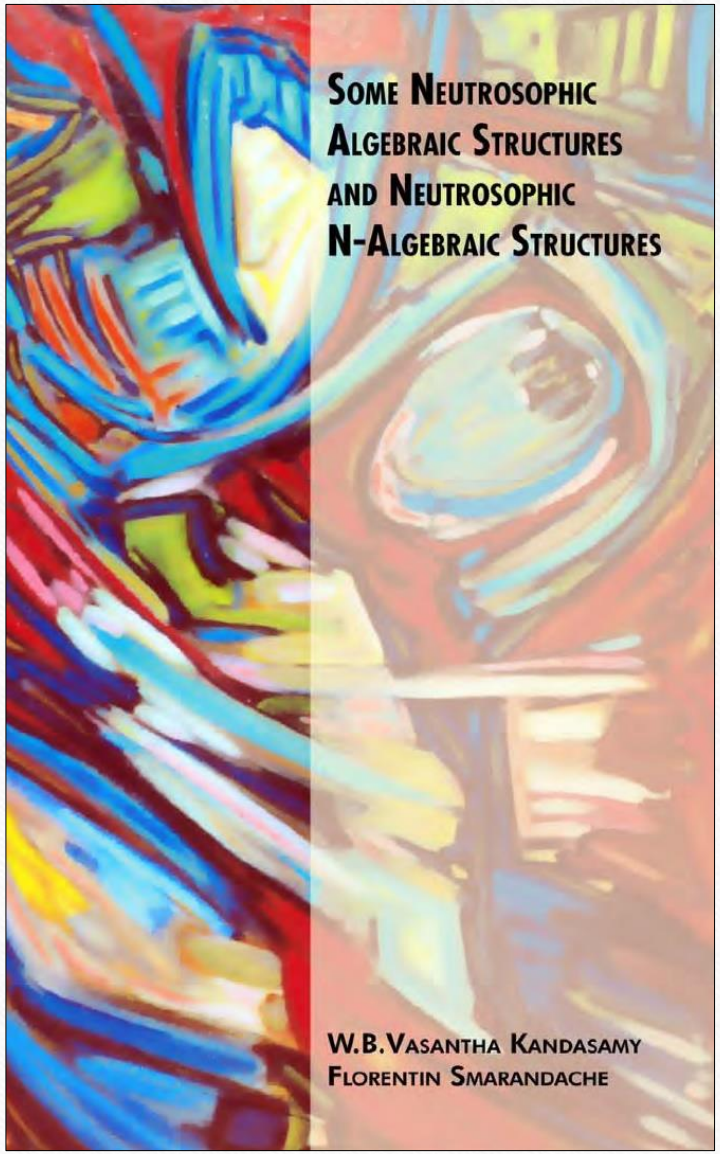
This book for the first time introduces neutrosophic groups, neutrosophic semigroups, neutrosophic loops and neutrosophic groupoids and their neutrosophic n-structures.

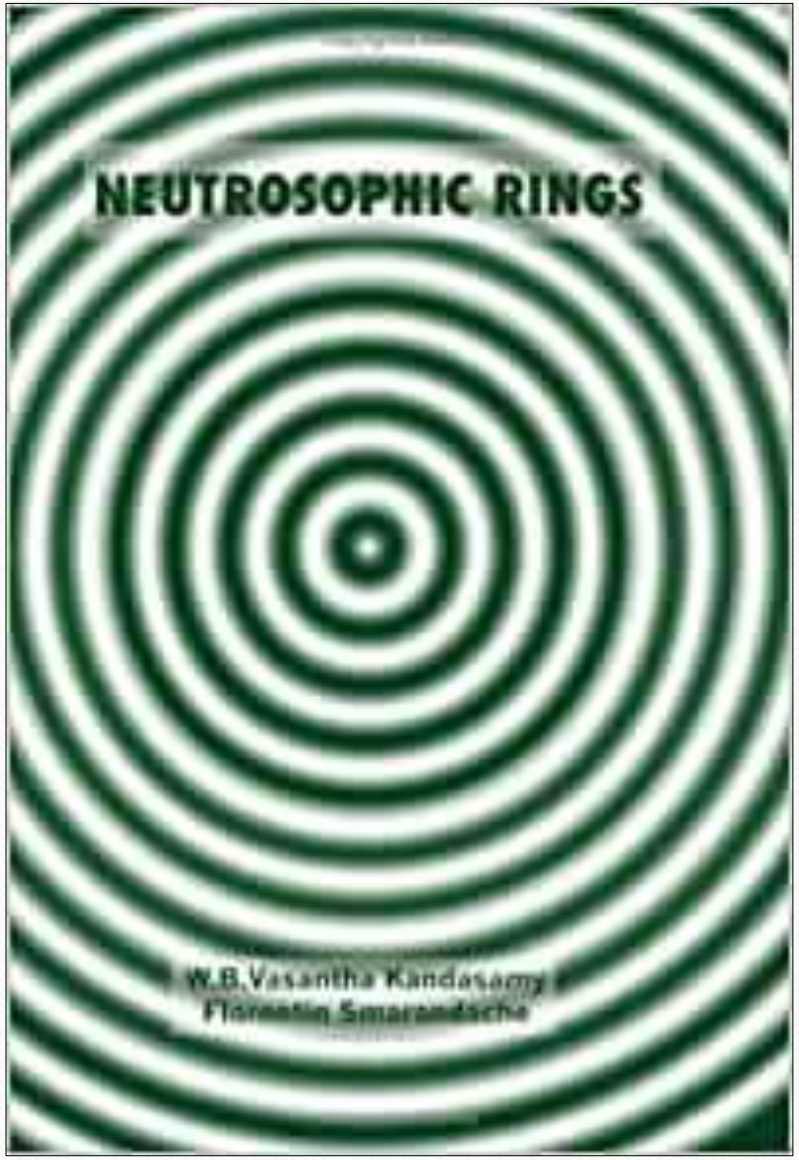
The special feature of this book is that it tries to analyze when the general neutrosophic algebraic structures like loops, semigroups and groupoids satisfy some of the classical theorems for finite groups viz. Lagrange, Sylow, and Cauchy.

This is mainly carried out to know more about these neutrosophic algebraic structures and their neutrosophic n-algebraic structures.

Another feature of this book is that only meager definitions and results are given about groupoids. But over 25 problems are suggested as exercise in the last chapter. For groupoids are generalizations of both semigroups and loops.

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W. B. Vasantha Kandasamy, Florentin Smarandache: **Neutrosophic Rings**. Phoenix, AZ, USA: Hexis, 2006, 154 p.

Keywords: Neutrosophic Cognitive Map, Neutrosophic Relational Map, Neutrosophic Bidirectional Memory, Neutrosophic Rings.

Research on algebraic structure of group rings is one of the leading, most sought-after topics in ring theory. The new class of neutrosophic rings defined in this book form a generalization of group rings and semigroup rings.

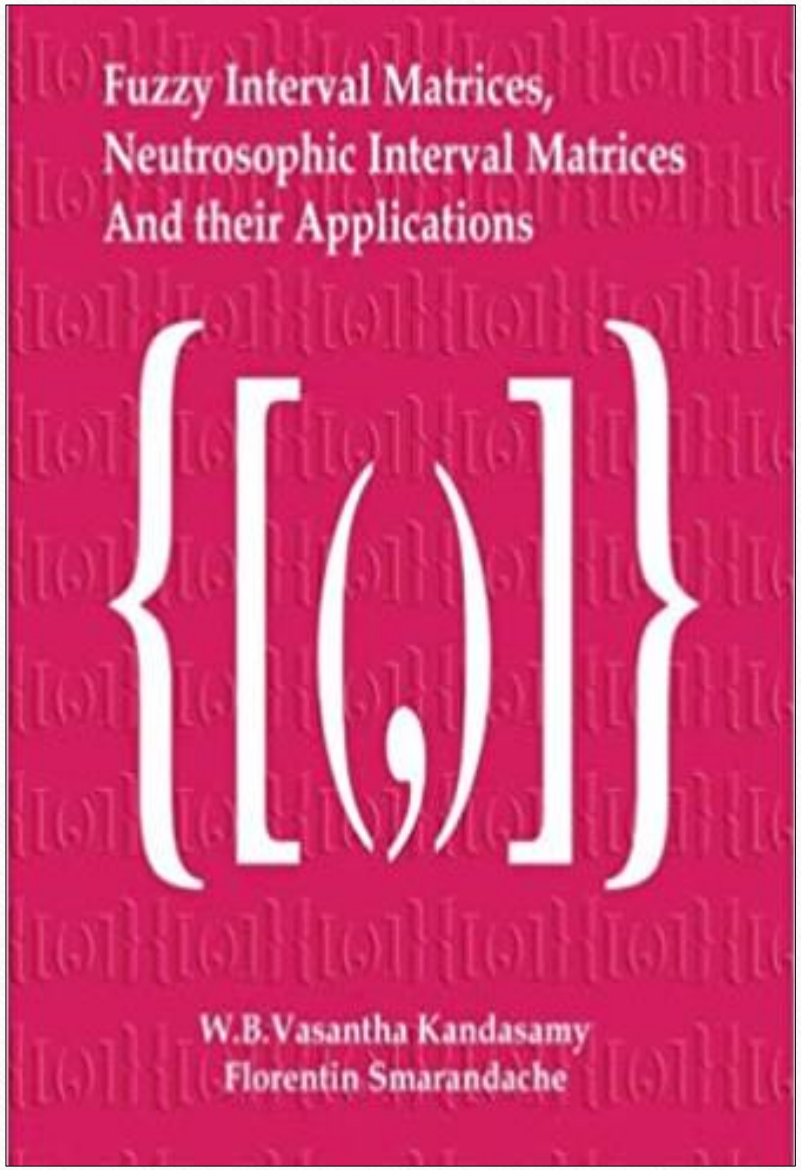
The study of the classes of neutrosophic group neutrosophic rings and S-neutrosophic semigroup neutrosophic rings which form a type of generalization of group rings will throw light on group rings and semigroup rings which are essential substructures of them. A salient feature of this group is the many suggested problems on the new classes of neutrosophic rings, solutions of which will certainly develop some of the still open problems in group rings.

Further, neutrosophic matrix rings find applications in neutrosophic models like Neutrosophic Cognitive Maps (NCM), Neutrosophic Relational Maps (NRM), Neutrosophic Bidirectional Memories (NBM) and so on.

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W. B. Vasantha Kandasamy, Florentin Smarandache: **Fuzzy Interval Matrices, Neutrosophic Interval Matrices and Their Applications**. Phoenix, AZ, USA, Belgium: Hexis, 2006, 304 p.

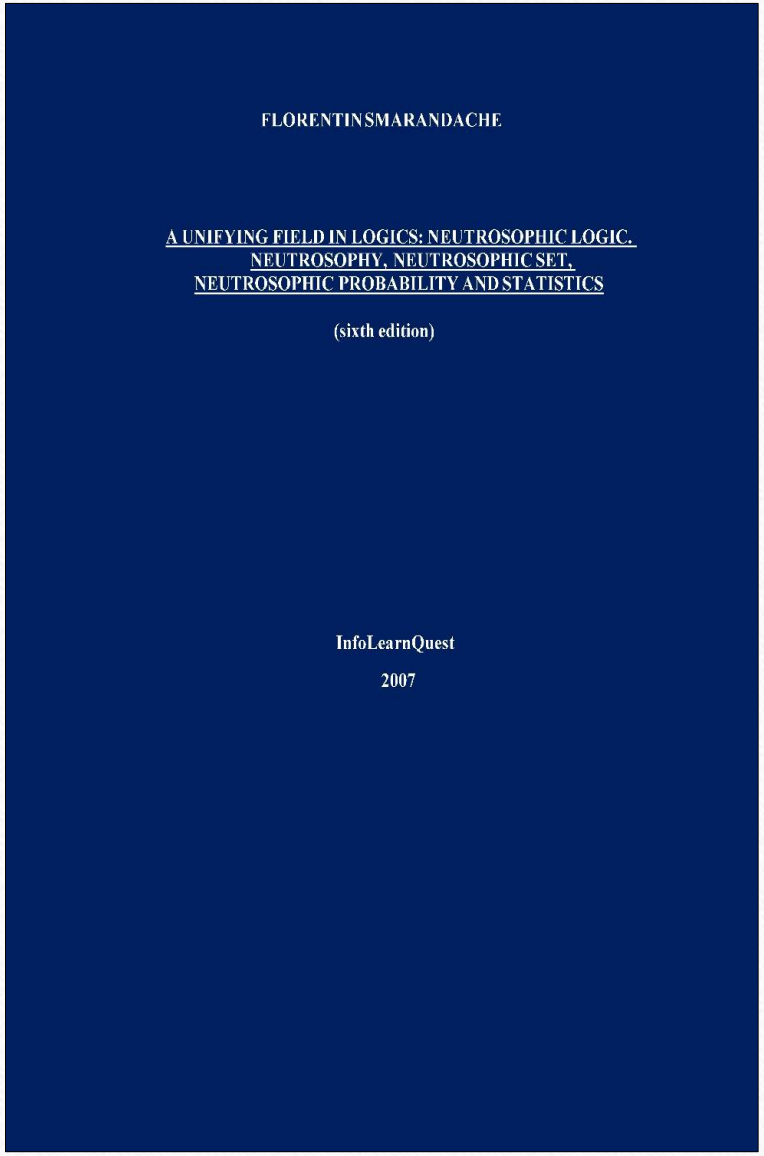
Keywords: Neutrosophic Set, Fuzzy Interval Matrices, Fuzzy Interval Bimatrices, Fuzzy Interval n-Matrices, Neutrosophic Interval Matrices, Neutrosophic Interval Bimatrices, Neutrosophic Interval n-Matrices, Fuzzy Neutrosophic Interval Matrices, Fuzzy Neutrosophic Interval n-Matrices.



This book introduces for the first time the notion of fuzzy interval matrices, fuzzy interval bimatrices, fuzzy interval n-matrices, neutrosophic interval matrices, neutrosophic interval bimatrices, neutrosophic interval n-matrices, fuzzy neutrosophic interval matrices and fuzzy neutrosophic interval n-matrices.

These new notions find their applications in FCInM, FRInM, FBAItM, NCInM, NCRInM and NRInM models. It is important to mention that these Fuzzy interval n-matrices and Fuzzy neutrosophic interval n-matrices will find their usage in Leontief economic models and Markov chains that have lots of industrial applications.

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Florentin Smarandache: **A Unifying Field in Logics: Neutrosophic Logic. Neutrosophy, Neutrosophic Set, Neutrosophic Probability and Statistics.** *Sixth Edition*. Ann Arbor, MI, USA: InfoLearnQuest, 2007, 158 p.

Keywords: Neutrosophy, Neutrosophic Logic, 3D Neutrosophic Space, Neutrosophic Set, Neutrosophic Probability, Neutrosophic Statistics, Neutrosophic event.

Neutrosophy is a theory developed by Florentin Smarandache as a generalization of dialectics. This theory considers every notion or idea <A> together with its opposite or negation <Anti-A> and the spectrum of "neutralities" <Neut-A> (i.e. notions or ideas located between the two extremes, supporting neither <A> nor <Anti-A>). The <Neut-A> and <Anti-A> ideas together are referred to as <Non-A>. The theory proves that every idea <A> tends to be neutralized and balanced by <Anti-A> and <Non-A> ideas - as a state of equilibrium.

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Florentin Smarandache: **Multispace & Multistructure. Neutrosophic Transdisciplinarity.** *100 Collected Papers of Sciences. Fourth Volume*. Hanko, Finland: North-European Scientific Publishers, 2010, 800 p.

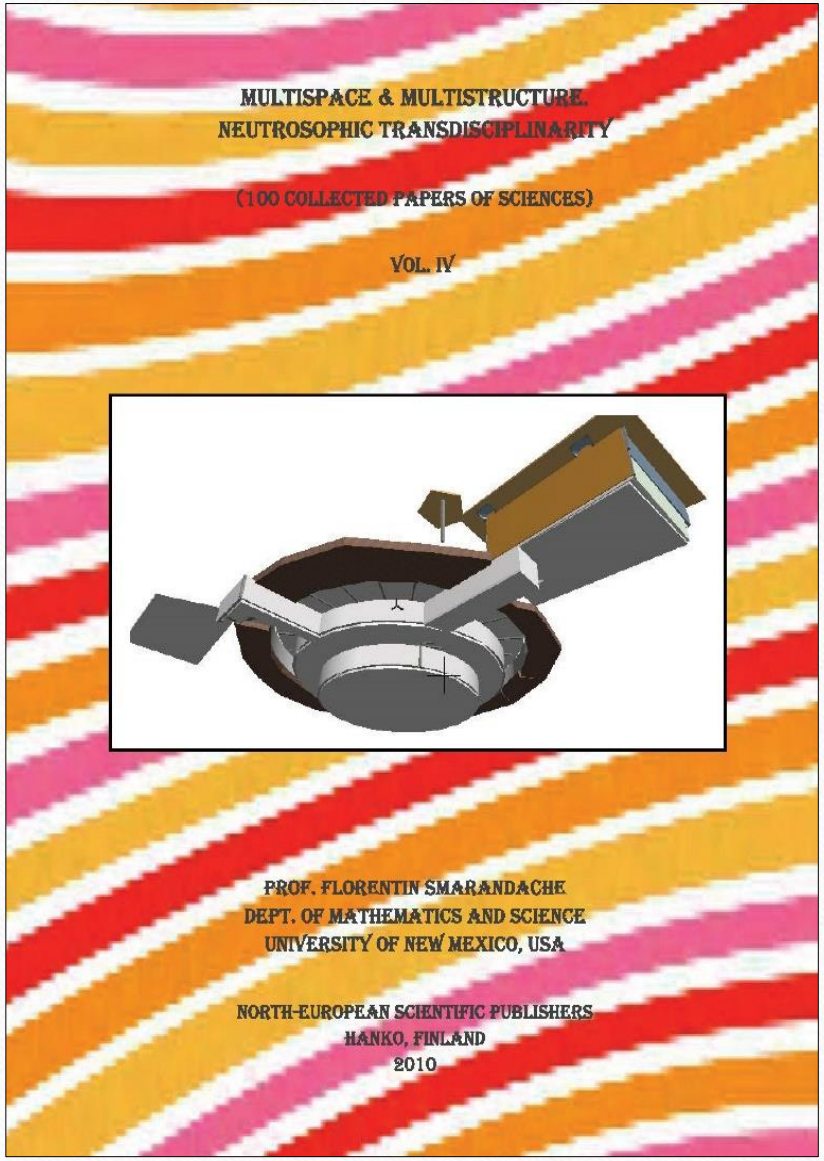
Keywords: Neutrosophic Algebraic Structures, Neutrosophy, Game Theory, Geometry, Graph Theory, Information Fusion, Neutrosophic Logic, Neutrosophic Set, Astronomy, Biology, Calculus, Chemistry, Computer Programming, Economics, Business, Education.

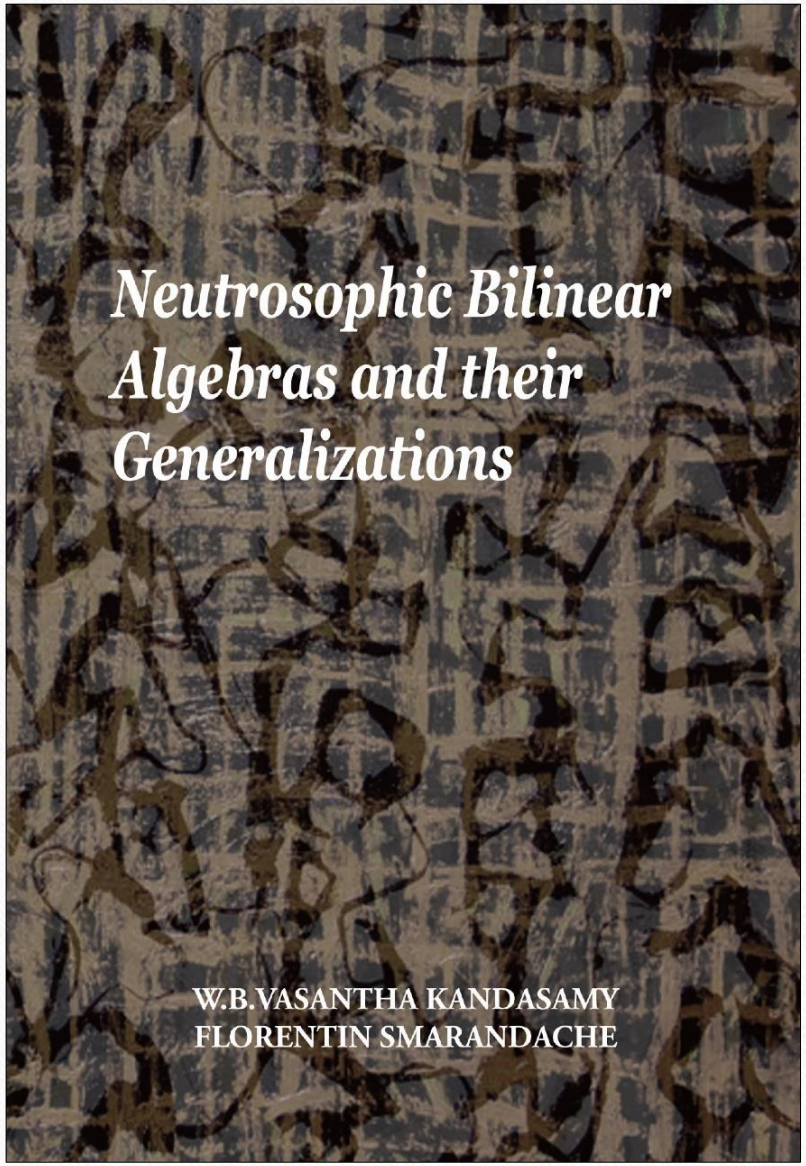
This is an eclectic tome of 100 papers in various fields of sciences, alphabetically listed, such as: astronomy, biology, calculus, chemistry, computer programming codification, economics and business and politics, education and administration, game theory, geometry, graph theory, information fusion, neutrosophic logic and set, non-Euclidean geometry, number theory, paradoxes, philosophy of science, psychology, quantum physics, scientific research methods, and statistics – containing 800 pages.

It was my preoccupation and collaboration as author, co-author, translator, or co-translator, and editor with many scientists from around the world for long time. Many ideas from this book are to be developed and expanded in future explorations.

– Florentin Smarandache

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W. B. Vasantha Kandasamy, Florentin Smarandache: **Neutrosophic Bilinear Algebras and Their Generalizations**. Stockholm, Sweden: Svenska fysikarkivet, 2010, 402 p.

Keywords: Bilinear Algebra, Neutrosophic Algebraic Structures, Neutrosophic Bivector Spaces, Strong Neutrosophic Bivector Spaces, Neutrosophic Biinner Product Bivector Space, Neutrosophic n-Vector Space, Neutrosophic Strong n-Vector Spaces.

This book introduces the concept of neutrosophic bilinear algebras and their generalizations to n-linear algebras, n>2. This book has five chapters. The reader should be well-versed with the notions of linear algebras as well as the concepts of bilinear algebras and n- linear algebras. Further the reader is expected to know about neutrosophic algebraic structures as we have not given any detailed literature about it. The first chapter is introductory in nature and gives a few essential definitions and references for the reader to make use of the literature in case the reader is not thorough with the basics. The second chapter deals with different types of neutrosophic bilinear algebras and bivector spaces and proves several results analogous to linear bialgebra. In chapter three the authors introduce the notion of n-linear algebras and prove several theorems related to them. Many of the classical theorems for neutrosophic algebras are proved with appropriate modifications. Chapter four indicates the probable applications of these algebraic structures. The final chapter suggests about 80 innovative problems for the reader to solve. The interesting feature of this book is that it has over 225 illustrative examples, this is mainly provided to make the reader understand these new concepts. This book contains over 60 theorems and has introduced over 100 new concepts.

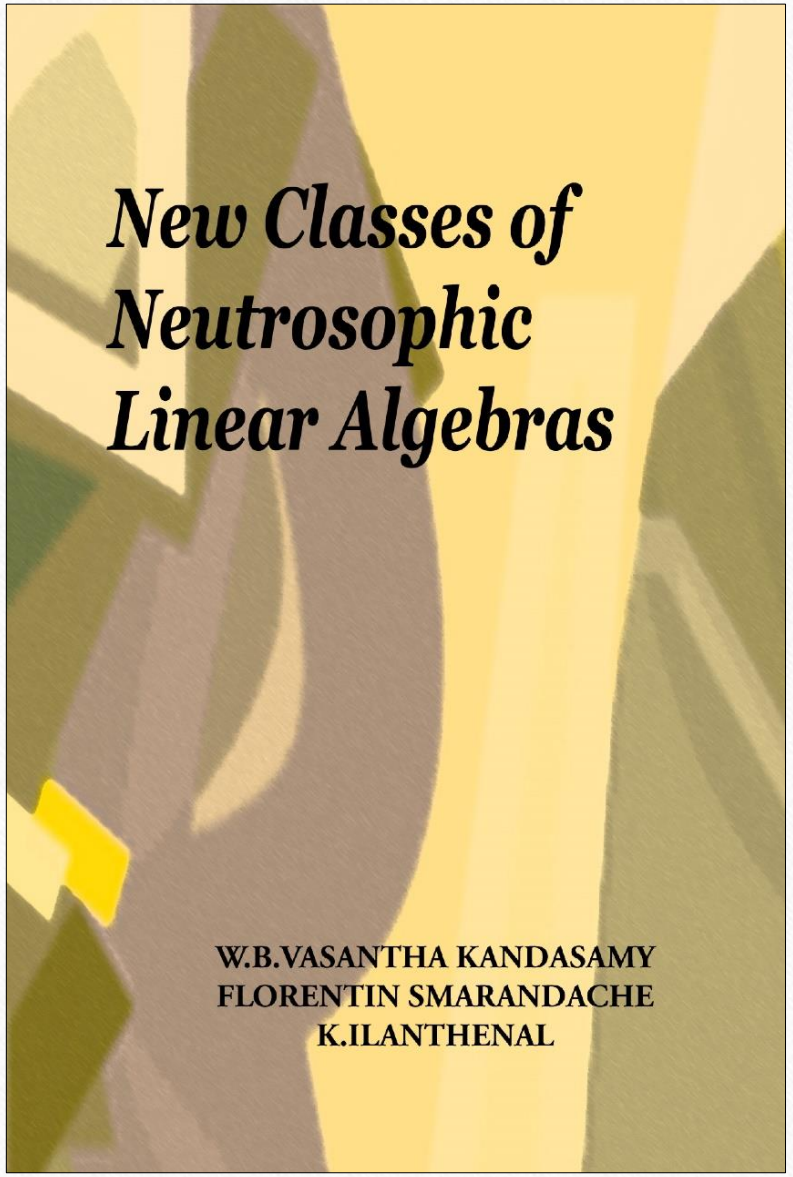
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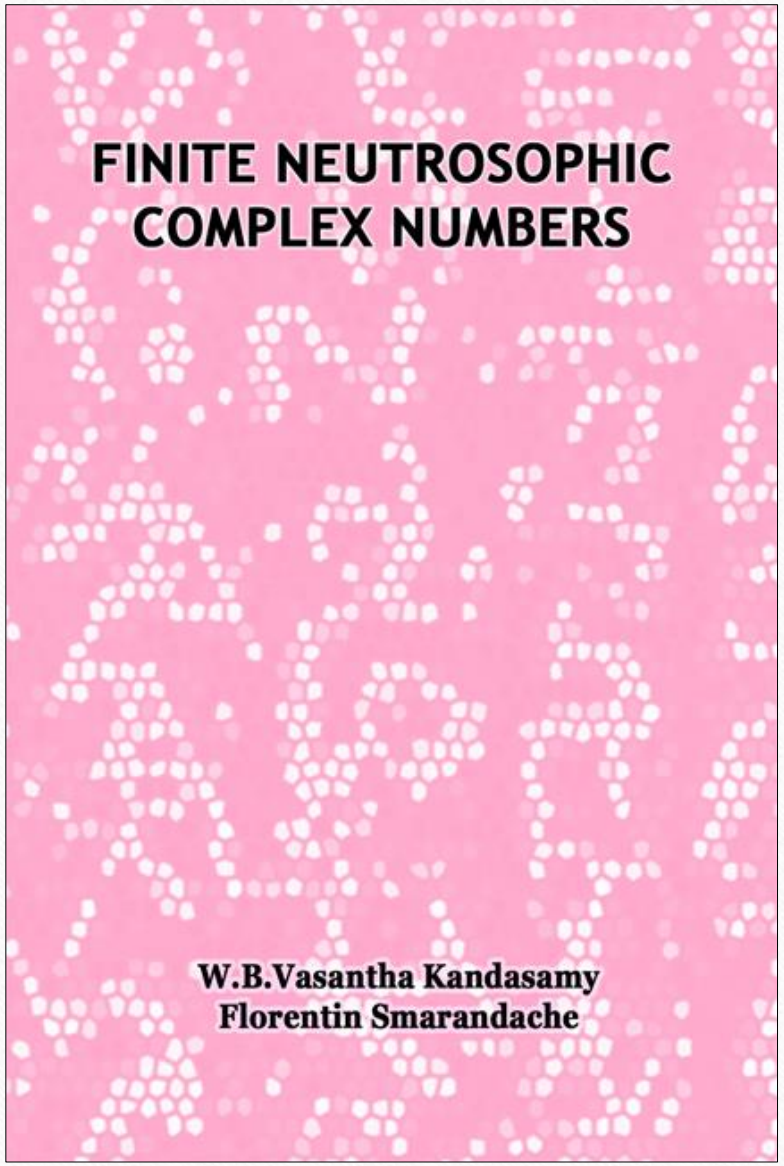
W. B. Vasantha Kandasamy, Florentin Smarandache, K. Ilanthenral: **New Classes of Neutrosophic Linear Algebras**. Slatina, Romania: CuArt, 2010, 286 p.

Keywords: Linear Algebras, Neutrosophic Set, Set Neutrosophic Vector Space, Neutrosophic Integer, Set Vector Space, Neutrosophic Semigroup Linear Algebra, Neutrosophic Group Linear Algebra.

In this book we introduce mainly three new classes of linear algebras; neutrosophic group linear algebras, neutrosophic semigroup linear algebras and neutrosophic set linear algebras. The authors also define the fuzzy analogue of these three structures. This book is organized into seven chapters. Chapter one is introductory in content. The notion of neutrosophic set linear algebras and neutrosophic neutrosophic set linear algebras are introduced and their properties analysed in chapter two. Chapter three introduces the notion of neutrosophic semigroup linear algebras and neutrosophic group linear algebras. A study of their substructures are systematically carried out in this chapter. The fuzzy analogue of neutrosophic group linear algebras, neutrosophic semigroup linear algebras and neutrosophic set linear algebras are introduced in chapter four of this book. Chapter five introduces the concept of neutrosophic group bivector spaces, neutrosophic bigroup linear algebras, neutrosophic semigroup (bisemigroup) linear algebras and neutrosophic biset bivector spaces. The fuzzy analogue of these concepts are given in chapter six. An interesting feature of this book is it contains nearly 424 examples of these new notions. The final chapter suggests over 160 problems which is another interesting feature of this book.

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W. B. Vasantha Kandasamy, Florentin Smarandache: **Finite Neutrosophic Complex Numbers**. Columbus, OH, USA: Zip Publishing, 2011, 220 p.

Keywords: Real Neutrosophic Complex Numbers, Finite Complex Modulo Integers, Vector Spaces, Linear Algebras, Groups, Rings, Matrices, Polynomials.

In this book for the first time the authors introduce the notion of real neutrosophic complex numbers. Further the new notion of finite complex modulo integers is defined. Further the notion of complex neutrosophic modulo integers is introduced. Vector spaces and linear algebras are constructed using these neutrosophic complex modulo integers.

This book is organized into 5 chapters. The first chapter introduces real neutrosophic complex numbers. Chapter two introduces the notion of finite complex numbers; algebraic structures like groups, rings etc are defined using them. Matrices and polynomials are constructed using these finite complex numbers. Chapter three introduces the notion of neutrosophic complex modulo integers. Algebraic structures using neutrosophic complex modulo integers are built and around 90 examples are given. Some probable applications are suggested in chapter four and chapter five suggests around 160 problems some of which are at research level.

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W. B. Vasantha Kandasamy, Florentin Smarandache: **Neutrosophic Interval Bialgebraic Structures**. Columbus, OH, USA: Zip Publishing, 2011, 195 p.

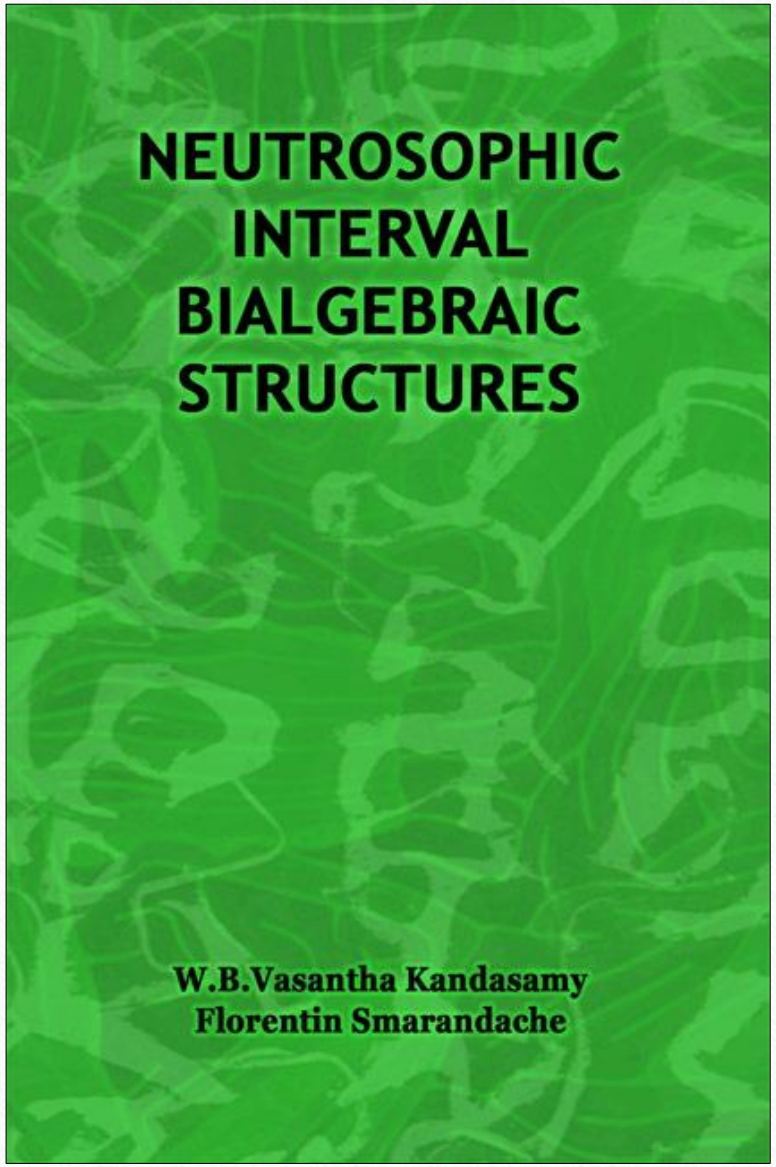
Keywords: Neutrosophic Intervals, Algebraic Structures, Pure Neutrosophic Intervals, Mixed Neutrosophic Intervals, Neutrosophic Interval Bigroups, Neutrosophic Interval n-Structures.

In this book the authors for the first time introduce the notion of neutrosophic intervals and study the algebraic structures using them. Concepts like groups and fields using neutrosophic intervals are not possible. Pure neutrosophic intervals and mixed neutrosophic intervals are introduced and by the very structure of the interval one can understand the category to which it belongs.

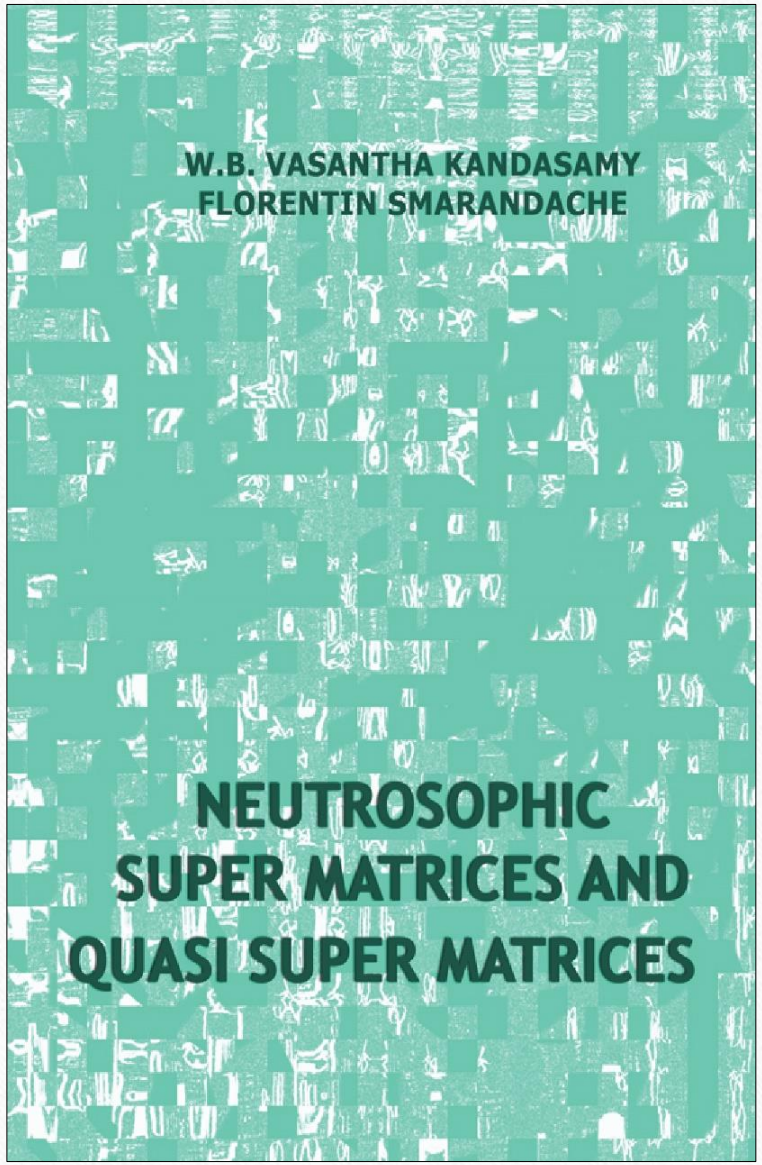
We introduce the notion of pure (mixed) neutrosophic interval bisemigroups or neutrosophic biinterval semigroups. We derive results pertaining to them. The new notion of quasi bisubsemigroups and ideals are introduced. Smarandache interval neutrosophic bisemigroups are also introduced and analysed. Also notions like neutrosophic interval bigroups and their substructures are studied in section two of this chapter. Neutrosophic interval bigroupoids and the identities satisfied by them are studied in section three of this chapter.

The final section of chapter one introduces the notion of neutrosophic interval biloops and studies them. Chapter two of this book introduces the notion of neutrosophic interval birings and bisemirings. Several results in this direction are derived and described. Even new bistructures like neutrosophic interval ring-semiring or neutrosophic interval semiring-ring are introduced and analyzed.

In the third chapter we introduce the notion of neutrosophic interval n-structures. Over 60 examples are given and various types of n-structures are studied. Possible applications of these new structures are given in chapter four. The final chapter suggests over hundred problems some of which are at research level.



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http://fs.unm.edu/NeutrosophicIntervalBialgebraicStructures.pdf



W. B. Vasantha Kandasamy, Florentin Smarandache: **Neutrosophic Super Matrices and Quasi Super Matrices**. Columbus, OH, USA: Zip Publishing, 2012, 200 p.

Keywords: Neutrosophic Set, Fuzzy Neutrosophic Model, Super Matrices, Neutrosophic Super Matrices, Quasi Super Matrices.

In this book authors study neutrosophic super matrices. The concept of neutrosophy or indeterminacy happens to be one the powerful tools used in applications like FCMs and NCMs where the expert seeks for a neutral solution. Thus this concept has lots of applications in fuzzy neutrosophic models like NRE, NAM etc. These concepts will also find applications in image processing where the expert seeks for a neutral solution.

Here we introduce neutrosophic super matrices and show that the sum or product of two neutrosophic matrices is not in general a neutrosophic super matrix. Another interesting feature of this book is that we introduce a new class of matrices called quasi super matrices; these matrices are the larger class which contains the class of super matrices. These class of matrices lead to more partition of n × m matrices where n > 1 and m > 1, where m and n can also be equal. Thus this concept cannot be defined on usual row matrices or column matrices. These matrices will play a major role when studying a problem which needs multi fuzzy neutrosophic models.

– W. B. Vasantha Kandasamy, Florentin Smarandache

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Florentin Smarandache: **Introduction to Neutrosophic Measure, Neutrosophic Integral, and Neutrosophic Probability**. Craiova, Romania: Sitech Education, 2013, 140 p.

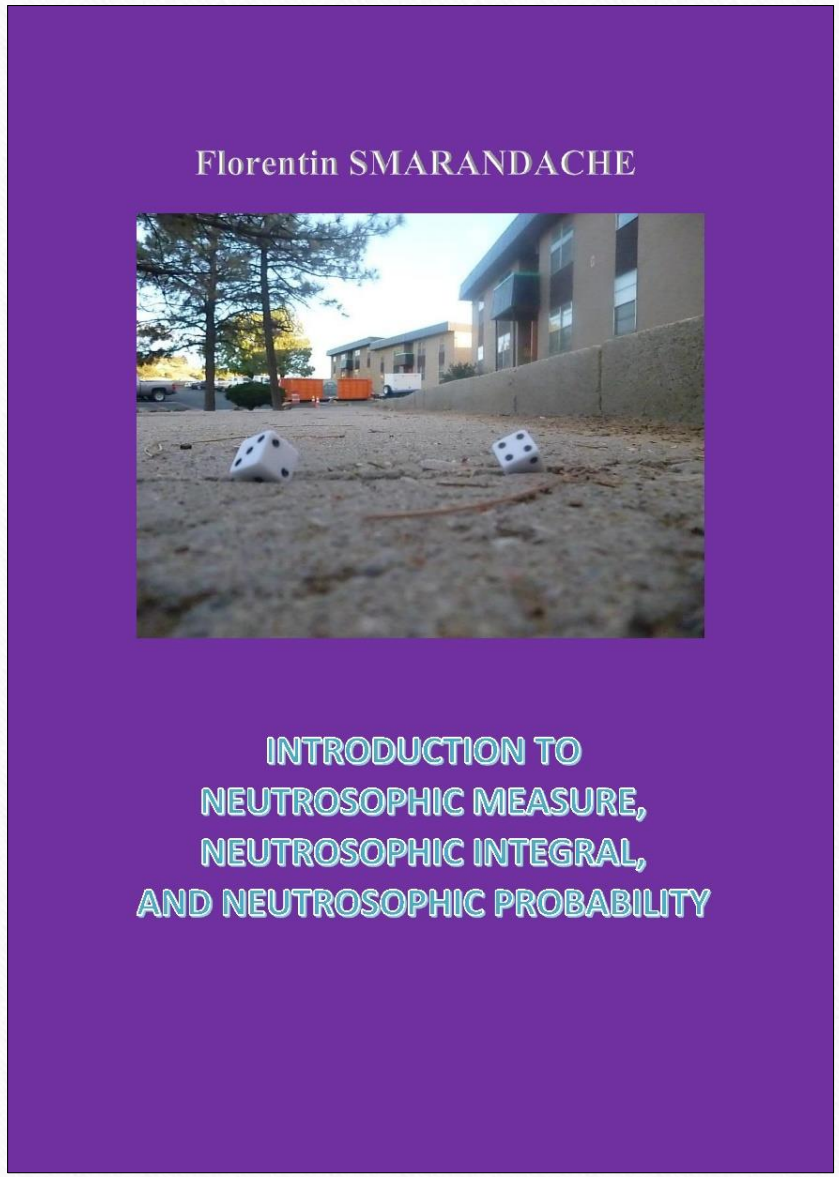
Keywords: Neutrosophic Set, Neutrosophic Measure, Neutrosophic Measure Space, Normalized Neutrosophic Measure, Neutrosophic Axiom, Non-Negativity, Neutrosophic Probability Measure.

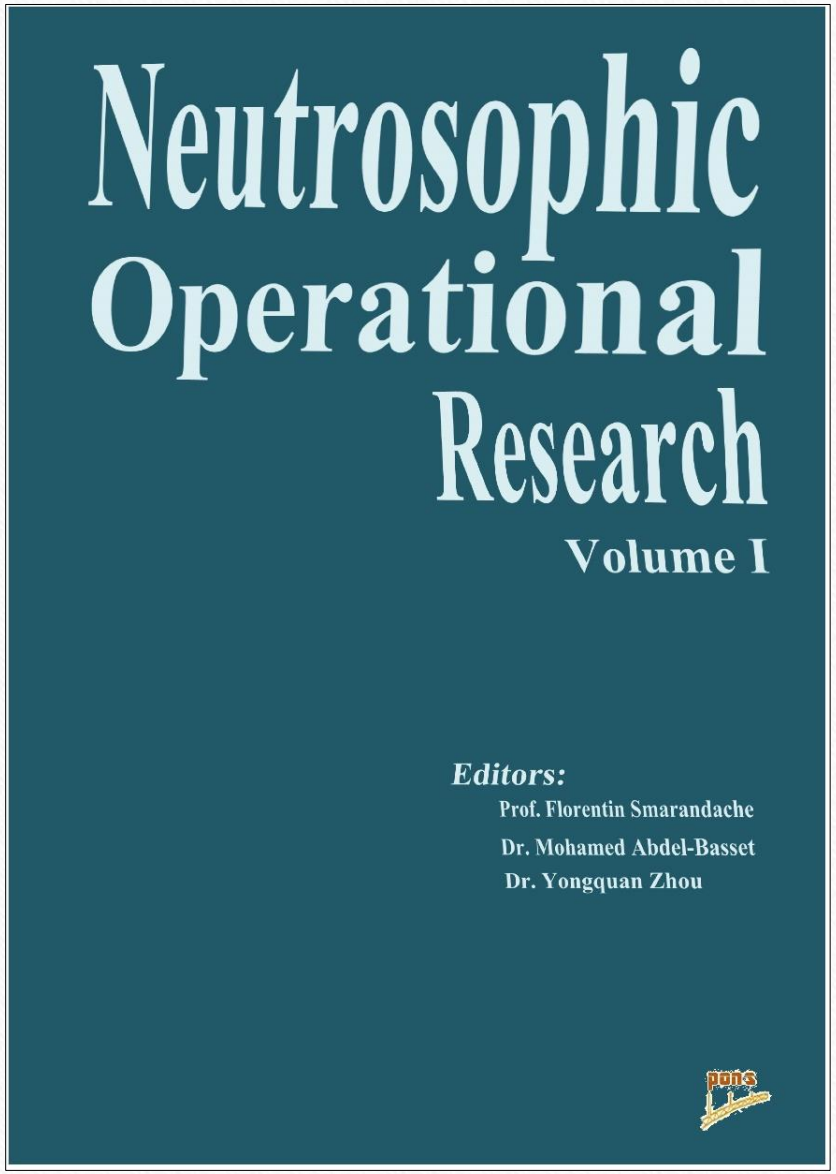
We now introduce for the first time the notions of neutrosophic measure and neutrosophic integral. We develop the 1995 notion of neutrosophic probability and give many practical examples. Neutrosophic Science means development and applications of neutrosophic logic/set/measure/integral/probability etc. and their applications in any field. It is possible to define the neutrosophic measure and consequently the neutrosophic integral and neutrosophic probability in many ways, because there are various types of indeterminacies, depending on the problem we need to solve. Indeterminacy is different from randomness. Indeterminacy can be caused by physical space materials and type of construction, by items involved in the space, or by other factors.

Neutrosophic measure is a generalization of the classical measure for the case when the space contains some indeterminacy. Neutrosophic probability is a generalization of the classical and imprecise probabilities. Several classical probability rules are adjusted in the form of neutrosophic probability rules. Finally, the neutrosophic probability is extended to n-valued refined neutrosophic probability.

– Florentin Smarandache

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Prof. Florentin Smarandache, Dr. Mohamed Abdel-Basset, Dr. Yongquan Zhou (ed.): **Neutrosophic Operational Research**. *First Volume. Foreword by John R. Edwards. Preface by the Editors*. Brussels, Belgium: Pons, 2017, 210 p.

Keywords: Linear Programming Problem, Neutrosophic Sets, Integer Programming, Single Valued Triangular Neutrosophic Number, Single Valued Neutrosophic Set, Neutrosophic Optimization, Cylindrical Skin Plate Design.

This book is an excellent exposition of the use of Data Envelopment Analysis (DEA) to generate data analytic insights to make evidence-based decisions, to improve productivity, and to manage cost-risk and benefit-opportunity in public and private sectors.

The design and the content of the book make it an up-to-date and timely reference for professionals, academics, students, and employees, in particular those involved in strategic and operational decision-making processes to evaluate and prioritize alternatives to boost productivity growth, to optimize the efficiency of resource utilization, and to maximize the effectiveness of outputs and impacts to stakeholders.

It is concerned with the alleviation of world changes, including changing demographics, accelerating globalization, rising environmental concerns, evolving societal relationships, growing ethical and governance concern, expanding the impact of technology; some of these changes have impacted negatively the economic growth of private firms, governments, communities, and the whole society.

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http://fs.unm.edu/NeutrosophicOperationalResearch.pdf

W. B. Vasantha Kandasamy, Florentin Smarandache: **Algebraic Structures on Real and Neutrosophic Semi Open Squares**. Columbus, OH, USA: Educational Publisher, 2014, 206 p.

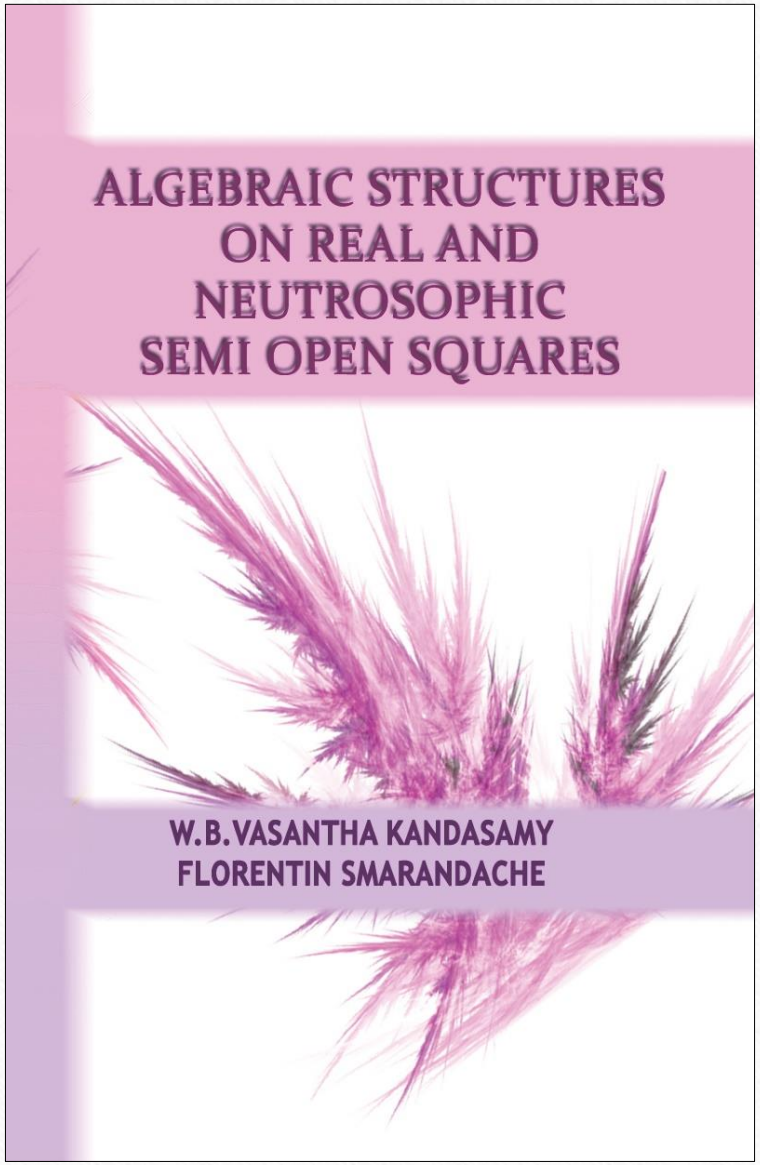
Keywords: Neutrosophic Set, Algebraic Structures, Semi Open Real Square, Real Neutrosophic Squares, Semirings, Pseudo Rings, Real Neutrosophic Squares.

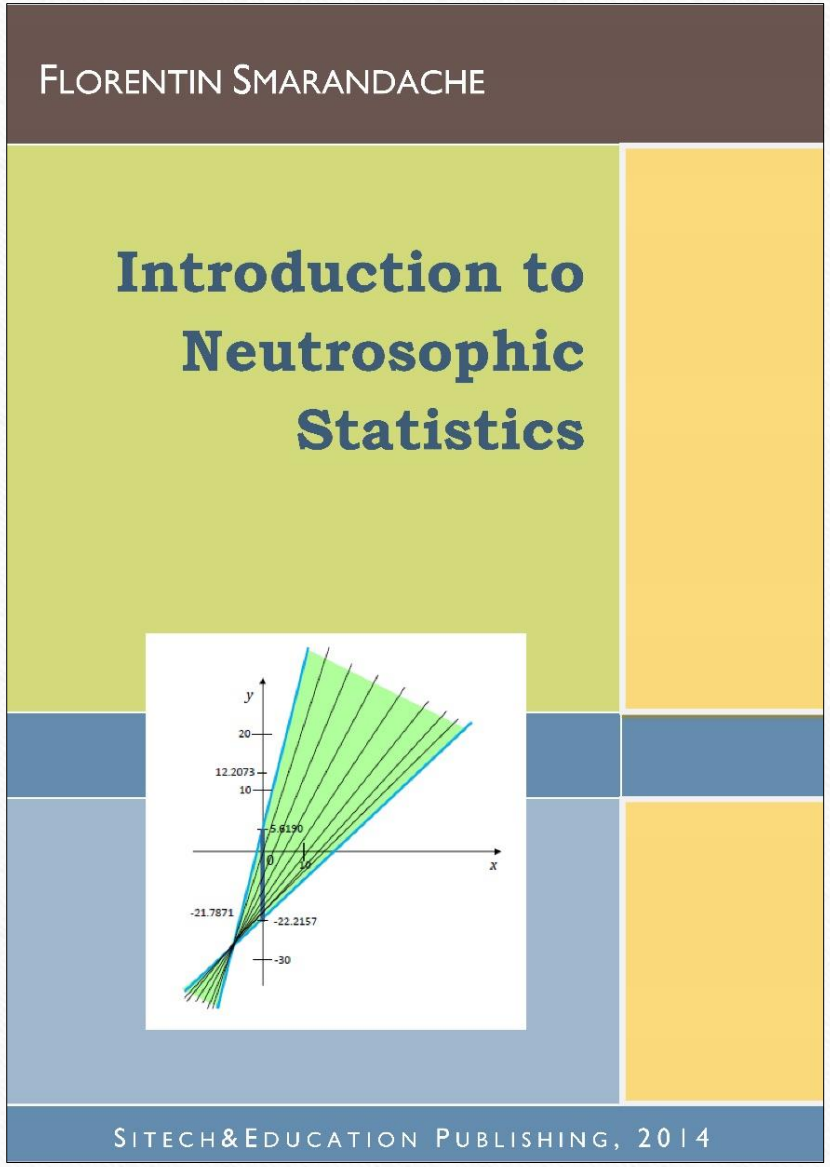
Here for the first time we introduce the semi open square using modulo integers. Authors introduce several algebraic structures on them. These squares under addition modulo 'n' is a group and however under product × this semi open square is only a semigroup as under × the square has infinite number of zero divisors. Apart from + and × we define min and max operation on this square. Under min and max operation this semi real open square is a semiring.

We define the new type of ring call pseudo ring. Finally we define S-vector spaces and S-pseudo linear algebras using them. This concept will in due course of time find lots of applications. Several open problems are suggested for interested researchers.

– W. B. Vasantha Kandasamy, Florentin Smarandache

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Florentin Smarandache: **Introduction to Neutrosophic Statistics**. Craiova, Romania & Columbus, OH, USA: Sitech & Educational Publishing, 2014, 123 p.

Keywords: Neutrosophic Probability, Neutrosophic Logic, Neutrosophic Set, Neutrosophic Measure, Neutrosophic Integral, Neutrosophic Quartiles, Neutrosophic Sample, Neutrosophic Numerical Measures, Classical Neutrosophic Numbers, Neutrosophic Random Numbers, Neutrosophic Data, Neutrosophic Binomial Distribution, Neutrosophic Multinomial Distribution.

Although the neutrosophic statistics has been defined since 1996, and published in the 1998 book Neutrosophy. / Neutrosophic Probability, Set, and Logic, it has not been developed since now. A similar fate had the neutrosophic probability that, except a few sporadic articles published in the meantime, it was barely developed in the 2013 book "Introduction to Neutrosophic Measure, Neutrosophic Integral, and Neutrosophic Probability".

Neutrosophic Statistics is an extension of the classical statistics, and one deals with set values instead of crisp values. Any quantity computed with some indeterminacy from values in a sample (i.e. not exactly) is a neutrosophic statistics. A neutrosophic statistic is a random variable and as such has a neutrosophic probability distribution. The long-run behaviour of a neutrosophic statistic's values is described when one computes this statistic for many different samples, each of the same size. Neutrosophic Statistics is an extension of the classical statistics. While in classical statistics the data is known, formed by crisp numbers, in neutrosophic statistics the data has some indeterminacy.

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Florentin Smarandache (ed.): **Neutrosophic Theory and Its Applications**. *Collected Papers. First Volume*. Brussels, Belgium: EuropaNova, 2014, 479 p.

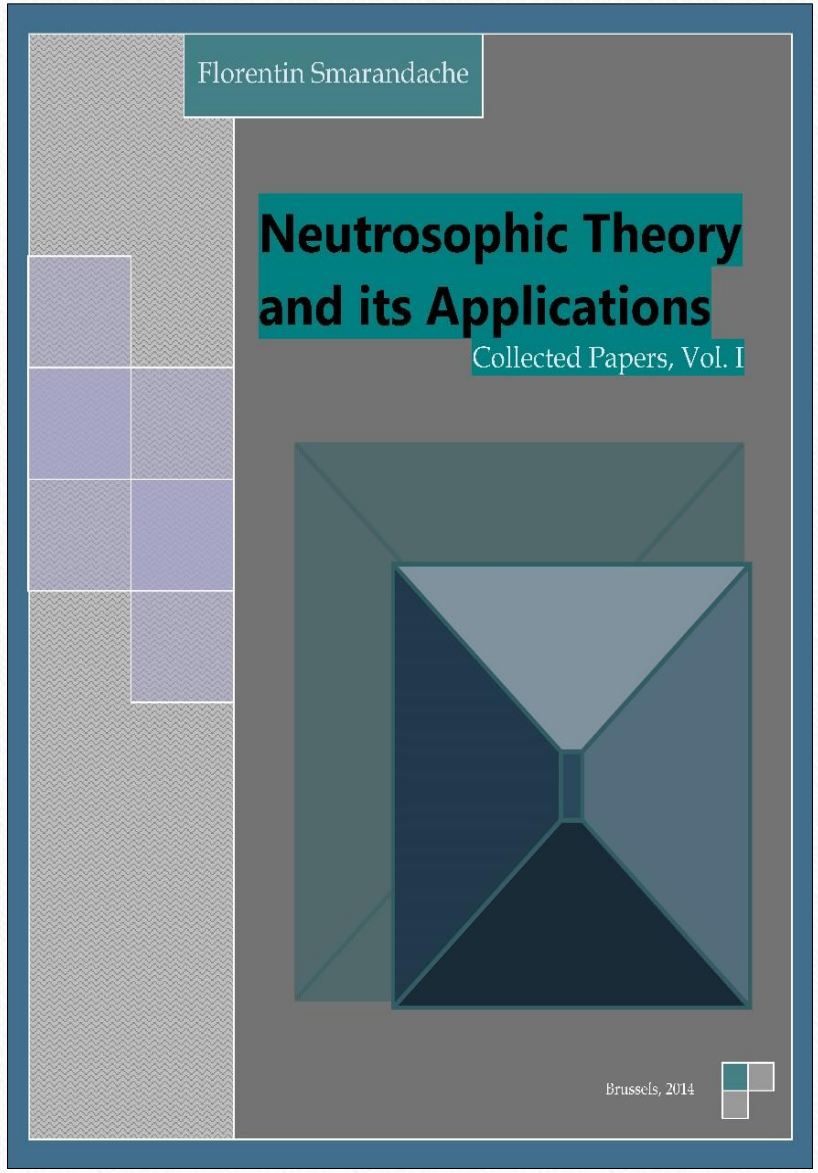
Keywords: Neutrosophic Theory, Neutrosophic Set, Neutrosophic Masses, Intuitionistic Fuzzy Set, Refined Neutrosophic Logic, Robotics, Correlation Coefficient, Interval Neutrosophic Set.

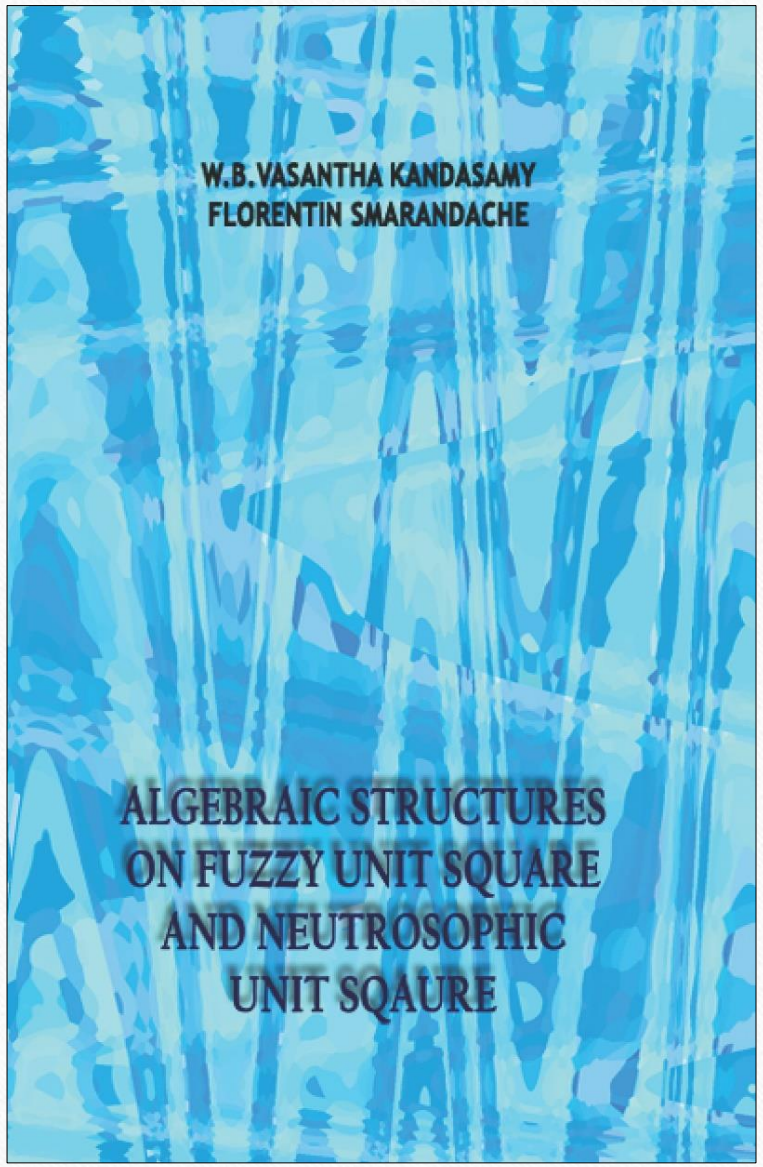
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Neutrosophic Theory means Neutrosophy applied in many fields in order to solve problems related to indeterminacy. Neutrosophy considers every entity <A> together with its opposite or negation <antiA>, and with their spectrum of neutralities <neutA> in between them (i.e. entities supporting neither <A> nor <antiA>). Where <neutA>, which of course depends on <A>, can be indeterminacy, neutrality, tie (game), unknown, vagueness, contradiction, ignorance, incompleteness, imprecision, etc.

Hence, in one hand, the Neutrosophic Theory is based on the triad <A>, <neutA>, and <antiA>. In the other hand, Neutrosophic Theory studies the indeterminacy in general, labelled as I, with In = I for $n \geq 1$, and mI + nI = (m+n)I, in neutrosophic structures developed in algebra, geometry, topology etc.

This volume contains 45 papers, written by the author alone or in collaboration with the following co-authors: Mumtaz Ali, Said Broumi, Sukanto Bhattacharya, Mamoni Dhar, Irfan Deli, Mincong Deng, Alexandru Gal, Valeri Kroumov, Pabitra Kumar Maji, Maikel Leyva-Vazquez, Feng Liu, Pinaki Majumdar, Munazza Naz, Karina Perez-Teruel, Rıdvan Sahin, A. A. Salama, Muhammad Shabir, Rajshekhar Sunderraman, Luige Vladareanu, Magdalena Vladila, Stefan Vladutescu, Haibin Wang, Hongnian Yu, Yan-Qing Zhang.





W. B. Vasantha Kandasamy, Florentin Smarandache: **Algebraic Structures on Fuzzy Unit Square and Neutrosophic Unit Square**. Columbus, OH, USA: Educational Publisher, 2014, 221 p.

Keywords: Linear Algebras, Neutrosophic Set, Algebraic Structures, Fuzzy Unit Square, Fuzzy Neutrosophic Semigroups, Fuzzy Neutrosophic Groups, Fuzzy Neutrosophic Semirings.

In this book authors build algebraic structures on fuzzy unit semi open square UF = {(a, b) | a, b ε [0, 1)} and on the fuzzy neutrosophic unit semi open square UN = {a + bI | a, b ε [0, 1)}.

This study is new and we define, develop and describe several interesting and innovative theories about them. We cannot build ring on UN or UF. We have only pseudo rings of infinite order. We also build pseudo semirings using these semi open unit squares.

We construct vector spaces, S-vector spaces and strong pseudo special vector space using UF and UN. As distributive laws are not true we are not in a position to develop several properties of rings, semirings and linear algebras. Several open conjectures are proposed.

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http://fs.unm.edu/NeutrosophicUnitSquare.pdf

A. A. Salama, Florentin Smarandache: **Neutrosophic Crisp Set Theory**. Columbus, OH, USA: Educational Publisher, 2015, 182 p.

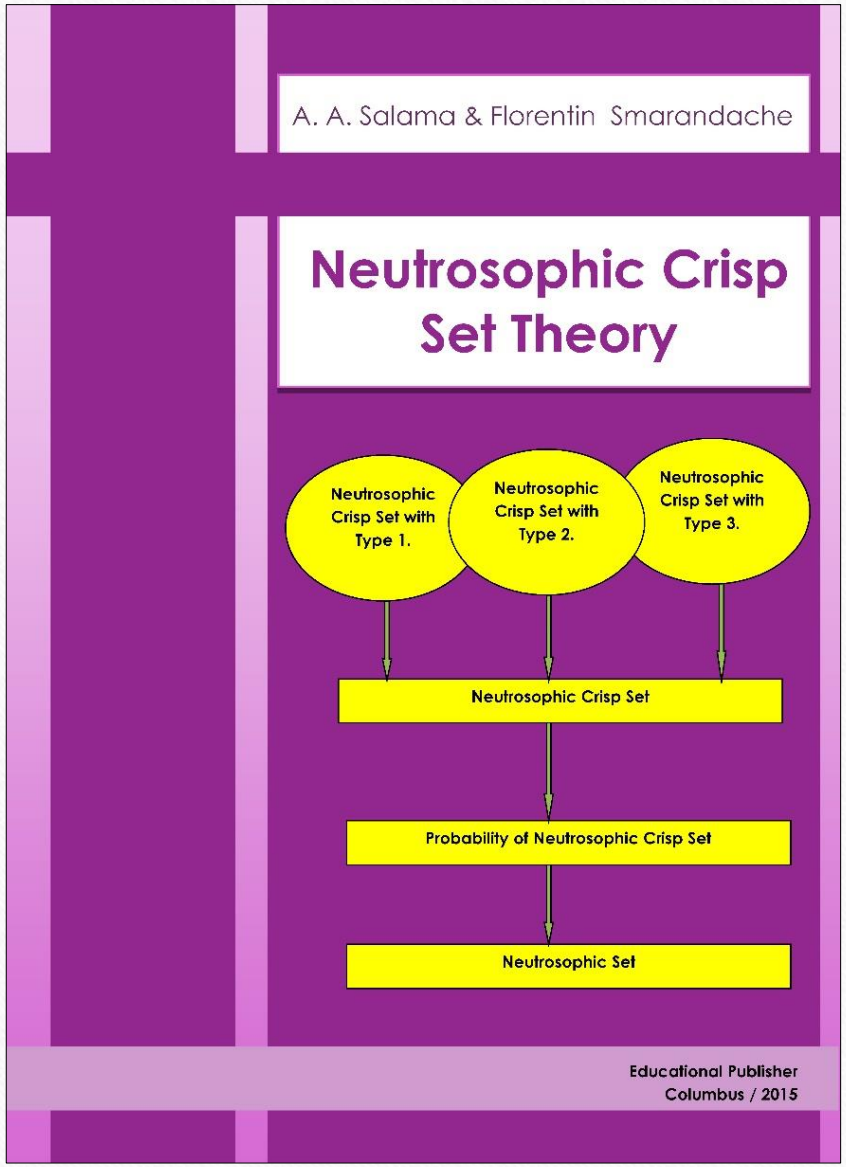
Keywords: Neutrosophic Science, Neutrosophic Set, Neutrosophic Topology, Crisp Sets, Neutrosophic Logic, Neutrosophic Set, Neutrosophic Measure, Neutrosophic Probability.

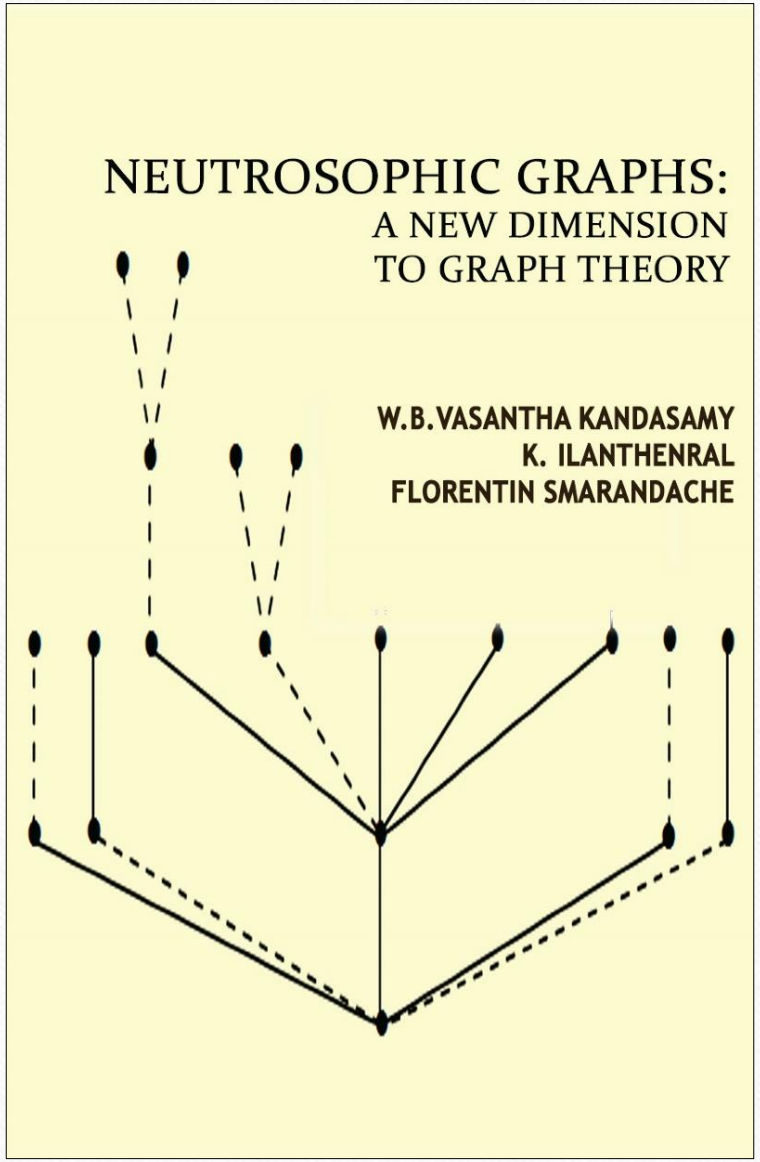
Since the world is full of indeterminacy, the Neutrosophics found their place into contemporary research. We now introduce for the first time the notions of Neutrosophic Crisp Sets and Neutrosophic Topology on Crisp Sets.

We develop the 2012 notion of Neutrosophic Topological Spaces and give many practical examples. Neutrosophic Science means development and applications of Neutrosophic Logic / Set / Measure / Integral / Probability etc. and their applications in any field.

It is possible to define the Neutrosophic Measure and consequently the Neutrosophic Integral and Neutrosophic Probability in many ways, because there are various types of indeterminacies, depending on the problem we need to solve. Indeterminacy is different from randomness. Indeterminacy can be caused by physical space materials and type of construction, by items involved in the space, or by other factors.

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http://fs.unm.edu/NeutrosophicCrispSetTheory.pdf





W. B. Vasantha Kandasamy, K. Ilanthenral, Florentin Smarandache: **Neutrosophic Graphs: A New Dimension to Graph Theory**. Brussels, Belgium: EuropaNova, 2015, 125 p.

Keywords: Graph Theory, Neutrosophic Graphs, Neutrosophic Tree, Neutrosophic Cognitive Maps, Neutrosophic Relational Maps, Neutrosophic Relational Equations.

In this book authors for the first time have made a through study of neutrosophic graphs. This study reveals that these neutrosophic graphs give a new dimension to graph theory. The important feature of this book is it contains over 200 neutrosophic graphs to provide better understanding of this concepts.

Further these graphs happen to behave in a unique way inmost cases, for even the edge colouring problem is different from the classical one. Several directions and dimensions in graph theory are obtained from this study.

Finally certainly these new notions of neutrosophic graphs in general and in particular the bipartite neutrosophic graphs and neutrosophic trees follow special format distinctly different from the usual graphs. Positively these can find applications in data mining and in other various engineering problems which has indeterminacy associated with it.

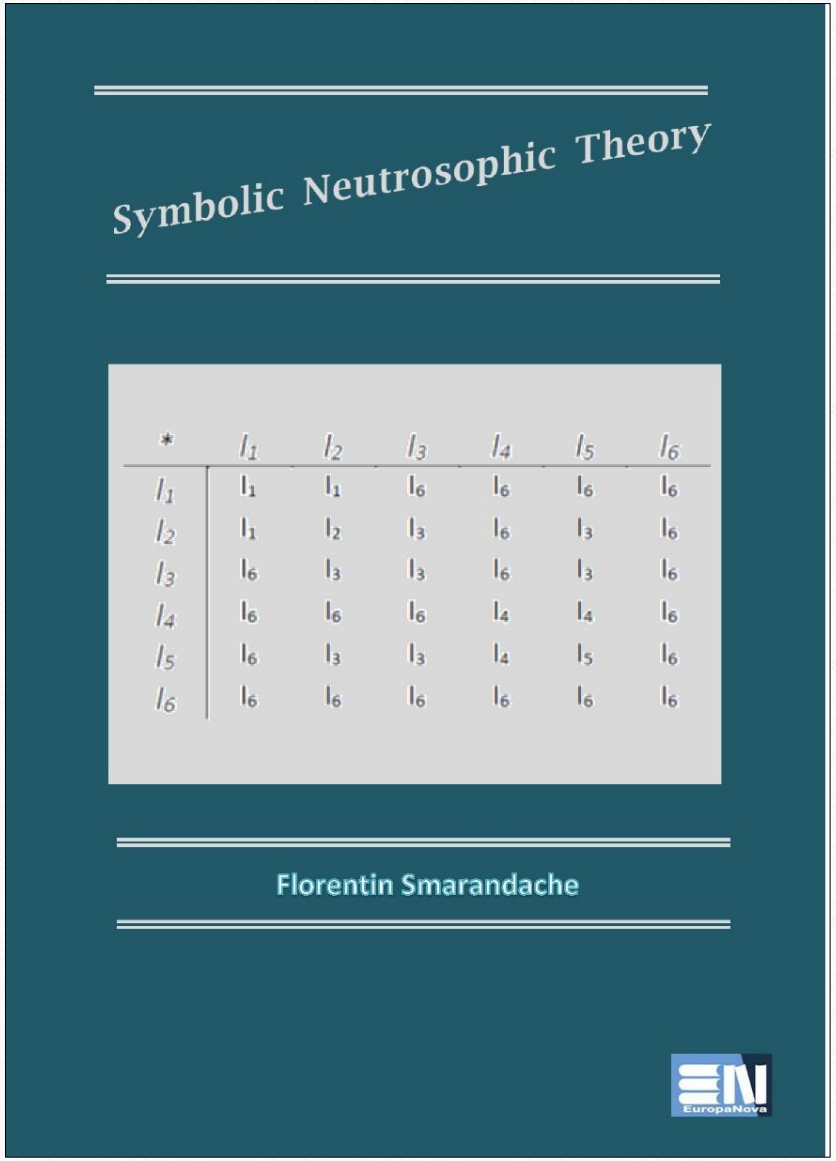
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http://fs.unm.edu/NeutrosophicGraphs.pdf

Florentin Smarandache: **Symbolic Neutrosophic Theory**. Brussels, Belgium: EuropaNova, 2015, 194 p.

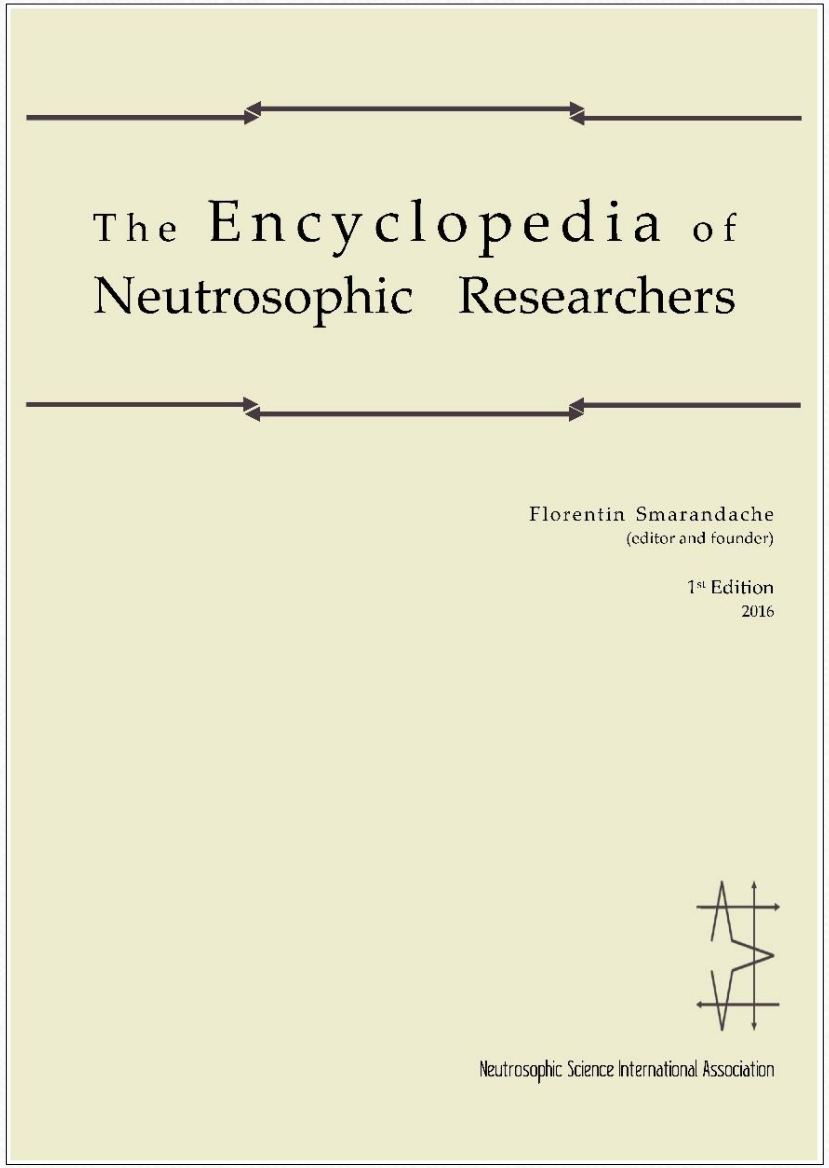
Keywords: (t, i, f)-Neutrosophic Structures, Neutrosophic Set, Neutrosophic Numerical Components, Neutrosophic Literal Components, Neutrosophic Numbers, Thesis-antithesis-neutrothesis-neutrosynthesis, Neutrosophic Axiom, Neutrosophic Deducibility, Neutrosophic Axiomatic System.

Symbolic (or Literal) Neutrosophic Theory is referring to the use of abstract symbols (i.e. the letters T, I, F, or their refined indexed letters Tj, Ik, Fl) in neutrosophics.

We extend the dialectical triad thesis-antithesis-synthesis (dynamics of <A> and <antiA>, to get a synthesis) to the neutrosophic tetrad thesis-antithesis-neutrothesis-neutrosynthesis (dynamics of <A>, <antiA>, and <neutA>, in order to get a neutrosynthesis). We introduce the neutrosophic system and neutrosophic dynamic system. A neutrosophic system is a quasi- or (t,i,f)–classical system, in the sense that the neutrosophic system deals with quasi-terms/concepts/attributes, etc. [or (t,i,f)-terms/concepts/attributes], which are approximations of the classical terms/concepts/attributes, i.e. they are partially true/membership/probable (t%), partially indeterminate (i%), and partially false/nonmembership/improbable (f%), where t,i,f are subsets of the unitary interval [0,1]. We introduce for the first time the notions of Neutrosophic Axiom, Neutrosophic Deducibility, Neutrosophic Axiomatic System, Degree of Contradiction (Dissimilarity) of Two Neutrosophic Axioms, etc. We make a short history of: the neutrosophic set, neutrosophic numerical components and neutrosophic literal components, neutrosophic numbers, etc. The aim of this chapter is to construct examples of splitting the literal indeterminacy (I) into literal sub-indeterminacies (I1,I2,…,Ir), and to define a multiplication law of these literal sub-indeterminacies in order to be able to build refined I-neutrosophic algebraic structures.



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http://fs.unm.edu/SymbolicNeutrosophicTheory.pdf



Florentin Smarandache (ed.): **The Encyclopedia of Neutrosophic Researchers**. *First Volume*. Gallup, NM, USA: Neutrosophic Science International Association, 2016, 275 p.

Keywords: Neutrosophy, Neutrosophic Set, Neutrosophic Logic, Neutrosophic Probability, Neutrosophic Statistics, Neutrosophic Measure, Neutrosophic Precalculus, Neutrosophic Calculus.

This is the first 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.

Neutrosophy considers a proposition, theory, event, concept, or entity, "A" in relation to its opposite, "Anti-A" and that which is not A, "Non-A", and that which is neither "A" nor "Anti-A", denoted by "Neut-A".

Neutrosophy is the basis of neutrosophic logic, neutrosophic probability, neutrosophic set, and neutrosophic statistics.

Neutrosophic Logic is a general framework for unification of many existing logics, such as fuzzy logic (especially intuitionistic fuzzy logic), paraconsistent logic, intuitionistic logic, etc. The main idea of NL is to characterize each logical statement in a 3D-Neutrosophic Space, where each dimension of the space represents respectively the truth (T), the falsehood (F), and the indeterminacy (I) of the statement under consideration, where T, I, F are standard or non-standard real subsets of]-0, 1+[with not necessarily any connection between them.

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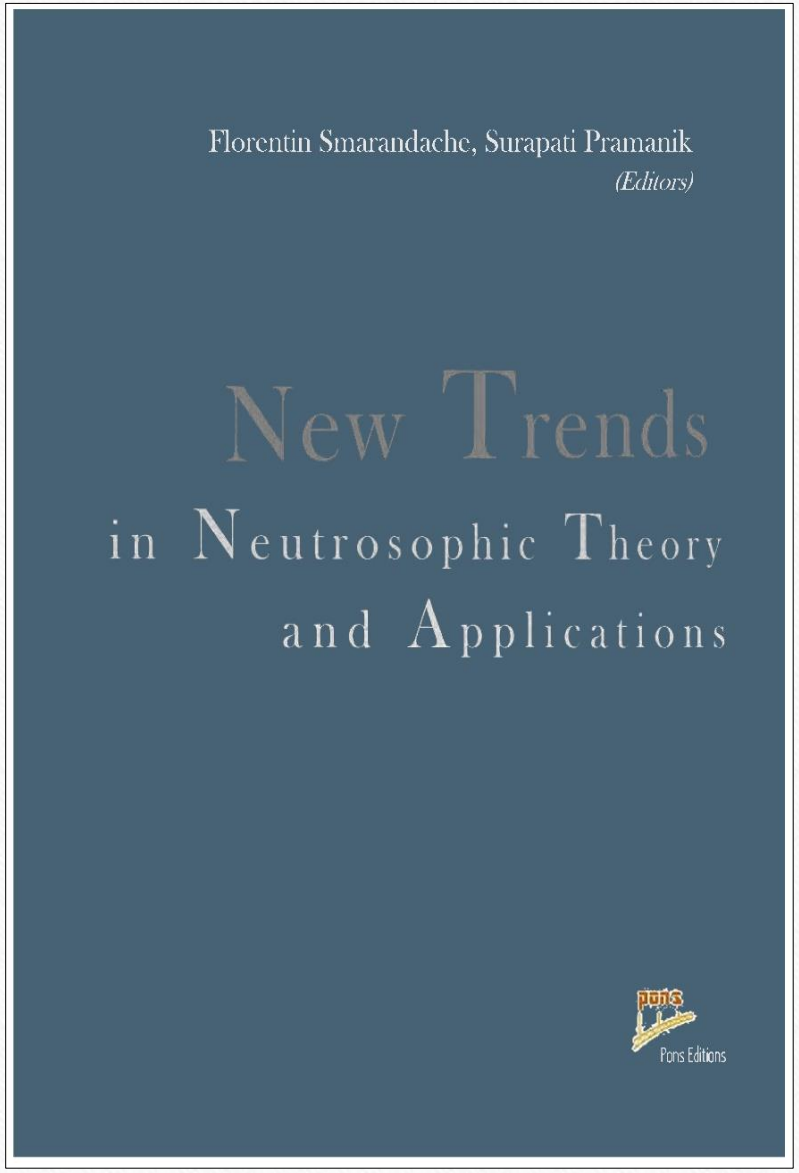
Florentin Smarandache, Surapati Pramanik (ed.): **New Trends in Neutrosophic Theory and Applications**. Brussels, Belgium: Pons, 2016, 424 p.

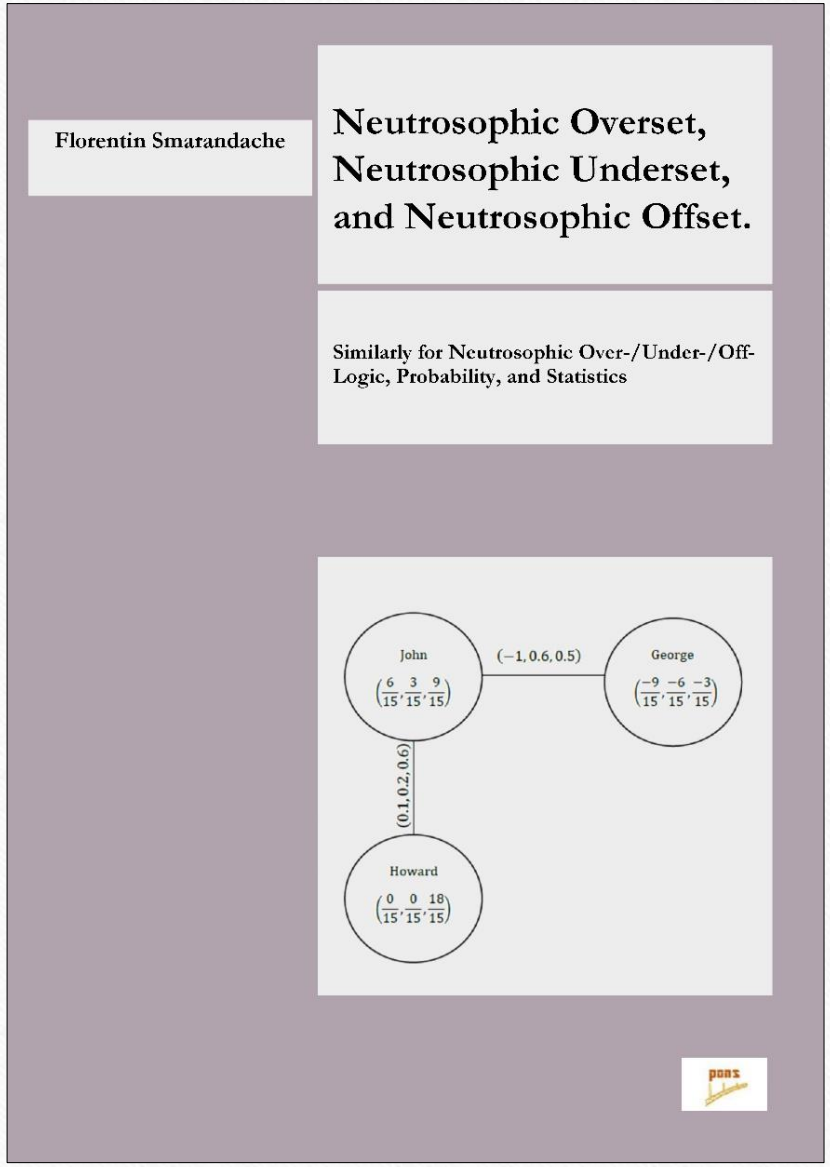
Keywords: Absolute Theory of Relativity, Parameterized Special Theory of Relativity, No speed barrier, Noninertial Multirelativity.

Neutrosophic theory and applications have been expanding in all directions at an astonishing rate especially after the introduction the journal entitled "Neutrosophic Sets and Systems". New theories, techniques, algorithms have been rapidly developed. One of the most striking trends in the neutrosophic theory is the hybridization of neutrosophic set with other potential sets such as rough set, bipolar set, soft set, hesitant fuzzy set, etc. The different hybrid structure such as rough neutrosophic set, single valued neutrosophic rough set, bipolar neutrosophic set, single valued neutrosophic hesitant fuzzy set, etc. are proposed in the literature in a short period of time. Neutrosophic set has been a very important tool in all various areas of data mining, decision making, e-learning, engineering, medicine, social science, and some more.

The book "New Trends in Neutrosophic Theories and Applications" focuses on theories, methods, algorithms for decision making and also applications involving neutrosophic information. Some topics deal with data mining, decision making, elearning, graph theory, medical diagnosis, probability theory, topology, and some more.

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Florentin Smarandache: **Neutrosophic Overset, Neutrosophic Underset, and Neutrosophic Offset. Similarly for Neutrosophic Over-/Under-/Off-Logic, Probability, and Statistics**. Brussels, Belgium: Pons, 2016, 168 p.

Keywords: Neutrosophic Logic, Neutrosophic Overset, Neutrosophic Underset, Neutrosophic Offset, Neutrosophic Set, Neutrosophic Matrix, Complex Neutrosophic Set, Neutrosophic Overtopology, Neutrosophic Undertopology, Neutrosophic Offtopology.

Neutrosophic Over--/Under-/Off-Set and -Logic were defined for the first time by the author in 1995 and presented to various international and national conferences and seminars between 1995-2016 and first time published in 2007. They are totally different from other sets/logics/probabilities/statistics. Smarandache extended the neutrosophic set respectively to Neutrosophic Overset {when some neutrosophic component is > 1}, Neutrosophic Underset {when some neutrosophic component is < 0}, and to Neutrosophic Offset {when some neutrosophic components are off the interval [0, 1], i.e. some neutrosophic component > 1 and other neutrosophic component < 0}.

Therefore, the membership degrees > 1 and < 0 are real in our world, so we have to take them into consideration. Then, similarly, the Neutrosophic Logic / Measure / Probability / Statistics etc. were extended to respectively Neutrosophic Over- / Under- / Off -Logic, -Measure, -Probability, -Statistics etc. Many practical obvious examples are presented in this book, in order to show that in our everyday life we continuously deal with neutrosophic over-/under-/off- theory and applications.

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http://fs.unm.edu/NeutrosophicOversetUndersetOffset.pdf

Florentin Smarandache: **Neutrosophic Precalculus and Neutrosophic Calculus**. *Arabic version by Huda E. Khalid, Ahmed K. Essa*. Mosul, Iraq: Neutrosophic Science International Association – Iraqi Branch, 2016, 112 p.

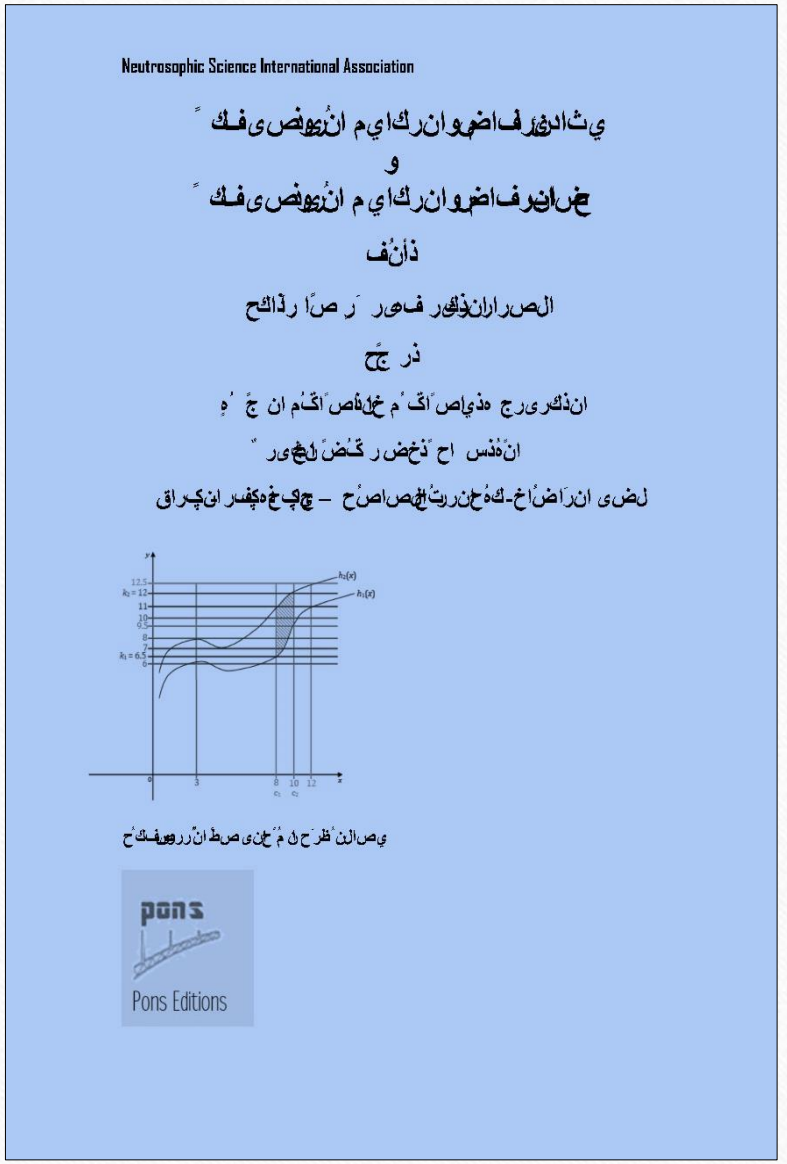
Keywords: Neutrosophic Set, Neutrosophic Precalculus, Neutrosophic Calculus, Neutrosophic Model.

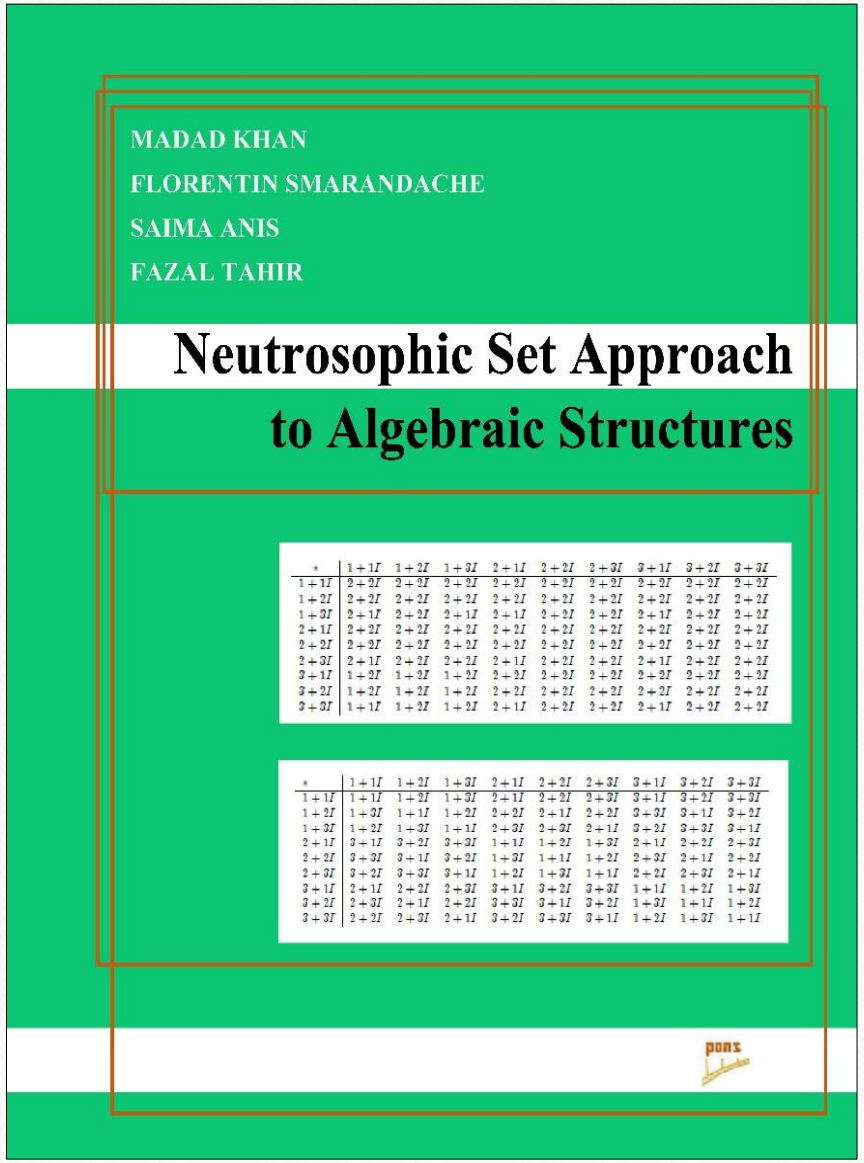
The first part of this book focuses on Neutrosophic Precalculus, which studies the neutrosophic functions. A Neutrosophic Function $f:A\to B$ is a function which has some indeterminacy, with respect to its domain of definition, to its range, or to its relationship that associates elements in A with elements in B. As particular cases, we present the neutrosophic exponential function and neutrosophic logarithmic function. The neutrosophic inverse function is the inverse of a neutrosophic function. A Neutrosophic Model is, in the same way, a model with some indeterminacy (vagueness, un sureness, ambiguity, incompleteness, contradiction, etc.).

The second part of the book focuses on Neutrosophic Calculus, which studies the neutrosophic limits, neutrosophic derivatives, and neutrosophic integrals.

The last part of this book deals with the new version of binomial factorial theorem containing the literal indeterminacy (I), this theorem owns three corollaries. However, more than one new theorem had been presented and proved with their corollaries. New ten forms of (indeterminate forms) had been derived, this ten indeterminate forms take an important role in limits.

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Madad Khan, Florentin Smarandache, Saima Anis, Fazal Tahir: **Neutrosophic Set Approach to Algebraic Structures**. Brussels, Belgium: Pons, 2016, 234 p.

Keywords: Neutrosophic Set, Algebraic Structure, Neutrosophic Ideal, AG-groupoids, Neutrosophic Minimal Ideals, Neutrosophic Regularities, Neutrosophic M-systems, Neutrosophic bi-ideal, Neutrosophic Semigroup, Neutrosophic Rings.

This book consists of seven chapters. In chapter one we introduced neutrosophic ideals (bi, quasi, interior, (m,n) ideals) and discussed the properties of these ideals. Moreover, we characterized regular and intra-regular AG-groupoids using these ideals. In chapter two we introduced neutrosophic minimal ideals in AG-groupoids and discussed several properties. In chapter three, we introduced different neutrosophic regularities of AG-groupoids. Further we discussed several condition where these classes are equivalent. In chapter four, we introduced neutrosophic M-systems and neutrosophic p-systems in non-associative algebraic structure and discussed their relations with neutrosophic ideals. In chapter five, we introduced neutrosophic strongly regular AG-groupoids and characterized this structure using neutrosophic ideals. In chapter six, we introduced the concept of neutrosophic ideal, neutrosophic prime ideal, neutrosophic bi-ideal and neutrosophic quasi ideal of a neutrosophic semigroup. With counter example we have shown that the union and product of two neutrosophic quasi-ideals of a neutrosophic semigroup need not be a neutrosophic quasi-ideal of neutrosophic semigroup. We have also shown that every neutrosophic bi-ideal of a neutrosophic semigroup need not be a neutrosophic quasi-ideal of a neutrosophic semigroup. We have also characterized the regularity and intra-regularity of a neutrosophic semigroup. In chapter seven, we introduced neutrosophic left almost rings and discussed several properties using their neutrosophic ideals.

– Madad Khan, Florentin Smarandache

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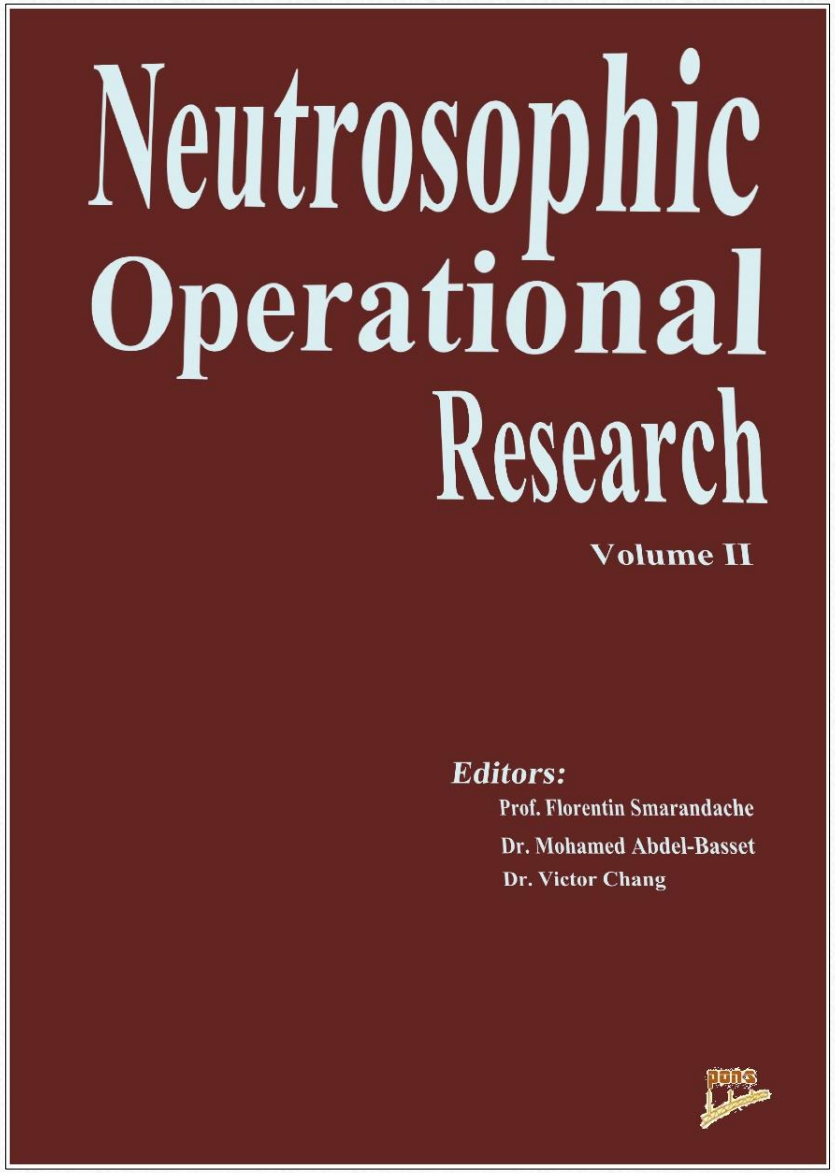
Prof. Florentin Smarandache, Dr. Mohamed Abdel-Basset, Dr. Victor Chang (ed.): **Neutrosophic Operational Research**. *Second Volume. Foreword by John R. Edwards. Preface by the Editors.* Brussels, Belgium: Pons, 2017, 275 p.

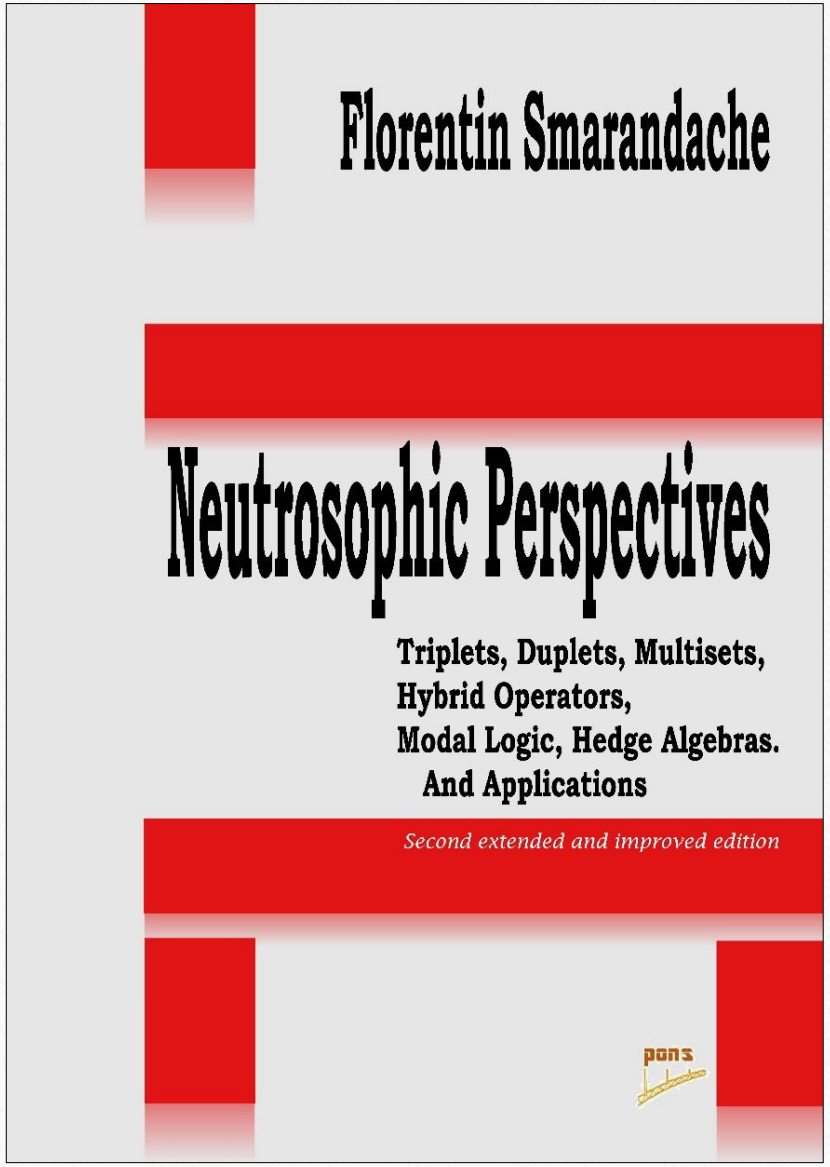
Keywords: Neutrosophy, Neutrosophic Duplets, Neutrosophic Duplet Structures, Neutrosophic Multisets, Neutrosophic Multi-Criteria Decision-Making, Data Envelopment Analysis, Neutrosophic group, Neutrosophic ring, Neutrosophic R-module, Weak neutrosophic R-module, Strong neutrosophic R-module, Neutrosophic R-module homomorphism.

This book is an excellent exposition of the use of Data Envelopment Analysis (DEA) to generate data analytic insights to make evidence-based decisions, to improve productivity, and to manage cost-risk and benefit-opportunity in public and private sectors. The design and the content of the book make it an up-to-date and timely reference for professionals, academics, students, and employees, in particular those involved in strategic and operational decision-making processes to evaluate and prioritize alternatives to boost productivity growth, to optimize the efficiency of resource utilization, and to maximize the effectiveness of outputs and impacts to stakeholders. It is concerned with the alleviation of world changes, including changing demographics, accelerating globalization, rising environmental concerns, evolving societal relationships, growing ethical and governance concern, expanding the impact of technology; some of these changes have impacted negatively the economic growth of private firms, governments, communities, and the whole society.

– John R. Edwards

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Florentin Smarandache: **Neutrosophic Perspectives: Triplets, Duplets, Multisets, Hybrid Operators, Modal Logic, Hedge Algebras. And Applications.** *Second extended and improved edition*. Brussells, Belgium: Pons, 2017, 335 p.

Keywords: Neutrosophy, Neutrosophic Duplets, Neutrosophic Duplet Structures, Neutrosophic Multisets, Neutrosophic Hedge Algebras, Neutrosophic Multi-Criteria Decision-Making, Neutrosophic Psychology, Neutrosophic Geographical Function, Target Identification, Neutrosophic Dynamic Systems, Neutrosophic Quantum Computers, Neutrosophic Theory of Evolution, Neutrosophic Triplet Structures.

This book is part of the book-series dedicated to the advances of neutrosophic theories and their applications, started by the author in 1998. Its aim is to present the last developments in the field. This is the second extended and improved edition of Neutrosophic Perspectives (September 2017; first edition was published in June 2017).

For the first time, we now introduce: Neutrosophic Duplets and the Neutrosophic Duplet Structures; Neutrosophic Multisets (as an extension of the classical multisets); Neutrosophic Spherical Numbers; Neutrosophic Overnumbers / Undernumbers / Offnumbers; Neutrosophic Indeterminacy of Second Type; Neutrosophic Hybrid Operators (where the heterogeneous t-norms and t-conorms may be used in designing neutrosophic aggregations); Neutrosophic Triplet Loop; Neutrosophic Triplet Function; Neutrosophic Modal Logic; and Neutrosophic Hedge Algebras.

The Refined Neutrosophic Set / Logic / Probability were introduced in 2013 by F. Smarandache. Since year 2016 a new interest has been manifested by researchers for the Neutrosophic Triplets and their corresponding Neutros-ophic Triplet Algebraic Structures (introduced by F. Smarandache & M. Ali). Subtraction and Division of Neutrosophic Numbers were introduced by F. Smarandache - 2016, and Jun Ye – 2017.

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Florentin Smarandache, Surapati Pramanik (ed.): **Neutrosophic Precalculus and Neutrosophic Calculus.** *Second enlarged edition*. Brussels, Belgium: Pons Editions, 2018, 176 p.

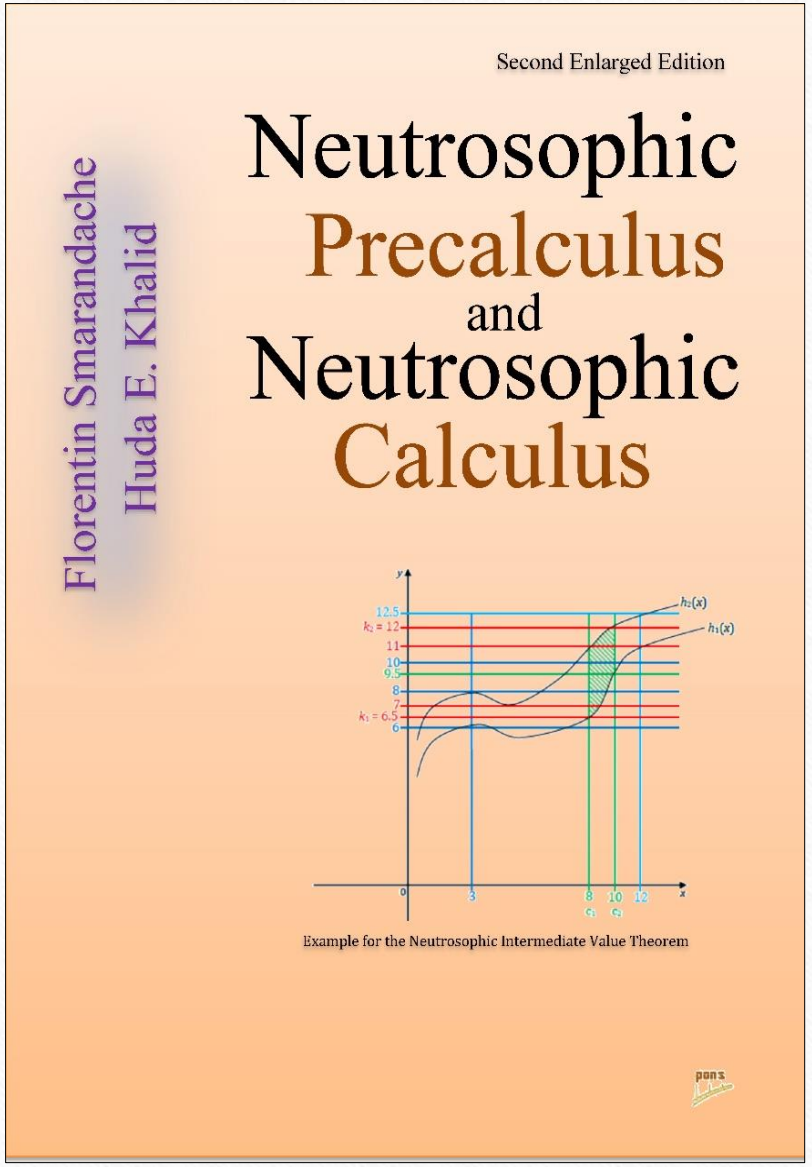
Keywords: Neutrosophic Set, Neutrosophic Precalculus, Neutrosophic Calculus, Neutrosophic Model.

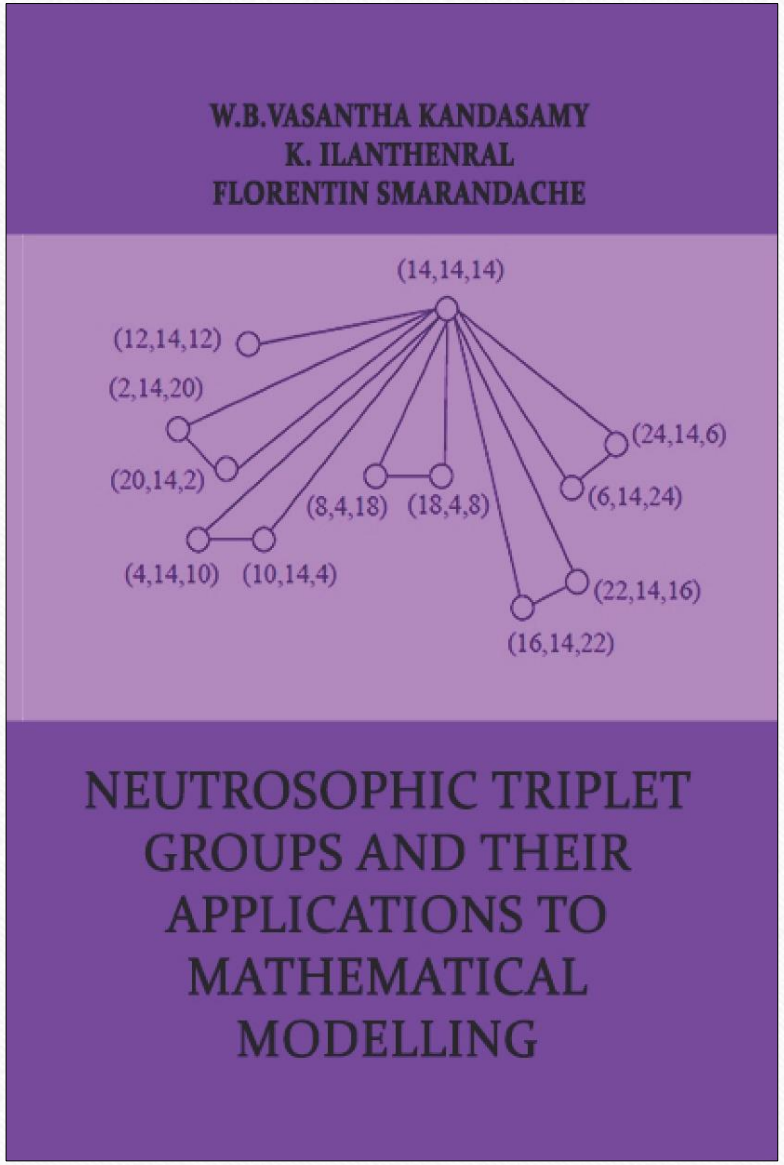
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W. B. Vasantha Kandasamy, Ilanthenral K., Florentin Smarandache: **Neutrosophic Triplet Groups and their Applications to Mathematical Modelling**. Brussels, Belgium: EuropaNova, 2017, 266 p.

Keywords: Neutrosophy, Neutrosophic Set, Neutrosophic Triplet Group, Neutrosophic Graph Theory, Cayley tables, Mathematical Modelling, Artificial Neural Network, Fuzzy Cognitive Map, Neutrosophic Cognitive Map, Fuzzy Relational Map.

The innovative notion of neutrosophic triplet groups, introduced by Smarandache and Ali in 2014-2016, happens to yield the anti-element and neutral element once the element is given. It is established that the neutrosophic triplet group collection forms the classical group under product for Zn, for some specific n. However the collection is not even closed under sum. These neutrosophic triplet groups are built using only modulo integers or Cayley tables. Several interesting properties related with them are defined. It is pertinent to record that in Zn, when n is a prime number, we cannot get a neutral element which can contribute to nontrivial neutrosophic triplet groups. Further, all neutral elements in Zn are only nontrivial idempotents.

We define these new operations mainly to construct mathematical models akin to Fuzzy Cognitive Maps (FCMs) model, Neutrosophic Cognitive Maps (NCMs) model and Fuzzy Relational Maps (FRMs) model. These new models are defined in chapter four of this book. These new models can find applications in discrete Artificial Neural Networks, soft computing, and social network analysis whenever the concept of indeterminate is involved.

– W. B. Vasantha Kandasamy, Ilanthenral K., Florentin Smarandache

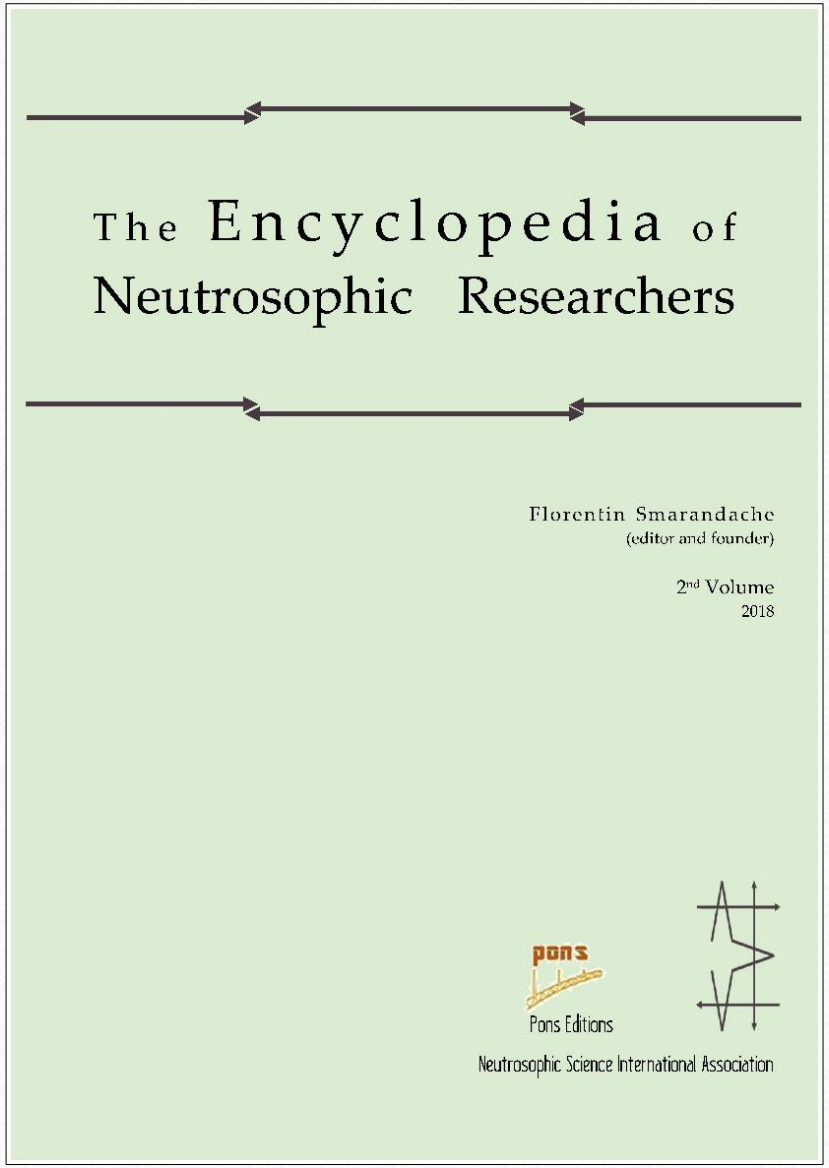
Download from The Science Library at University of New Mexico – Gallup:
http://fs.unm.edu/NeutrosophicTripletApplications.pdf

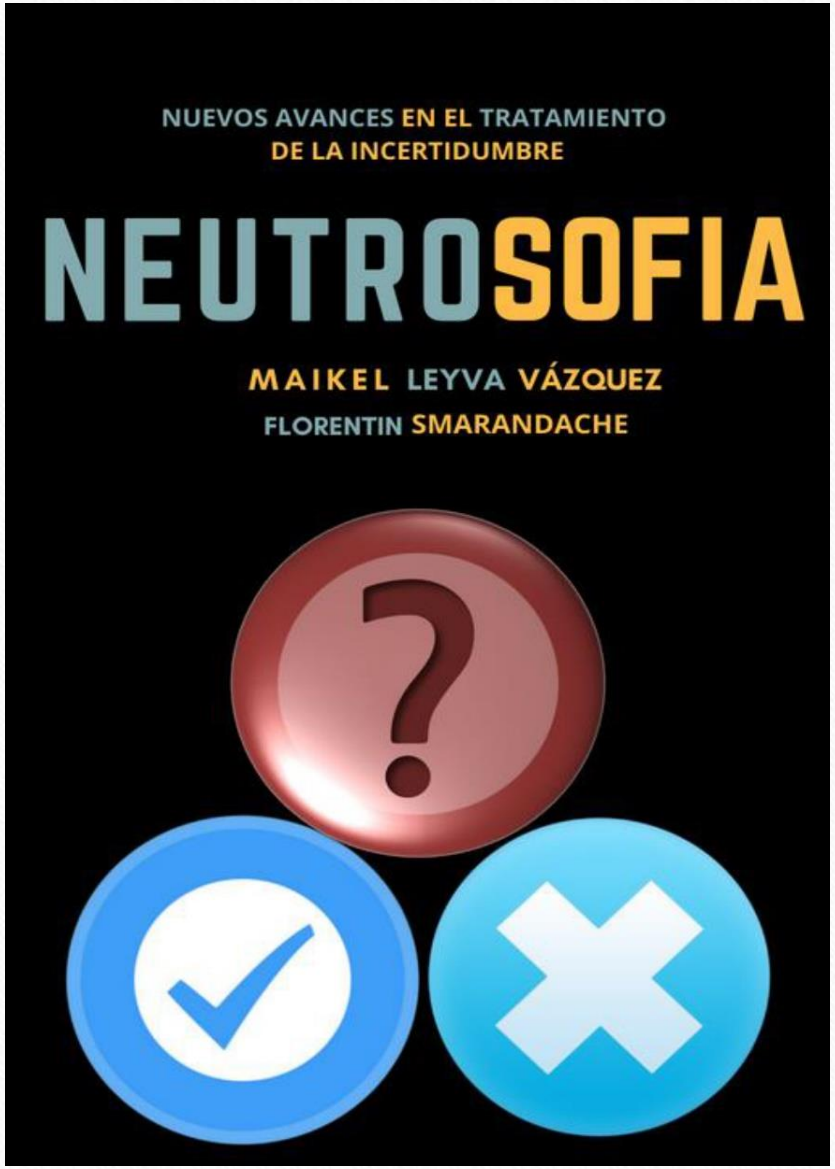
Florentin Smarandache (ed.): **The Encyclopedia of Neutrosophic Researchers.** *Second Volume*. Gallup, NM, USA: Neutrosophic Science International Association, 2018, 109 p.

Keywords: Neutrosophy, Neutrosophic Set, Neutrosophic Logic, Neutrosophic Probability, Neutrosophic Statistics, Neutrosophic Measure, Neutrosophic Precalculus, Neutrosophic Calculus.

This is the second volume of the Encyclopedia of Neutrosophic Researchers, edited from materials offered by the authors who responded to the editor's invitation. The authors are listed alphabetically, and represent the following countries: Angola, Argentina, P.R. China, Denmark, Dominican Republic, Ecuador, Egypt, India, Iraq, Iran, Jordan, South Korea, Morocco, Nigeria, Pakistan, Romania, Serbia, Syria, Turkey, S.R. Vietnam. The introduction contains an updated history of neutrosophics, together with links to the most important papers and books. Neutrosophic set, neutrosophic logic, neutrosophic probability, neutrosophic statistics, neutrosophic measure, neutrosophic precalculus, neutrosophic calculus and so on are gaining significant attention in solving many real life problems that involve uncertainty, impreciseness, vagueness, incompleteness, inconsistent, and indeterminacy. In the past years, the fields of neutrosophics have been extended and applied in various fields, such as: artificial intelligence, data mining, soft computing, decision making in incomplete / indeterminate / inconsistent information systems, image processing, computational modelling, robotics, medical diagnosis, biomedical engineering, investment problems, economic forecasting, social science, humanistic and practical achievements.

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Maikel Leyva Vázquez, Florentin Smarandache: **Neutrosofía: Nuevos avances en el tratamiento de la incertidumbre**. Brussels, Belgium: Pons, 2018, 74 p.

Keywords: Neutrosophy, Neutrosophic Set, Decision Making, Neutrosophic Graph Theory, Mapas cognitivos neutrosóficos, Conjuntos neutrosóficos.

La neutrosofía es una nueva rama de la filosofía la cual estudia el origen, naturaleza y alcance de las neutralidades creada por el Profesor Florentin Smarandache. La lógica y los conjuntos neutrosóficos por su parte, constituyen una generalización de la lógica y los conjuntos difusos de Zadeh, y especialmente de la lógica intuicionista de Atanassov, con múltiples aplicaciones en el campo de la toma de decisiones, segmentación de imágenes y aprendizaje automático, por citar solo algunos ejemplos.

El presente libro muestra los avances en la neutrosofía llevados al idioma español. Además, presenta implementaciones computacionales utilizando los cuadernos de Jupyter. Constituye un avance a la aplicación de la neutrosofía en distintas situaciones prácticas. Es un avance en especial para el público para los hispanoparlantes. El capítulo 1 aborda la introducción a la neutrosofía y su evolución. El capítulo 2 está dedicado a distintos modelos de toma de decisiones. El capítulo 3 por su parte es dedicado a los modelos de recomendación basados en conocimiento y el capítulo 4 a los mapas cognitivos neutrosóficos.

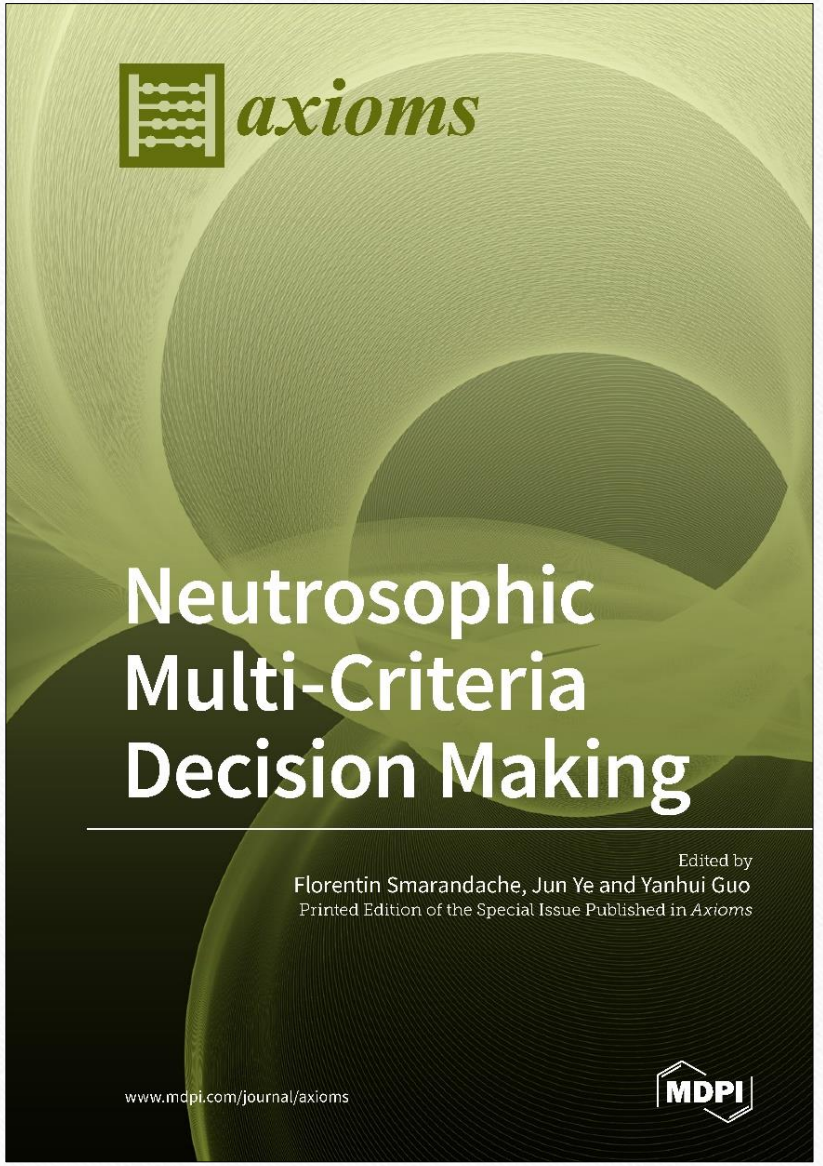
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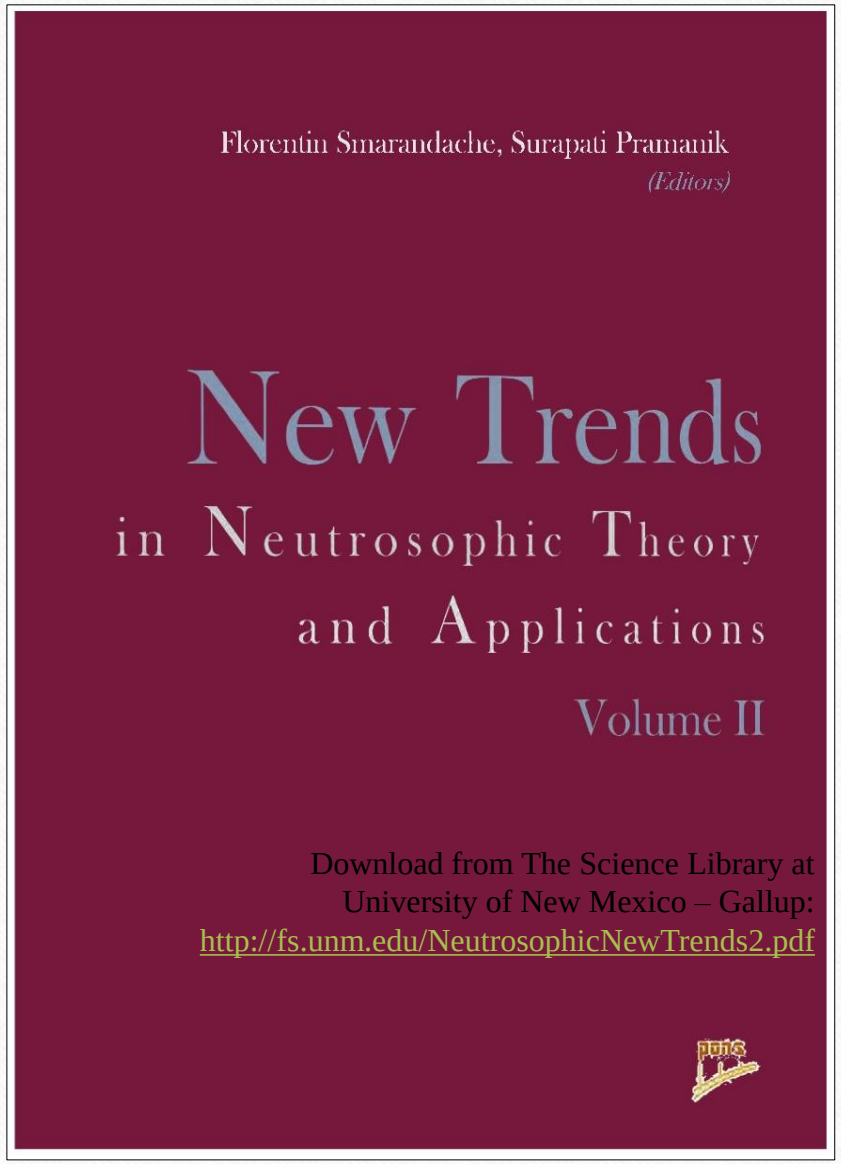
Florentin Smarandache, Jun Ye, Yanhui Guo (ed.): **Neutrosophic Multi-Criteria Decision Making**. Basel, Switzerland: MDPI, 2018, 206 p.

Keywords: Neutrosophy, Neutrosophic Set, Decision Making, Neutrosophic Graph Theory, Image Processing, Probability Theory, Topology, Neutrosophic Soft Set, Rough Neutrosophic Set, Neutrosophic Bipolar Set, Neutrosophic Expert Set, Rough Bipolar Neutrosophic Set, Neutrosophic Hesitant Fuzzy Set.

The notion of a neutrosophic quadruple BCK/BCI-number is considered, and a neutrosophic quadruple BCK/BCI-algebra, which consists of neutrosophic quadruple BCK/BCI-numbers, is constructed. Several properties are investigated, and a (positive implicative) ideal in a neutrosophic quadruple BCK-algebra and a closed ideal in a neutrosophic quadruple BCI-algebra are studied. Given subsets A and B of a BCK/BCI-algebra, the set NQ(A,B), which consists of neutrosophic quadruple BCK/BCI numbers with a condition, is established. Conditions for the set NQ(A,B) to be a (positive implicative) ideal of a neutrosophic quadruple BCK-algebra are provided, and conditions for the set NQ(A,B) to be a (closed) ideal of a neutrosophic quadruple BCI-algebra are given. Techniques for the order of preference by similarity to ideal solution (TOPSIS) and elimination and choice translating reality (ELECTRE) are widely used methods to solve multicriteria decision-making problems.

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http://fs.unm.edu/NeutrosophicMCDM-Axioms.pdf





Florentin Smarandache, Surapati Pramanik (ed.): **New Trends in Neutrosophic Theory and Applications**. *Second Volume*. Brussels, Belgium: Pons Editions, 2018, 469 p.

Keywords: Neutrosophy, Neutrosophic Set, Decision Making, Neutrosophic Graph Theory, Image Processing, Probability Theory, Topology, Neutrosophic Soft Set, Rough Neutrosophic Set, Neutrosophic Bipolar Set, Neutrosophic Expert Set, Rough Bipolar Neutrosophic Set, Neutrosophic Hesitant Fuzzy Set, Weighted Bonferroni Mean, Weighted Geometric Bonferroni Mean, Neutrosophic Information, Entropy, Neutro-Entropy, Anti-Entropy, Non-Entropy.

Neutrosophic set theory was proposed in 1998 by Florentin Smarandache, who also developed the concept of single valued neutrosophic set, oriented towards real world scientific and engineering applications. Since then, the single valued neutrosophic set theory has been extensively studied in books and monographs introducing neutrosophic sets and its applications, by many authors around the world. Also, an international journal - Neutrosophic Sets and Systems started its journey in 2013.

Single valued neutrosophic sets have found their way into several hybrid systems, such as neutrosophic soft set, rough neutrosophic set, neutrosophic bipolar set, neutrosophic expert set, rough bipolar neutrosophic set, neutrosophic hesitant fuzzy set, etc. Successful applications of single valued neutrosophic sets have been developed in multiple criteria and multiple attribute decision making.

This second volume collects original research and application papers from different perspectives covering different areas of neutrosophic studies, such as decision making, graph theory, image processing, probability theory, topology, and some theoretical papers.

This volume contains four sections: Decision Making, Neutrosophic Graph Theory, Image Processing, Algebra and Other Papers.

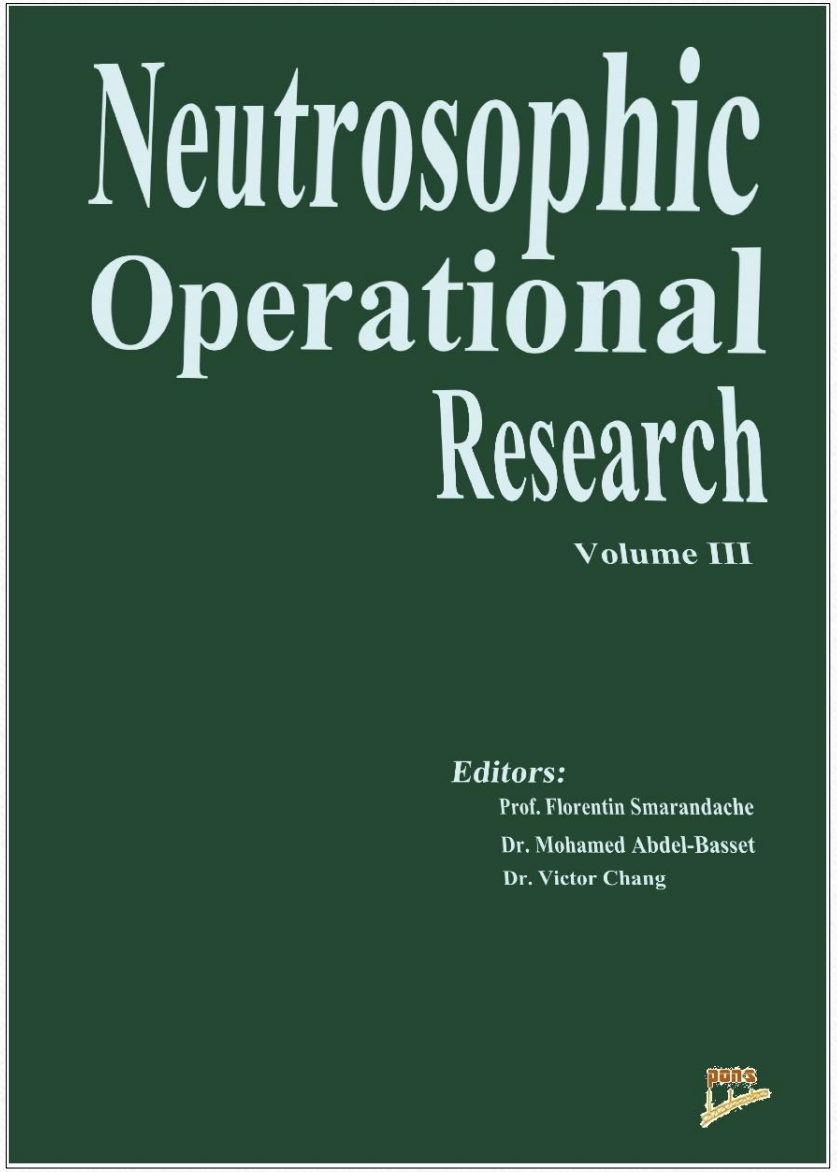
Prof. Florentin Smarandache, Dr. Mohamed Abdel-Basset, Dr. Victor Chang (ed.): **Neutrosophic Operational Research**. *Third Volume. Foreword by John R. Edwards. Preface by the editors.* Brussels, Belgium: Pons, 2018

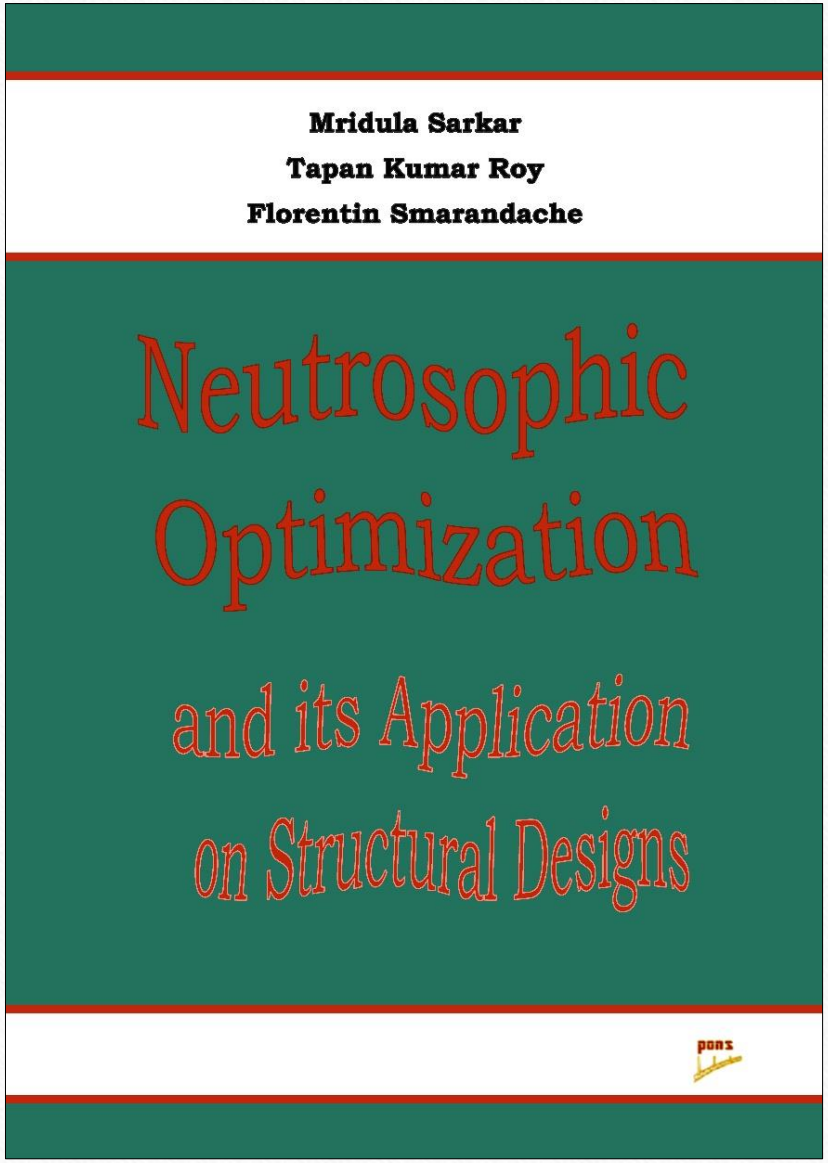
Keywords: Neutrosophic logic; Neutrosophic symbolic logic; Neutrosophic set; Neutrosophic probability; Neutrosophic statistics; Neutrosophic measure; Neutrosophic image processing; Neutrosophic information processing; Neutrosophic decision making; Neutrosophic data mining; Neutrosophic decision support systems; Neutrosophic computational modelling; Neutrosophic medical diagnosis.

This book is an excellent exposition of the use of Data Envelopment Analysis (DEA) to generate data analytic insights to make evidence-based decisions, to improve productivity, and to manage cost-risk and benefit-opportunity in public and private sectors. The design and the content of the book make it an up-to-date and timely reference for professionals, academics, students, and employees, in particular those involved in strategic and operational decision-making processes to evaluate and prioritize alternatives to boost productivity growth, to optimize the efficiency of resource utilization, and to maximize the effectiveness of outputs and impacts to stakeholders. It is concerned with the alleviation of world changes, including changing demographics, accelerating globalization, rising environmental concerns, evolving societal relationships, growing ethical and governance concern, expanding the impact of technology; some of these changes have impacted negatively the economic growth of private firms, governments, communities, and the whole society.

– John R. Edwards

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http://fs.unm.edu/NeutrosophicOperationalResearch3.pdf





Mridula Sarkar, Tapan Kumar Roy, Florentin Smarandache: **Neutrosophic Optimization and its Application on Structural Designs**. Brussels, Belgium: Pons, 2018, 332 p.

Keywords: Neutrosophic optimization, Structural Design, Non-linear Programming Problem, Truss Design Optimization, Welded Beam Structure, Jointed Plain Concrete Pavement.

In the real world, uncertainty or vagueness is prevalent in engineering and management computations. Commonly, such uncertainties are included in the design process by introducing simplified hypothesis and safety or design factors. In case of structural and pavement design, several design methods are available to optimize objectives. But all such methods follow numerous monographs, tables and charts to find effective thickness of pavement design or optimum weight and deflection of structure calculating certain loop of algorithm in the cited iteration process. Most of the time, designers either only take help of a software or stop the cited procedure even after two or three iterations. As for example, the finite element method and genetic algorithm type of crisp optimization method had been applied on the cited topic, where the values of the input parameters were obtained from experimental data in laboratory scale. But practically, above cited standards have already ranged the magnitude of those parameters in between maximum to the minimum values. As such, the designer becomes puzzled to select those input parameters from such ranges which actually yield imprecise parameters or goals with three key governing factors i.e. degrees of acceptance, rejection and hesitancy, requiring fuzzy, intuitionistic fuzzy, and neutrosophic optimization.

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http://fs.unm.edu/NeutrosophicOptimizationStructuralDesigns.pdf

Prof. Dr. Florentin Smarandache, Assist. Prof. Dr. Huda E. Khalid, Eng. Ahmed K. Essa (ed.): **Neutrosophic Logic: The Revolutionary Logic in Science and Philosophy**. *Proceedings of the National Symposium*. Brussels, Belgium: EuropaNova, 2018, 122 p.

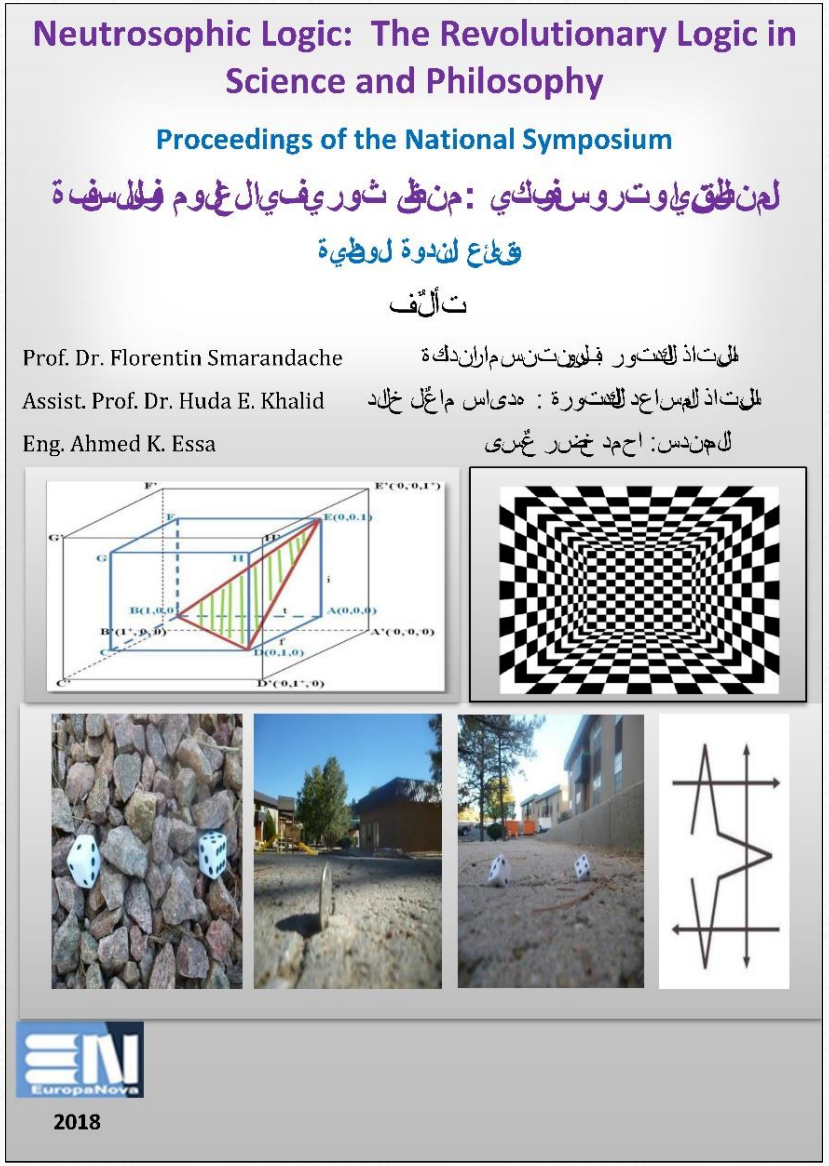
Keywords: Neutrosophy, Neutrosophic Scientific International Association, Telafer University, Neutrosophic Less Than Or Equal, Unconstrained Geometric Programming, Neutrosophic Theory, Neutrosophic Applications.

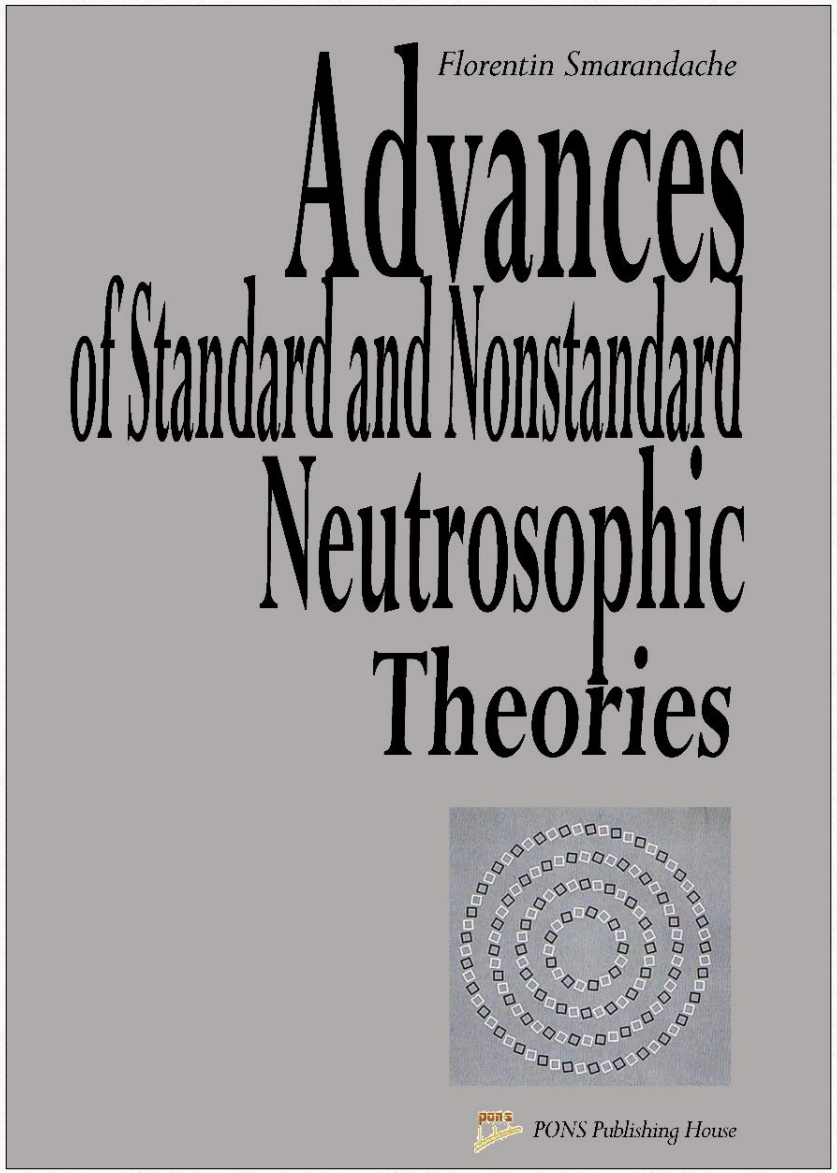
The first part of this book is an introduction to the activities of the National Symposium, as well as a presentation of Neutrosophic Scientific International Association (NSIA), based in New Mexico, USA, also explaining the role and scope of NSIA - Iraqi branch. The NSIA Iraqi branch presents a suggestion for the international instructions in attempting to organize NSIA's work.

In the second chapter, the pivots of the Symposium are presented, including a history of neutrosophic theory and its applications, the most important books and papers in the advancement of neutrosophics, a biographical note of Prof. Florentin Smarandache in Arabic language, and, at the end of the chapter, a relevant paper, entitled "The Concept of Neutrosophic Less Than or Equal: a New Insight in Unconstrained Geometric Programming".

In the third chapter, we add the posters announcing the Symposium, posted around the University of Mosul Campus. We present the invitation letter sent to mathematicians. In addition, some pictures are included, e.g. a picture of honorary shield that was awarded to the president of Telafer University, Prof. Abbas Y. Al-Bayati. Finally, a painting representing Dr. Florentin Smarandache, by an Iraqi painter, Khalid I. Al-Herran.

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Florentin Smarandache: **Advances of Standard and Nonstandard Neutrosophic Theories**. Brussels, Belgium & Gallup, NM, USA: Pons & Neutrosophic Science International Association, 2019, 307 p.

Keywords: Neutrosophic Set, Intuitionistic Fuzzy Set, Inconsistent Intuitionistic Fuzzy Set, Picture Fuzzy Set, Ternary Fuzzy Set, Pythagorean Fuzzy Set, Regret Theory, Grey System Theory, Three-Ways Decision, n-Ways Decision, Neutrosophy, Neutrosophication, Neutrosophic Probability, Refined Neutrosophy, Refined Neutrosophication, Nonstandard Analysis.

In this book, we approach different topics related to neutrosophics, such as: Atanassov's Intuitionistic Fuzzy Set of second type, Spherical Fuzzy Set, n-HyperSpherical Neutrosophic Set, q-Rung Orthopair Fuzzy Set, truth-membership, indeterminacy-membership, falsehood-nonmembership, Extended Nonstandard Analysis; Open and Closed Monads to the Left/Right; Pierced and Unpierced Binads; MoBiNad Set; infinitesimals; infinities; nonstandard reals; standard reals; Nonstandard Neutrosophic Lattices of First Type (as poset) and Second Type (as algebraic structure); Nonstandard Neutrosophic Logic; Extended Nonstandard Neutrosophic Logic; Nonstandard Arithmetic Operations; Nonstandard Unit Interval; Nonstandard Neutrosophic Infimum; Nonstandard Neutrosophic Supremum, Plithogeny; Plithogenic Set; Neutrosophic Set; Plithogenic Operators, Neutrosophic Triplets, (Axiom, NeutroAxiom, AntiAxiom), (Law, NeutroLaw, AntiLaw), (Associativity, NeutroAssociaticity, AntiAssociativity), (Commutativity, NeutroCommutativity, Anti-Commutativity), (WellDefined, NeutroDefined, AntiDefined), (Semi-group, NeutroSemigroup, AntiSemigroup), (Group, NeutroGroup, AntiGroup), (Ring, NeutroRing, AntiRing), (Algebraic Structures, NeutroAlgebraic Structures, AntiAlgebraic Structures), (Structure, NeutroStructure, AntiStructure), (Theory, NeutroTheory, AntiTheory), S-denying an Axiom, Multispace with Multistructure, and so on.

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http://fs.unm.edu/AdvancesOfStandardAndNonstandard.pdf

Florentin Smarandache (ed.): **The Encyclopedia of Neutrosophic Researchers**. *Third Volume*. Gallup, NM, USA: Neutrosophic Science International Association, 2019, 143 p.

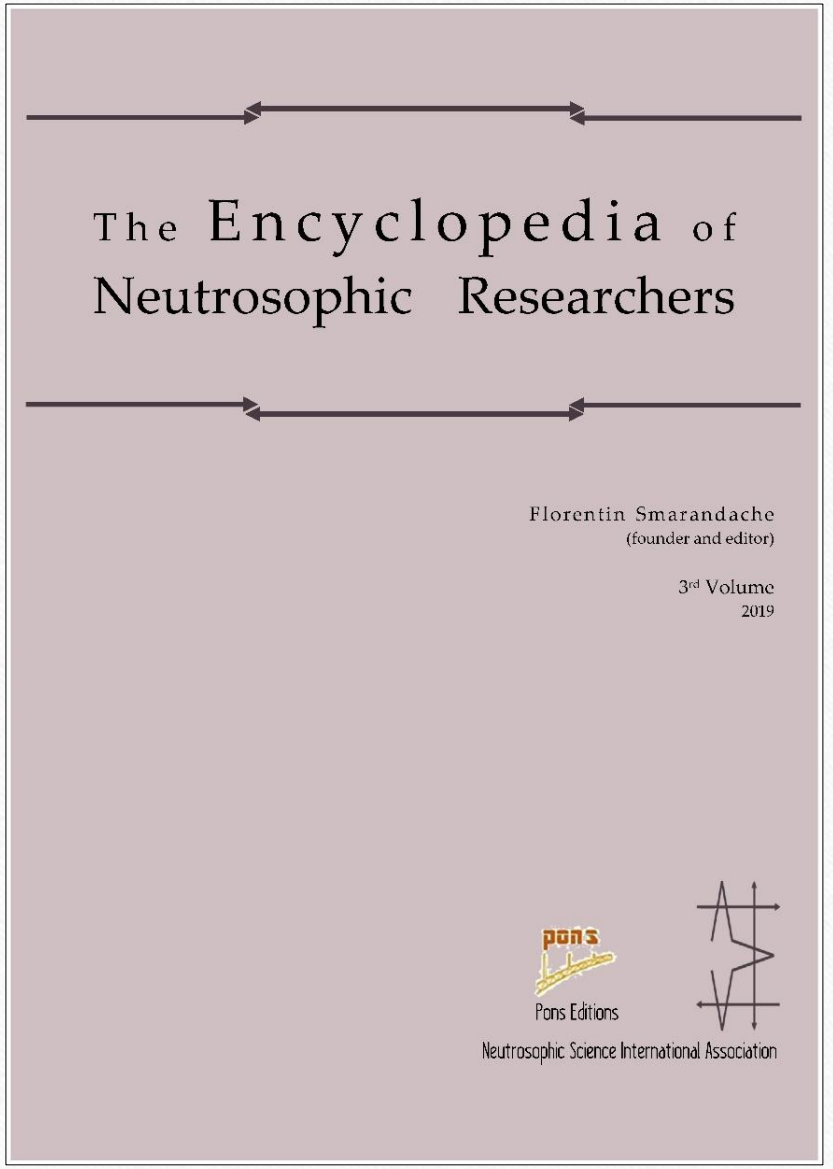
Keywords: Neutrosophy, Neutrosophic Set, Neutrosophic Logic, Neutrosophic Probability, Neutrosophic Statistics, Neutrosophic Measure, Neutrosophic Precalculus, Neutrosophic Calculus.

This is the third volume of the Encyclopedia of Neutrosophic Researchers, edited from materials offered by the authors who responded to the editor's invitation. The authors are listed alphabetically, and represent the following countries: Algeria, Bosnia and Herzegovina, P.R. China, Cuba, Egypt, India, Indonesia, Iran, Iraq, Lebanon, Malaysia, Morocco, Nigeria, Pakistan, Poland, Portugal, Romania, Russia, Saudi Arabia, Serbia, Turkey, S. R. Vietnam.

The introduction contains an updated history of neutrosophics, together with links to the most important papers and books. Neutrosophic set, neutrosophic logic, neutrosophic probability, neutrosophic statistics, neutrosophic measure, neutrosophic precalculus, neutrosophic calculus and so on are gaining significant attention in solving many real life problems that involve uncertainty, impreciseness, vagueness, incompleteness, inconsistent, and indeterminacy.

In the past years, the fields of neutrosophics have been extended and applied in various fields, such as: artificial intelligence, data mining, soft computing, decision making in incomplete / indeterminate / inconsistent information systems, image processing, computational modelling, robotics, medical diagnosis, biomedical engineering, investment problems, economic forecasting, social science, humanistic and practical achievements.

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http://fs.unm.edu/EncyclopediaNeutrosophicResearchers3.pdf





Florentin Smarandache, Memet Şahin, Vakkas Uluçay, Abdullah Kargın: **Introduction to Neutrosophic Measure, Neutrosophic Integral, and Neutrosophic Probability**. *Arabic Translation*. Columbus, OH, USA: Educational Publishing, 2019, 131 p.

Keywords: Neutrosophic Measure, Neutrosophic Measure Space, Normalized Neutrosophic Measure, Neutrosophic Axiom of Non-Negativity, Neutrosophic Set, Neutrosophic Measurable Function, Neutrosophic Probability Measure, Neutrosophic Integral, Neutrosophic Random Variables, Neutrosophic Frequentist Probability, Neutrosophic Logic, Subjective Neutrosophic Probability.

In this book, the author introduces the notions of neutrosophic measure and neutrosophic integral, and develops the 1995 notion of neutrosophic probability. Many practical examples are presented.

It is possible to define the neutrosophic measure and consequently the neutrosophic integral and neutrosophic probability in many ways, because there are various types of indeterminacies, depending on the problem we need to solve. Neutrosophics study the indeterminacy.

Indeterminacy is different from randomness. It can be caused by physical space materials and type of construction, by items involved in the space, etc.

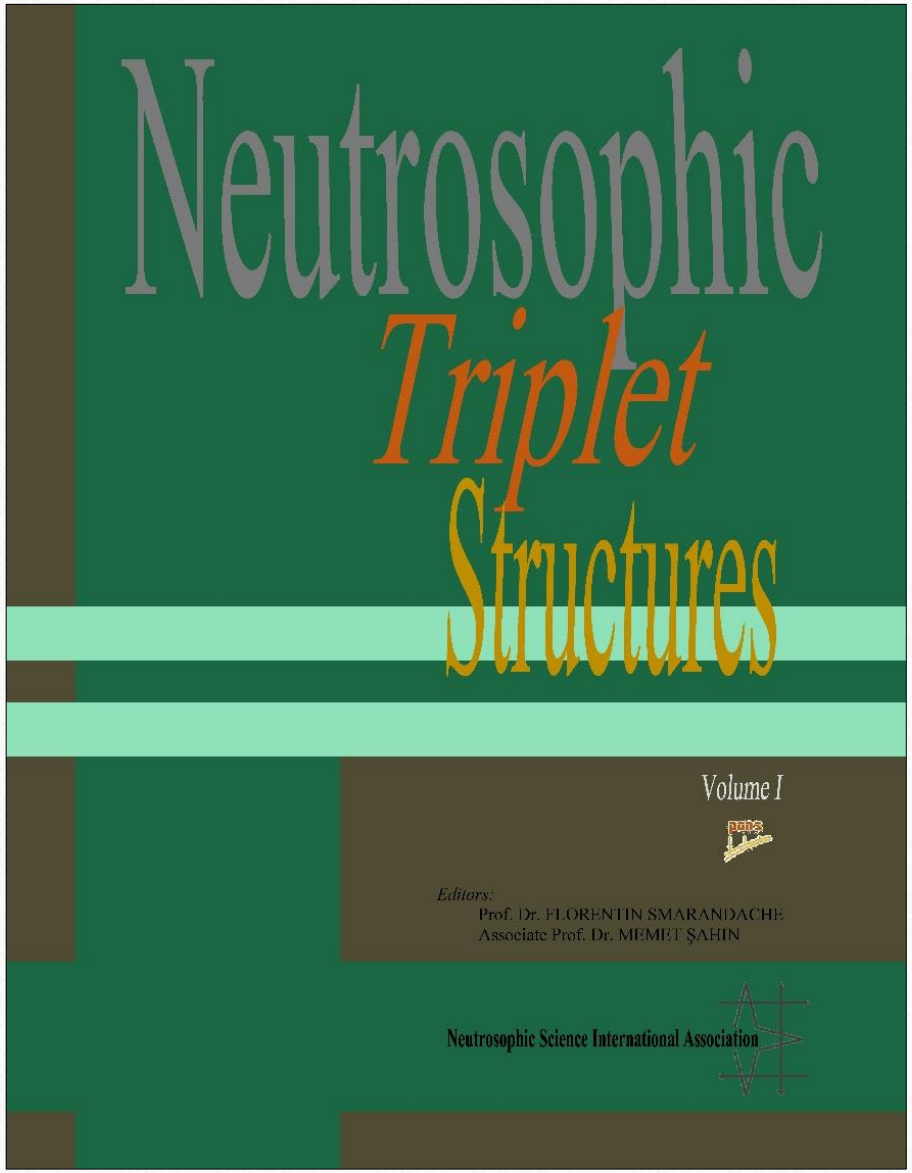
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Florentin Smarandache, Memet Şahin (ed.): **Neutrosophic Triplet Structures**. *First Volume*. Brussels, Belgium: Pons, 2019, 197 p.

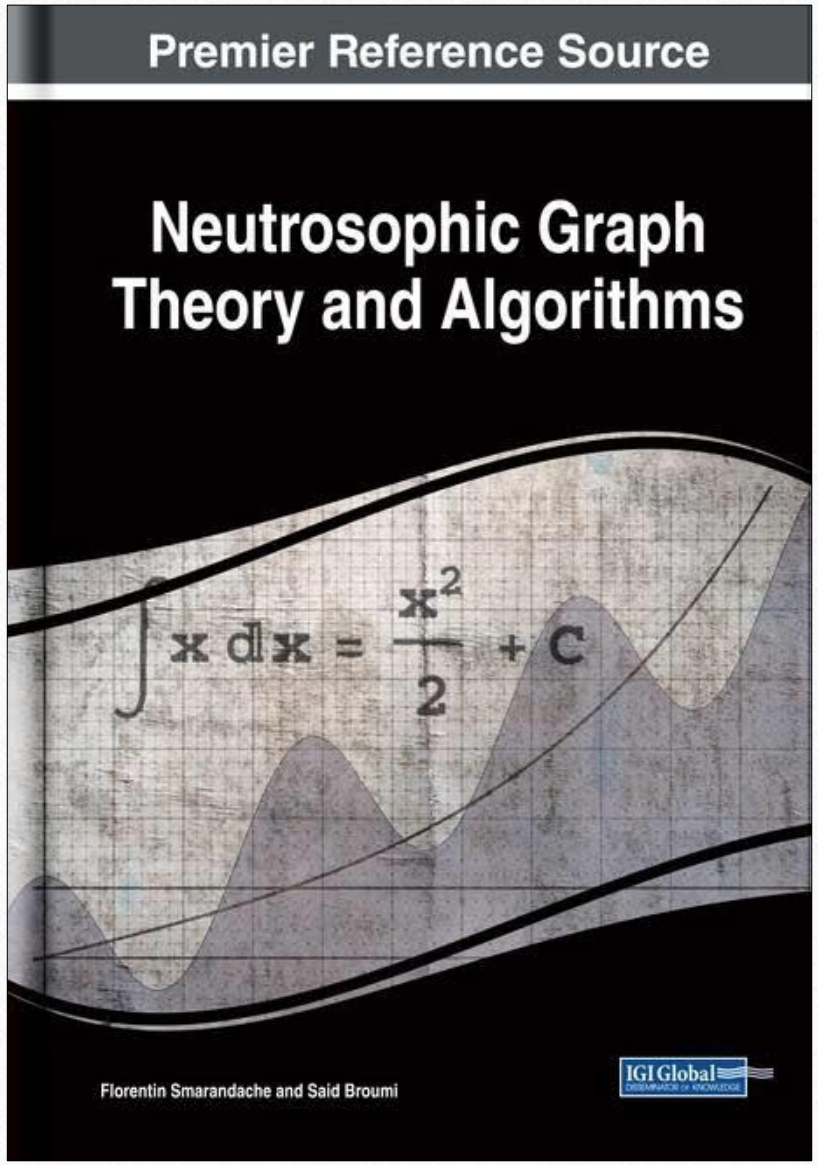
Keywords: Neutrosophic Set, Neutrosophic Triplets, Neutrosophic Extended Triplets, Data Mining, Decision Making, E-Learning, Engineering, Medicine, Social Science, Rough Neutrosophic Set, Single Valued Neutrosophic Rough Set, Bipolar Neutrosophic Set, Single Valued Neutrosophic Hesitant Fuzzy Set.

The Neutrosophic Triplets were introduced by F. Smarandache & M. Ali in 2014 - 2016, and consequently the neutrosophic triplet group, ring, field – in general the neutrosophic triplet structures; while the Neutrosophic Extended Triplets were introduced by F. Smarandache in 2016 and consequently the neutrosophic extended triplet structures.

A neutrosophic extended triplet is a neutrosophic triplet, where the neutral of x {denoted by e-neut(x) and called "extended neutral"} is allowed to also be equal to the classical algebraic unitary element (if any). Therefore, the restriction "different from the classical algebraic unitary element if any" is released. As a consequence, the "extended opposite" of x, denoted by e-anti(x), is also allowed to be equal to the classical inverse element from a classical group.



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Florentin Smarandache, Said Broumi (ed.): **Neutrosophic Graph Theory and Algorithms.** Hershey, PA, USA: IGI Global, 2019, 406 p.

Keywords: Decision-Making Methods, Fuzzy Logic, Graph Connectivity, Homomorphism, Linear Programming, Neutrosophic Matrices, Optimization Techniques, Shortest Path Problems, Spanning Tree Problems, Transportation Networks.

Graph theory is a specific concept that has numerous applications throughout many industries. Despite the advancement of this technique, graph theory can still yield ambiguous and imprecise results. In order to cut down on these indeterminate factors, neutrosophic logic has emerged as an applicable solution that is gaining significant attention in solving many real-life decision-making problems that involve uncertainty, impreciseness, vagueness, incompleteness, inconsistency, and indeterminacy. However, empirical research on this specific graph set is lacking.

"Neutrosophic Graph Theory and Algorithms" is a collection of innovative research on the methods and applications of neutrosophic sets and logic within various fields including systems analysis, economics, and transportation. While highlighting topics including linear programming, decision-making methods, and homomorphism, this book is ideally designed for programmers, researchers, data scientists, mathematicians, designers, educators, researchers, academicians, and students seeking current research on the various methods and applications of graph theory.

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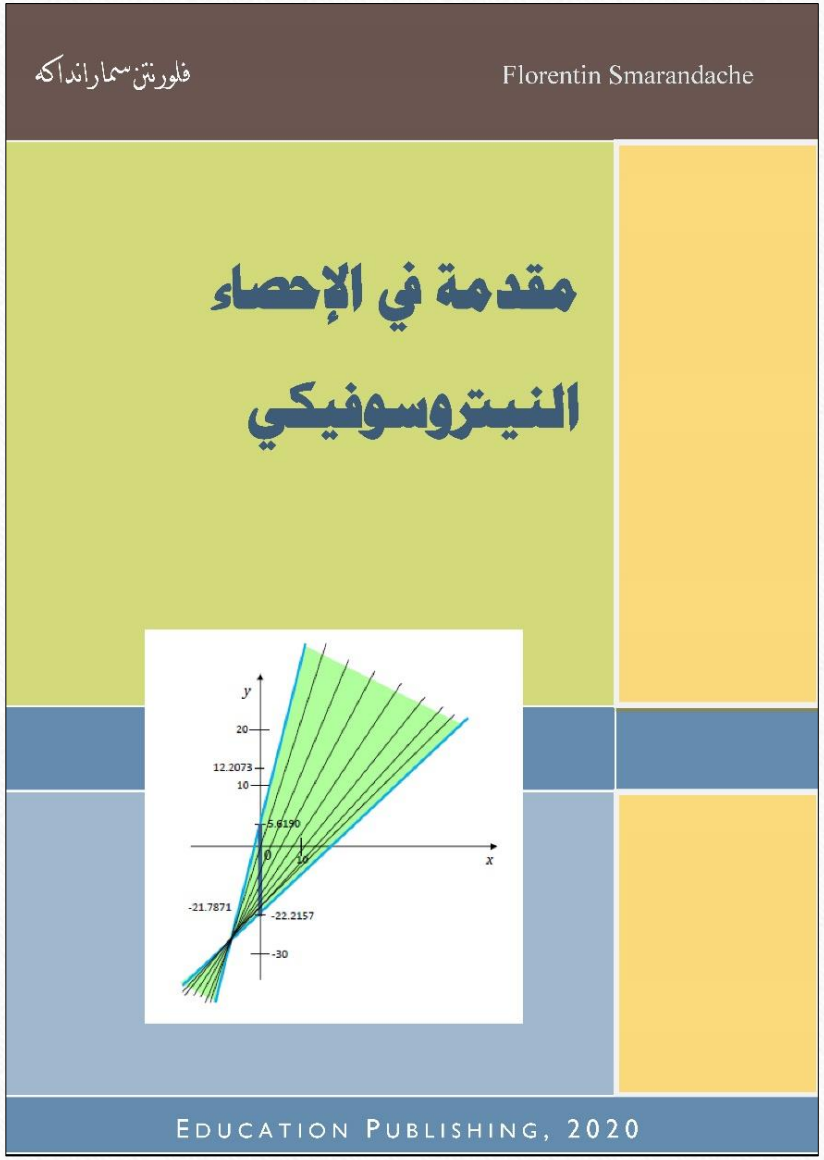
Florentin Smarandache: **Introduction to Neutrosophic Statistics**. *Arabic Translation*. Columbus, OH, USA: Educational Publishing, 2020, 133 p.

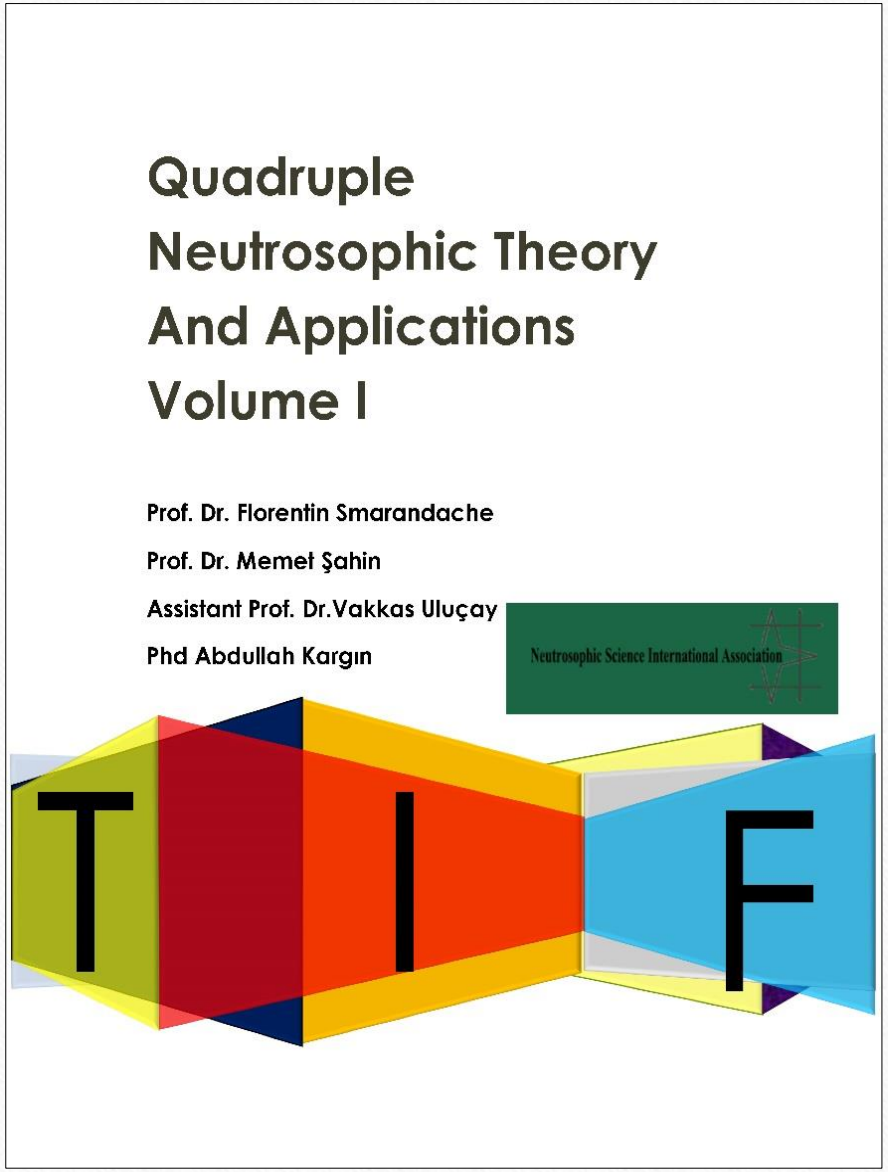
Keywords: Neutrosophic Statistics, Neutrosophic Quartiles, Neutrosophic Sample, Neutrosophic Numerical Measures, Classical Neutrosophic Numbers, Neutrosophic Random Numbers, Neutrosophic Data, Neutrosophic Binomial Distribution, Neutrosophic Multinomial Distribution, Neutrosophic Scatter Plot, Neutrosophic Regression, Neutrosophic Least-Squares Lines, Neutrosophic Coefficient of Determination, Neutrosophic Normal Distribution.

Neutrosophic Statistics is an extension of the classical statistics, and one deals with set values instead of crisp values. Why this passage from crisp numbers to sets? Because in our real life we cannot always compute or provide exact values to the statistics characteristics, but we need to approximate them. Any quantity computed with some indeterminacy from values in a sample (i.e. not exactly) is a neutrosophic statistics.

A neutrosophic statistic is a random variable and as such has a neutrosophic probability distribution. The long-run behaviour of a neutrosophic statistic's values is described when one computes this statistic for many different samples, each of the same size. In the neutrosophic statistics, the data may be ambiguous, vague, imprecise, incomplete, even unknown. Instead of crisp numbers used in classical statistics, one uses sets (that respectively approximate these crisp numbers) in neutrosophic statistics.

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http://fs.unm.edu/NeutrosophicStatistics-ar.pdf





Florentin Smarandache, Memet Şahin, Vakkas Uluçay, Abdullah Kargın (ed.): **Quadruple Neutrosophic Theory and Applications**. *First Volume*. Brussels, Belgium: Pons, 2020, 307 p.

Keywords: Neutrosophic Set, Data Mining, Decision Making, e-Learning, Engineering, Medicine, Social Science.

Neutrosophic theory and its applications have been expanding in all directions at an astonishing rate especially after of the introduction the journal entitled "Neutrosophic Sets and Systems".

New theories, techniques, algorithms have been rapidly developed. One of the most striking trends in the neutrosophic theory is the hybridization of neutrosophic set with other potential sets such as rough set, bipolar set, soft set, hesitant fuzzy set, etc.

The different hybrid structures such as rough neutrosophic set, single valued neutrosophic rough set, bipolar neutrosophic set, single valued neutrosophic hesitant fuzzy set, etc. are proposed in the literature in a short period of time.

Neutrosophic set has been an important tool in the application of various areas such as data mining, decision making, e-learning, engineering, medicine, social science, and some more.

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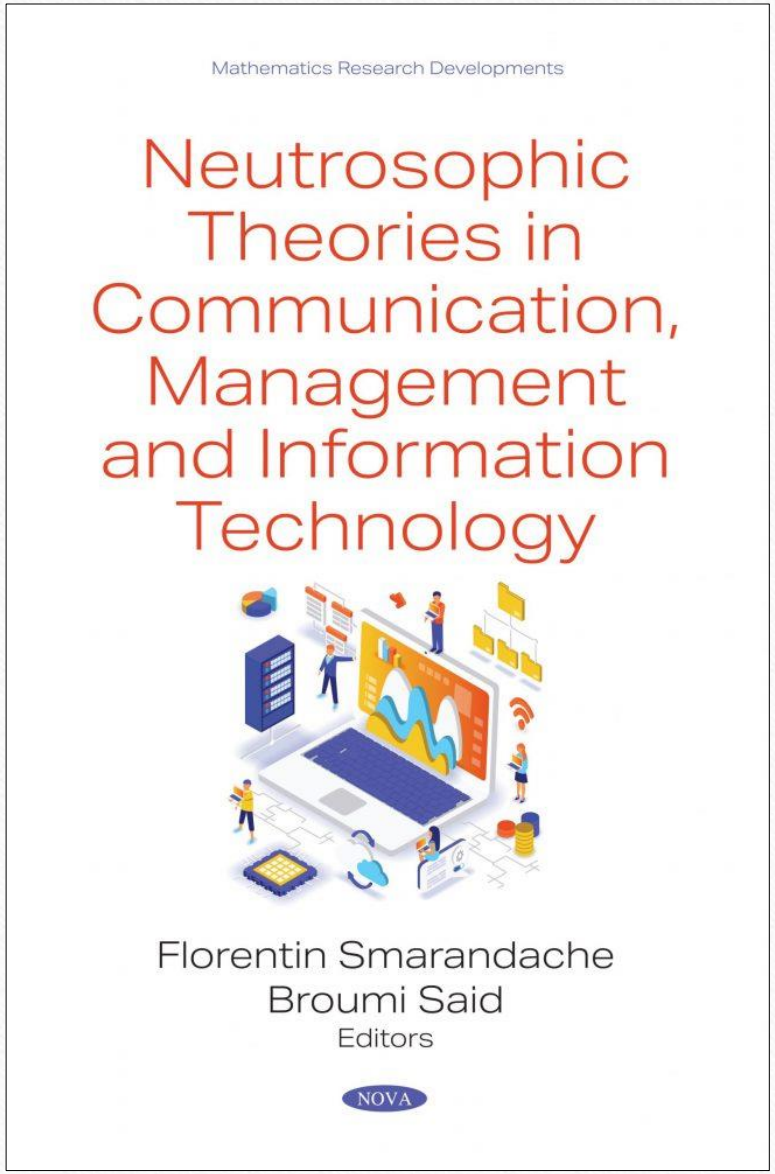
Florentin Smarandache, Broumi Said (ed.): **Neutrosophic Theories in Communication, Management and Information Technology**. Hauppauge, NY, USA: Nova Science Publishers, 2020, 379 p.

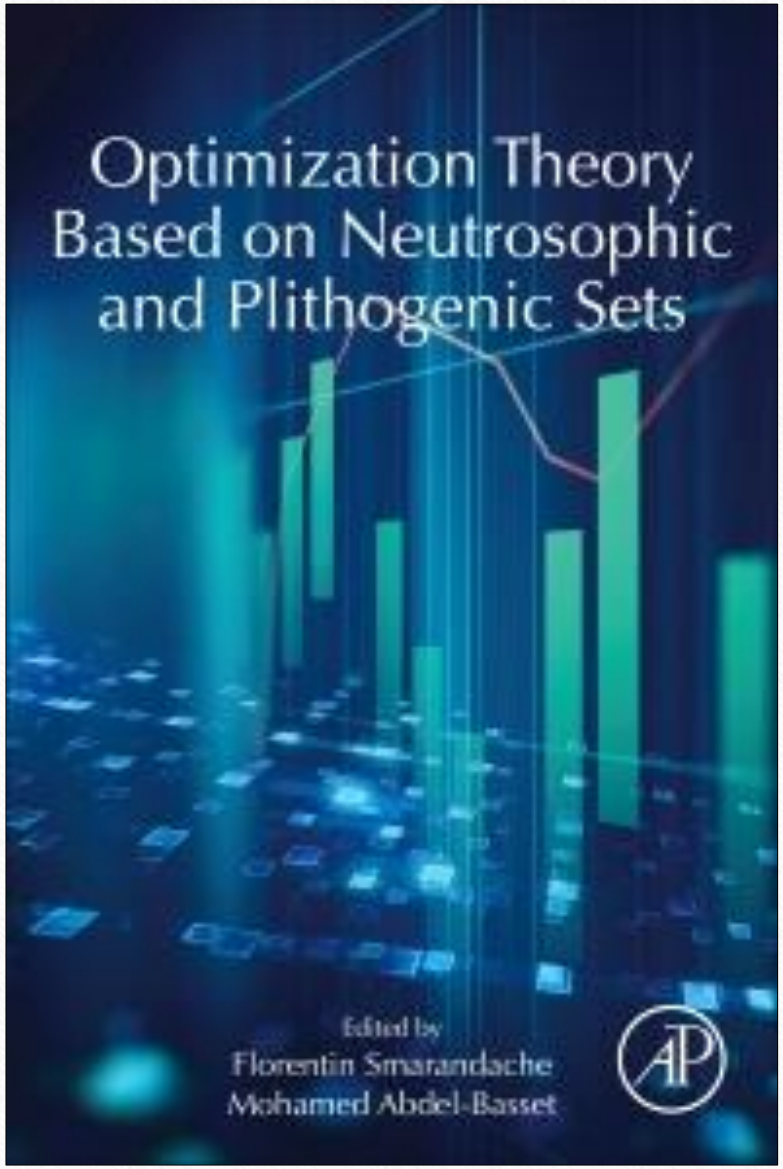
Keywords: Neutrosophy, Deep Learning, Artificial Neural Networks, Trapezoidal Neutrosophic Environment, Multiple Criteria Decision Making, Rough Neutrosophic Set, Graphs, Three-Way Decisions.

Contributing to the fast growing new field of neutrosophy, this book provides a significant collection of unedited articles covering the latest ongoing research area. Neutrosopy is above all a new view on modelling, tailored to effectively address the uncertainties inherent of the real world. Registered in wide collection of books on this promising field, here we deliver to researchers, lecturers and postgraduate students pursuing research on neutrosophic a set of eighteen unreleased articles on state of the art theoretical developments, applications and understanding of neutrosophy. This volume complements the reference works of the founder and extend the already numerous books of this editor on the subject. This book starts by describing a major application of neutrosophy: product acceptance determination using a similarity measure index by applying neutrosophic statistics. In one the latest leading mathematics branch: Graph theory, we provide an article on neutrosophic extension of graphs that we can call a neutrosophic graph. A reflection is given on the true nature of neutrosophy by exploring its link with learning such as by Artificial Neural Networks, including Deep Learning. Again, in Mathematics a discussion is made on the solving of systems of linear equations in neutrosophic representation. We also go to the opposite of theory, down to the practical details of implementation for topology using the C# language. Neutrosophic probability is another big new research field. Here, we present a study on the advantages of using neutrosophic variables. Other discipline such as algebra, topology, decision making as well as problem as in logistics and transport are concerned by the remaining articles.

– Florentin Smarandache, Broumi Said

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Florentin Smarandache, Mohamed Abdel-Basset (ed.): **Optimization Theory Based on Neutrosophic and Plithogenic Sets**. Amsterdam, The Netherlands: Elsevier, 2020, 446 p.

Keywords: Optimization Theory, Neutrosophy, Neutrosophic Sets, Plithogenic Sets, Computational Intelligence, Image Processing, Medical Diagnosis, Fault Diagnosis, Optimization Design.

Optimization Theory Based on Neutrosophic and Plithogenic Sets presents the state-of-the-art research on neutrosophic and plithogenic theories and their applications in various optimization fields. Its table of contents covers new concepts, methods, algorithms, modelling, and applications of green supply chain, inventory control problems, assignment problems, transportation problem, nonlinear problems and new information related to optimization for the topic from the theoretical and applied viewpoints in neutrosophic sets and logic.

Key Features:

• All essential topics about neutrosophic optimization and Plithogenic sets make this volume the only single source of comprehensive information;
• New and innovative theories help researchers solve problems under diverse optimization environments;
• Varied applications address practitioner fields such as computational intelligence, image processing, medical diagnosis, fault diagnosis, and optimization design.

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Smarandache's Books

DSmT

Dezert-Smarandache Theory



Florentin Smarandache & Jean Dezert (ed.): **Advances and Applications of DSmT for Information Fusion**. *Collected Works*. *First Volume*. Rehoboth, DE, USA: American Research Press (ARP), 2004, 436 p.

Keywords: Information Fusion, Dezert-Smarandache Theory, Belief Function, Sensor Networks, Uncertainty, Reasoning Evaluation, Threat Assessment, Handwritten Signature Verification, Automatic Aircraft Recognition.

This book is devoted to an emerging branch of Information Fusion based on new approach for modelling the fusion problematic when the information provided by the sources is both uncertain and (highly) conflicting. This approach, known in literature as DSmT (standing for Dezert-Smarandache Theory), proposes new useful rules of combinations. We gathered in this volume a presentation of DSmT from the beginning to the latest development. Part 1 of this book presents the current state-of-the-art on theoretical investigations while Part 2 presents several applications of this new theory. We hope that this first book on DSmT will stir up some interests to researchers and engineers working in data fusion and in artificial intelligence. Many simple but didactic examples are proposed throughout the book. As a young emerging theory, DSmT is probably not exempt from improvements and its development will continue to evolve over the years. We just want through this book to propose a new look at the Information Fusion problematic and open a new track to attack the combination of information.

– Florentin Smarandache, Jean Dezert

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Florentin Smarandache & Jean Dezert (ed.): **Advances and Applications of DSmT for Information Fusion**. *Collected Works. Second Volume*. Rehoboth, DE, USA: American Research Press (ARP), 2006, 461 p.

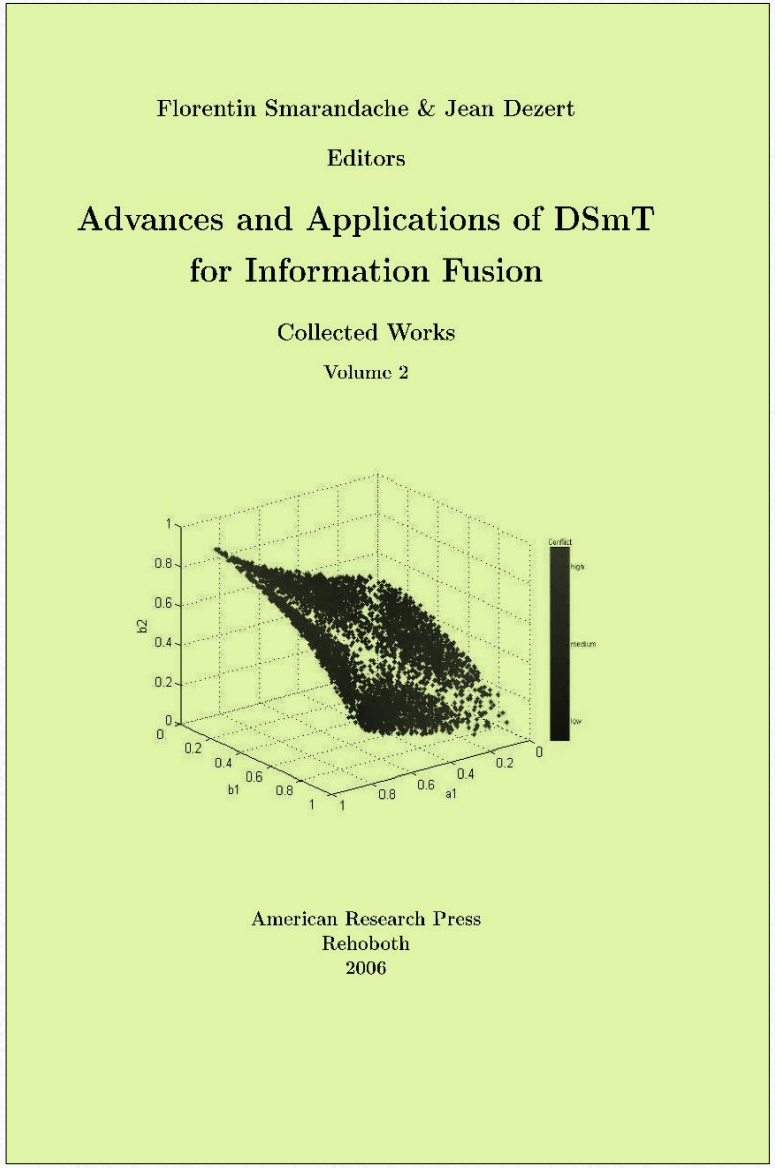
Keywords: Information Fusion, Dezert-Smarandache Theory, Belief Function, Sensor Networks, Uncertainty, Reasoning Evaluation, Threat Assessment, Fusion Rules.

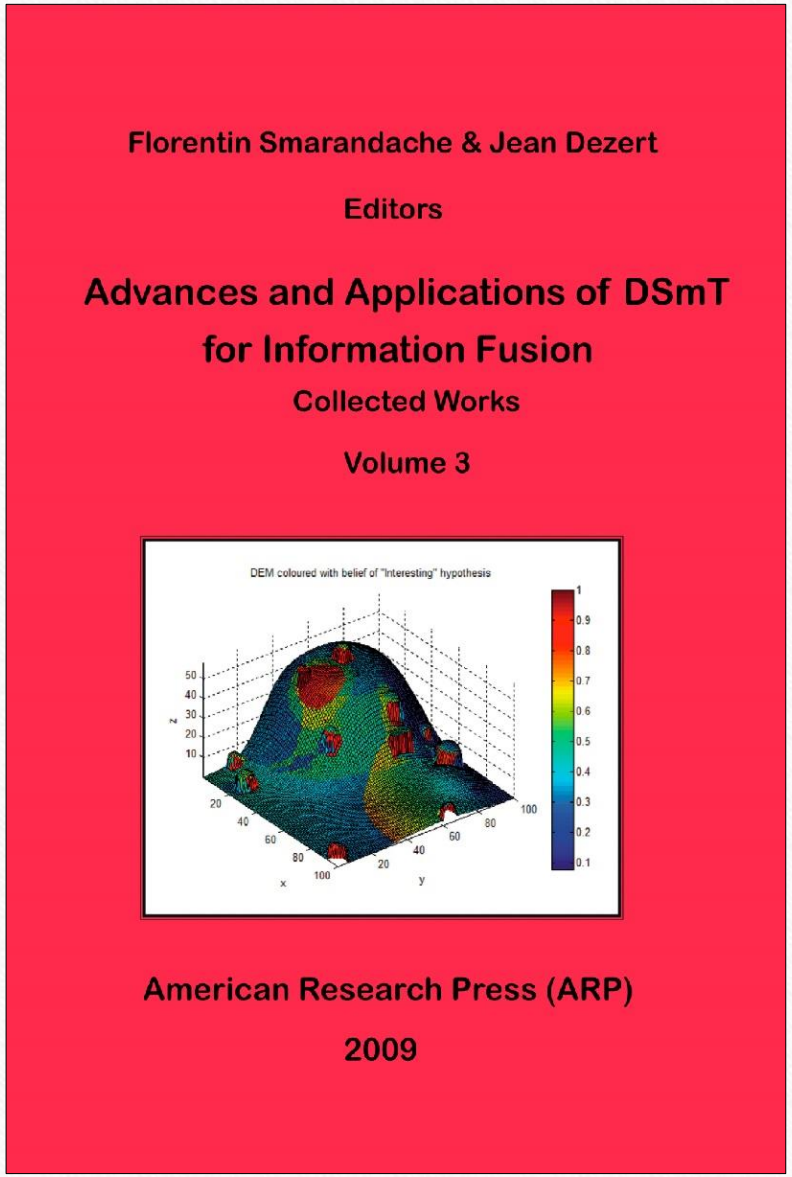
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This second volume dedicated to Dezert-Smarandache Theory (DSmT) in Information Fusion brings in new fusion quantitative rules (such as the PCR1-6, where PCR5 for two sources does the most mathematically exact redistribution of conflicting masses to the non-empty sets in the fusion literature), qualitative fusion rules, and the Belief Conditioning Rule (BCR) which is different from the classical conditioning rule used by the fusion community working with the Mathematical Theory of Evidence.

Other fusion rules are constructed based on T-norm and T-conorm (hence using fuzzy logic and fuzzy set in information fusion), or more general fusion rules based on N-norm and N-conorm (hence using neutrosophic logic and neutrosophic set in information fusion), and an attempt to unify the fusion rules and fusion theories. The known fusion rules are extended from the power set to the hyper-power set and comparison between rules are made on many examples. One defines the degree of intersection of two sets, degree of union of two sets, and degree of inclusion of two sets which all help in improving the all existing fusion rules as well as the credibility, plausibility, and communality functions.

The book chapters are written by Frederic Dambreville, Milan Daniel, Jean Dezert, Pascal Djiknavorian, Dominic Grenier, Xinhan Huang, Pavlina Dimitrova Konstantinova, Xinde Li, Arnaud Martin, Christophe Osswald, Andrew Schumann, Tzvetan Atanasov Semerdjiev, Florentin Smarandache, Albena Tchamova, and Min Wang.





Florentin Smarandache & Jean Dezert (ed.): **Advances and Applications of DSmT for Information Fusion**. *Collected Works. Third Volume*. Columbus, OH, USA: American Research Press (ARP), 2009, 760 p.

Keywords: Dezert-Smarandache Theory, Belief Function, Sensor Networks, Ground Moving Target, Support Vector Machines, Uncertainty, Reasoning Evaluation, Threat Assessment, Linear Algebra of Refined Labels.

This volume has about 760 pages, split into 25 chapters, from 41 contributors. First part of this book presents advances of Dezert-Smarandache Theory (DSmT) which is becoming one of the most comprehensive and flexible fusion theory based on belief functions. It can work in all fusion spaces: power set, hyper-power set, and super-power set, and has various fusion and conditioning rules that can be applied depending on each application. Some new generalized rules are introduced in this volume with codes for implementing some of them. For the qualitative fusion, the DSm Field and Linear Algebra of Refined Labels (FLARL) is proposed which can convert any numerical fusion rule to a qualitative fusion rule. When one needs to work on a refined frame of discernment, the refinement is done using Smarandache's algebraic codification. New interpretations and implementations of the fusion rules based on sampling techniques and referee functions are proposed, including the probabilistic proportional conflict redistribution rule. A new probabilistic transformation of mass of belief is also presented which outperforms the classical pignistic transformation in term of probabilistic information content. The second part of the book presents applications of DSmT in target tracking, in satellite image fusion, in snow-avalanche risk assessment, in multi-biometric match score fusion, in assessment of an attribute information retrieved based on the sensor data or human originated information, in sensor management, in automatic goal allocation for a planetary rover, in computer-aided medical diagnosis, in multiple camera fusion for tracking objects on ground plane, in object identification, in fusion of Electronic Support Measures allegiance report, in map regenerating forest stands, etc.

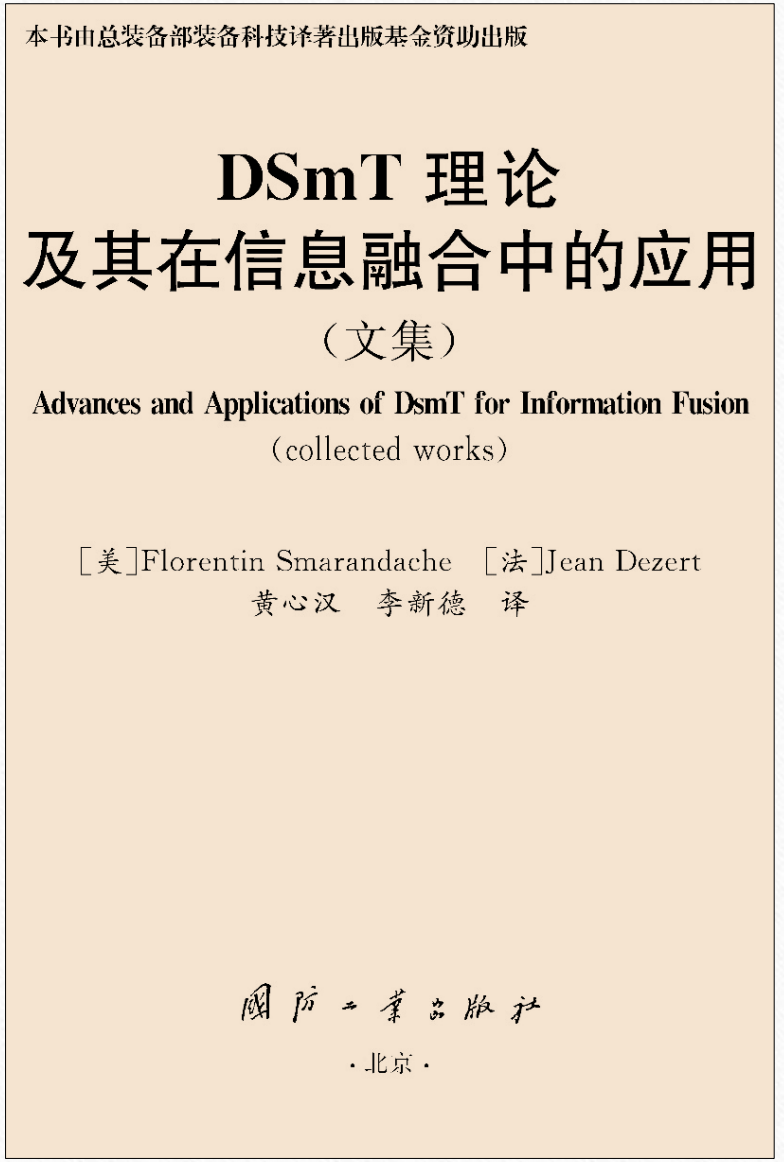
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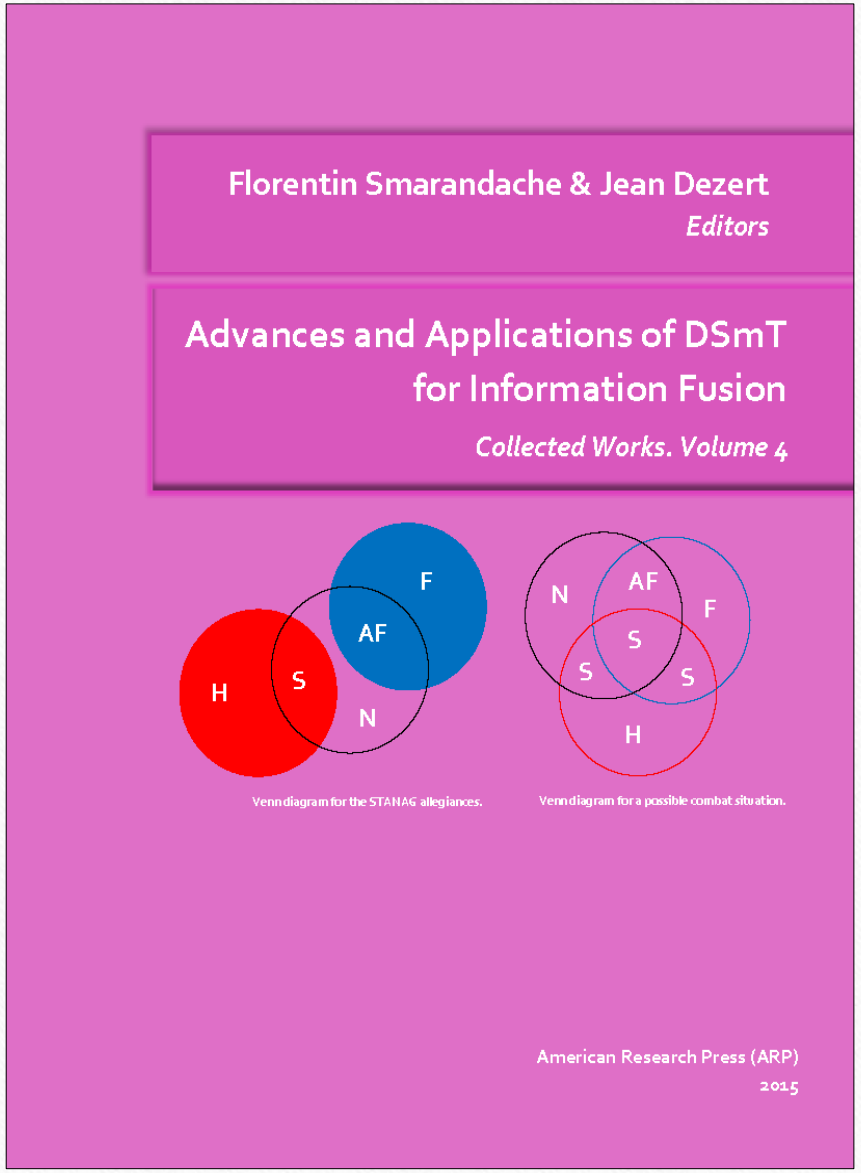
Florentin Smarandache & Jean Dezert (ed.): **Advances and Applications of DSmT for Information Fusion**. *Translated into Chinese.* Beijing, P. R. China: National Defense Industry Press, 2011, 378 p.

Keywords: Dezert-Smarandache Theory, Belief Function, Linear Algebra, Refined Labels, Electronic Support Measures, Smarandache's algebraic codification.

This book presents advances of Dezert-Smarandache Theory (DSmT) which is becoming one of the most comprehensive and flexible fusion theory based on belief functions. It can work in all fusion spaces: power set, hyper-power set, and super-power set, and has various fusion and conditioning rules that can be applied depending on each application. Some new generalized rules are introduced in this volume with codes for implementing some of them. For the qualitative fusion, the DSm Field and Linear Algebra of Refined Labels (FLARL) is proposed which can convert any numerical fusion rule to a qualitative fusion rule. When one needs to work on a refined frame of discernment, the refinement is done using Smarandache's algebraic codification. New interpretations and implementations of the fusion rules based on sampling techniques and referee functions are proposed, including the probabilistic proportional conflict redistribution rule. A new probabilistic transformation of mass of belief is also presented which outperforms the classical pignistic transformation in term of probabilistic information content. The second part of the book presents applications of DSmT in target tracking, in satellite image fusion, in snow-avalanche risk assessment, in multi-biometric match score fusion, in assessment of an attribute information retrieved based on the sensor data or human originated information, in sensor management, in automatic goal allocation for a planetary rover, in computer-aided medical diagnosis, in multiple camera fusion for tracking objects on ground plane, etc.

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Florentin Smarandache & Jean Dezert (ed.): **Advances and Applications of DSmT for Information Fusion.** *Collected Works. Fourth Volume.* Columbus, OH, USA: American Research Press (ARP), 2015, 78 p.

Keywords: Electronic Support Measures, Belief Function, Sensor Networks, Ground Moving Target, Support Vector Machines, Uncertainty, Reasoning Evaluation, Threat Assessment, Handwritten Signature Verification, Automatic Aircraft Recognition.

The fourth volume on Advances and Applications of Dezert-Smarandache Theory (DSmT) for information fusion collects theoretical and applied contributions of researchers working in different fields of applications and in mathematics. The contributions have been published or presented after disseminating the third volume (2009) in international conferences, seminars, workshops and journals. This book presents the theoretical advancement of DSmT, dealing with Belief functions, conditioning and deconditioning, Analytic Hierarchy Process, Decision Making, Multi-Criteria, evidence theory, combination rule, evidence distance, conflicting belief, sources of evidences with different importance and reliabilities, importance of sources, pignistic probability transformation, Qualitative reasoning under uncertainty, Imprecise belief structures, 2-Tuple linguistic label, Electre TriMethod, hierarchical proportional redistribution, basic belief assignment, subjective probability measure, neutrosophic logic, Evidence theory, outranking methods, Dempster-Shafer Theory, Bayes fusion rule, frequentist probability, mean square error, controlling factor, optimal assignment solution, data association, Transferable Belief Model, and others.

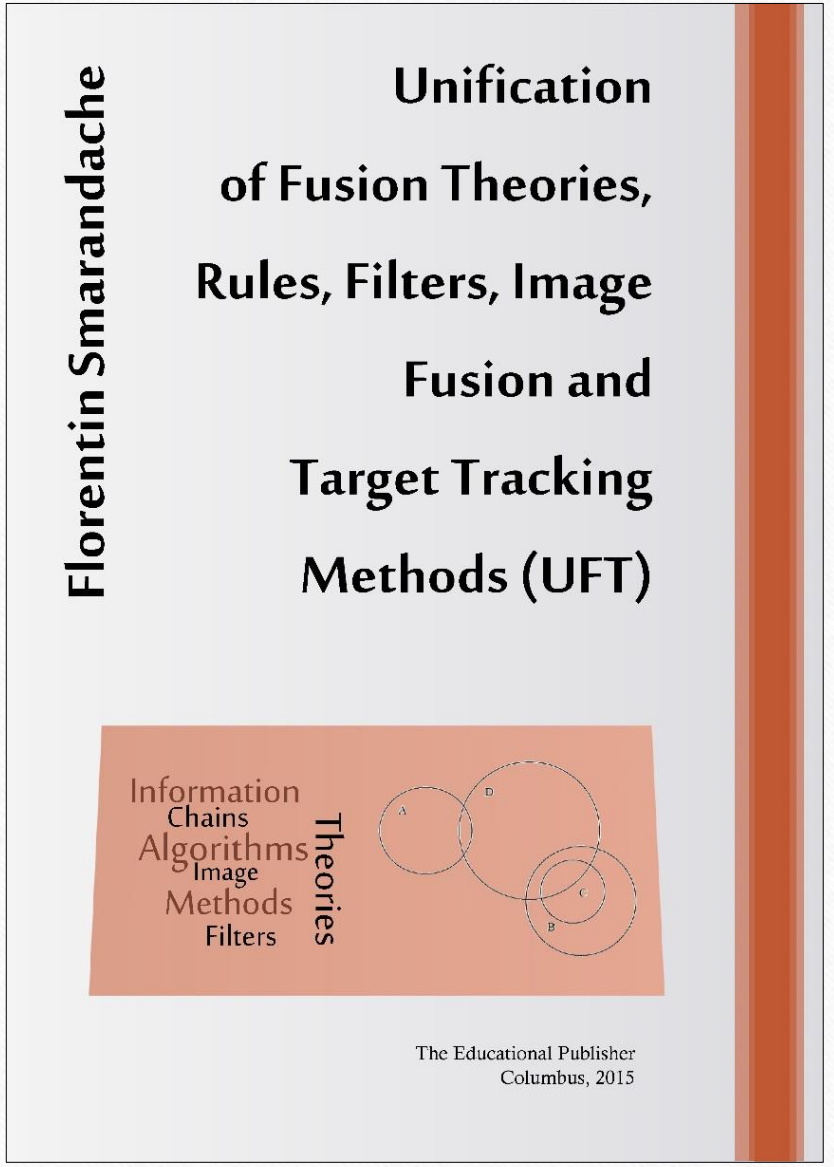
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Florentin Smarandache: **Unification of Fusion Theories, Rules, Filters, Image Fusion and Target Tracking Methods (UFT).** Columbus, OH, USA: Educational Publisher, 2015, 78 p.

Keywords: Fusion Theories, Dynamic Fusion, Static Fusion, Neutrosophic Logic, Neutrosophic Topologies, Neutrosophic Operators, Image Processing, Image Noise, Image Segmentation, Image Fusion, Target Tracking.

Since no fusion theory neither fusion rule fully satisfy all needed applications, the author has proposed since 2004 a Unification of Fusion Theories and a Unification / Combination of Fusion Rules in solving problems/applications. For each particular application, one selects the most appropriate fusion space and fusion model, then the rules, and algorithms of implementation. We are working in the Unification of the Fusion Theories and Rules (UFTR), which looks like a cooking recipe, better we would say like a logical chart for a computer programmer, but we do not see another method to comprise/unify all things. The unification scenario presented herein, which is now in an incipient form, should periodically be updated incorporating new discoveries from the fusion and engineering research. The author has pledged in various papers, conference presentations, and scientific grant applications (between 2004-2015) for the unification of fusion theories, rules, image segmentation procedures, filter algorithms, and target tracking methods for more accurate applications to our real world problems.

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Social Sciences

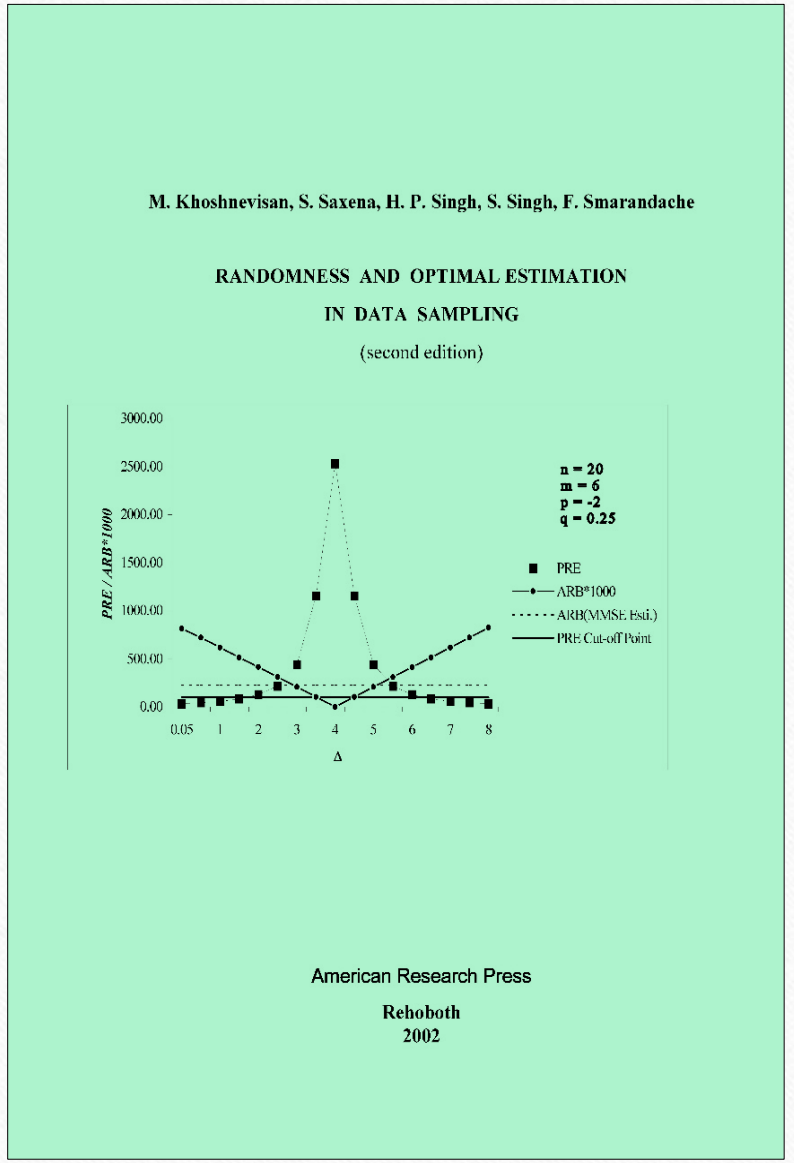
Sociology
Psychology
Pedagogy
Economics&Business
Communication Studies

M. Khoshnevisan, S. Saxena, H. P. Singh, S. Singh, F. Smarandache: **Randomness and Optimal Estimation in Data Sampling**. *Second Edition*. Rehoboth, DE, USA: American Research Press, 2002, 62 p.

Keywords: Estimators, Estimation, Data Sampling, Financial Modeling, Applied Statistics, Weibull distribution, Social Sciences, Financial Market.

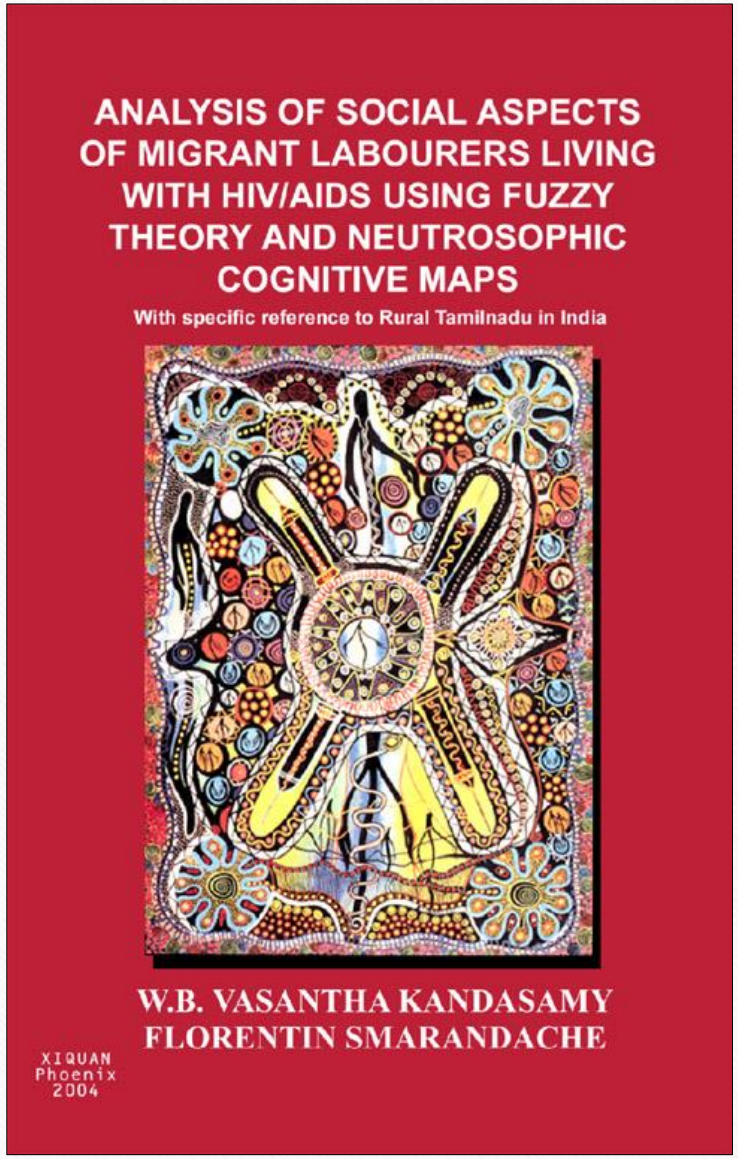
The purpose of this book is to postulate some theories and test them numerically. Estimation is often a difficult task and it has wide application in social sciences and financial market. In order to obtain the optimum efficiency for some classes of estimators, we have devoted this book into three specialized sections:

Part 1. In this section we have studied a class of shrinkage estimators for shape parameter beta in failure censored samples from two-parameter Weibull distribution when some 'apriori' or guessed interval containing the parameter beta is available in addition to sample information and analyses their properties. Some estimators are generated from the proposed class and compared with the minimum mean squared error (MMSE) estimator. Numerical computations in terms of percent relative efficiency and absolute relative bias indicate that certain of these estimators substantially improve the MMSE estimator in some guessed interval of the parameter space of beta, especially for censored samples with small sizes.
Part 2. In this section we have analyzed the two classes of estimators for population median MY of the study character Y using information on two auxiliary characters X and Z in double sampling. Estimators based on estimated optimum values have been also considered with their properties. The optimum values of the first phase and second phase sample sizes are also obtained for the fixed cost of survey.
Part 3. In this section, we have investigated the impact of measurement errors on a family of estimators of population mean using multiauxiliary information. This error minimization is vital in financial modeling whereby the objective function lies upon minimizing over-shooting and undershooting.



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http://fs.unm.edu/NeutrosophyAIDS.pdf



W. B. Vasantha Kandasamy, Florentin Smarandache: **Analysis of Social Aspects of Migrant Labourers Living with HIV/AIDS Using Fuzzy Theory and Neutrosophic Cognitive Maps**. *With Specific Reference to Rural Tamilnadu in India*. Phoenix, AZ, USA: Xiquan, 2004, 470 p.

Keywords: Neutrosophic Cognitive Maps, Tamil Nadu, Victims, Suicide, HIV, AIDS.

In this book for the first time we have ventured into the total analysis of migrant labourers in rural Tamil Nadu who are victims of HIV/AIDS using FCM, BAM and Neutrosophic Cognitive Maps. As in our study and analysis we felt several of the factors related with the psycho, socio, economic problems of these HIV/AIDS patients from rural Tamil Nadu (a southernmost state in India) remain indeterminate apart from the data being an unsupervised one. At the outset, we first emphasize that the study and analysis (and there by the conclusions and suggestions) pertain only to migrant labourers from rural Tamil Nadu who are poor and uneducated and who are HIV/AIDS infected. So this study cannot be extended to urban people or rich/sophisticated/educated populations of Tamil Nadu.

We have purposefully chosen this study for we saw majority of the people who come to take treatment for HIV/AIDS as inpatients of the Government Hospital for Thoracic Medicine at Tambaram (called the "Tambaram Sanatorium") hospital are from rural areas with no education, they are poor or become poor due to this disease and have caught this disease due to migration. Further these people are not empowered with trade unions or welfare associations, for these labourers are used till they serve the purpose and once they are ill there is no one to take care of them. At least 75% of them, when they came to know that they had HIV/AIDS, their first reaction was to think of committing suicide. These men at large are shaken to the core in their hearts with fear of stigma and poverty and they suffer from deep depression when they are just in the prime of life. Thus our sample under analysis is these migrant poor uneducated labourers from rural Tamil Nadu.

– W. B. Vasantha Kandasamy, Florentin Smarandache

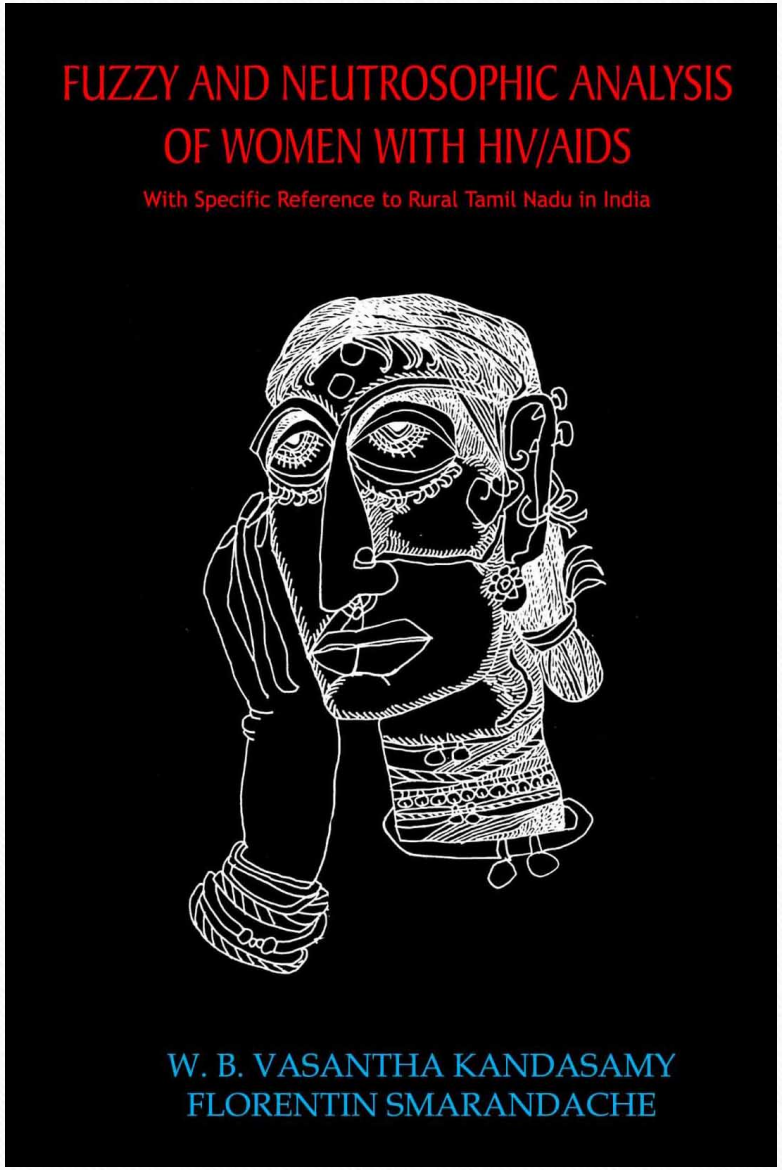
W. B. Vasantha Kandasamy, Florentin Smarandache: **Fuzzy and Neutrosophic Analysis of Women with HIV/AIDS**. *With Specific Reference to Rural Tamil Nadu in India. Translation of the Tamil interviews by Meena Kandasamy*. Phoenix, AZ, USA: Hexis, 2005, 314 p.

Keywords: HIV, AIDS, Tamil Nadu, Fuzzy Associative Memories, Neutrosophic Associative Memories, Fuzzy Relational Maps, Women, Poverty.

Neutrosophic models are used in the analysis of the socio-economic problems of HIV/AIDS infected women patients living in rural Tamil Nadu. Most of these women are uneducated and live in utter poverty. Till they became seriously ill they worked as daily wagers. When these women got admitted in the hospital they were either terminally ill or the disease has advanced to a chronic stage.

The first chapter gives a brief introduction about HIV/AIDS among rural women in Tamil Nadu. Chapter 2 is an analysis of the situation using fuzzy theory in general and Fuzzy Relational Maps (FRM) in particular. The FRM tool is specially chosen for two reasons: It can give the hidden pattern of the dynamical system and as the socio-economic condition of women infected with HIV/AIDS is interdependent we choose this special fuzzy tool called FRM. In Chapter 3, we use Fuzzy Associative Memories (FAM) to analyze the problem because FAM is the only fuzzy tool that can give the gradations of each of the nodes/concepts. In Chapter 4 for the first time we use neutrosophic theory in general and neutrosophic relational maps (NRM) in particular to analyze this problem. Interested readers can compare and analyze the two models FRM and NRM. This chapter introduces the notion of Neutrosophic Associative Memories (NAMs) that is an analogous model of Fuzzy Associative Memories. NAMs are applied to this problem and conclusions are based on this analysis. The sixth chapter gives the translated version of the verbatim interviews of the 101 HIV/AIDS infected, rural, uneducated, and poor women of Tamil Nadu. It is important to record that most of these women talked very openly and that in spite of their sufferings and problems they did not suffer depression.

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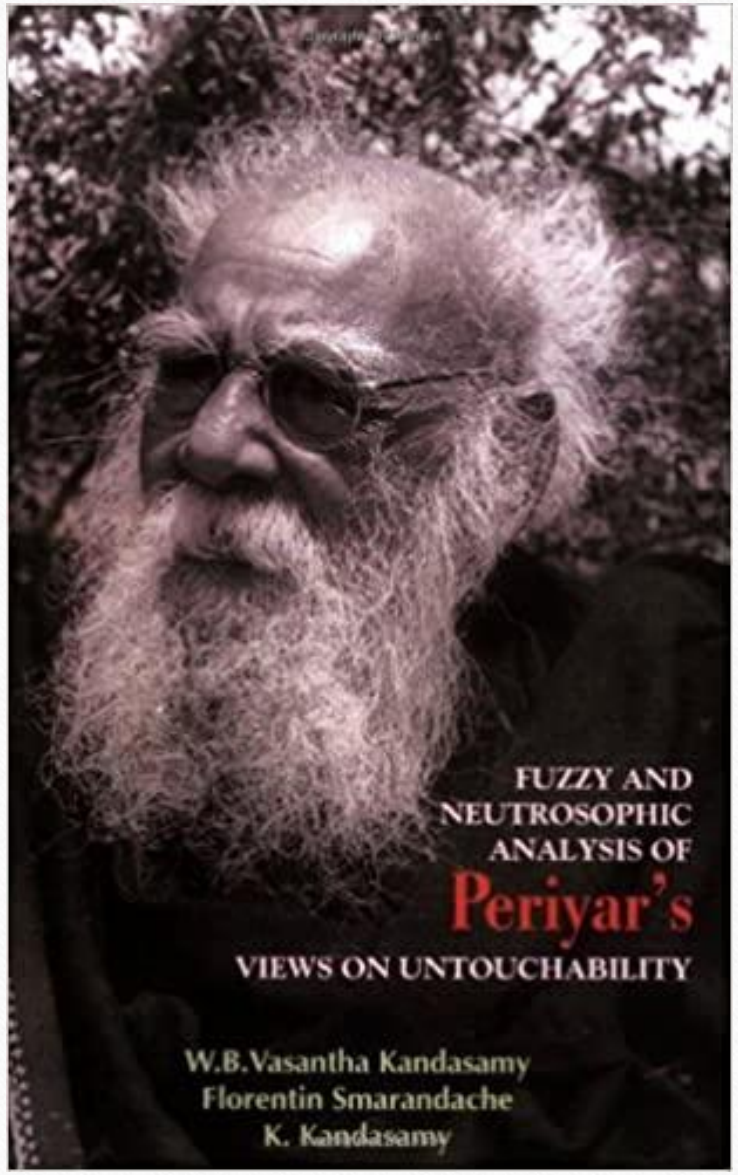
W. B. Vasantha Kandasamy, Florentin Smarandache, K. Kandasamy: **Fuzzy and Neutrosophic Analysis of Periyar's Views on Untouchability**. *Translation of the speeches and writings of Periyar from Tamil by Meena Kandasamy.* Phoenix, AZ, USA: Hexis, 2005, 383 p.

Keywords: Untouchability, Untouchables, Panchamas, Adi Dravidars, Paraiayar, Pallar, Chakkiliyar, Dalits, Class, Fuzzy Directed Graphs, Neutrosophic Directed Graphs.

In this book we have analyzed the diverse manifestations of untouchability and the caste-system of Hinduism using Fuzzy and Neutrosophic theory. In studying untouchability, we have chosen to view it through the eyes of the relentless crusader, Periyar E. V. Ramasamy (1879-1973). He was a social revolutionary who vociferously campaigned against untouchability and called for the annihilation of the caste system. For six decades, he powerfully influenced the course of politics in the South-Indian state of Tamil Nadu. His ideology and struggle to attain rationalism, caste-annihilation, self-respect and women liberation have made a permanent impact on the entire nation.

– W. B. Vasantha Kandasamy, F. Smarandache

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This book is organized into four chapters. In Chapter One we just introduce the basic Fuzzy and Neutrosophic tools used in the analysis of the social evil of Untouchability. Since the notion of caste is based on the mind, it is appropriate to use Fuzzy and Neutrosophic theory. In Chapter Two we use the opinion of several experts to analyze the various aspects of untouchability. Here, we use the tools that have been described in Chapter One. Fuzzy Directed Graphs and Neutrosophic Directed Graphs of these Fuzzy and Neutrosophic models happen to be very dense. We have represented 16 such graphs in this book. In Chapter Three we give a brief introduction about the life and struggle of Periyar. We have provided more than 220 pages of translations of his writings and speeches that dealt with the issues of caste and untouchability. In the final section of this chapter, we have provided a compilation of the various atrocities undergone by Dalits in present-day India. The fourth and concluding chapter gives observations drawn from our mathematical results based on the Fuzzy and Neutrosophic analysis. A study of this kind is being carried out for the first time. We have used mathematical tools to study this sociological problem because we wanted to perform a scientific study of this system of oppression.

Florentin Smarandache, Sukanto Bhattacharya, Mohammad Khoshnevisan (ed.): **Computational Modeling in Applied Problems**. *Collected papers on econometrics, operations research, game theory and simulation*. Phoenix, AZ, USA: Hexis, 2006, 107 p.

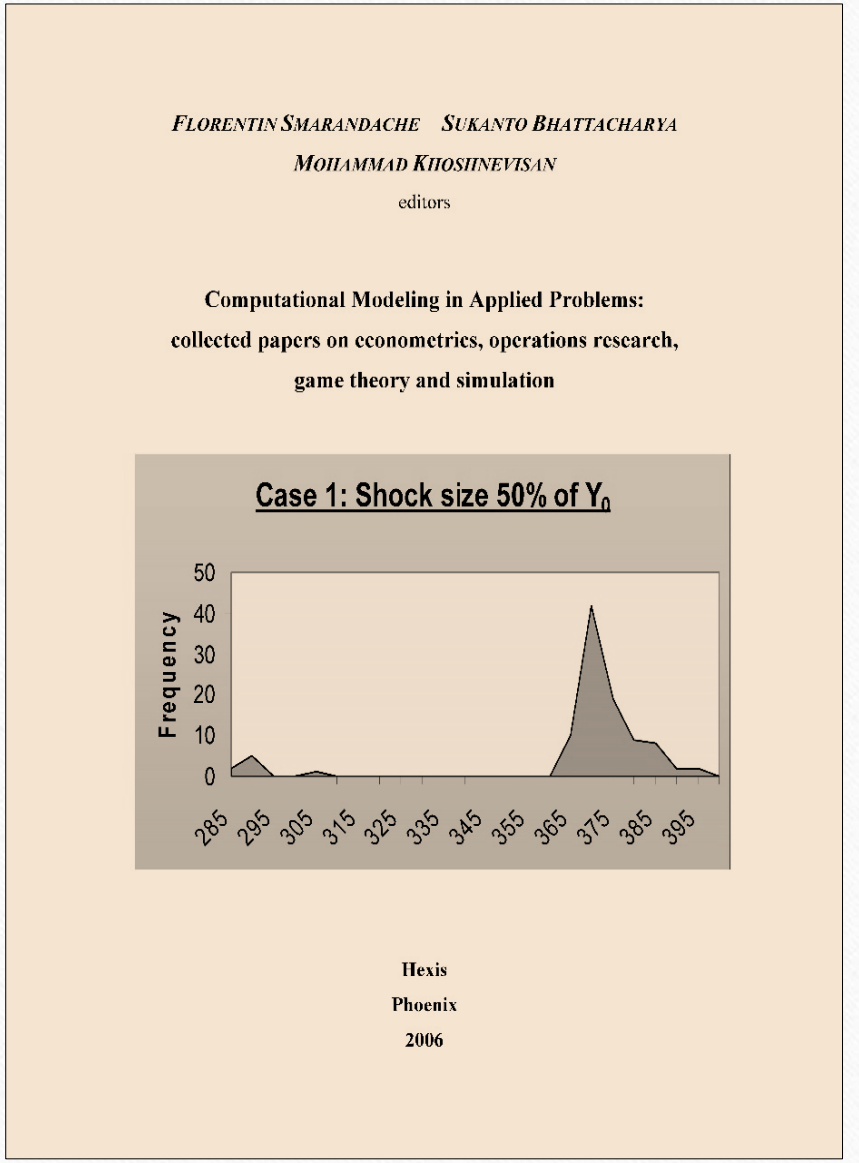
Keywords: Bias, Mean Square Error, Ratio Estimator Super Population, Correlation coefficient, Finite population, Auxiliary information, Variance.

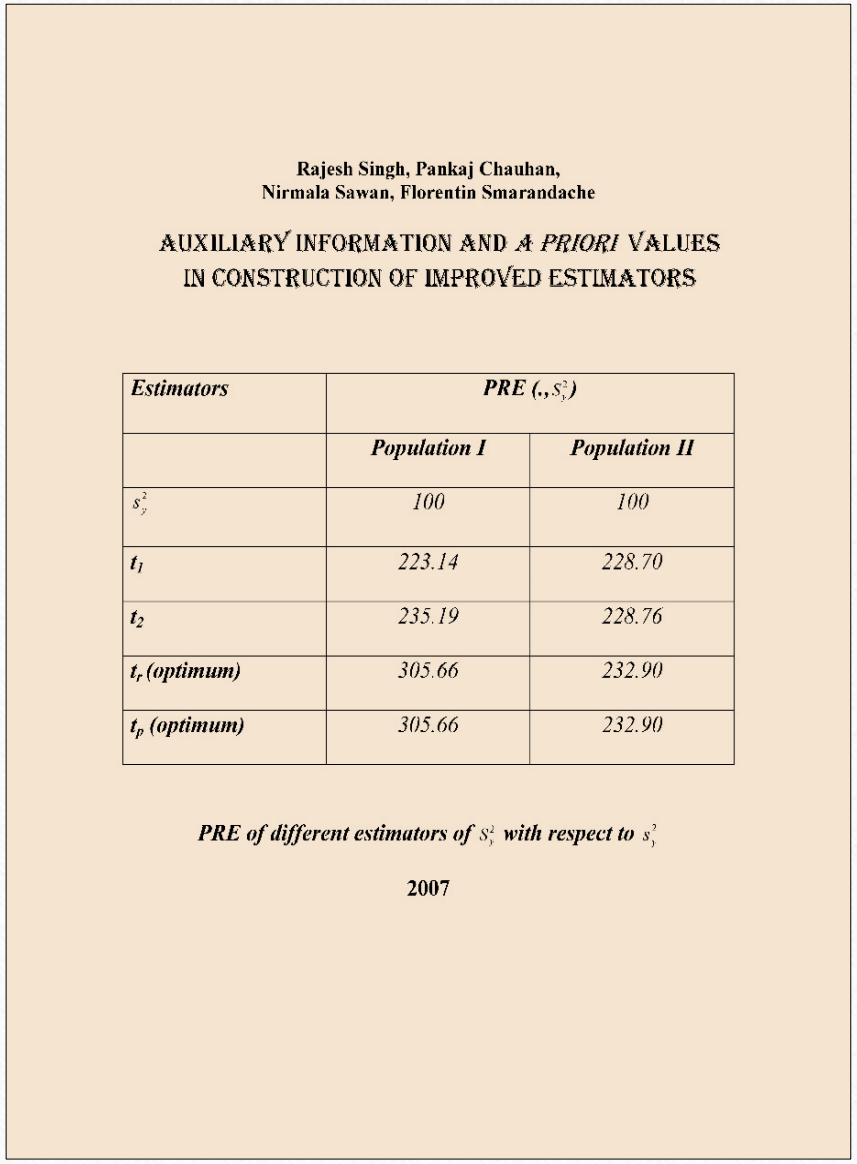
Computational models pervade all branches of the exact sciences and have in recent times also started to prove to be of immense utility in some of the traditionally 'soft' sciences like ecology, sociology and politics.

This volume is a collection of a few cutting edge research papers on the application of variety of computational models and tools in the analysis, interpretation and solution of vexing real-world problems and issues in economics, management, ecology and global politics by some prolific researchers in the field.

Papers here investigate the efficiency of an alternative to ratio estimator under the super population model with uncorrelated errors and a gamma-distributed auxiliary variable. Comparisons with usual ratio and unbiased estimators are also made.

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Rajesh Singh, Pankaj Chauhan,
Nirmala Sawan, Florentin Smarandache

AUXILIARY INFORMATION AND *A PRIORI* VALUES
IN CONSTRUCTION OF IMPROVED ESTIMATORS

Estimators	*PRE* $(.,S_y^2)$	
	Population I	*Population II*
s_y^2	100	100
t_1	223.14	228.70
t_2	235.19	228.76
t_r *(optimum)*	305.66	232.90
t_p *(optimum)*	305.66	232.90

PRE of different estimators of S_y^2 *with respect to* s_y^2

2007

Rajesh Singh, Pankaj Chauhan, Nirmala Sawan, Florentin Smarandache: **Auxiliary Information and A Priori Values in Construction of Improved Estimators.** Ann Arbor, MI, USA: Renaissance High Press, 2007, 73 p.

Keywords: Estimators, Estimation, Ratio Type Estimators, Random Sampling, Finite Population, Auxiliary Attributes, Auxiliary Information, A Priori Values, Improved Estimators.

This volume is a collection of six papers on the use of auxiliary information and a priori values in construction of improved estimators. The work included here will be of immense application for researchers and students who employ auxiliary information in any form.

Prior knowledge about population mean along with coefficient of variation of the population of an auxiliary variable is known to be very useful particularly when the ratio, product and regression estimators are used for estimation of population mean of a variable of interest. However, the fact that the known population proportion of an attribute also provides similar type of information has not drawn as much attention. In fact, such prior knowledge can also be very useful when a relation between the presence (or absence) of an attribute and the value of a variable, known as point biserial correlation, is observed.

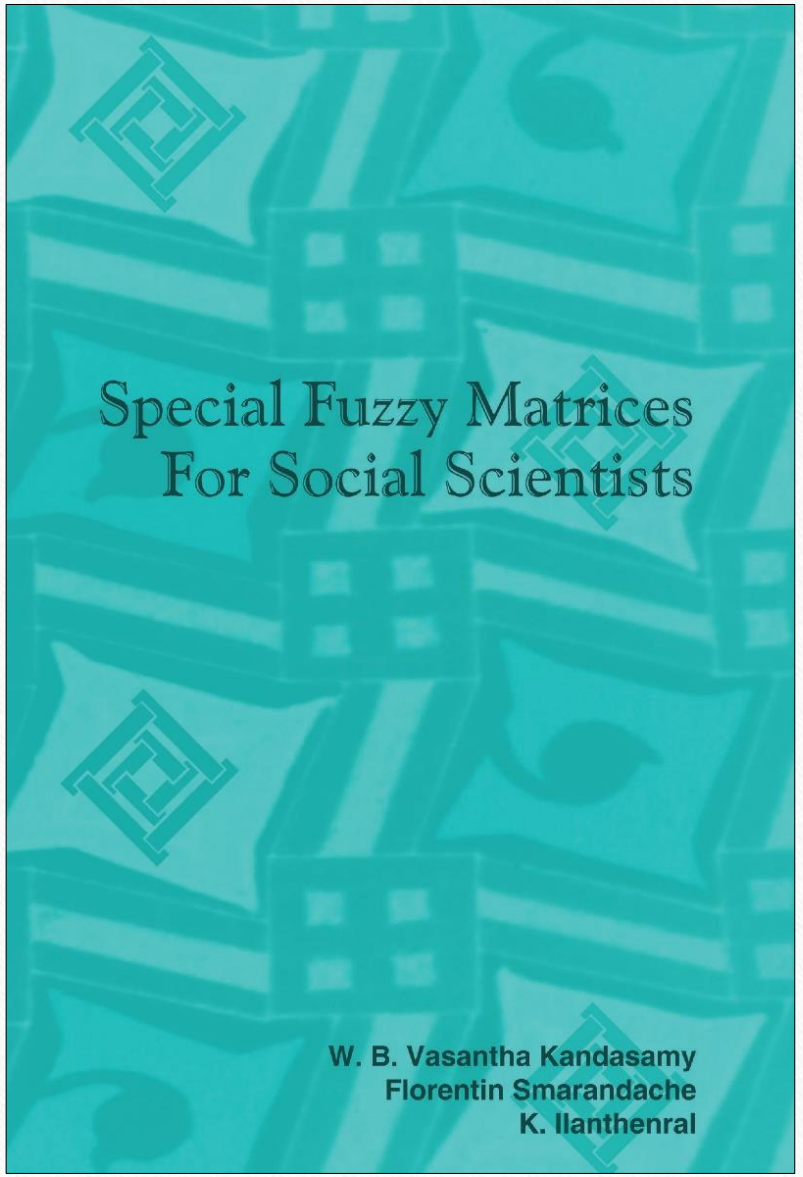
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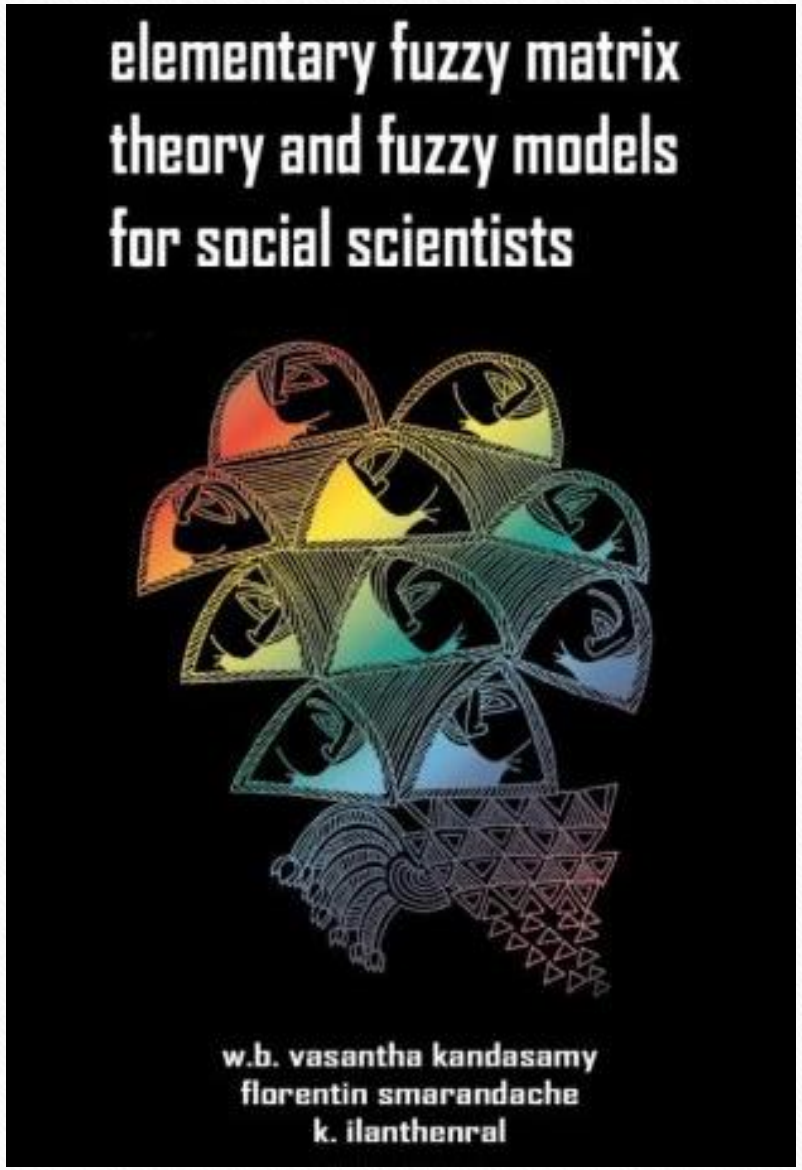
W. B. Vasantha Kandasamy, Florentin Smarandache, K. Ilanthenral: **Special Fuzzy Matrices for Social Scientists**. Ann Arbor, MI, USA: InfoLearnQuest, 2007, 300 p.

Keywords: Fuzzy Matrix, Special Fuzzy Matrix, Special Neutrosophic Matrix, Neutrosophic Structures, Neutrosophic Cognitive Map, Neutrosophic Relational Map, Binary Neutrosophic Relation, Special Fuzzy Cognitive Models, Programming.

This book is a continuation of the book "Elementary fuzzy matrix and fuzzy models for socio-scientists" by the same authors. This book is a little advanced because we introduce a multi-expert fuzzy and neutrosophic models. It mainly tries to help social scientists to analyze any problem in which they need multi-expert systems with multi-models. To cater to this need, we have introduced new classes of fuzzy and neutrosophic special matrices. The first chapter is essentially spent on introducing the new notion of different types of special fuzzy and neutrosophic matrices, and the simple operations on them which are needed in the working of these multi expert models. In the second chapter, new set of multi expert models are introduced; these special fuzzy models and special fuzzy neutrosophic models that can cater to adopt any number of experts. The working of the model is also explained by illustrative examples. However, these special fuzzy models can also be used by applied mathematicians to study social and psychological problems. These models can also be used by doctors, engineers, scientists and statisticians. The SFCM, SMFCM, SNCM, SMNCM, SFRM, SNRM, SMFRM, SMNRM, SFNCMs, SFNRMs, etc. can give the special hidden pattern for any given special input vector.

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http://fs.unm.edu/FuzzyMatrices.pdf





W. B. Vasantha Kandasamy, Florentin Smarandache, K. Ilanthenral: **Elementary Fuzzy Matrix Theory and Fuzzy Models for Social Scientists**. Los Angeles, CA, USA: Automaton, 2007, 350 p.

Keywords: Fuzzy Cognitive Maps, Fuzzy Relational Maps, Fuzzy Associative Memories, Fuzzy Relational Equations, Basic Matrix Theory, Fuzzy Matrix Theory.

This book aims to assist social scientists to analyze their problems using fuzzy models. The basic and essential fuzzy matrix theory is given. The book does not promise to give the complete properties of basic fuzzy theory or basic fuzzy matrices. Instead, the authors have only tried to give those essential basically needed to develop the fuzzy model.

The authors do not present elaborate mathematical theories to work with fuzzy matrices; instead they have given only the needed properties by way of examples. The authors feel that the book should mainly help social scientists who are interested in finding out ways to emancipate the society. Everything is kept at the simplest level and even difficult definitions have been omitted. Another main feature of this book is the description of each fuzzy model using examples from real-world problems. Further, this book gives lots of references so that the interested reader can make use of them.

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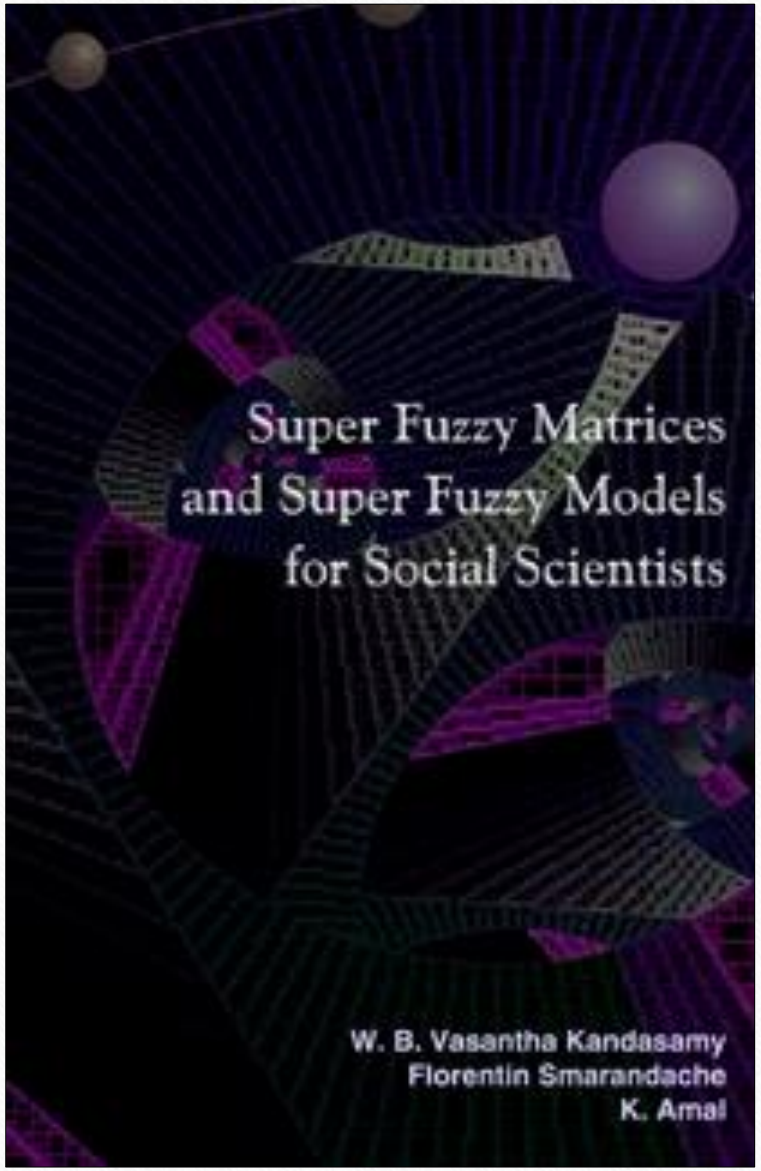
W. B. Vasantha Kandasamy, Florentin Smarandache, K. Amal: **Super Fuzzy Matrices and Super Fuzzy Models for Social Scientists**. Ann Arbor, MI, USA: InfoLearnQuest, 2008, 280 p.

Keywords: Supermatrix, Fuzzy Cognitive Maps, Fuzzy Relational Maps, Bidirectional Associative Memories, Fuzzy Associative Memories.

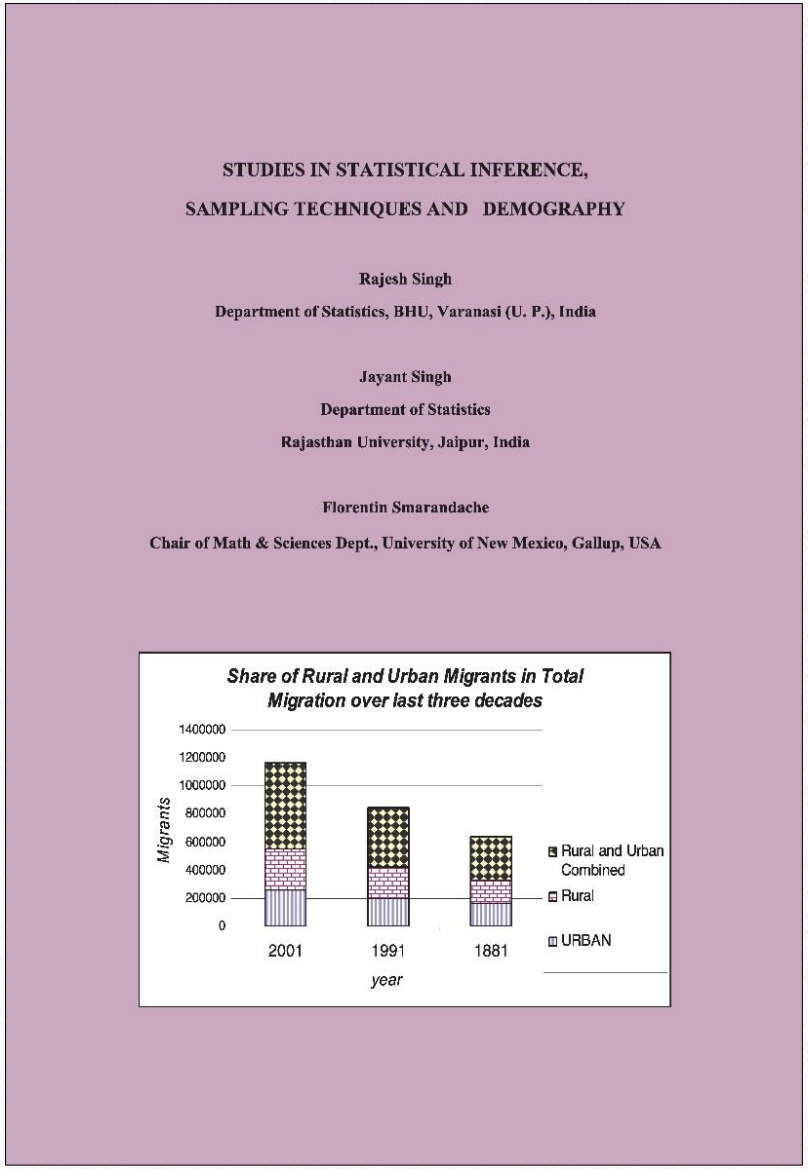
The concept of supermatrix for social scientists was first introduced by Paul Horst. The main purpose of his book was to introduce this concept to social scientists, students, teachers and research workers who lacked mathematical training. He wanted them to be equipped in a branch of mathematics that was increasingly valuable for the analysis of scientific data. This book introduces the concept of fuzzy super matrices and operations on them. The author has provided only those operations on fuzzy supermatrices that are essential for developing super fuzzy multi expert models. We do not indulge in labourious use of suffixes or superfixes and difficult notations; instead we illustrate the working by simple examples.

This book will be highly useful to social scientists who wish to work with multi expert models. An important feature of this book is its simple approach. Illustrations are given to make the method of approach to the problems easily understandable. Super fuzzy models using Fuzzy Cognitive Maps, Fuzzy Relational maps, Bidirectional Associative Memories and Fuzzy Associative Memories are defined here. Every model is a multi expert model. This book will certainly be a boon not only to social scientists but also to engineers, students, doctors and researchers. The authors introduce thirteen multi expert models using the notion of fuzzy supermatrices. These models are also described by illustrative examples.

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http://fs.unm.edu/SuperFuzzyMatrices.pdf



Download from The Science Library at University of New Mexico – Gallup: http://fs.unm.edu/StatisticalInference.pdf



Rajesh Singh, Jayant Singh, Florentin Smarandache: **Studies in Statistical Inference, Sampling Techniques and Demography**. Ann Arbor, MI, USA: InfoLearnQuest, 2009, 62 p.

Keywords: Chain-ratio Type Estimator, Estimating Population, Statistical Inference, Migration, Jaipur, Sampling Techniques, Demography, Auxiliary Variables.

This volume is a collection of five papers. Two chapters deal with problems in statistical inference, two with inferences in finite population, and one deals with demographic problem. The ideas included here will be useful for researchers doing works in these fields. The following problems have been discussed in the book:

Chapter 1. In this chapter optimum statistical test procedure is discussed. The test procedures are optimum in the sense that they minimize the sum of the two error probabilities as compared to any other test. Several examples are included to illustrate the theory.
Chapter 2. In testing of hypothesis situation if the null hypothesis is rejected will it automatically imply alternative hypothesis will be accepted? This problem has been discussed by taking examples from normal distribution.
Chapter 3. In this section improved chain-ratio type estimator for estimating population mean using some known values of population parameter(s) has been discussed. The proposed estimators have been compared with two-phase ratio estimator and some other chain ratio type estimators.
Chapter 4. In this section we have analysed exponential ratio and exponential product type estimators using two auxiliary variables are proposed for estimating unknown population variance. Problem is extended to the case of two-phase sampling.
Chapter 5. In this section structural dynamics of various causes of migration in Jaipur was analysed. Reasons of migration from rural to urban areas and that of males and females are studied.

Rajesh Singh, Florentin Smarandache: **Studies in Sampling Techniques and Time Series Analysis**. Columbus, OH, USA: Zip Publishing, 2011, 70 p.

Keywords: Time Series, Estimation, Estimators, Finite Population, Stratified Sampling, Population Variance, Allocation Schemes, Water Pollution.

This book has been designed for students and researchers who are working in the field of time series analysis and estimation in finite population. There are papers by Rajesh Singh, Florentin Smarandache, Shweta Maurya, Ashish K. Singh, Manoj Kr. Chaudhary, V. K. Singh, Mukesh Kumar and Sachin Malik.

The book is divided in five chapters as follows:

Chapter 1. Water pollution is a major global problem. In this chapter, time series analysis is carried out to study the effect of certain pollutants on water of Ramgarh Lake of Rajasthan, India.

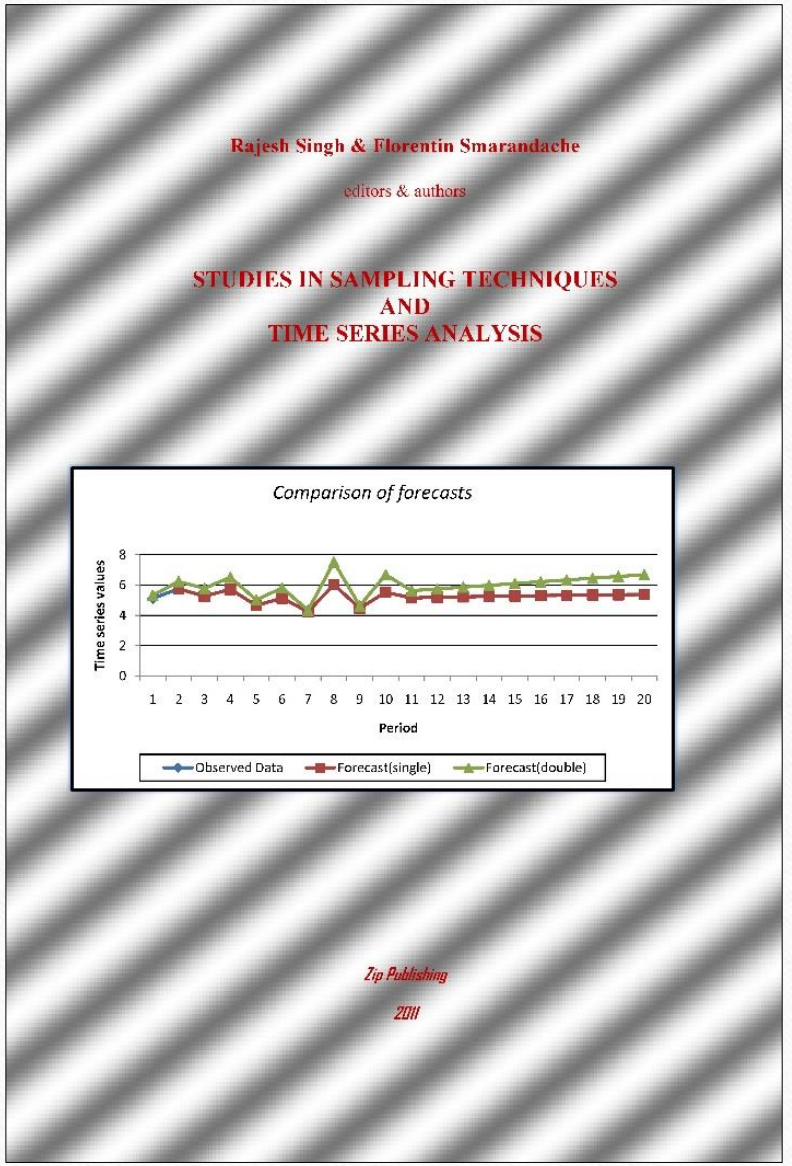
Chapter 2. In this chapter family of factor-type estimators for estimating population mean of stratified population in the presence of non-response has been discussed. Choice of appropriate estimator in the family in order to get a desired level of accuracy in presence of no-response is worked out.

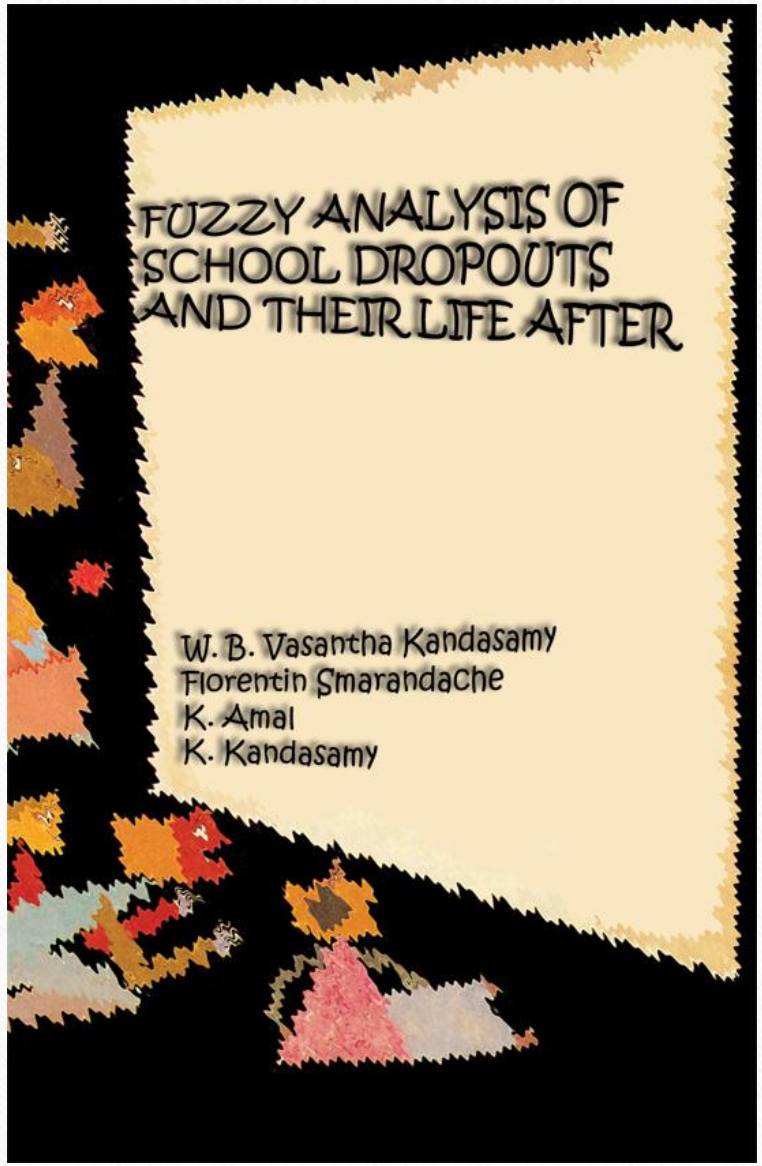
Chapter 3. In this chapter our aim is to discuss the existing allocation schemes in presence of non-response and to suggest some new allocation schemes utilizing the knowledge of response and non-response rates of different strata.

Chapter 4. In this chapter, we have suggested an improved estimator for estimating the population mean in stratified sampling in presence of auxiliary information.

Chapter 5. In this chapter we have proposed some estimators for the population variance of the variable under study, which make use of information regarding the population proportion possessing certain attribute.

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http://fs.unm.edu/TimeSeriesAnalysis.pdf





W. B. Vasantha Kandasamy, Florentin Smarandache, K. Amal, K. Kandasamy: **Fuzzy Analysis of School Dropouts and their Life After**. Columbus, OH, USA: Educational Publisher, 2013, 146 p.

Keywords: School Dropouts, Child Labourers, Beggars, Rag Pickers, Fuzzy Models, Education.

In this book authors study and analyze the problem of school dropouts and their life after. The problems can by no means be analyzed by collecting the numerical data. For such data can only serve as information beyond that the data can be of no use, for the school dropouts suffer an environment change after becoming a school dropout. Thus the emotions of the school dropout; is technically involved. In this book we do not deal with school dropouts who are mostly male children who are trained as miscreants or killed for organ trade. We deal only with those school children who become child labourers or beggars or rag pickers and so on. We have used fuzzy models to study the collected data from these school dropouts. Several fuzzy models are used in this study. At this juncture the authors want to keep in record all the opinions are from researchers, teachers, educationalists, parents, socioscientists, school dropouts themselves and public. The authors have only processed the data using mathematical models to obtain suggestions to save these school dropouts and to minimize the school dropouts.

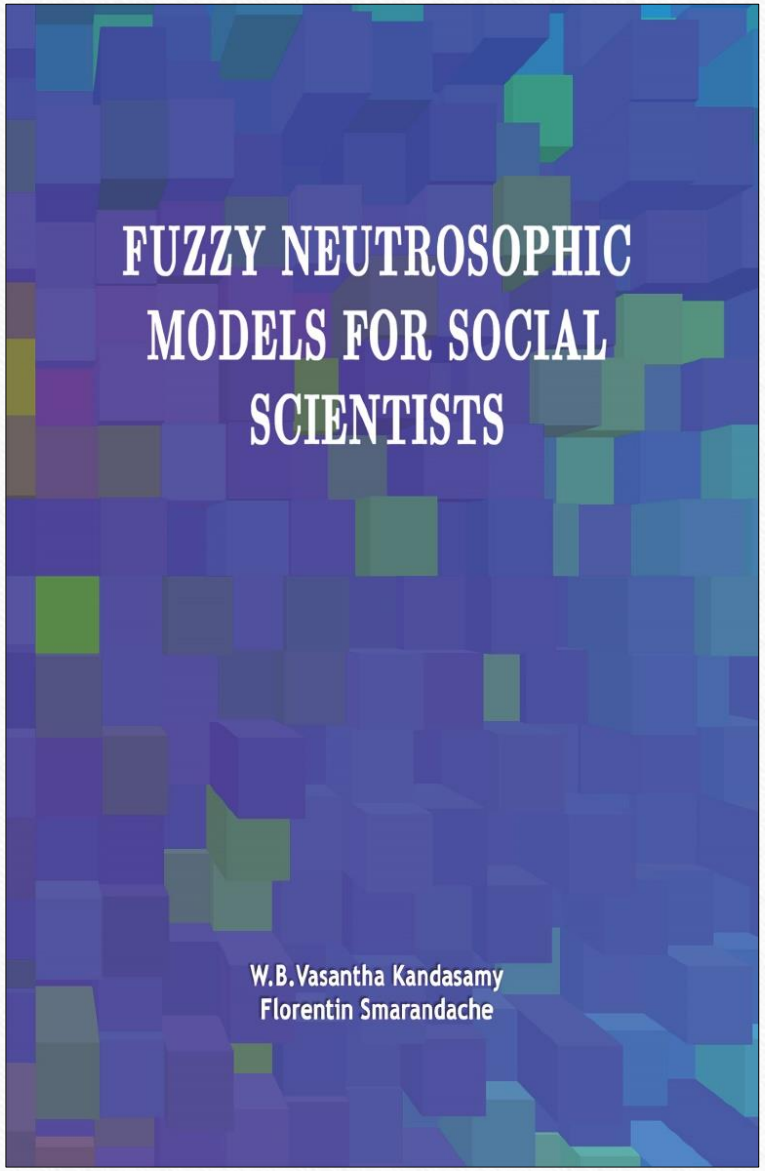
Download from The Science Library at University of New Mexico – Gallup:
http://fs.unm.edu/FuzzyAnalysisOfSchoolDropouts.pdf

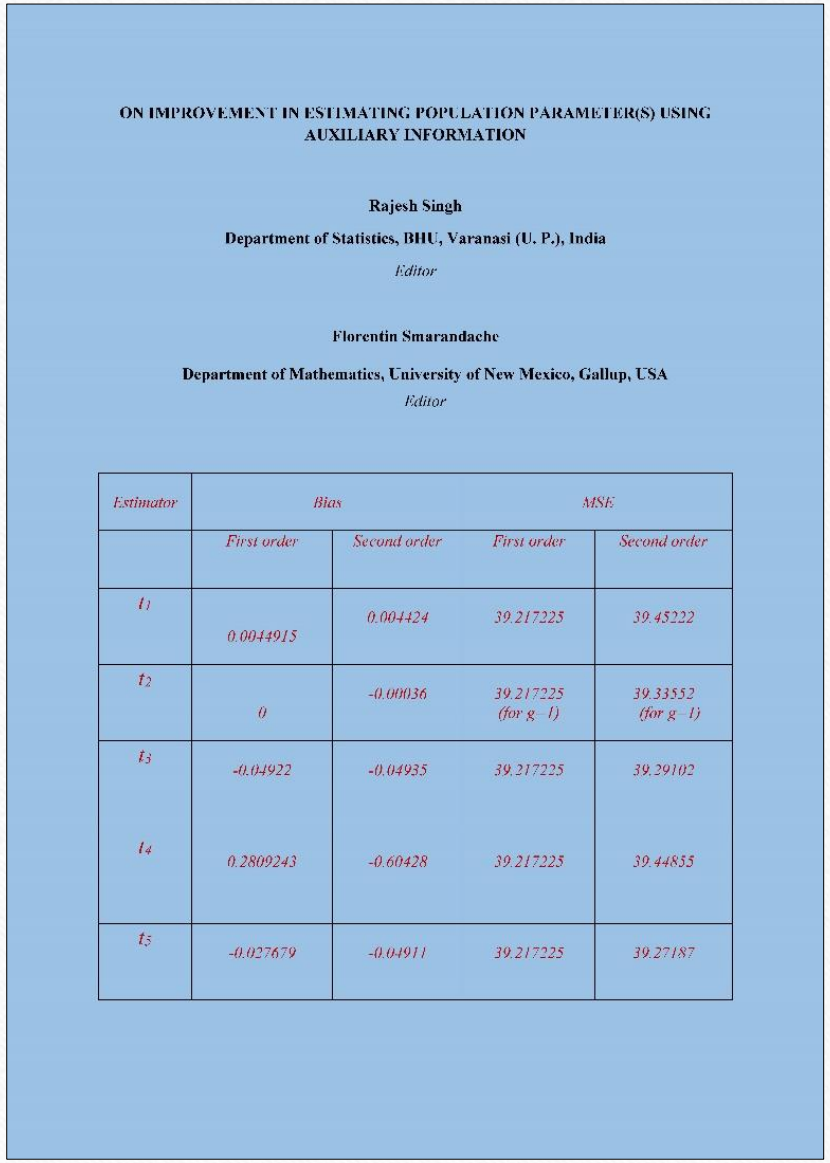
W. B. Vasantha Kandasamy, Florentin Smarandache: **Fuzzy Neutrosophic Models for Social Scientists**. Columbus, OH, USA: Educational Publisher, 2013, 167 p.

Keywords: Fuzzy Cognitive Map, Fuzzy Relational Map, Fuzzy Relational Equations, Fuzzy Associative Memories, Bidirectional Associative Memories.

In this book, authors give the notion of different neutrosophic models like, neutrosophic cognitive maps (NCMs), neutrosophic relational maps (NEMs), neutrosophic relational equations (NREs), neutrosophic bidirectional associative memories (NBAMs) and neutrosophic associative memories (NAMs) for socio scientists. The first chapter introduces the basic concepts of neutrosophic numbers and notions about neutrosophic graphs which are essential to construct these neutrosophic models. In chapter two we describe the concept of neutrosophic matrices and the essential operations related with them which are used in the study and working of these neutrosophic models. However the reader must be familiar with the notions of Fuzzy Cognitive Maps (FCMs) model, Fuzzy Relational Maps (FRMs) model, Fuzzy Relational Equations (FREs), Fuzzy Associative Memories (FAMs) and Bidirectional Associative Memories (BAMs) to follow this book without any difficulty. In chapter three we introduce the notion of Neutrosophic Cognitive Maps (NCMs) model and Neutrosophic Relational Maps (NRMs) model. Definitions and examples of this concept are given. Further modified NCMs, modified NRMs, combined disjoint block NRMs and NCMs, overlap block NCMs and NRMs and linked NRMs are defined, described and developed in this chapter. In chapter four the notion of Neutrosophic Relational Equations (NREs) are introduced and illustrated with examples. In chapter five we introduce the Neutrosophic Bidirectional Associative Memories (NBAMs) model. Using the concept of n-adaptive neutrosophic models the authors shift from NRMs to NBRMs and vice versa. In the final chapter the authors deal with the notion of NAMs and show they are also n-adaptive structures.

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ON IMPROVEMENT IN ESTIMATING POPULATION PARAMETER(S) USING AUXILIARY INFORMATION

Rajesh Singh

Department of Statistics, BHU, Varanasi (U. P.), India

Editor

Florentin Smarandache

Department of Mathematics, University of New Mexico, Gallup, USA

Editor

Estimator	Bias		MSE	
	First order	Second order	First order	Second order
t_1	0.0044915	0.004424	39.217225	39.45222
t_2	0	-0.00036	39.217225 (for g=1)	39.33552 (for g=1)
t_3	-0.04922	-0.04935	39.217225	39.29102
t_4	0.2809243	-0.60428	39.217225	39.44855
t_5	-0.027679	-0.04911	39.217225	39.27187

Rajesh Singh, Florentin Smarandache: **On Improvement in Estimating Population Parameter(s) Using Auxiliary Information**. Beijing, China: Educational Publishing & Journal of Matter Regularity, 2013, 64 p.

Keywords: Estimation, Ratio Type Estimators, Random Sampling, Finite Population, Auxiliary Attributes.

The purpose of writing this book is to suggest some improved estimators using auxiliary information in sampling schemes like simple random sampling and systematic sampling.

This volume is a collection of five papers, written by eight coauthors (listed in the order of the papers): Manoj K. Chaudhary, Sachin Malik, Rajesh Singh, Florentin Smarandache, Hemant Verma, Prayas Sharma, Olufadi Yunusa, and Viplav Kumar Singh, from India, Nigeria, and USA. In chapter one an estimator in systematic sampling using auxiliary information is studied in the presence of non-response. In second chapter some improved estimators are suggested using auxiliary information. In third chapter some improved ratio-type estimators are suggested and their properties are studied under second order of approximation. In chapter four and five some estimators are proposed for estimating unknown population parameter(s) and their properties are studied.

This book will be helpful for the researchers and students who are working in the field of finite population estimation.

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http://fs.unm.edu/ImprovementInEstimation.pdf

Rajesh Singh, Florentin Smarandache (ed.): **The Efficient Use of Supplementary Information in Finite Population Sampling**. Columbus, OH, USA: Educational Publisher, 2014, 71 p.

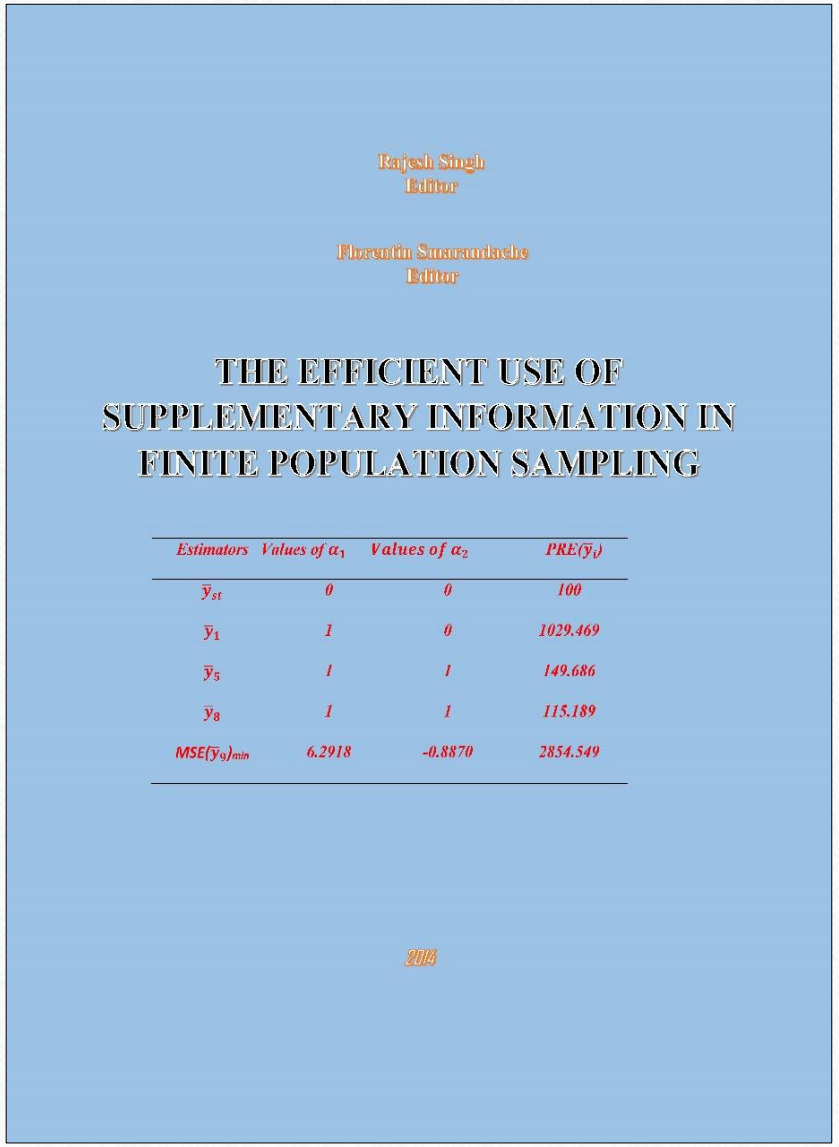
Keywords: Estimators, Estimation, Improved Estimators, Random Sampling, Auxiliary Attributes.

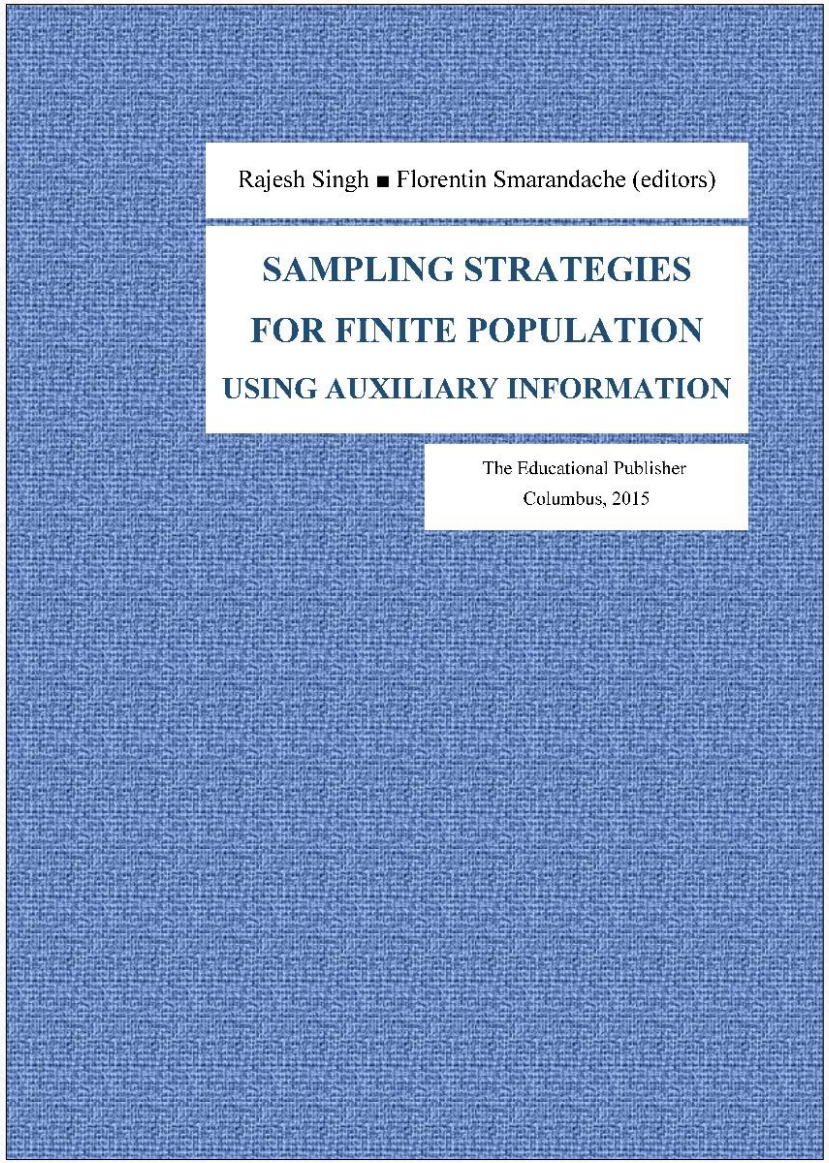
The purpose of writing this book is to suggest some improved estimators using auxiliary information in sampling schemes like simple random sampling, systematic sampling and stratified random sampling.

This volume is a collection of five papers, written by nine co-authors (listed in the order of the papers): Rajesh Singh, Mukesh Kumar, Manoj Kr. Chaudhary, Cem Kadilar, Prayas Sharma, Florentin Smarandache, Anil Prajapati, Hemant Verma, and Viplav Kr. Singh.

In first paper dual to ratio-cum-product estimator is suggested and its properties are studied. In second paper an exponential ratio-product type estimator in stratified random sampling is proposed and its properties are studied under second order approximation. In third paper some estimators are proposed in two-phase sampling and their properties are studied in the presence of non-response. In fourth chapter a family of median based estimator is proposed in simple random sampling. In fifth paper some difference type estimators are suggested in simple random sampling and stratified random sampling and their properties are studied in presence of measurement error.

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Rajesh Singh, Florentin Smarandache (ed.): **Sampling Strategies for Finite Population using Auxiliary Information**. Columbus, OH, USA: Educational Publisher, 2015, 64 p.

Keywords: Estimators, Estimation, Improved Estimators, Ratio Type Estimators, Random Sampling, Finite Population, Auxiliary Attributes.

The present book aims to present some improved estimators using auxiliary and attribute information in case of simple random sampling and stratified random sampling and in some cases when non-response is present.

The first and the second papers deal with the problem of estimating the finite population mean when some information on two auxiliary attributes are available. In the third paper, problems related to estimation of ratio and product of two population mean using auxiliary characters with special reference to non-response are discussed. In the fourth paper, the use of coefficient of variation and shape parameters in each stratum, the problem of estimation of population mean has been considered. In the fifth paper, a study of improved chain ratio-cum-regression type estimator for population mean in the presence of non-response for fixed cost and specified precision has been made.

Contributors:
Papers by Sachin Malik, Rajesh Singh, Florentin Smarandache, B. B. Khare, P. S. Jha, Usha Srivastava, Habib Ur. Rehman.

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Sachin Malik, Neeraj Kumar, Florentin Smarandache (ed.): **Uses of Sampling Techniques & Inventory Control with Capacity Constraints**. Brussels, Belgium: Pons, 2016, 90 p.

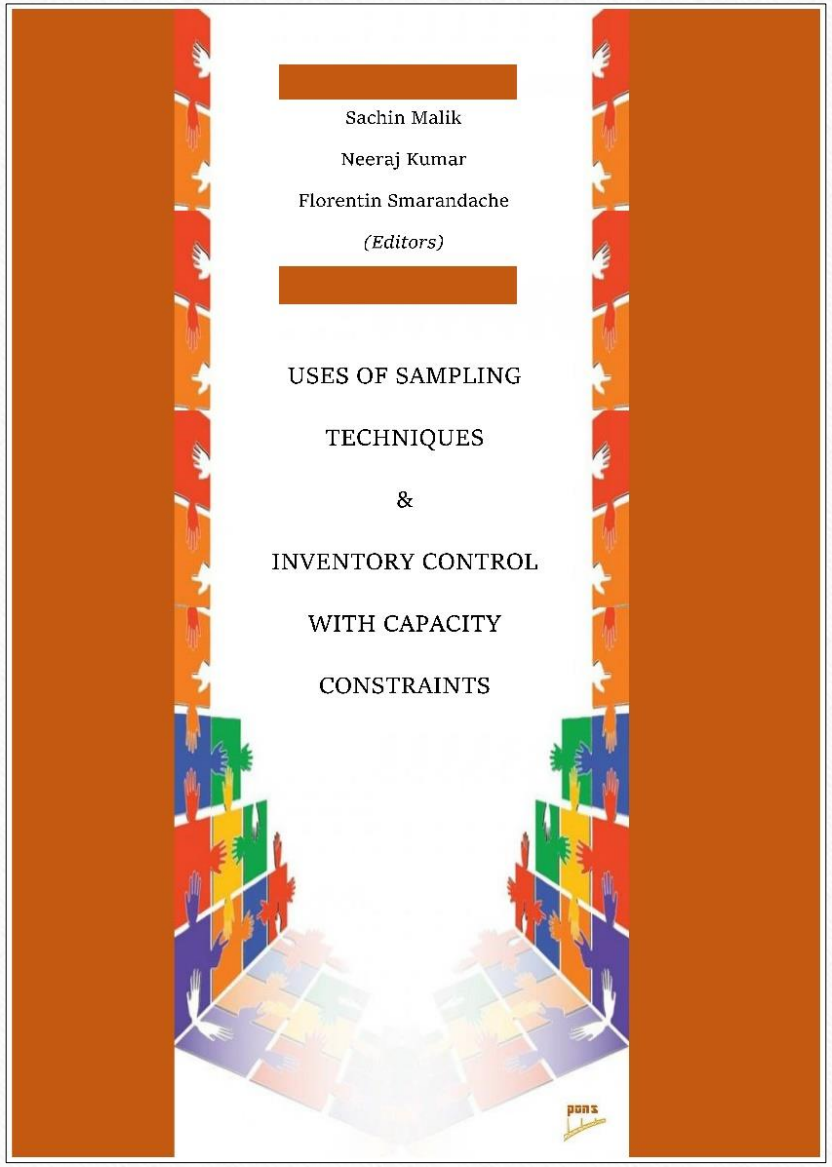
Keywords: Estimators, Estimation, Stratified Random Sampling, Ratio Type Estimators, Random Sampling, Finite Population, Auxiliary Attributes.

The main aim of the present book is to suggest some improved estimators using auxiliary and attribute information in case of simple random sampling and stratified random sampling and some inventory models related to capacity constraints.

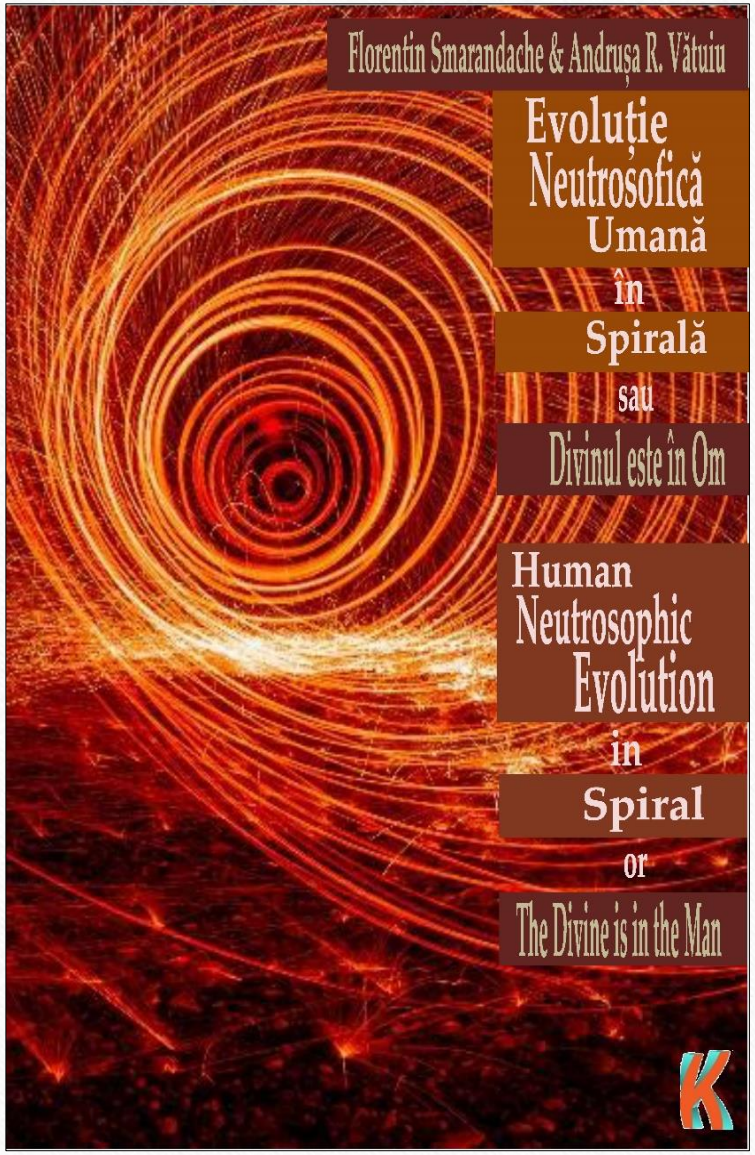
This volume is a collection of six papers, written by five co-authors (listed in the order of the papers): Dr. Rajesh Singh, Dr. Sachin Malik, Dr. Florentin Smarandache, Dr. Neeraj Kumar, Mr. Sanjey Kumar & Pallavi Agarwal.

In the first chapter authors suggest an estimator using two auxiliary variables in stratified random sampling for estimating population mean. In second chapter they proposed a family of estimators for estimating population means using known value of some population parameters. In Chapter third an almost unbiased estimator using known value of some population parameter(s) with known population proportion of an auxiliary variable has been used. In Chapter four authors investigates a fuzzy economic order quantity model for two storage facility. The demand, holding cost, ordering cost, storage capacity of the own - warehouse are taken as a trapezoidal fuzzy numbers and in Chapter five a two-warehouse inventory model deals with deteriorating items, with stock dependent demand rate and model affected by inflation under the pattern of time value of money over a finite planning horizon. Shortages are allowed and partially backordered depending on the waiting time for the next replenishment. The purpose of this model is to minimize the total inventory cost by using Genetic algorithm.

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Florentin Smarandache, Andrușa R. Vătuiu: **Evoluție Neutrosofică Umană în Spirală sau Divinul este în Om / Human Neutrosophic Evolution in Spiral or The Divine is in the Man**. *Ediție bilingvă română – engleză / Romanian – English bilingual edition*. Oradea, Romania: Kalendarium, 2019, 266 p.

Keywords: Neutrosophy, Neutrosophic Evolution, Biology, Noninertial Multirelativity, Parameterized Special Theory of Relativity, Smarandache Hypothesis, Biomechanics.

Viitorul nu poate fi decât al Evoluției Neutrosofice Spiralice:
- de la inferior (<A>) la superior (<antiA>) [evoluție],
- și înapoi [involuție] spre un melanj de inferior și superior (<neutA>),
- iar de-a lungul vremii întâlnim și stagnare (nici evoluție, nici involuție) sau neclaritate (dacă este evoluție sau involuție) [indeterminare]…
și tot așa ca într-o spirală.
Așadar: evoluție / involuție / indeterminare la un nivel; urmată de alt ciclu similar: evoluție / involuție / indeterminare dar la alt nivel, superior… și tot așa, spiralic, la infinit.

The future can only be the Spiral Neutrosophic Evolution:
- from inferior (<A>) to superior (<antiA>) [evolution],
- and back [involution] to an inferior and superior melange (<neutA>),
- and over time we encounter stagnation (no evolution, no involution) or uncertainty (if it is evolution or involution) [indetermination] ...
and so on, in a spiral.
Therefore:
evolution / involution / indetermination at a level; followed by another similar cycle: evolution / involution / indetermination but to another level, superior ... and so, spirally, to infinity.

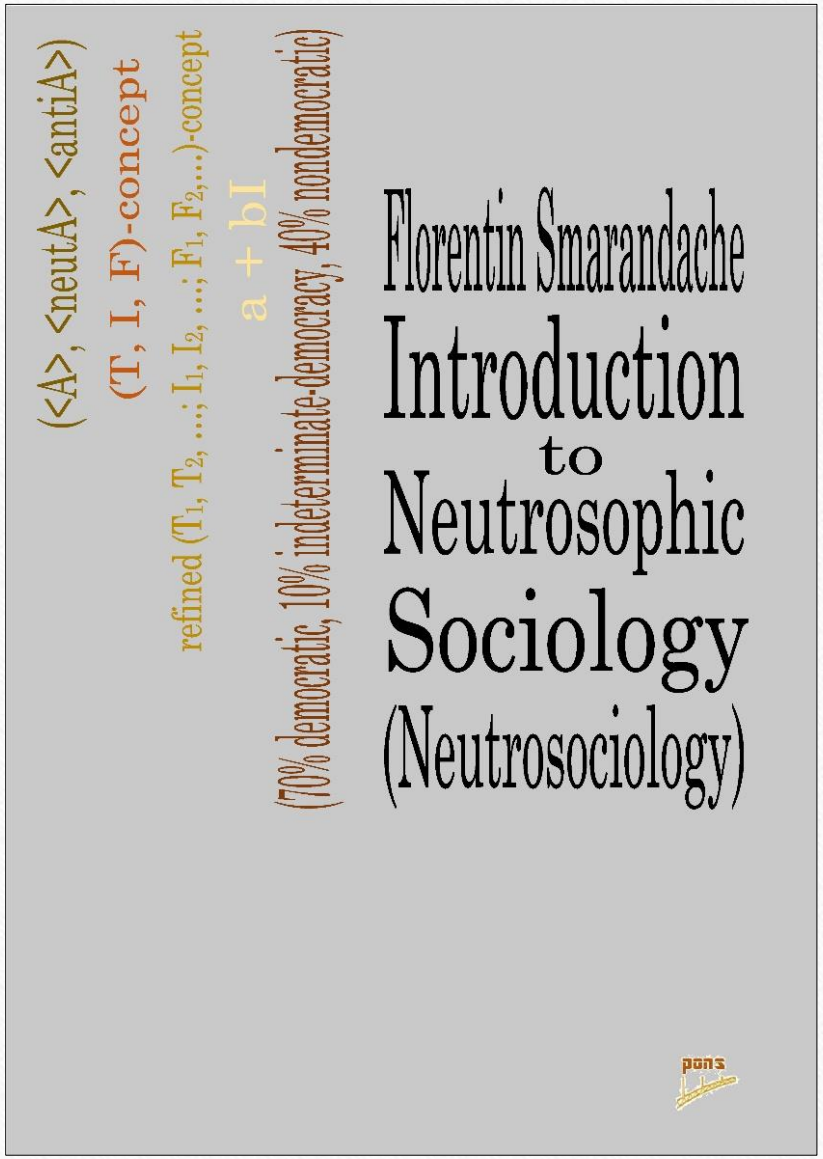
Florentin Smarandache: **Introduction to Neutrosophic Sociology (Neutrosociology).** Brussels, Belgium: Pons, 2019, 78 p.

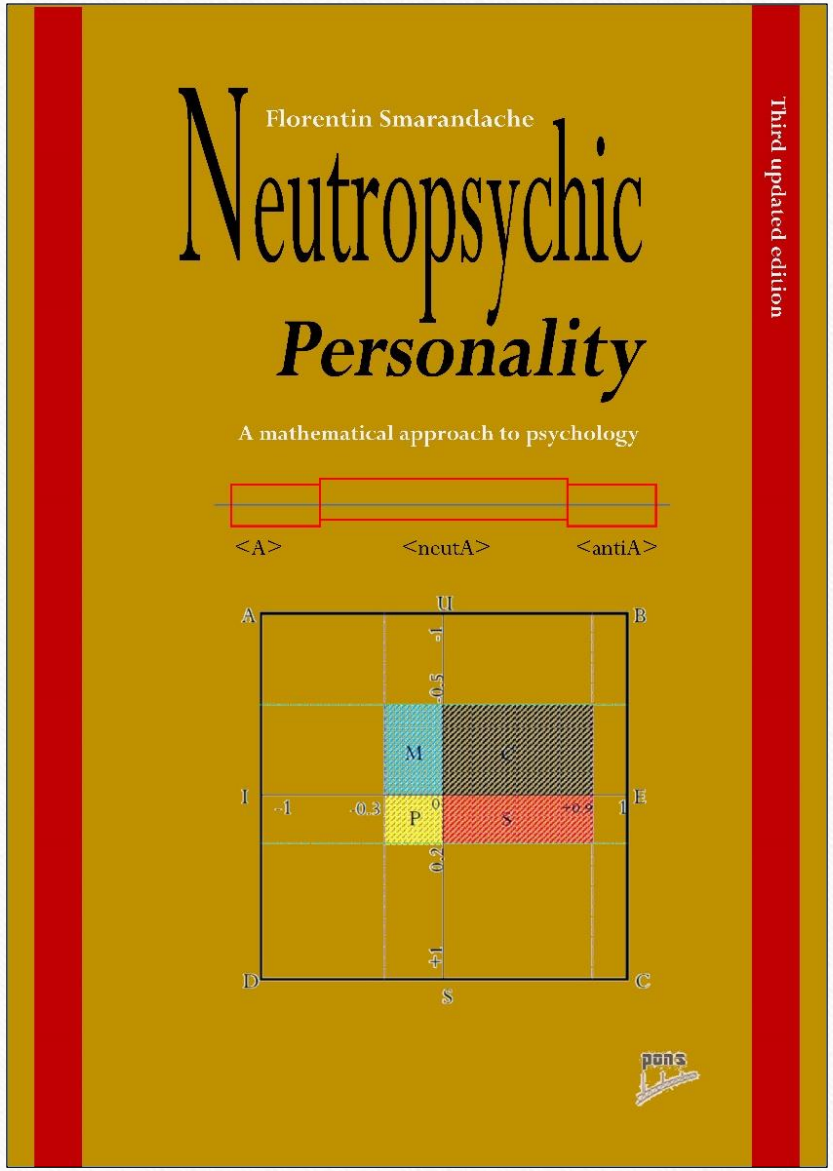
Keywords: Neutrosophy, Neutrosophic Sociology, Neutrosociology, Neutrosophic Logic, Neutrosophic Set, Neutrosophic Statistics, Neutrosophic Analysis, Neutrosophic Measure.

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Neutrosophic Sociology (or Neutrosociology) is the study of sociology using neutrosophic scientific methods. The huge social data that we face in sociology is full of indeterminacy: it is vague, incomplete, contradictory, hybrid, biased, ignorant, redundant, superfluous, meaningless, ambiguous, unclear, etc. That's why the neutrosophic sciences (which deal with indeterminacy), through the process of neutrosophication, are involved, such as: neutrosophy (a new branch of philosophy), neutrosophic set, neutrosophic logic, neutrosophic probability and neutrosophic statistics, neutrosophic analysis, neutrosophic measure, and so on. Neutrosophy studies only the triads (<A>, <neutA>, <antiA>), where <A> is an item or a concept, that make sense in the real world.

The process of neutrosophication means:
- converting a crisp concept {i.e. (1, 0, 0)-concept, which means concept that is 100% true, 0% indeterminate, and 0% false} into a neutrosophic concept {i.e. (T, I, F)-concept, which is T% true, I% indeterminate, and F% false – which more accurately reflects our imperfect, non-idealistic reality}, or more general into a refined (T1, T2, …; I1, I2, …; F1, F2,…)-concept;
- or the conversion of a crisp (1 or 0), fuzzy (T), or intuitionistic fuzzy (T, F) numbers into a neutrosophic number (T, I, F);
- or the conversion of a crisp (exact) number N into a neutrosophic number of the form N = a + bI, where a is the determinate part of number N and bI the indeterminate part of number N.





Florentin Smarandache: **Neutropsychic Personality**. *A mathematical approach to psychology. Third updated edition.* Brussels, Belgium: Pons, 2018, 131 p.

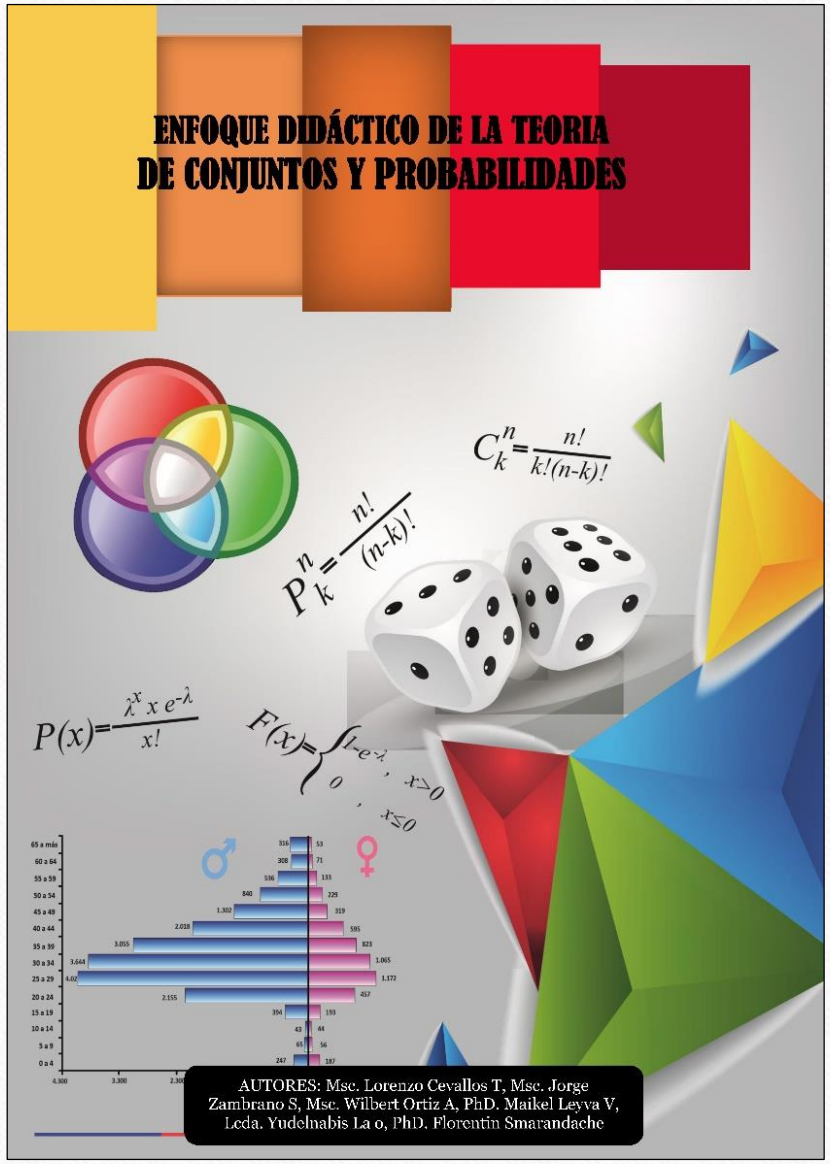
Keywords: Neutrosophy, Neutrosophic Personality, Neutrosophic Logic, Neutrosophic Set, Neutrosophic Statistics, Neutrosophic Analysis, Neutrosophic Psychology, Refined Neutrosophic Memory, Trait Personality, Neutrosophic Evolution, Neutrosophic Psychoanalysis.

Neutropsyche is the psychological theory that studies the soul or spirit using the neutrosophy and neutrosohic theories. Neutropsychic Personality is a neutrosophic dynamic open psychological system of tendencies to feel, think, and act specific to each individual. Neutrosophic Refined Memory: that restructured the division of memory into: consciousness, aconsciousness (which we introduce as a blend of consciousness and unconsciousness), and unconsciousness. In Neutrosophic Psychoanalysis Freud's „id" (das Es) was renamed „under-ego" for a symmetry connection with „ego" and „super-ego" and a part of his Psychoanalysis was extended, while other part rejected. Each individual has a degree of antiTrait and a degree of Trait with respect to each antiTrait-Trait personality pair. Then two Neutrosophic Single-Valued and respectively Interval-Valued Diagrams were constructed, that were extended to any personality dimension $n \geq 1$, where n is the number of antiTrait-Trait pairs. The Trait Personality manifests a Neutrosophic Evolution: with Degrees of Evolution, Indeterminacy, and Involution. Through adaptation and due to social selection, some personality traits evolve (and the genes that cause them come into expression), others remain unchanged (neutral) or their change is unclear or indeterminate as in neutrosophy (and the genes that cause them stay the same or their change is unclear), and a third category of personality traits - not or less needed in the new environment – involve (and the genes that cause them come off their expression).

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http://fs.unm.edu/NeutropsychicPersonality-ed3.pdf

Lorenzo Cevallos, Jorge Zambrano, Wilbert Ortiz, Maikel Leyva-Vázquez, Yudelnabis La O Mendoza, Florentin Smarandache: **Enfoque didáctico de la Teoria de Conjuntos y Probabilidades**. Brussels, Belgium: Pons, 2018, 278 p.

Keywords: Teoría de conjuntos, Conjuntos, Cardinalidad, Cuantificadores, Conjunto potencia, Subconjunto.

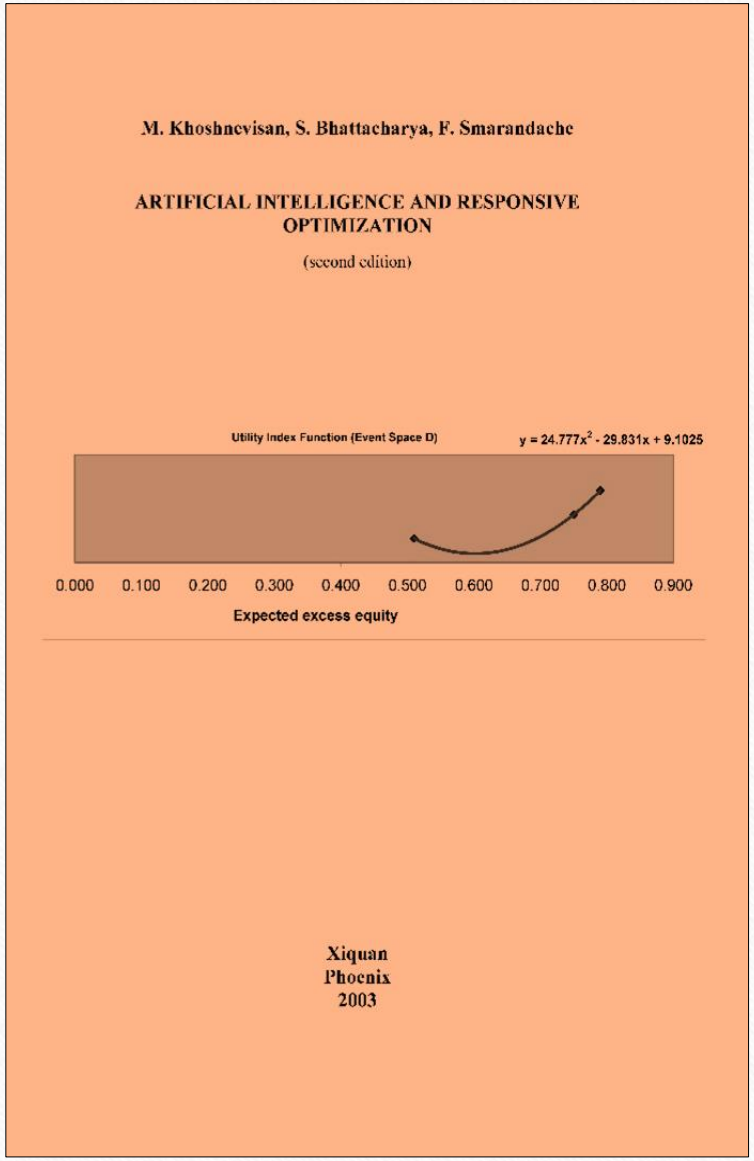


En el desarrollo de este capítulo vamos a definir ciertos conceptos principales de la teoría de conjuntos, los cuales son primordiales para la comprensión de este tema.

La teoría de conjuntos es una rama de las matemáticas, y cuya dedicación de este capítulo, es gracias al matemático, Ferdinand Ludwing Philipp Cantor, quien es considerado el padre de la Teoría de Conjuntos, debido a ello, es que, en el año 1874, salió su primer trabajo revolucionario, con respecto a la teoría de conjuntos.

En conclusión, el objetivo de este capítulo es utilizar un lenguaje simbólico a partir de un lenguaje común, con la finalidad de efectuar las distintas operaciones entre los conjuntos, y de esta manera ayudar a la comprensión del tema.

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http://fs.unm.edu/TeoriaConjuntosProbabilidades.pdf



M. Khoshnevisan, S. Bhattacharya, F. Smarandache: **Artificial Intelligence and Responsive Optimization**. Second Edition. Phoenix, AZ, USA: Xiquan, 2003, 85 p.

Keywords: Artificial Intelligence, Artificial Neural Network, Fuzzy System, Neutrosophic System, Alternative Market, Decision-Making, Neutrosophic Logic.

The purpose of this book is to apply the Artificial Intelligence and control systems to different real models. In part 1, we have defined a fuzzy utility system, with different financial goals, different levels of risk tolerance and different personal preferences, liquid assets, etc. A fuzzy system (extendible to a neutrosophic system) has been designed for the evaluations of the financial objectives. We have investigated the notion of fuzzy and neutrosophiness with respect to time management of money. In part 2, we have defined a computational model for a simple portfolio insurance strategy using a protective put and computationally derive the investor's governing utility structures underlying such a strategy under alternative market scenarios. The Arrow-Pratt measure of risk aversion has been used to determine how the investors react towards risk under the different scenarios. In Part 3, it is proposed an artificial classification scheme to isolate truly benign tumors from those that initially start off as benign but subsequently show metastases. A nonparametric artificial neural network methodology has been chosen because of the analytical difficulties associated with extraction of closed-form stochastic-likelihood parameters given the extremely complicated and possibly non-linear behavior of the state variables we have postulated an in-depth analysis of the numerical output and model findings and compare it to existing methods of tumor growth modeling and malignancy prediction. In part 4, an alternative methodological approach has been proposed for quantifying utility in terms of expected information content of the decision-maker's choice set. It is proposed an extension to the concept of utility by incorporating extrinsic utility; which is defined as the utility derived from the element of choice afforded to the decision-maker.

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V. Christianto, F. Smarandache: **Cultural Advantage for Cities: An alternative for developing countries.** Ann Arbor, MI, USA: InfoLearnQuest, 2008, 63 p.

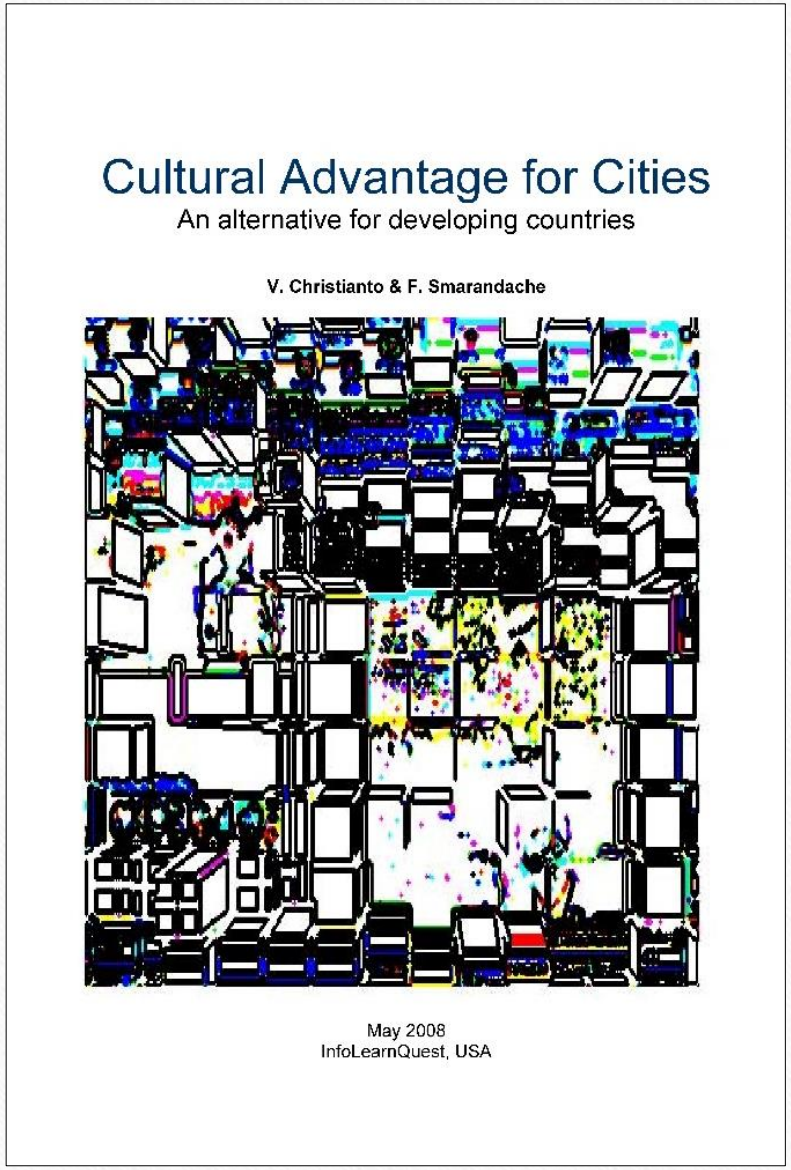
Keywords: Poly-Emporium Theory, Competitive Advantage, Developing Countries.

After more than a decade Michael Porter's book Competitive Advantage of Nations stays ahead of the other books, in particular as alternative framework from the comparative advantage idea inspired by Adam Smith. This small book is merely a small proposition, a postscript perhaps, to Porter's book, with basic idea that one cannot rely merely on industrial processes alone to keep stay ahead of market changes. Hence, for cities in developing countries the municipal shall find out their city's potential resources, and develop their city starting from there, instead of striving blindly in the conventional industrial path. We focus our discussions in this book on cities, because in our opinion a city is the smallest economic entity which has 'auto-poiesis' character. A city can grow by itself, and its administrators can only expect to affect its growth, rather than stop its natural grow path.

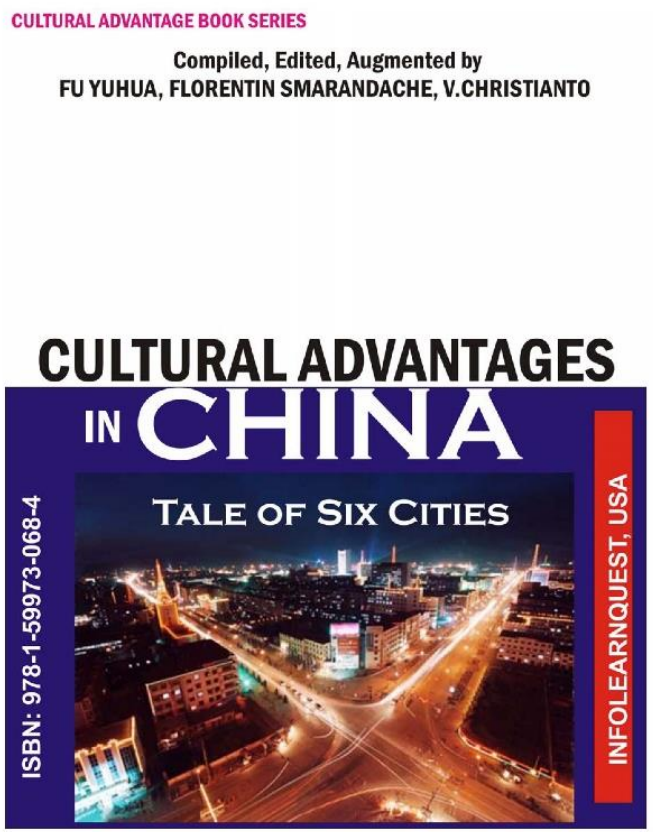
What we would like to emphasize here is the word 'alternative' in this book title. What we mean is that the proposed strategy is not always true for all conditions. for instance, in Hawaii, where industrialization and resources are very few the best strategy is perhaps to foster its 'cultural approach'. Meanwhile for other cities where there is no extensive cultural potential, then industrialization approach seems still working. After all we do not pretend to have the last word on proper remedies to problems encountered by each developing country. It would need substantial study based on each particular country's problems, contexts and resources.

We also introduce for the first time the Poly-Emporium Theory; which etymologically comes from poly = many, and emporium = trade center, store with a wide variety of selling things; therefore poly-emporium is the study of interactions among many (big and small) firms in the market.

– V. Christianto, F. Smarandache



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Download from The Science Library at University of New Mexico – Gallup:
http://fs.unm.edu/CulturalChina.pdf

Fu Yuhua, Florentin Smarandache, V. Christianto (ed.): **Cultural Advantages in China: Tale of Six Cities**. Ann Arbor, MI, USA: InfoLearnQuest, 2008, 94 p.

Keywords: Development, Modernization, Growth, China, Eastern cultures.

Nowadays, plenty of factories from Europe and other developed countries have been relocated to this country, considering its tremendous economic scale and rapid growth rate during the past three decades. But most of what happens inside the China nowadays is deeply hidden from the outside world ("the foreigners" as China people would call). This fact is partly because most reports on China were written by the so-called fly-high experts who are busy completing their reports despite a busy schedule. Very few books or reports were written by people inside, or at least "foreigners" who spent a few years in China. Therefore in this book, we took a different approach, by inviting local scientists and other writers to describe what happens surround them.

It is the purpose of this book to bring these cultural advantages into more focus, in order to bring into light some 'human' aspects of the country, and how these can be integrated into the broader context of economics development. At the end of the day, their achievements cannot be measured by economic progress alone, but also how the people can have the proper sense of meaning (i.e. 'feel' at home) in their own homeland, instead of being just another 'bolt' in the obsolete industrial engine of economics. As shown in history that China/Eastern cultures can shed some light into modern science (cf. Fritjof Capra etc.), it is of our belief that both cultures can learn from each other, rather than suppressing the Eastern cultures under the spell of modernization.

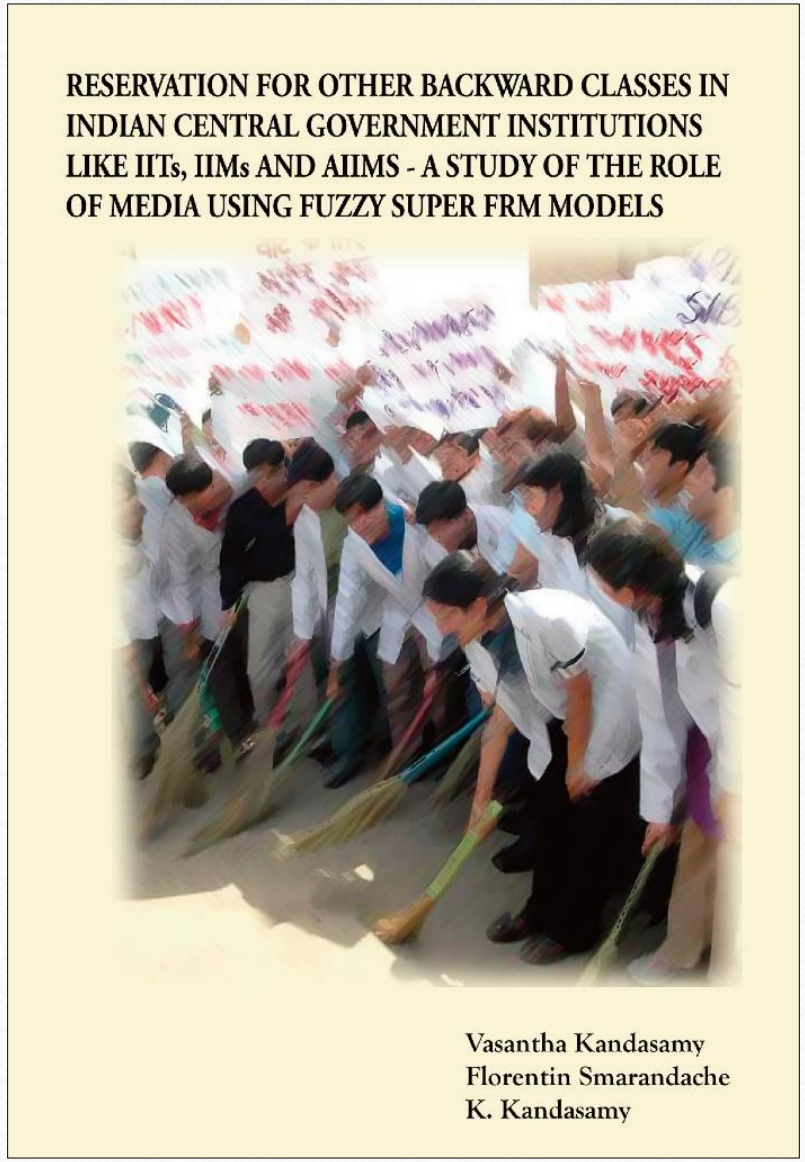
As with other books on development economics, it is beyond the objective of this book to give the final word. We would rather see the purpose of this book is to invite further dialogue over a long-time issue on how the modernization can be given a more humanized interpretation. This perhaps will include rethinking on the meaning of modernization and development themselves, beyond classical debates between inward-outward looking development programs.

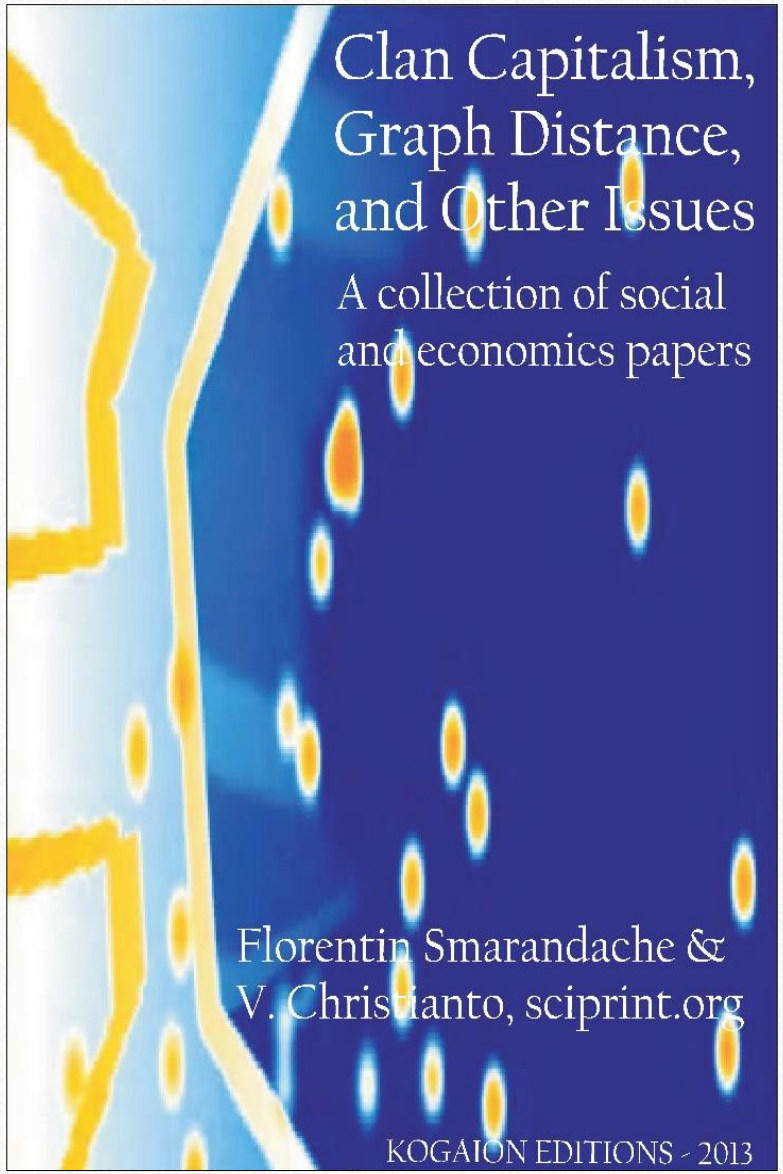
W. B. Vasantha Kandasamy, Florentin Smarandache, K. Kandasamy: **Reservation for Other Backward Classes in Indian Central Government Institutions Like IITs, IIMs and AIIMS**. *A Study of the Role of Media Fuzzy Super FRM Models*. Slatina, Romania: CuArt, 2009, 455 p.

Keywords: Backward Class, India, Higher Education, Positive Discrimination, Social Justice, Fuzzy Super FRM Models.

Print and television in India came under fire in the year 2006 when they adopted a biased attitude against the state policy of affirmative action that made provisions to admit students of the downtrodden communities into central government-run institutes of higher education. The media, forgot the ethics of being balanced, attacked this policy of positive discrimination and gave intense coverage to every anti-reservation protest that took place in India. In a way, the national media led the struggle against social justice. Here we use Fuzzy Super FRM Models to analyze the role of the news media in covering the issue of reservation for Other Backward Classes in Indian central government institutions like IITs, IIMs and AIIMS.

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Florentin Smarandache, V. Christianto (ed.): **Clan Capitalism, Graph Distance and other issues**. *A collection of social and economics papers*. Bucharest, Romania: Kogaion, 2013, 95 p.

Keywords: Graph Distance, Optimal Communication, Migration, Urbanization, Clan Capitalism, World Population, Growth Rate, Liberalization.

The topics covered in this book include graph distance and optimal communication, migration and urbanization, clan capitalism, world population growth rate, and scientific inquiry.

Among the disadvantages of excessive liberalization we mention:

- Tendency that clan capitalism groups will form oligopoly if there is not anti-trust or anti-clan law enacted;
- Tendency that those clan groups or their oligopolistic association are more willing to pay more to their "associates" in democracy institutions, including law enforcement agencies, in other they continue their clandestine operations; this practice can be stopped introducing special regulation;
- Tendency that such oligopoly associations and clan groups expect a sort of benefits from influencing democracy institutions, especially tax collecting agents and law enforcement agencies, that is benefits in the form of lower tax rates;
- In practice, excessive liberalization would mean less regulation, but that often would benefit only for larger clan groups, while common people will receive less benefit;
- Clan groups often play their role as middle-men and intermediaries who stay in the middle of a number of transactions, including negotiation of certain projects.

– Florentin Smarandache, V. Christianto

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Maikel Leyva Vázquez, Noel Batista Hernandez, Florentin Smarandache: **Métodos multicriterios para determinación de la efectividad de la gestión pública y el análisis de la trasparencia**. Brussels, Belgium: Pons, 2018, 123 p.

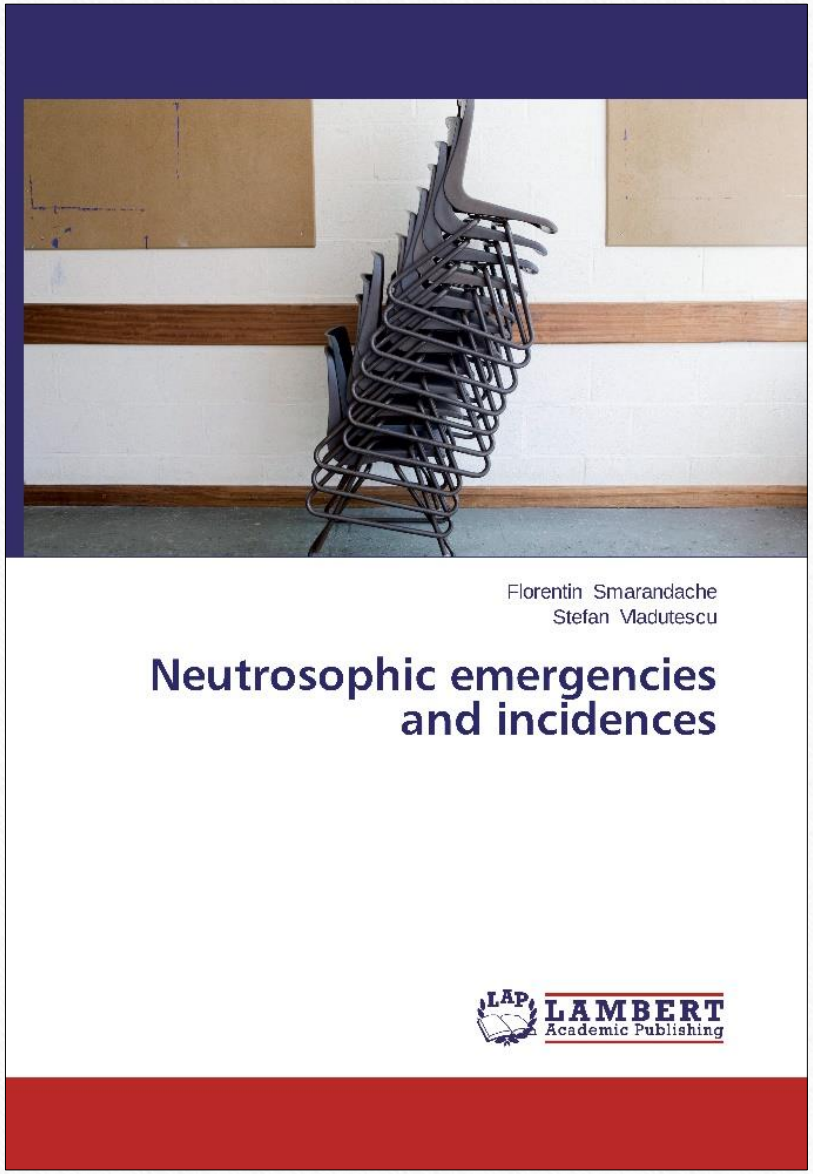
Keywords: Gestión pública, neutrosofía, lógica neutrosófica, conjuntos neutrosófica, probabilidad neutrosófica, estadística neutrosófica.

El concepto estratégico de muchos modelos de gestión pública está basados en un futuro conexo. Bajo esta perspectiva se podría intentar atrapar al futuro como previsión de los resultados, delinear acciones eficaces, efectivas, proactivas y unívocas. Pero el mañana en la administración pública es el resultado de procesos emergentes, de escenarios inciertos que dependen de la conjunción de variables inestables que rompen con la tradicional certidumbre y desacomoda la actuación.

Las metodologías propuestas en este libro buscan gestionar los conflictos de indeterminación que aparecen universalmente, con vistas a reformar las ciencias concurrentes, con una metodología abierta para promover la innovación, utilizando enfoques multidisciplinares que propician la objetividad sin obviar la esencia compleja de los planteamientos problemico que traza la dinámica social. Los autores pretenden desbrozar un camino que conlleve a evaluar desde la integración de los saberes y la conjugación de las ciencias.

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Florentin Smarandache, Ştefan Vlăduţescu: **Neutrosophic Emergencies and Incidencies**. Saarbrücken, Germany: Lambert, 2013, 248 p.

Keywords: Neutrosophy, e-Neutrosophic Function, Emergence, Incidence.

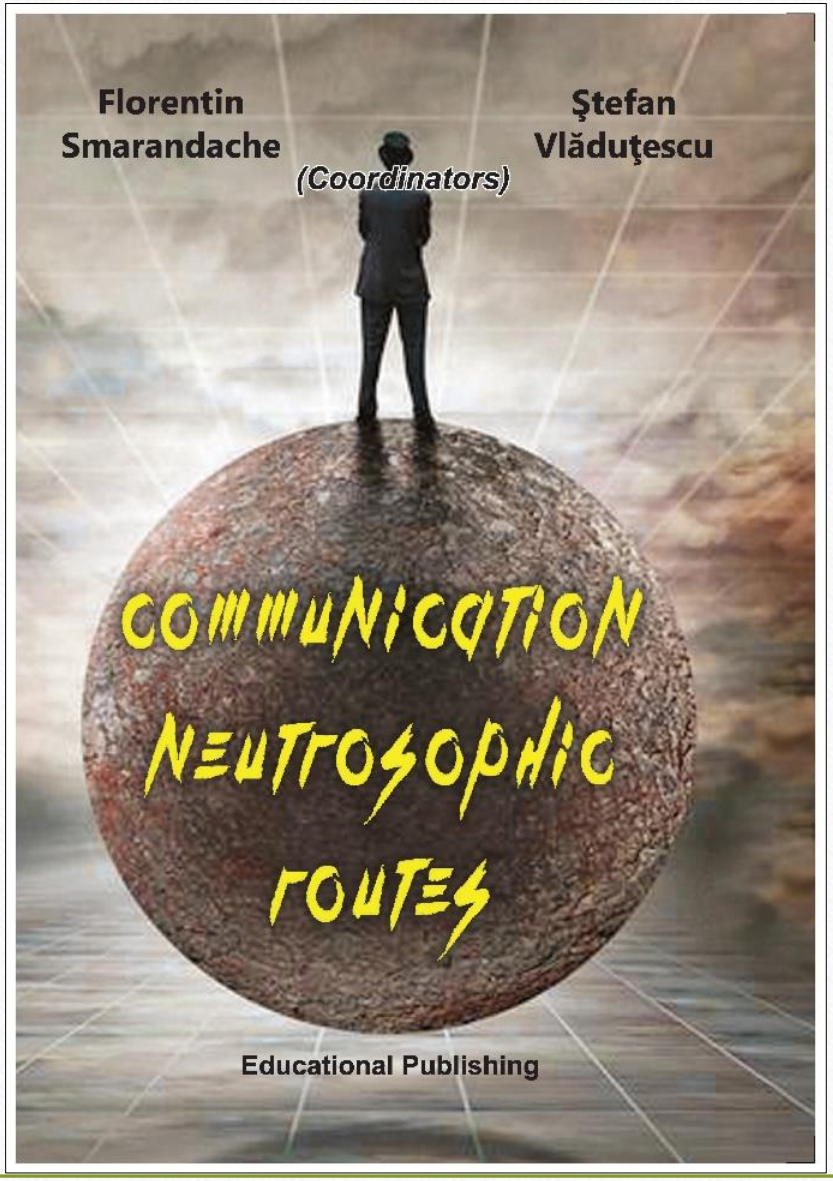
This book represents the buoy that marks the transition of neutrosophy from the emergence phase to the incidence phase. Like any entity, ideas are born are acquire emergence. Some ideas impose and pass to the state of incidence. Other ideas fade away. For some ideational configurations, the emergence matures into incidence, for others the emergence gets into implosion. In other words, some emergences are validated and accredited, and others get into implosion.

Any emergence is a promise. When they keep their promises, they are felt as strong ideas, as influential ideas, and thus they have an impact in different areas of the universe of knowledge. Emergence is a tectonic development. Incidence is the emergence applicability and its certification.

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Florentin Smarandache, Ştefan Vlăduţescu (ed.): **Communication Neutrosophic Routes**. Columbus, OH, USA: Educational Publisher, 2014, 217 p.

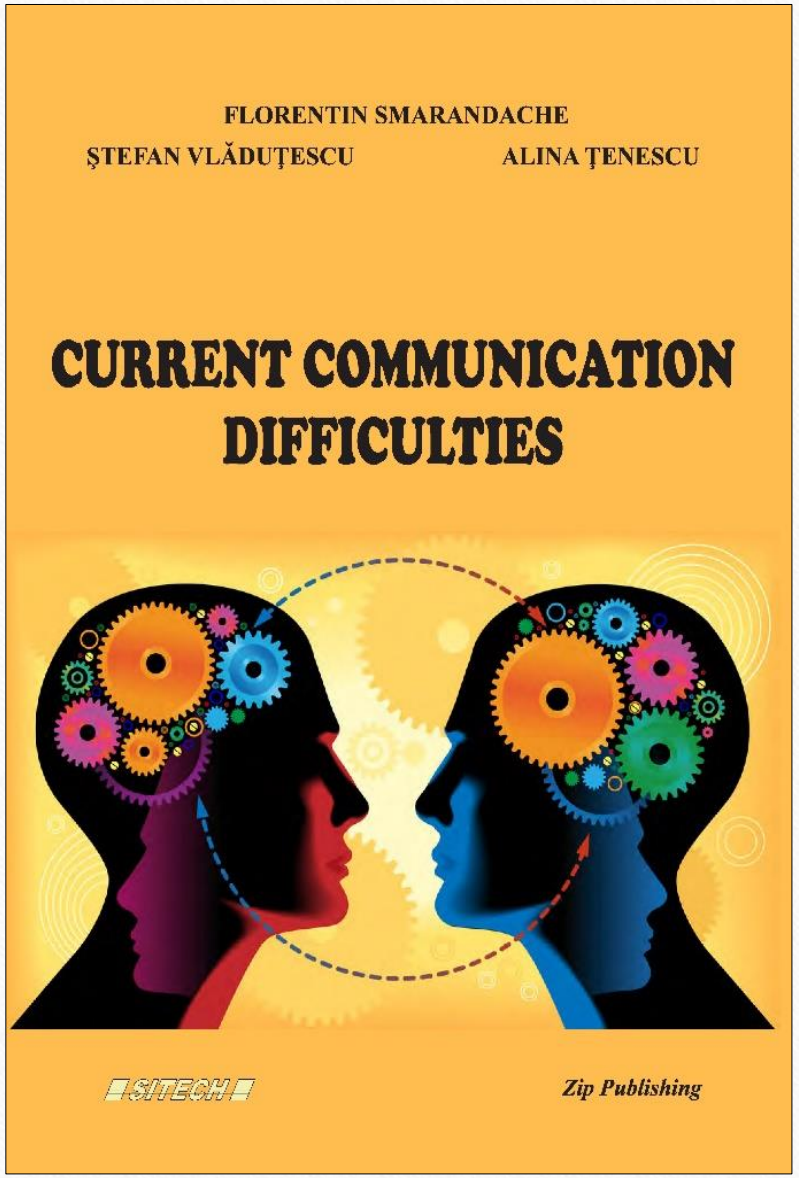
Keywords: Neutrosophy, Communication, Ioan Constantin Dima, Mariana Man, Alexandra Iorgulescu, Alina Tenescu, Madalina Strechie, Daniela Gifu, Mihaela Gabriela Paun, Maria Nowicka-Skowron, Sorin Mihai Radu, Janusz Grabara, Ion Cosmescu, Bianca Teodorescu.



The life of human beings is a place of communication. Consequently, any cognitive and cogitative manifestation presents a route of communication. People consume their lives relating by communicational. Some communicational relationships are contradictory, others are neutral, since within the manifestations of life there are found conflicts meanings and/or neutral meanings.

Communicational relations always comprise a set of neutral, neutrosophic meanings. Particularly, we talk about scientific sculptural communication, esthetic communication and so on, as specific manifestations of life. It can be asserted that in any communication there are routes of access and neutrosophic routes. Any communication is traversed by neutrosophic routes of communication.

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Florentin Smarandache, Stefan Vladutescu, Alina Tenescu (ed.): **Current Communication Difficulties**. Craiova, Romania & Columbus, Ohio, USA: Sitech & Zip Publishing, 2014, 300 p.

Keywords: Communication, Rhetoric, Persuasion, Psychology, Sociology, Anthropology, Semiotics, Linguistics, Political Science.

Our thesis is that communication has several sources. Some may be considered as main sources or constitutive sources from which communication springs, and others may be considered as secondary or complementary sources of communication. We can thus acknowledge eight main sources of communication: rhetoric, persuasion, psychology, sociology, anthropology, semiotics, linguistics and political science. Rhetoric is the first and oldest discipline which studied certain communication phenomena; rhetoric has outlined a proto-object of communication. Sociology is the most powerful source of communication methodology: sociology has supplied most of the theories and methods that have led to the discipline of communication growing autonomously. We assert that secondary sources of communication are: philosophy, ethics, pragmatics, mathematics, cybernetics and ecology.

– Florentin Smarandache, Ştefan Vlăduţescu

Contributors:
The book has 15 chapters written by the following authors and co-authors from USA, England, China, Poland, Serbia, Bulgaria, Slovakia, and Romania: Florentin Smarandache, Ştefan Vlăduţescu, Jim O'Brien, Svetislav Paunovic, Mariana Man, Zhaoxun Song, Dandan Shan, Maria Nowicka-Skowron, Sorin Mihai Radu, Janusz Grabara, Ioan Cosmescu, Adrian Nicolescu, Krasimira Dimitrova, Alina Ţenescu, Sebastian Kot, Beata Ślusarczyk, Maria Măcriş, Iwona Grabara, Piotr Pachura, Mircea Bunaciu, Jozef Novak-Marcincin, Mircea Duică, Odette Arhip, Vlad Roşca, and Vladimir-Aurelian Enăchescu.

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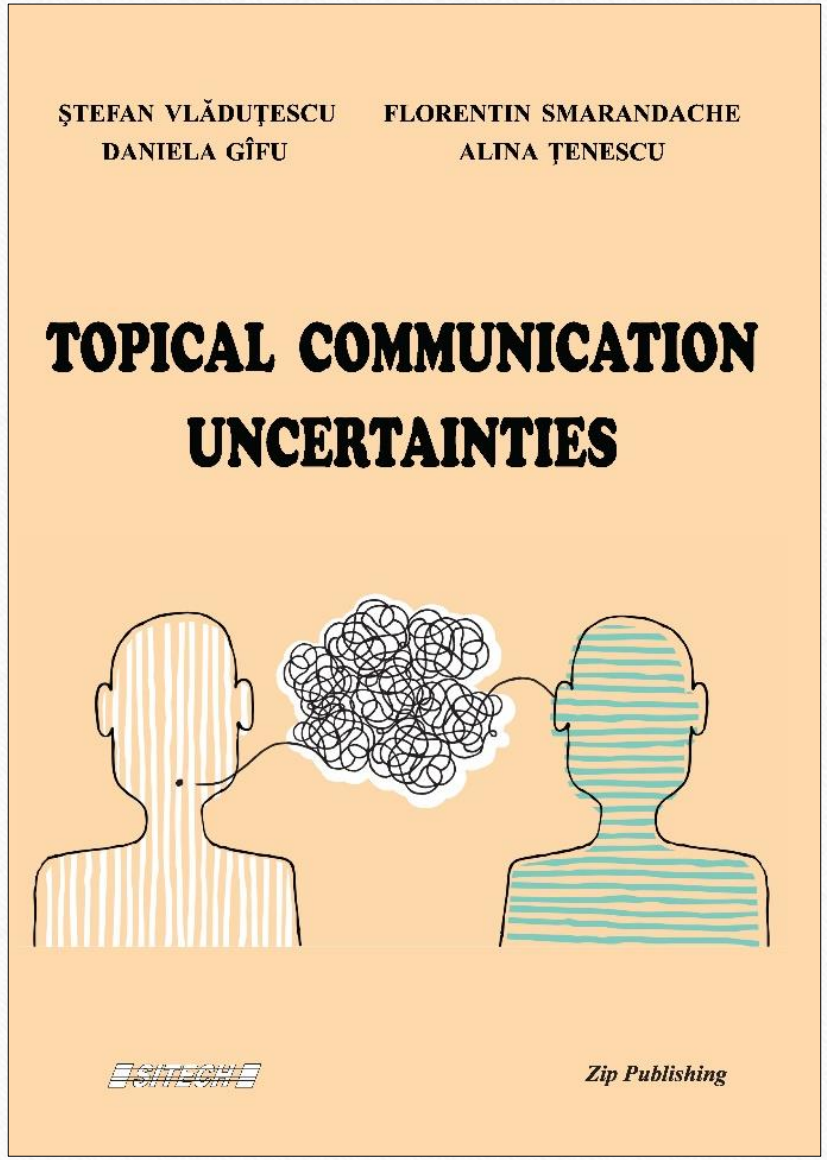
Stefan Vladutescu, Florentin Smarandache, Daniela Gifu, Alina Tenescu (ed.): **Topical Communication Uncertainties**. Craiova, Romania & Columbus, OH, USA: Sitech & Zip Publishing, 2014, 300 p.

Keywords: Communication, Uncertainties, Epistemology, Organizational Culture, Football, Cultural Identity, Democracy.

Communication is the main way of defusing uncertainties. Unfortunately, communication discipline itself is mined by uncertainties. We can talk about onto-epistemological uncertainties and pragmatic uncertainties of communication, about theoretical and practical uncertainties, and about primary and secondary uncertainties of communication. Uncertainties regarding the object of communication as autonomous discipline, the research methods of communication, the sources, paradigms and models of communication represent theoretical, onto-epistemological uncertainties. Pragmatic uncertainties include uncertainties in communication processes; they have a practical character. Pragmatic uncertainties are those that lead to communication failure and they consist in minor obstacles or insurmountable barriers in concrete communication.
– Florentin Smarandache, Stefan Vladutescu

Contributors:
The book has 16 chapters written by the following authors and co-authors from USA, England, Poland, Slovakia, and Romania: Florentin Smarandache, Stefan Vladutescu, Mirela Teodorescu, Dan S. Stoica, Daniela Gifu, Calin Andrei, Ioan Constantin Dima, Mariana Man, Janusz Grabara, Paula Bajdor, Jim O'Brien, Andrzej Rabsztyn, Anabella-Maria Tarnovan, Adrian Nicolescu, Alina Tenescu, Nicusor Minculete, Vladimir Modrak, Sorin Mihai Radu, Alice Ionescu, Anca Diana Bibiri, Lucian Sacalean, Mircea Munteanu, Roxana Criu, Bogdan Constantin Neculau, Marin Dramnescu, MihaelaGabriela Paun, and Loredana Speriatu.

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Florentin Smarandache, Bianca Teodorescu, Mirela Teodorescu (ed.): **Uncertainty Communication Solution in Neutrosophic Key**. Brussels, Belgium: EuropaNova, 2015, 102 p.

Keywords: Communication, Neutrality, Uncertainties, Legal Translation, Synallagmatic, Contract Law, Process Analysis.

This book is a collection of six papers on Communication interpreted in a neutrosophic key, written by the editors (Florentin Smarandache, Bianca Teodorescu and Mirela Teodorescu) and other academics (Daniela Gîfu, Alice Ionescu, Simina Badea, Mădălina Strechie and Mihaela-Gabriela Păun), discussing about scientific uncertainty and argumentative employment of paradox, examining the neutrosophic role of the translator and the neutrality in legal translation, investigating some mentalities and communication strategies in ancient civilizations, scrutinizing the metamorphosis of feelings into between-realityconscience and neutro-reality in Camil Petrescu's novels, or surveying the implications of Neutrosophy in Aesthetics, Arts, or Hermeneutics.

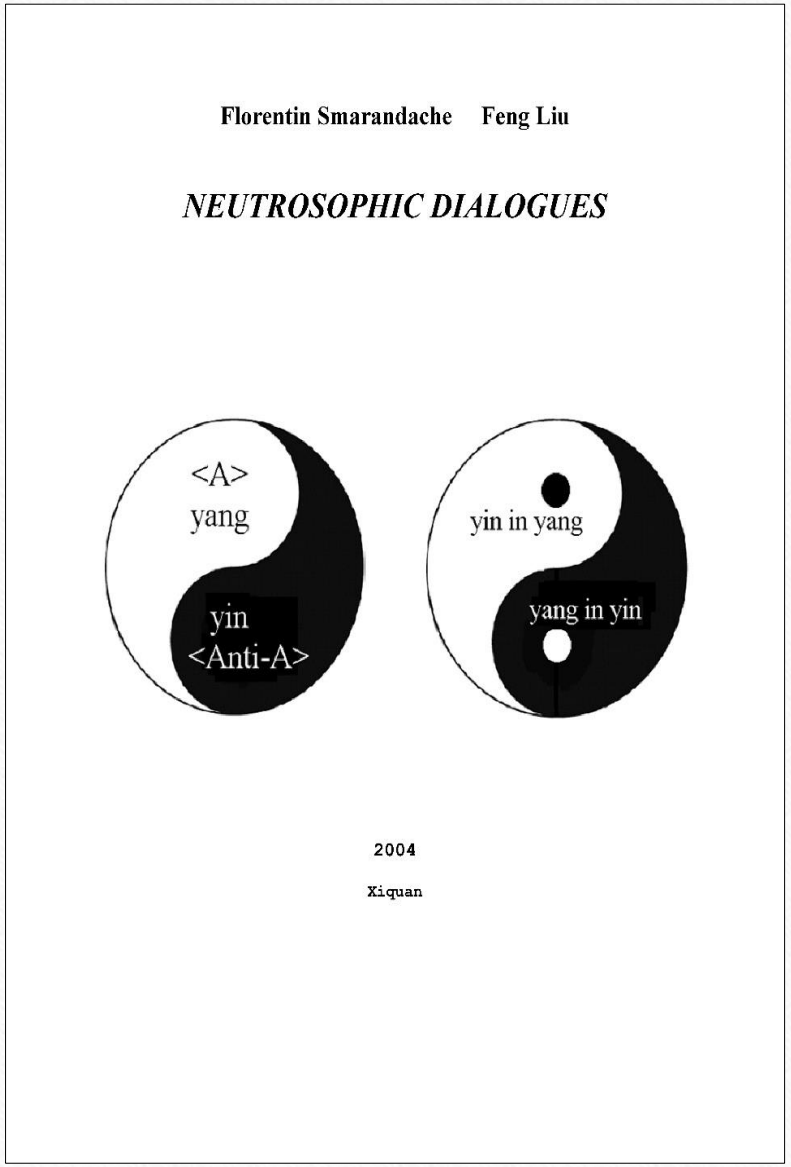
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Smarandache's Books

Philosophy

Smarandache's Books



Florentin Smarandache, Feng Liu: **Neutrosophic Dialogues.** Phoenix, AZ, USA: Xiquan, 2004, 96 p.

Keywords: Neutrosophy, Neutrosophic Logic, 3D Neutrosophic Space, Neutrosophic Set, Neutrosophic Probability, Neutrosophic Statistics, Neutrosophic event.

Neutrosophy is a theory developed by Florentin Smarandache as a generalization of dialectics. This theory considers every notion or idea <A> together with its opposite or negation <Anti-A> and the spectrum of "neutralities" <Neut-A> (i.e. notions or ideas located between the two extremes, supporting neither <A> nor <Anti-A>). The <Neut-A> and <Anti-A> ideas together are referred to as <Non-A>. The theory proves that every idea <A> tends to be neutralized and balanced by <Anti-A> and <Non-A> ideas - as a state of equilibrium. In this book a dialogue or bridge between two opposite cultures, East (Buddhism) and West (Neutrosophy), is presented.

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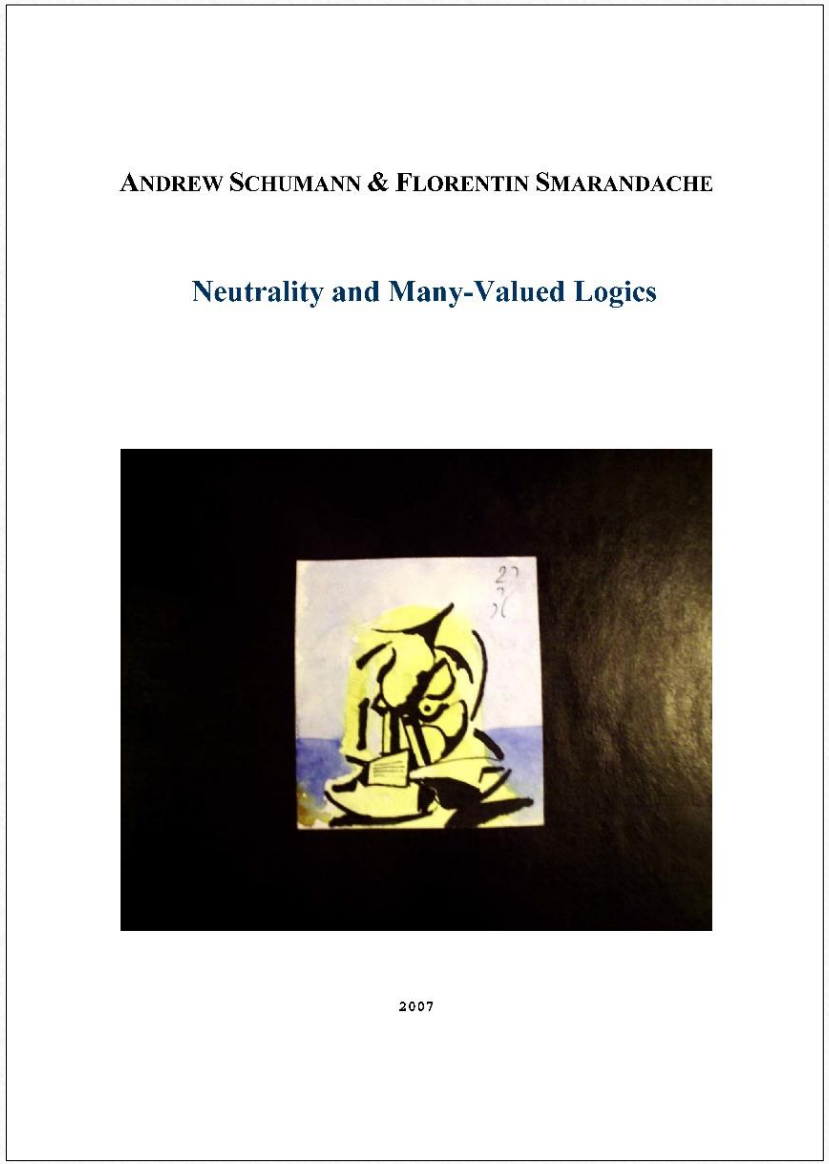


Florentin Smarandache: **Сущность Нейтрософии.** *Перевод на русский язык и с предисловие Дмитрия Рабунского / Translation and Foreword by Dmitri Rabounski.* Phoenix, AZ, USA: Hexis, 2006, 34 p.

Keywords: Neutrosophy, Neutrosophic Logic, 3D Neutrosophic Space, Neutrosophic Set, Neutrosophic Probability, Neutrosophic Statistics, Neutrosophic event.

Эта брошюра представляет читателям основы нейтрософии — новой науки, основанной в 1995 году известным математиком проф. Флорентином Смарандаке как обобщение диалектики. Нейтрософия изучает происхождение, природу и свойства нейтральностей. Благодаря этому нейтрософские методы исследования и анализа находят свое применение не только в чистой математике, но также в физике, технике, лингвистике, криминалистике и других современных науках, где необходим анализ “размытых” данных (о которых нельзя с уверенностью сказать — истинны они или ложны) и выработка на основе этих “размытых” данных правильных решений.

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Andrew Schumann, Florentin Smarandache: **Neutrality and Many-Valued Logics.** Ann Arbor, MI, USA: American Research Press, 2007, 120 p.

Keywords: non-Archimedean valued logics, non-Archimedean valued interval neutrosophic logic, infinite-valued logics, p-adic valued logics, hypernumbers.

In this book, we consider various many-valued logics: standard, linear, hyperbolic, parabolic, non-Archimedean, p-adic, interval, neutrosophic, etc. We survey also results which show the tree different proof-theoretic frameworks for many-valued logics, e.g. frameworks of the following deductive calculi: Hilbert's style, sequent, and hypersequent. Recall that hypersequents are a natural generalization of Gentzen's style sequents that was introduced independently by Avron and Pottinger. In particular, we consider Hilbert's style, sequent, and hypersequent calculi for infinite-valued logics based on the three fundamental continuous t-norms: Łukasiewicz's, Gödel's, and Product logics. We present a general way that allows to construct systematically analytic calculi for a large family of non-Archimedean many-valued logics: hyperrational-valued, hyperreal-valued, and p-adic valued logics characterized by a special format of semantics with an appropriate rejection of Archimedes' axiom. These logics are built as different extensions of standard many-valued logics.

Florentin Smarandache

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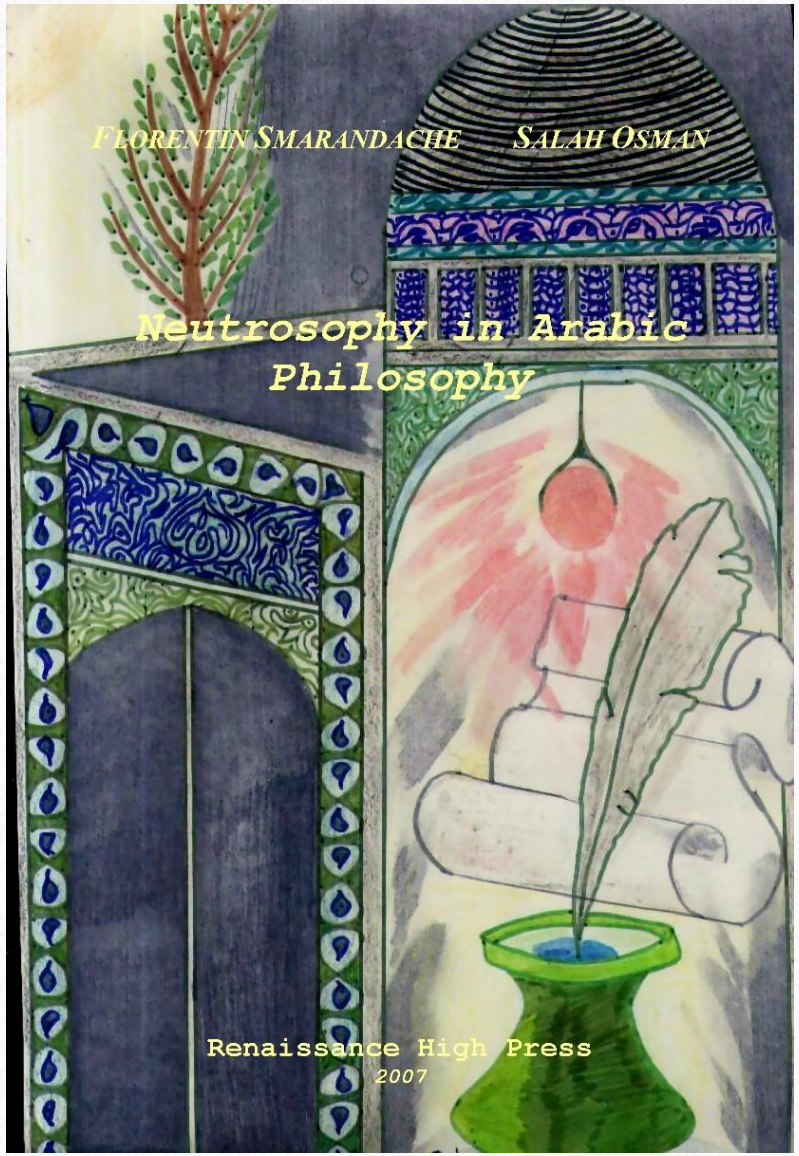


Florentin Smarandache, Salah Osman: **Neutrosophy in Arabic Philosophy.**
Ann Arbor, MI: Renaissance High Press, 2007, 420 p.

Keywords: Neutrosophy, Neutrosophic Logic, Koran, Sunna, Avicenna, Averroes, Ibn Khaldun.

Examples of Neutrosophy used in Arabic philosophy:
- While Avicenna promotes the idea that the world is contingent if it is necessitated by its causes, Averroes rejects it, and both of them are right from their point of view. Hence <A> and <antiA> have common parts.
- Islamic dialectical theology (kalam) promoting creationism was connected by Avicenna in an extraordinary way with the opposite Aristotelian-Neoplatonic tradition. Actually a lot of work by Avicenna falls into the frame of neutrosophy.
- Averroes's religious judges (qadis) can be connected with atheists' believes.
- al-Farabi's metaphysics and general theory of emanation vs. al-Ghazali's Sufi writings and mystical treatises [we may think about a coherence of al-Ghazali's "Incoherence of the Incoherence" book].
- al-Kindi's combination of Koranic doctrines with Greek philosophy.
- Islamic Neoplatonism + Western Neoplatonism.
- Ibn – Khaldun's statements in his theory on the cyclic sequence of civilizations, says that: Luxury leads to the raising of civilization (because the people seek for comforts of life) but also Luxury leads to the decay of civilization (because its correlation with the corruption of ethics).

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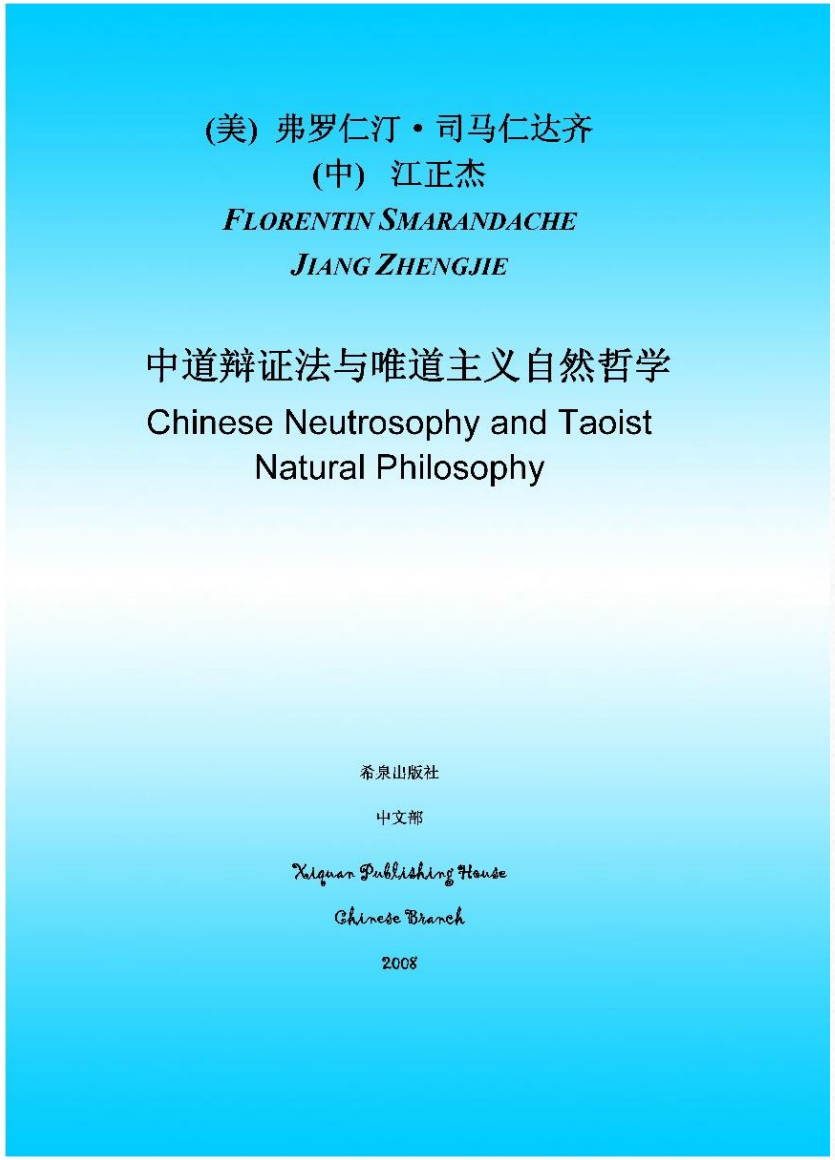


Florentin Smarandache, Salah Osman: **Neutrosophy in Arabic Philosophy.**
Ann Arbor, MI: Renaissance High Press, 2007, 292 p.

Keywords: Neutrosophy, Neutrosophic Logic, Koran, Sunna, Avicenna, Averroes, Ibn Khaldun.

Examples of Neutrosophy used in Arabic philosophy:
- While Avicenna promotes the idea that the world is contingent if it is necessitated by its causes, Averroes rejects it, and both of them are right from their point of view. Hence <A> and <antiA> have common parts.
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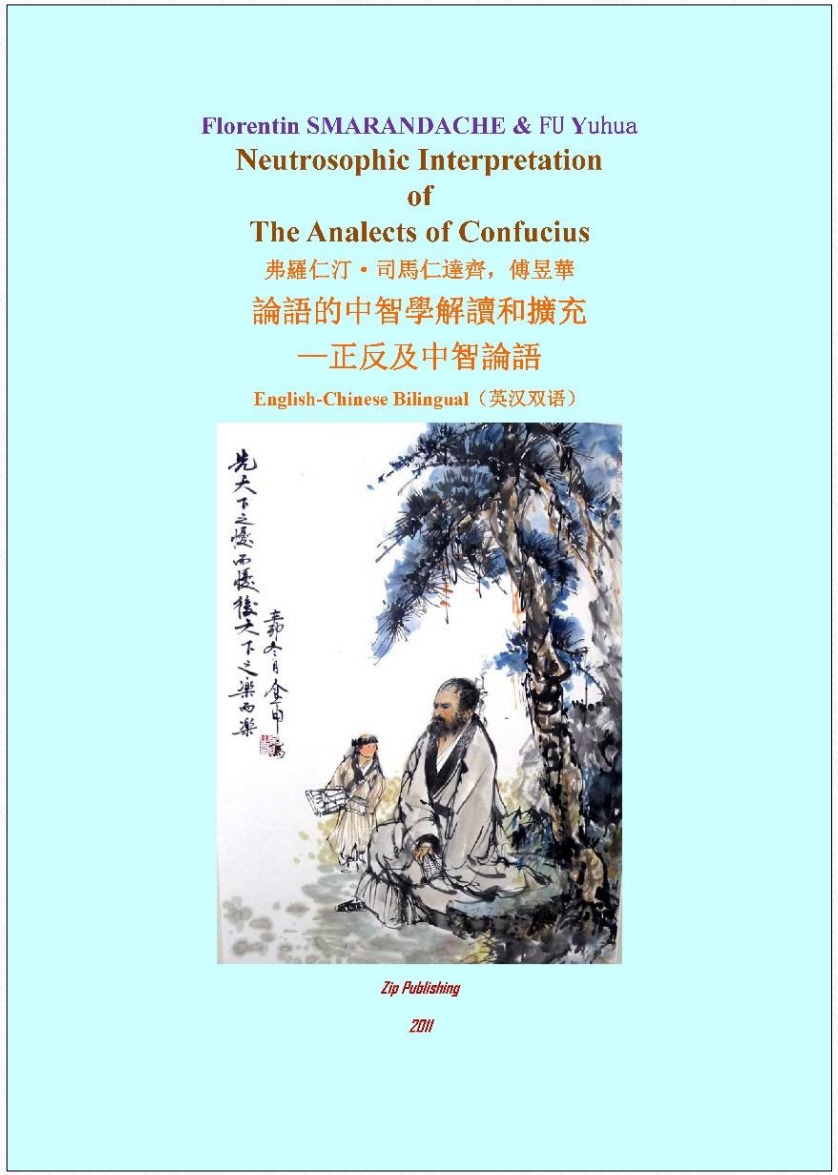
Florentin Smarandache, Jiang Zhengjie: **Chinese Neutrosophy and Taoist Natural Philosophy.** Phoenix, AZ, USA: Xiquan, 2008, 152 p.

Keywords: Neutrosophy, Neutrosophic Logic, Chinese Dialectics, Chinese Neutrosophy, Taoism.

While Taoism is based on the union of opposites, Neutrosophy considers the union of opposites and the neutralities in between them. We thought that the Neutrosophy and traditional Chinese Dialectics may be combined, and establish the Chinese Neutrosophy concept, with its premise about the existence of the universal absolute main body, whose existence may be theoretically proven through the establishment of Taoist Natural Philosophy.

道家的阴阳学说是基于对立面的统一，中智学则考虑对立面及其中间状态的统一。我们认为可以将中智学与中国传统辩证法结合起来，建立中道辩证法，中道辩证法的成立以 宇宙绝对本体的存在为前提，而宇宙绝对本体的存在在理论上的证明可以通过唯道主义自然 哲学的建立来完成。

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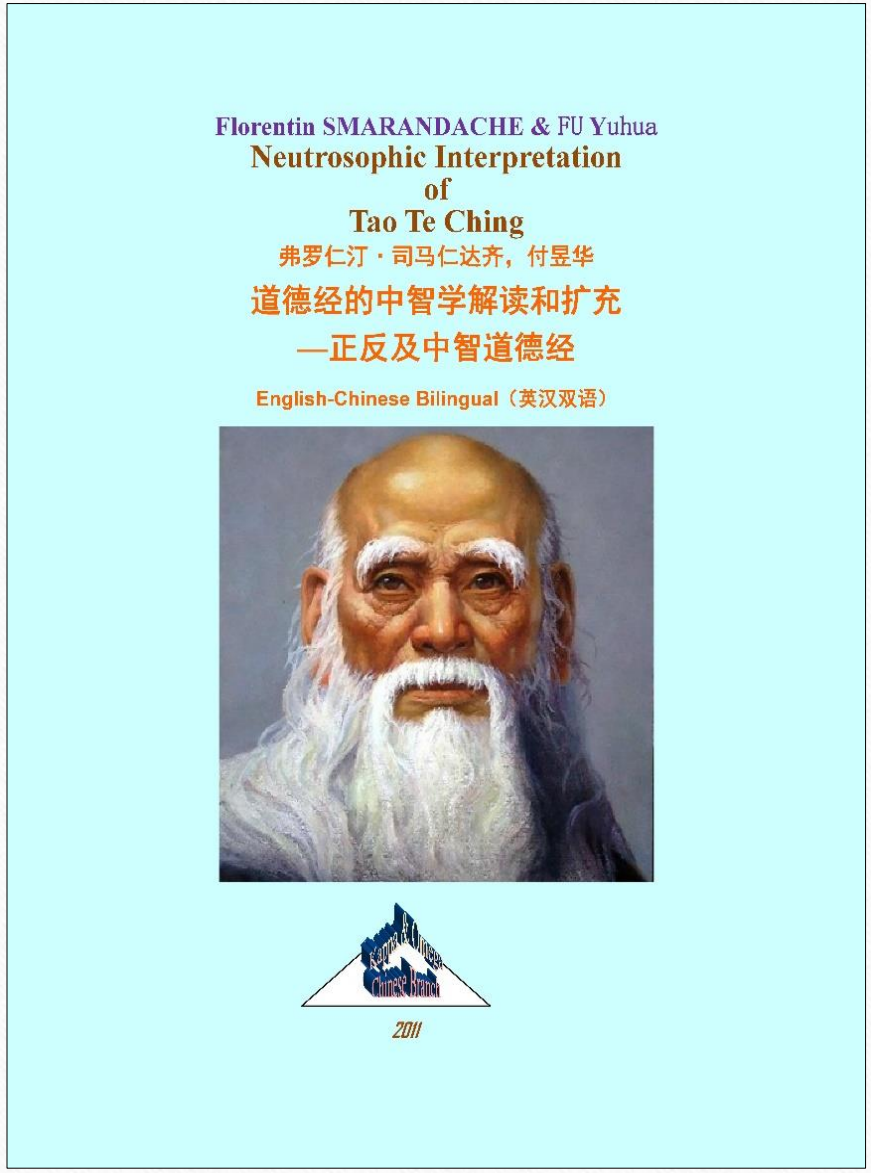


Florentin Smarandache, Fu Yuhua: **Neutrosophic Interpretation of The Analects of Confucius.** *English-Chinese Bilingual.* Columbus, OH, USA: Zip Publishing, 2011, 270 p.

Keywords: Neutrosophy, Neutrosophic Logic, Confucius, Lunyu, neutralities, degrees of middle, degrees of synthesis, paradox.

This book is the companion volume of "Neutrosophic Interpretation of Tao Te Ching," its purpose is to extend the foundation and application range of "The Analects of Confucius." The reasons for this are as follows. Firstly, we are willing to point out that The Analects of Confucius already has some limitations, because many questions we are interested in cannot be answered within "The Analects of Confucius." For example, The Analects of Confucius basically discussed the matters in China, however considering all possible situations it should matter in foreign countries as well, i.e. the "global village." This was impossible in Confucian time. Secondly, if the original The Analects of Confucius is regarded as "The Positive Analects of Confucius," its opposite would be "The Negative Analects of Confucius," while the intermediate or compound state is "The Neutral Analects of Confucius" or "The Neutrosophic Analects of Confucius." Thus, our book presents the way to extend the original The Analects of Confucius in various neutrosophic interpretations.

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Florentin Smarandache, Fu Yuhua: **Neutrosophic Interpretation of Tao Te Ching.** *English-Chinese Bilingual.* Glendale, AZ, USA: Kappa & Omega, 2011, 210 p.

Keywords: Neutrosophy, Neutrosophic Logic, Lao Tzu, Tao Te Ching, Tao-chia, Taoism, Neo-Taoism.

The purpose of this book is to extend the foundation and application range of 'Tao Te Ching'. The reasons for this are as follows. Firstly, we are willing to point out that 'Tao Te Ching' already has some limitation, because many questions we are interested in cannot be answered within 'Tao Te Ching'. For example, 'Tao Te Ching' basically discussed the matters in China, however considering all possible situations it should matter in foreign countries as well, i.e. the “global village”. This was impossible in Lao Tzu’s time. Secondly, if the original “Tao Te Ching” is regarded as “Positive Tao Te Ching”, its opposite is “Negative Tao Te Ching”, while the intermediate or compound state is “Neutral Tao Te Ching”. Thus, our book presents the way to extend the original “Tao Te Ching” in various neutrosophic interpretations.

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Florentin Smarandache, Tudor Păroiu: **Neutrosofia ca reflectare a realităţii neconvenţionale.** Craiova, USA: Editura SITECH, 2012, 132 p.

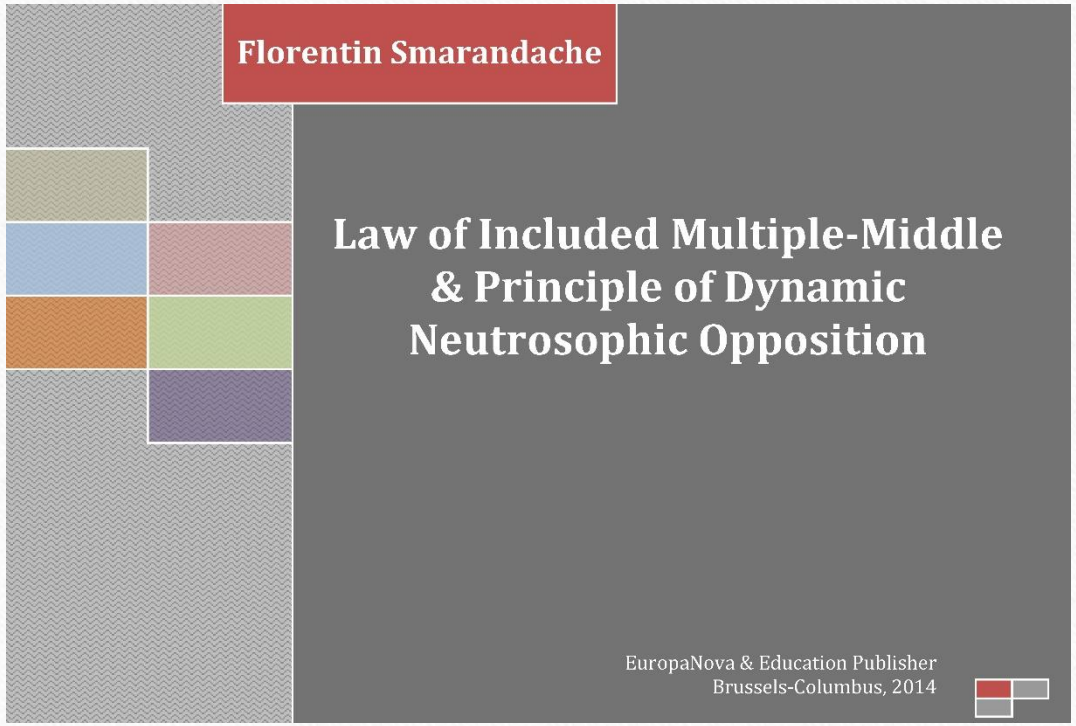
Keywords: Neutrosophy, Neutrosophic Logic, Neutrosofie, Logica neutrosofică, Mulţime Neutrosofică, Probabilitate Neutrosofică, Statistici neutrosofice, Paradoxism.

Iluzia/realitate este o convenţie între cele două realităţi Realitatea în Sine şi realitatea noastră convenţională (iluzie/realitate). Este o convenţie a oricărei entităţi/univers cu realitatea prin spiritul fiecărei entităţi/univers indiferent dacă entitatea/univers este de existenţă sau de efect sau în particular de natură matematică, fizică, chimică, biologică, etc. (ca în cazul neutrosofiei lui Smarandache) sau dacă este de natură generală a unei filozofii neconvenţionale (ca în cazul filozofiei neconvenţionale a lui Păroiu). Ambele sînt convenţii şi convenţionale şi iluzie/realitate ale unei singure Realităţi în Sine. Diferenţa dintre ele este că una este în limita cunoaşterii umane deja devenită convenţie clasică, în timp ce a doua este o convenţie nouă sau o neconvenţie deocamdată faţă de convenţia clasică. Neutrosofia este doar o reflectare logistică a realităţii şi evident în limitele cunoaşterii umane convenţionale, neconvenţionalul ei merge dincolo de limitele cunoaşterii umane sau a cunoaşterii oricărei entităţi/univers în nelimitat aşa cum ne spune filozofia neconvenţională indiferent dacă dorim noi sau alţii indiferent dacă o acceptăm noi sau alţii.

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Florentin Smarandache: **Law of Included Multiple-Middle & Principle of Dynamic Neutrosophic Opposition.**
Brussels-Columbus: EuropaNova & Education Publisher, 2014: 136 p.

Keywords: Neutrosophy, Neutrosophic Logic, Principle of Dynamic Opposition, Principle of Dynamic Neutrosophic Opposition, Law of Included Middle.

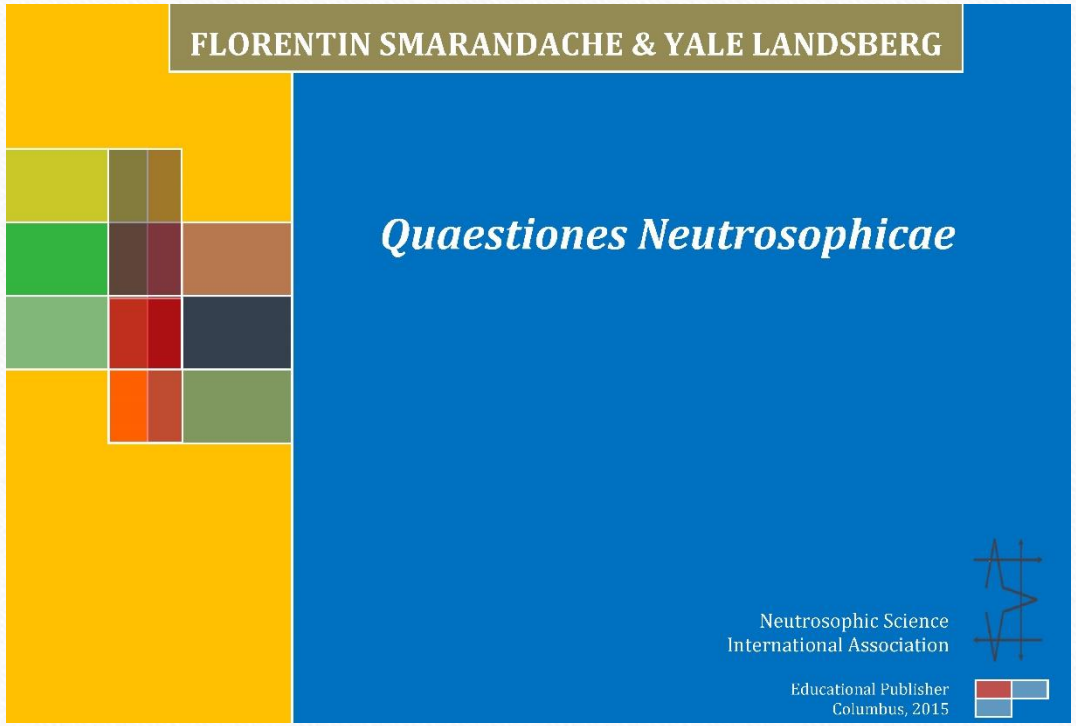


In this book the author pledges for the generalization of the Lupasco-Nicolescu's Law of Included Middle [<A>, <nonA>, and a third value <T> which resolves their contradiction at another level of reality] to the Law of Included Multiple-Middle [<A>, <antiA>, and <neutA>, where <neutA> is split into a multitude of neutralities between <A> and <antiA>, such as <neut1A>, <neut2A>, etc.]. The <neutA> value (i.e. neutrality or indeterminacy related to <A>) actually comprises the included middle value. Further, similarly to the extension from dialectics to neutrosophy, the author extends the Principle of Dynamic Opposition [opposition between <A> and <antiA>] to the Principle of Dynamic Neutrosophic Opposition [which means oppositions among <A>, <antiA>, and <neutA>].

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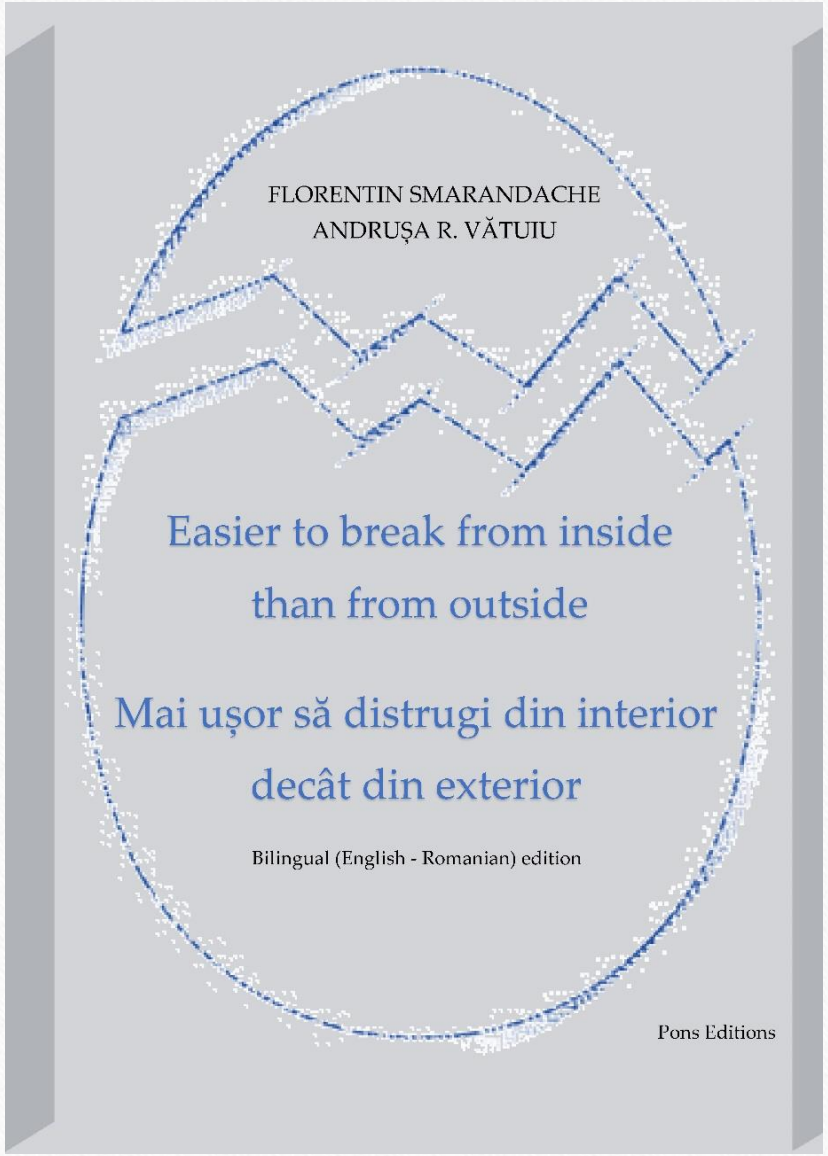
Florentin Smarandache, Yale Landsberg: **Quaestiones Neutrosophicae.** Columbus, OH, USA: Educational Publisher, 2015, 44 p.

Keywords: Neutrosophy, Neutrosophic Logic, 3D Neutrosophic Space, Smarandache Geometries, Degree of negation.



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http://fs.unm.edu/QuaestionesNeutrosophicae.pdf

Neutrosophy is the base of neutrosophic logic, neutrosophic set, neutrosophic probability, and neutrosophic statistics that are used in engineering applications (especially for software and information fusion), medicine, military, airspace, cybernetics, physics. Applications of the neutrosophics in engineering, information fusion, and computer science made the object of tens of books and PhD dissertations and hundreds of papers throughout the world. Neutrosophic Statistics means statistical analysis of population or sample that has indeterminate (imprecise, ambiguous, vague, incomplete, unknown) data. Neutrosophic Logic is a general framework for unification of many existing logics, such as fuzzy logic (especially intuitionistic fuzzy logic), paraconsistent logic, intuitionistic logic, etc. The main idea of NL is to characterize each logical statement in a 3D Neutrosophic Space, where each dimension of the space represents respectively the truth (T), the falsehood (F), and the indeterminacy (I) of the statement under consideration, where T, I, F are standard or nonstandard real subsets of]-0, 1+[with not necessarily any connection between them. This book contains dialogue-cuts from different non-protocolar conversations, initially not intended for publication, held by the authors by email during the beginning of 2015 – on Neutrosophy and related topics.



Florentin Smarandache, Andrușa R. Vătuiu: **Easier to break from inside than from outside / Mai ușor să distrugi din interior decât din exterior.** *Bilingual (English - Romanian) edition.* Bruxelles, Belgium: Pons Editions, 2017, 184 p.

Keywords: Neutrosophic probability, Neutrosophic complex dynamic system, Closed systems, Trojan war.

This book contains concrete examples from history, economy, biology, digital world, nuclear physics, agriculture and so on about breaking a neutrosophic dynamic system (i.e. a dynamic system that has indeterminacy) from inside. We define a neutrosophic mathematical model using a system of ordinary differential equations and the neutrosophic probability in order to approximate the process of breaking from inside a neutrosophic complex dynamic system. It shows that for breaking from inside it is needed a smaller force than for breaking from outside the neutrosophic complex dynamic system. Methods that have been used in the past for breaking from inside are listed.

Această carte conține exemple concrete din istorie, economie, biologie, spațiu digital, fizică nucleară, agricultură și altele, de distrugere a unui sistem neutrosofic dinamic (adică a unui sistem
care are indeterminări), acționând din interiorul acestuia. Descriem un model neutrosofic matematic folosind un sistem de ecuații diferențiale ordinare și probabilitatea neutrosofică, cu scopul de a aproxima procesul de distrugere din interior a unui sistem neutrosofic dinamic complex. Se demonstrează că, pentru distrugerea din interior a unui astfel de sistem, este necesară o forță mai mică decât pentru distrugerea din exterior. Sunt enumerate metode folosite în trecut pentru distrugerea din interior.

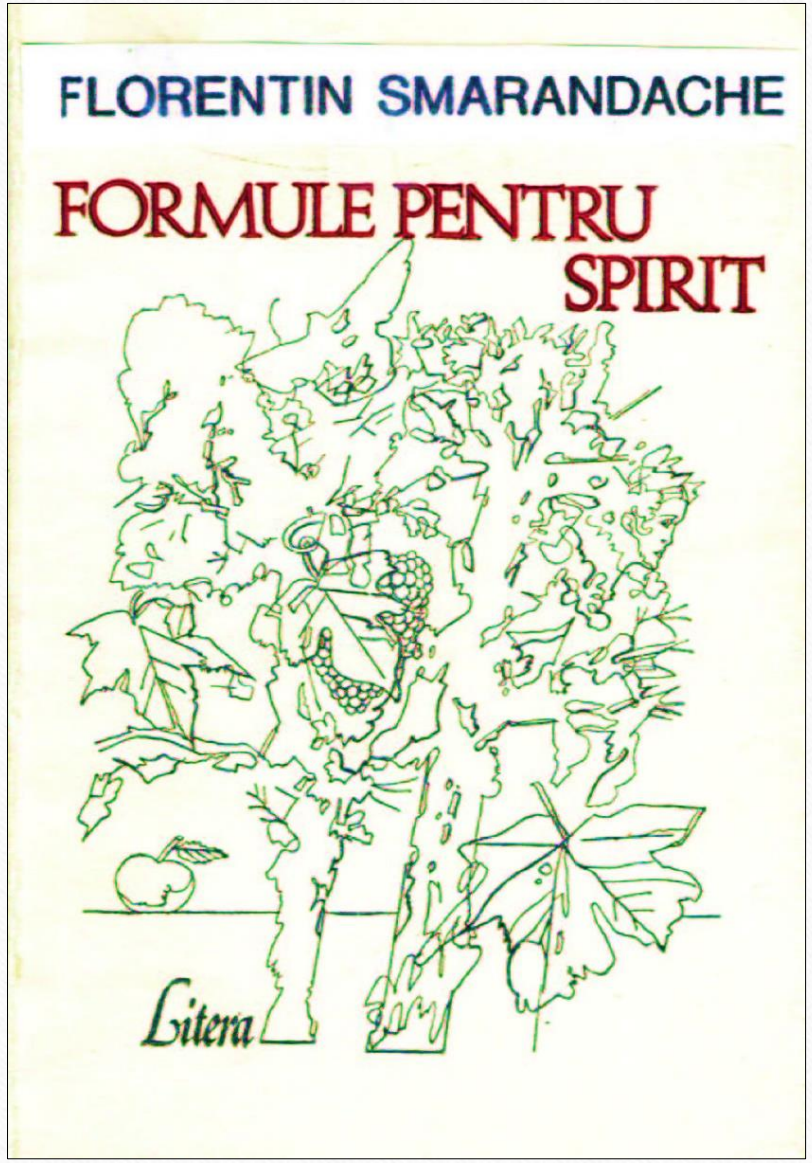
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Smarandache's Books

Literature

Poetry
Fiction
Theatrical Plays



Florentin Smarandache: **Formule pentru spirit**. București, România: Litera, 1981, 54 p.

Keywords: Poetry, Creative Writing, Words, Verses, Postmodernism.

Smarandache's poetry follows the subtle metamorphosis of the ego; the poet is reconciliated with his condition of dreamer who changes, at the level of his delicate utopia, the moment into eternity and immortality into imagination, into a childish caprice. His lyrical confession like Montale-Ungaretti's poetics, acquires the value of a keen interrogation on time, with, with the nostalgic resonance which reminds of Kavafis.

– Mircea Sever

Excerpts:

Apus
Melancolia unui apus
mă învăluie
în unde palide,
simțurile coboară lin din
Înalt -
ca îngerii galbeni.

Se ridică subțire
fumul tinereții
la timpul trecut.

Ziua de mîine
va muri
la noapte.

Lacrimi de fier
Din câte dureri
se compune adevărul?
(întrebări pline de sânge
pe față).

Soldaţii varsă lacrimi
de fier
(este o trecere prin lucruri
a durerii).

Un ochi scoate mâna
afară:
se văd urmele noastre
pe timp.

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Florentin Smarandache: **Formules pour l'esprit**. *Poèmes métaphoriques traduits du Roumain par Chantal Signoret*. Fès, Morocco: Express, 1984, 56 p.

Keywords: Poetry, Paradoxism, Crative Writing, Verses, Metaphor.

Smarandache's writing detaches itself clearly through a singular psalm-like tonality, a refined game of nuances, of the angles of light registering a continuous swinging between discreet melancholic elegy and the incandencense of the vital, idealized pulse of the world. It is a world of perfumes, of unexpected essences, which become drunk with charm, in solitude.

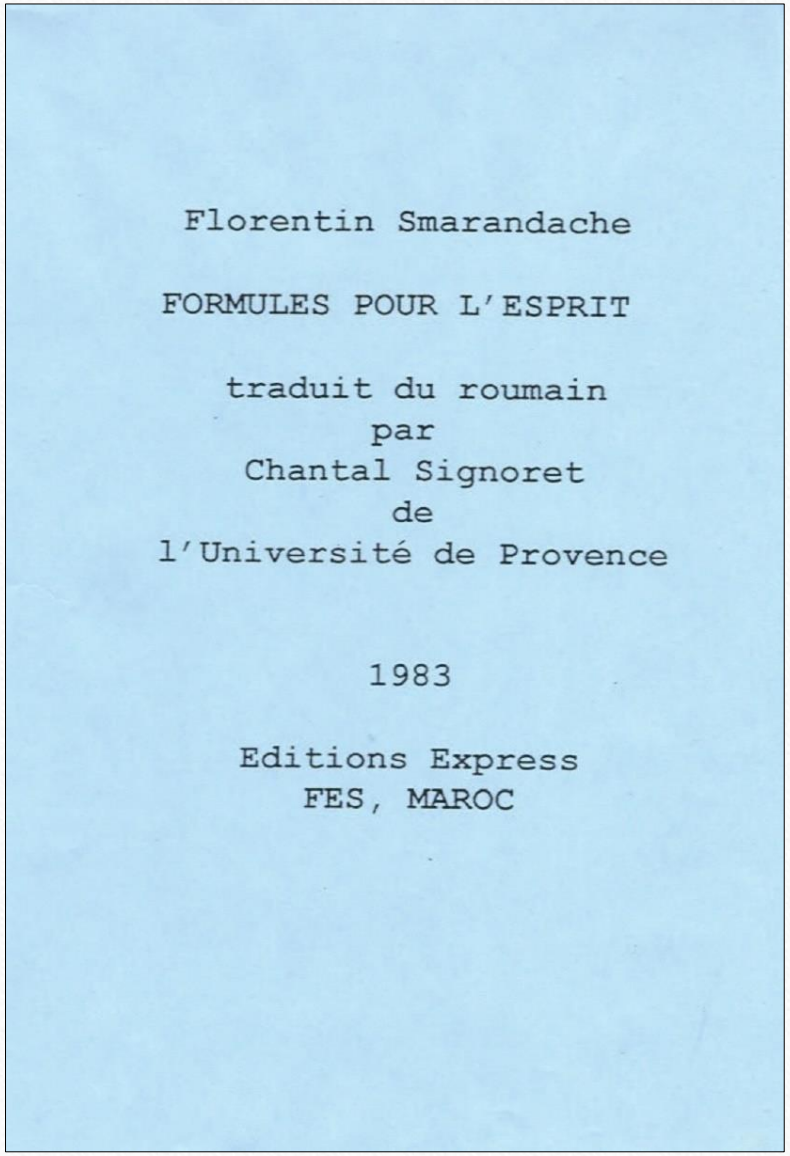
The drama of ephemerality, of the precariousness of existence does not cause traumas, violent splits at the level of syntax.

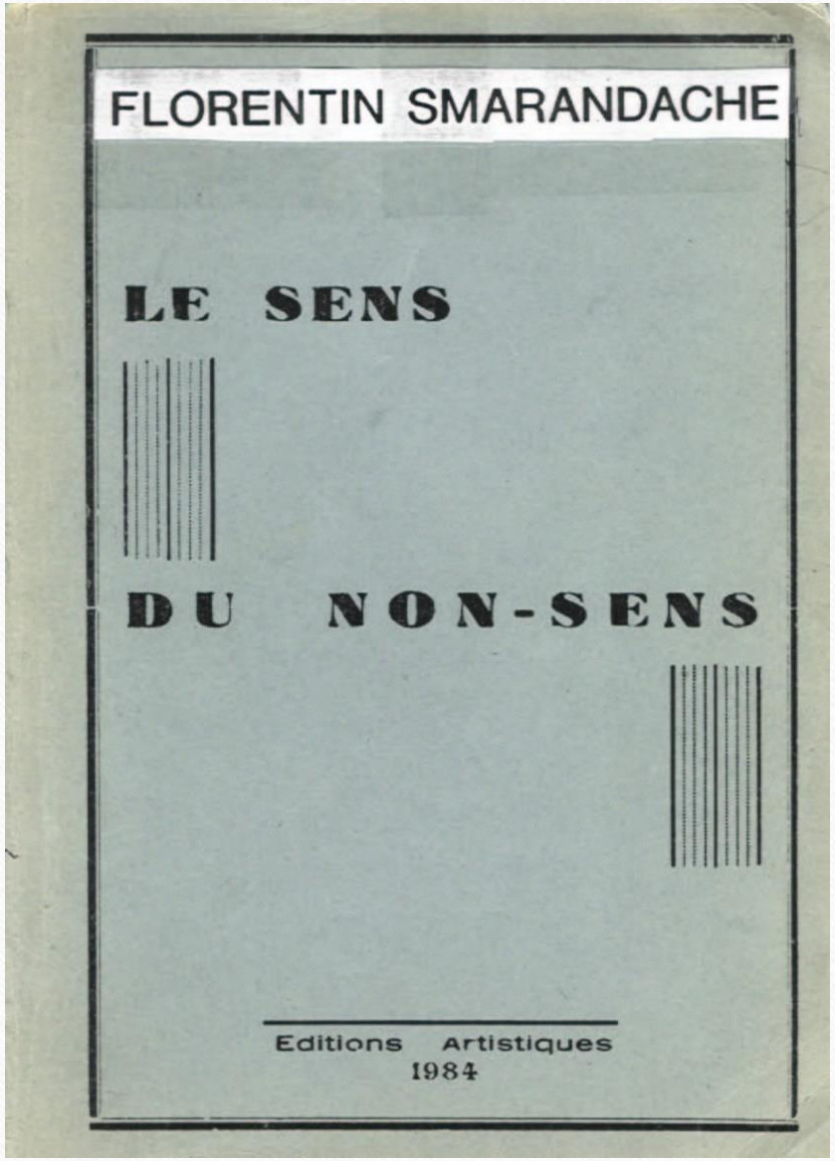
His poetry follows the subtle metamorphosis of the ego; the poet is reconciliated with his condition of dreamer who changes, at the level of his delicate utopia, the moment into eternity and immortality into imagi-nation, into a childish caprice. His lyrical confession like Montale-Ungaretti's poetics, acquires the value of a keen interrogation on time, with, with the nostalgic resonance which reminds of Kavafis.

The message conveyed with the delicacy of a poet consists in the devouring need of purification, of sublimation, which continues to be experienced by the soul of this century.

– Mircea Sever

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Florentin Smarandache: **Le Sens du Non-Sens**. Fès, Morocco: Editions Artistiques, 1984, 69 p.

Keywords: Poetry, Paradoxism, Creative Writing, Meaning, Non-Meaning, Anti-Meaning.

"Délivrant le vers de la tyrannie du clacissisme et de ses dogmes, l'auteur se permet des audaces qui n'ont rien avoir avec le sens que les plus évolués de nos modernes pourraient donner à la moindre idée de liberation creative et expressive. Le titre de l'ouvrage parle d'ailleurs de lui-même."

– Paul Courget

"L'auteur mène une vie disposant de tout pour ne pas être non-surréaliste. De nationalité roumaine, Florentin qui écrit en français et vivant dans un pays arabe est professeure de mathèmatiques! Quel paradoxe... Cet ensemble d'anti-poèmes, en anti-vers, dans un recueil d'« anti-sens », passe pour un coup de poing longuement emmagaziné au fond du coeur d'un poète qui ne ressent aucun mal de concilier sa profession scientifique et ce que son inconscient conscient veut exterioriser. Influencé par le mouvement surréaliste du debut du siècle dont A. Breton figure comme le leader, ce jeune poète qui ne depasse pas la trentaine, démontre dans son present recueil que cette vague peut survivre de notre époque, mais avec d'autres conceptions et d'autres données." Le réussit avec amour comme, dans ce sacre « Petit Grand Jour» : L'auteur a des ailes au chapeau."

– Abderrahim Bargache

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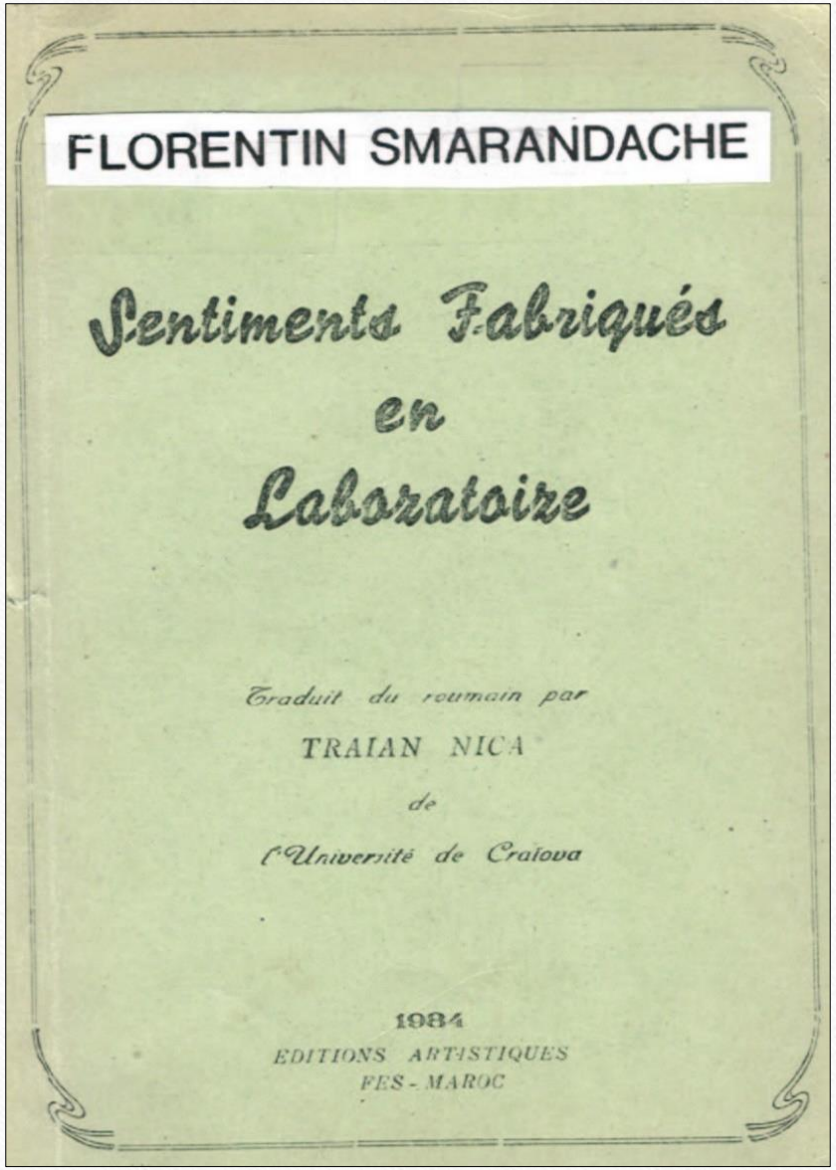
Florentin Smarandache: **Sentiments fabriqués en laboratoire**. *Poèmes. Traduit du roumain par Traian Nica.* Fès, Morocco: Editions Artistiques, 1984, 124 p.

Keywords: Poetry, Paradoxism, allégorie, sentiments, artifices.

"Ces sentiments fabriqués ne sont nullement des artifices de laboratoires. Ce sont, comme on peut bien nous le laisser entendre, des fleurs en plastique mais auxquelles un soufle artistique est capable de donner un peu de sève, un peu de vie et qui n'ont pas beaucoup à envier aux fleurs maturelles. Evitant les sophistications des émotions, l'auteur n'use des inesses que rarement (mais alors il le ait superbement) ne roulant des sentiments défigurés et mystifiés. Cependant, ce qu'on aurait pu prendre pour une secheresse – d'ailleurs voulue – est heuresement sauvé par un art poétique d'un grand raffinament et un style ont le procédé principale reste la métaphore une fenêtre envahit de lumière, l'allégorie et de comparaisons imaginées voyante mais trop osées."

– Jawad Ben Serghini

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http://fs.unm.edu/Sentiments.pdf





Florentin Smarandache: **Anti-Chambres et Anti-Poèsies ou Bizarreries**. *Vers paradoxaux*. Fès, Morocco: Alipress, 1984, 26 p.

Keywords: Poetry, Paradoxism, Poèsies, Anti-Poèsies.

"Ces travaux modernistes pour amateurs avertis, et qui, chaque fois, ne manquent pas de nous laisser sur notre faim, notamment ceux, sans texte apparent, soir de l'auteur lui-même, soit traduits par lui du sanscrit, du malais, du celte et même du rien (qui est à n'en pas douter une nouvelle langue), ont la particularité plaisante, à défaut de faire de nous des adeptes, de nous faire réfléchir sur les mystérieux arcanes d'une sorte de dadaïsme largement dépassé, mais plus encore, ce qui est toujours bon pour l'intellect, de nous surprendre en nous divertissant."

– Paul Courget

Excerpts:

Il est onze heures moins cinq. Donc / onze moins cinq, ça fait six heures; Marie se marie. / Elle se rabat sur Rabat / et prend le bateau pour tanguer / vers Tanger; En pleine rue vide / il vent ne souffle pas mot…

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http://fs.unm.edu/Antichambres.pdf

Florentin Smarandache: **Fanatico**. *Poemas em Portugues. Translator: Teresinka Pereira*. International Writers and Artists Association, 1989

Keywords: Poetry, Paradoxism.

Excerpts:

Fanático da anti-literatura

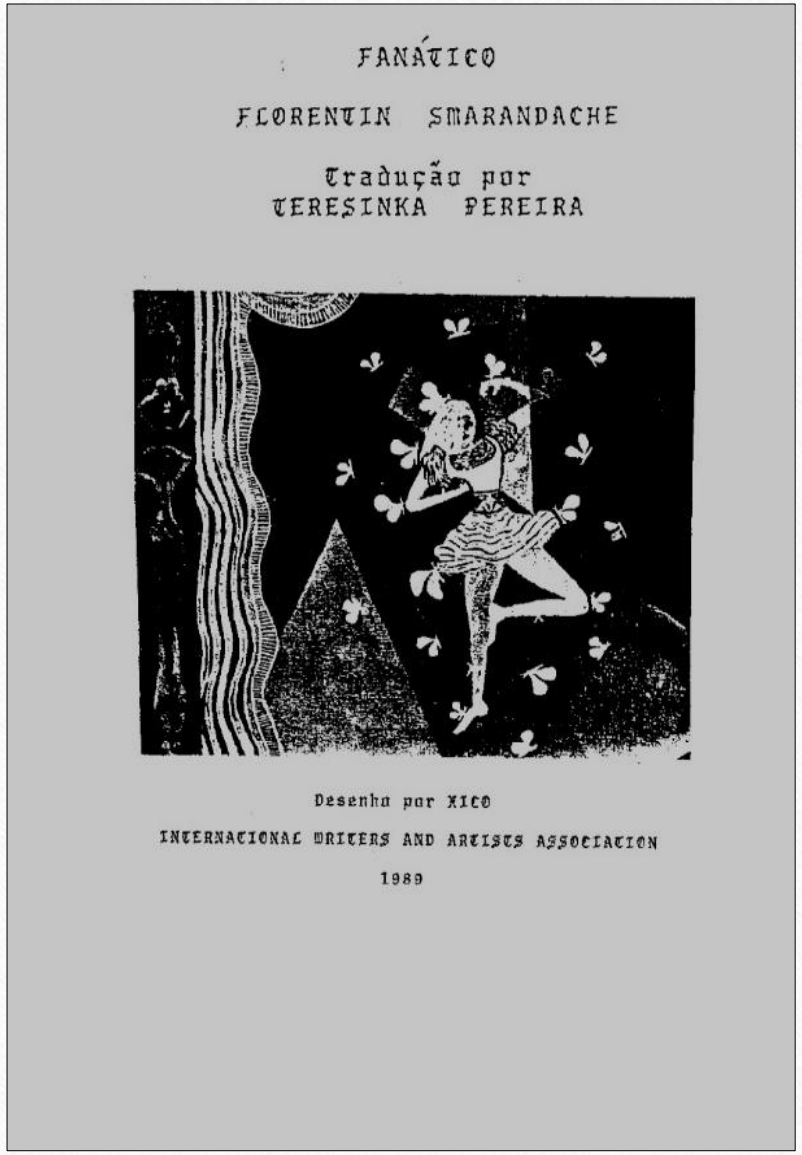
Dá-me licença para morrer!
Porque cheguei a ver
que nao se pode ver.
Tenho vinte e quatro anos
ou oitenta?
Já fiz o ultimo inverno,
o outono de minha vida.
Dá-me licença para morrer!
Porque tenho vergonha
de declarar que sou poeta.
Eu formo a deformaçao da lingua!

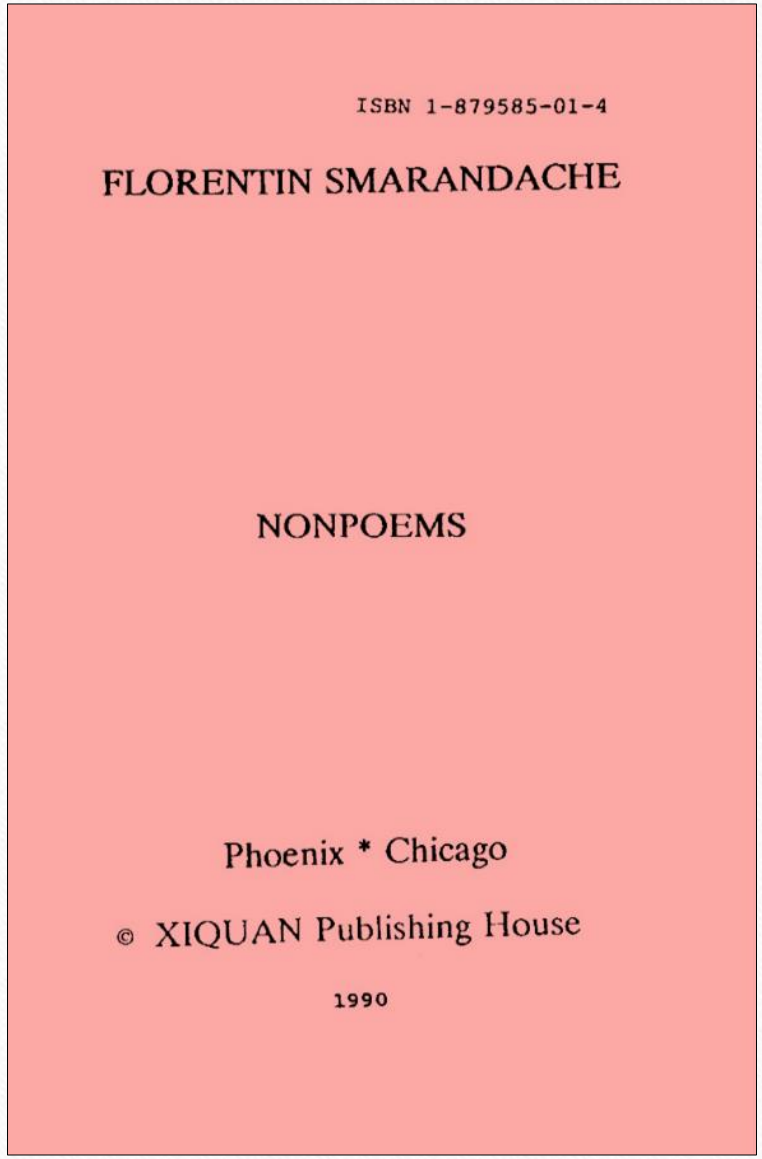
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Romantismo
De ixa que a brisa me leve
da abnegação ao império
do sonho e da aventura,
onde formosas moscas
voam como cabelos louros...

Deixa que me perca
no infinito azul dos olhos dela.
Que o Mármara transborde
sua alma no reino da paixão,
Istambul, por MM, e só por ela.

A moça loura que me faz
ferver o sangue e me inspira,
e me atormenta os maus espíritos.
Ela os conduz a um encontro
imaginário e louco...
Mónica, por favor:
entrega-me teu amor!





Florentin Smarandache: **NonPoems**. Phoenix, AZ, USA: Xiquan, 1990, 100 p.

Keywords: Poetry, Paradoxism, NonPoems, Poems.

In his volume of poems, paradoxically called ″NonPoems″, the poet Florentin Smarandache wrote empty/blank poems! These poems have no lines and no titles at all (page 87 to 93)! In the summary of the book, the poetical cycle is called <Seven POEMS-WITHOUT-POEMS>, and for pages 87 to 93 is written <First>, ... <Seventh>! Therefore, the shortest poem of the world has no character. The same poet, in the same volume, has composed poems that have only... titles (and no other lines at all)! The poetical cycle is called <Twenty one POEMS-WITHOUTH-POEMS>, and – for example – a poem is named <Blank Verse> (the page is blank), another one is named <Black Verse> (the page is painted black), or <Tabula Rasa>, or <Introspection>, etc.

In same volume, Smarandache wrote a poetical cycle named <Poems in PIRISSANORENCH> and its sub-title <Translated from English by the author>! He also adds, refering to the Pirissanorench: Language spoken in the North-West of the United States by a single person!

– Charles T. Le

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Florentin Smarandache: **Inventario del General Malo**. *Poemas en Espanol. Translator: Teresinka Pereira.* International Writers and Artists Association, 1991

Keywords: Poetry, Paradoxism.

"Florentin Smarandache ya era unos de los mejores poetas de Romania cuando sus 1ibros y poesias fueron prohibidos en su pais. Porque ofreci resistencia a la dictadura de Ceausescu fue perseguido y tuvo que exiliarse. Despues de pasar casi dos anos en un carnpamento de refugiados en Turquia se ernigro a les Estados Unidos. Ahora trabaja y estudia para su doctorado en la Universidad de Arizona. Tiene muchos libros publicados internacionalmente."

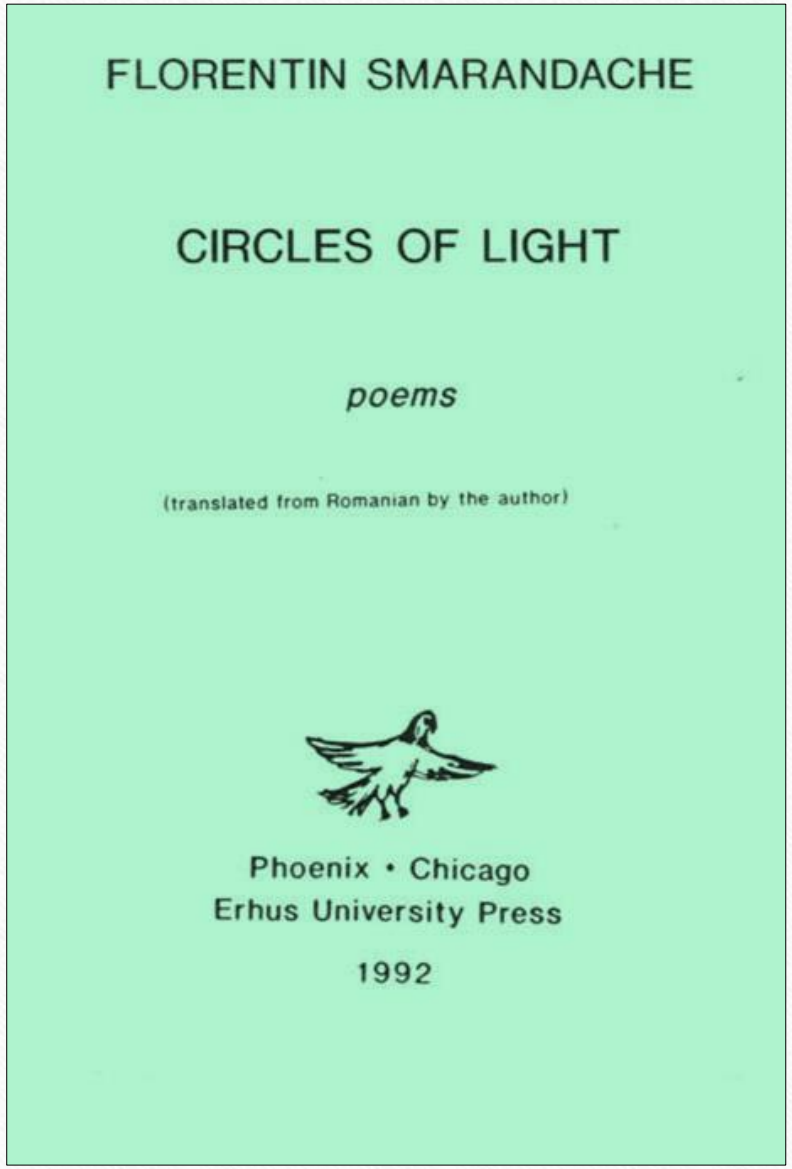
– Teresinka Pereira

Excerpts:

Deja que la brisa me lleve
de la abnegacion al imperio
del ensueno, de la aventura,
donde hermosas moscas
vuelan coma pelos rubios

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Florentin Smarandache: **Circles of Light**. *Poems. Translated from Romanian by the author.* Phoenix, AZ, USA: Erhus University Press, 1992, 104 p.

Keywords: Poetry, Paradoxism.

"The sensations of our living perceptions are celebrated in their mad wild glory. Every page exclaims riotously with announcement of sensation, and (perhaps) uncontrollably. The poetic impulses are unaffected, are real and one poem seems scarcely to be old when a new poem is begun and the older forotten, unperfected, exiled from mind into the black closet of a book."

– David Castleman

Excerpts:

The transparent Moon
Half gnawed
By night's worms
Is burying itseelf
Through these clouds
So Flattened
As if God had put
His hands on their heads.

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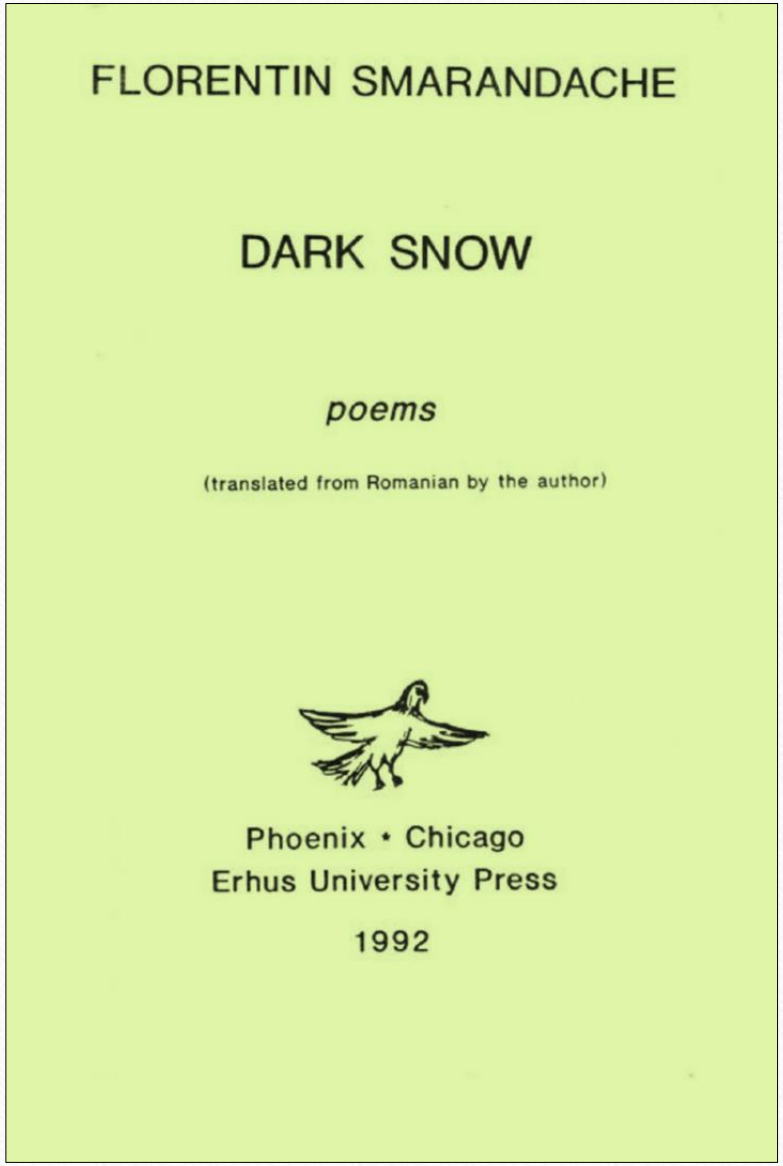
Florentin Smarandache: **Dark Snow**. *Poems. Translated from Romanian by the author.* Phoenix, AZ, USA: Erhus University Press, 1992, 124 p.

Keywords: Poetry, Paradoxism, Communism.

"Florentin Smarandache is an amazing person, being very prolific in mathematics and literature, primarily verse. In my opinion, this is his best collection of poetry. I was moved by some of the passages, as he describes how the communist system in central Europe so utterly crushed the human spirit. A political refugee who fled the brutally illogical regime of Nicolae Ceausescu, he is clearly speaking from the depths of his being in these poems. Feelings of numbers, despair and absurdity are expressed as the people under those regims did ehat they could to survive, even if it meant loosing their feelings. The absurdity of the communist system in eastern Europe is no more apparent that when you realize it collapsed in a matter of days, once it was clear that force would not be used to maintain it. In this collection, you take a retrospective look at what life was like in that system for someone whose intellect was strong enough to rebel. This is one of my favourite collections of poetry."

– Charles Ashbacher

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Download from The Science Library at University of New Mexico – Gallup:
http://fs.unm.edu/Clopotul.pdf

Florentin Smarandache: **Clopotul tăcerii / Silence's Bell / La Cloche du silence**. *Translation by Rodica Ştefănescu and Ştefan Benea*. Phoenix, AZ, USA & Bucharest, Romania: Xiquan & Haiku, 1993, 180 p.

Keywords: Absolute Theory of Relativity, Parameterized Special Theory of Relativity, No speed barrier in the universe, Noninertial Multirelativity.

The book "Clopotul tacerii / Silence's Bell / La Cloche du Silence" contains non-standard haiku poems in three languages: Romanian, English and French.

Îndeajuns de fidel regulii păstrării succesiunii silabelor în tristihul consacrat haiku-ului (5-7-5), respectă însă conciziunea, pentru că mai mult de jumătate din haiku-uri de aici se află sub numărul de 17 silabe, ceea ce, la noi, măcar, este un record. Respectă împărțirea pieselor în anotimpuri: din cele 80, 12 sunt închinate primăverii, 28 verii, 25 toamnei, 15 iernii. Înstrăinatul, lucru interesant, cântă (la modul Alecsandri sau Ion Pillat) natura patriei de origine. Simte adieri discret nostalgice "înspre partea de răsărit a inimii", cum singur declară, de dincoace de Atlantic adică. Iată câteva dintre cele mai tipice închinate primăverii câmpenești de la noi: "Fragezi ghiocei/ trag de sub zăpadă/ primăvara" (unde sugestia metaforică constă în predicatul "trage", o... personificare); "În arături adânci/țarina/ deschide gura" (unde iarăși predicatul-personificare îl arată pe fiul de țărani olteni); "Lăstarii pe margine/ cresc/ în sensibilitate": de remarcat concretizarea abstracțiunii în complementul de loc. Iată o hiperbolă: "Izbucnesc salcâmii/ în hohote/ de muguri". Ca și personificarea Timpului (ca la Eminescu în celebrul vers: "Timpul mort și-ntinde trupul și devine veșnicie", deși între haiku-uri lui Smarandache și Scrisoarea I nu este nici o relație de fond): "Timpul deschide/ fereastra unei clipe/ și se uită la mine". Nu trebuie trecută cu vederea mentalitatea matematicianului (gândul matematic, de la un punct încolo, poate trece pragul nebuniei chiar) și teoreticianului "paradoxist", "românizată" prin cuvântul neaoș "gărgăuni": Zbârnâie gărgăunii/ mulți/ ai unui gând".

– Ion Rotaru

Florentin Smarandache: **Laws of Internal Composition**. *Poems with… Problems! Translated by the author from a 1982 Romanian manuscript.* Ann Arbor, MI, USA: Multimedia Larga, 1993, 78 p.

Keywords: Poetry, Paradoxism, Autobiography.

"For me, Florentin Smarandache's appearance in the Romanian literature – I tell this from the beginning and with all my conviction –, is worth a real event. Not his character's exotism is interesting, nor his fabulous and dangerous "diligence," but the excellent value of his unusual struggle-in-unknown that is becoming an Oeuvre."

– Gheorghe Tomozei

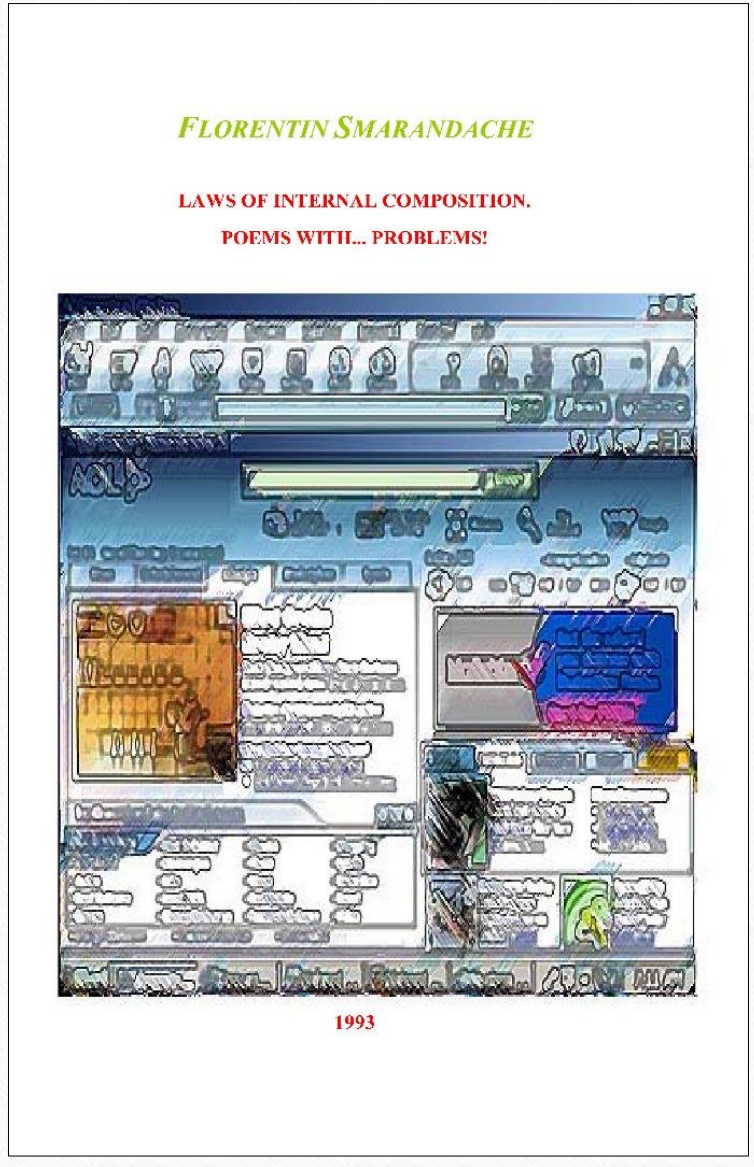
"I have written this book in a time of deep torment, when the illness inside was continuously torturing me for years, and my desperate efforts at finding a job - according to my skills and education - were failing."

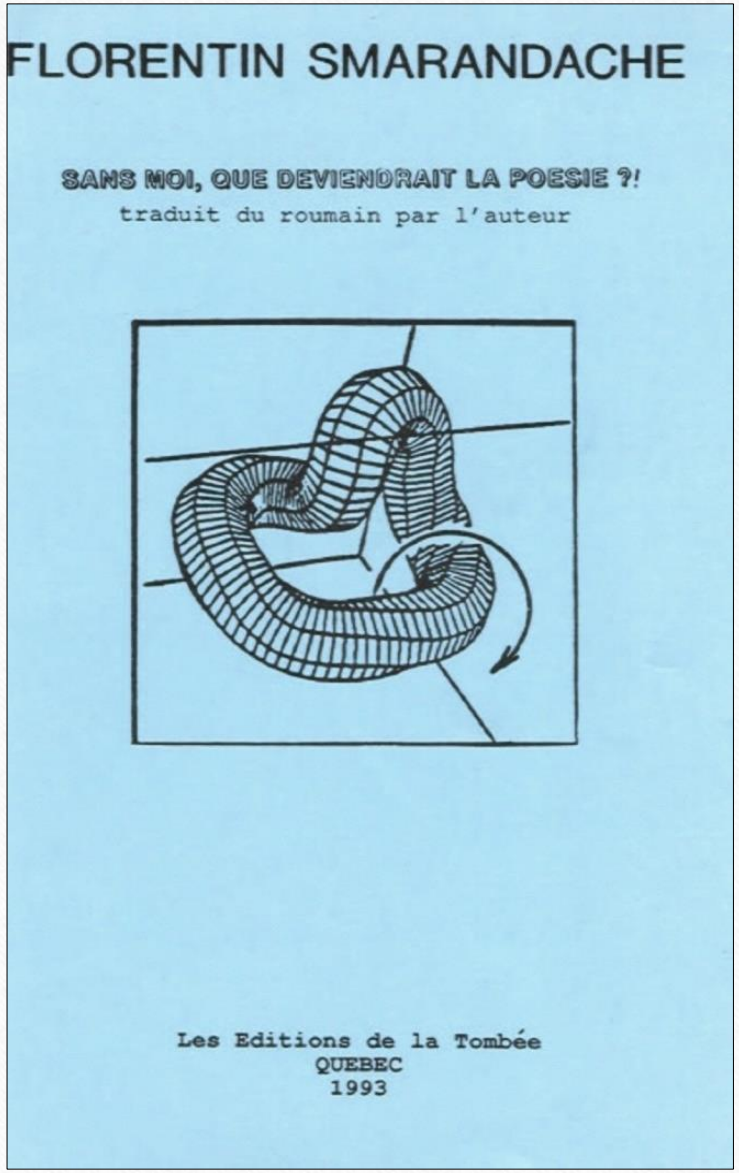
– Florentin Smarandache

Excerpts:

I leave you with my poems. Feel through me!
I have achieves this volume in three years,
but read it in T E N!
It is a hut from the outside,
and maybe a castle inside.
(this volume holds connections
with the earth!)
The book has me between its covers -
but now it is in its agony.

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Florentin Smarandache: **Sans Moi, que deviendrait la Poésie?!** *Traduit du roumain par l'auteur.* Québec, Canada: Les Éditions de la Tombée, 1993, 68 p.

Keywords: Poetry, Paradoxism.

> "Le Paradoxisme semble vouloir ouvrir une autre voie vers la fameuse poésie faie par tous. D'où la légèreté: le paradoxisme n'exige ni sixièmes sens, ni alchimies ni génie, disons-le. Mais seulement un coup d'oeil, qui est plus dédaigneux des lois sacrés de l'écriture."
>
> – Khalil Raiss

Excerpts:

"La poesie est partout et nulle part.
Ce qui ne m'interesse jamais, c'est la non-poesie.
Voila pourquoi je la fais!
Car la non-poesie est elle-meme (à la riggueur)
une poesie
un art du non-art
creation de l'inexistant
lyrique anti-lyrique
Mais comment nous imaginer l'inimaginable?"
(La hauteur de l'auteur)

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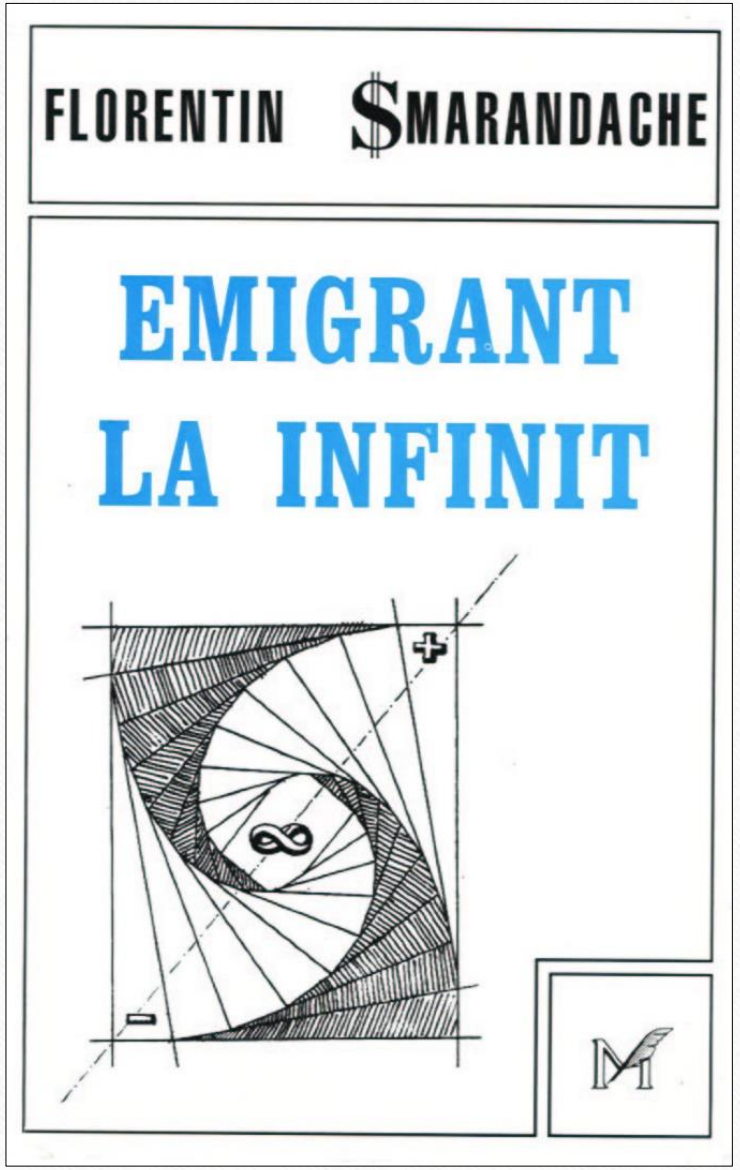
Florentin Smarandache: **Emigrant la infinit**. *Versuri americane*. Târgovişte, Romania: Macarie, 1996, 120 p.

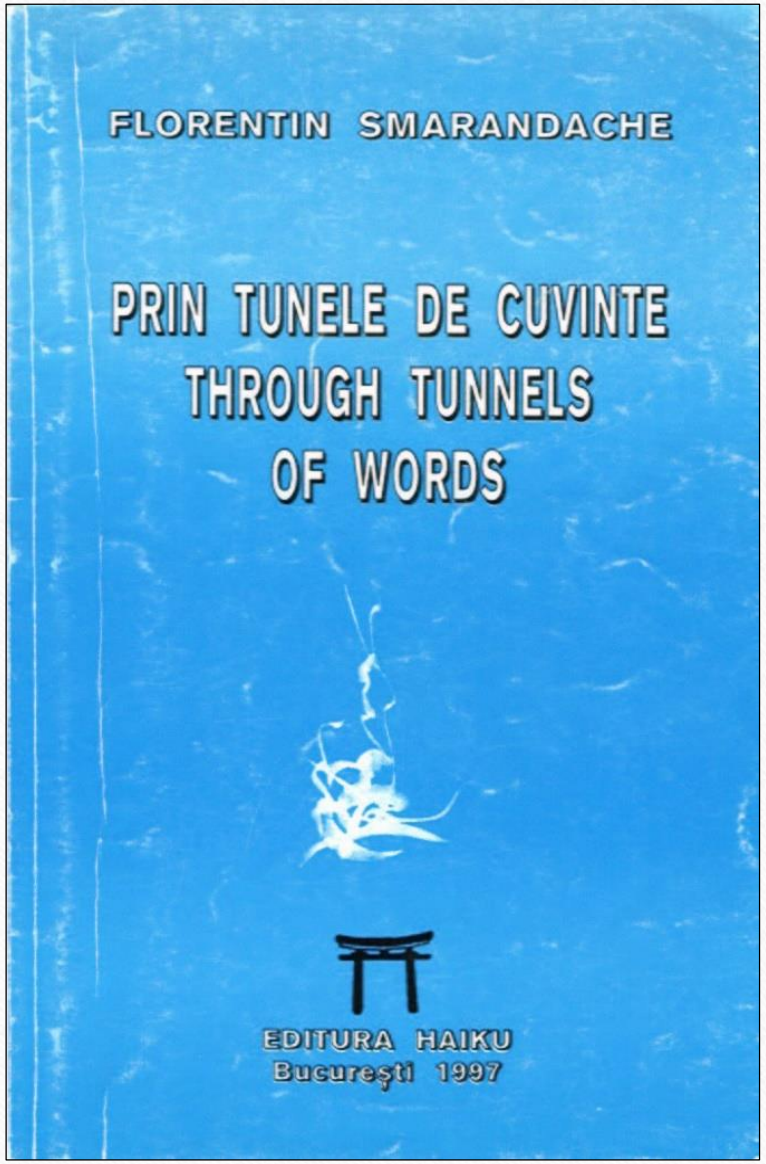
Keywords: Poetry, Paradoxism, Autobiography.

Volumul „Emigrant la infinit” este o autobiografie poetică a lui Florentin Smarandache, care se înfățișează autorului în diferite ipostaze ale nestatorniciei sale de o viață, el se prezintă astfel: „Sunt cavalerul care-n luptă/ Se-avântă-n mână cu o floare/ și ca podoabă agățată/ O sabie la cingătoare” (Gânduri fugare). Adesea este măcinat de gânduri apăsătoare și incertitudini, călătorind ca un semn de întrebare pe meandrele lumii: „Eu sunt viu/ și mort sunt pentru unii/ și număr sunt, prenume și nume și nimic/mormântul călător al lumii/ tristețea grea/ mustrarea trece/ a gândului de bine ne-mplinit/ un timp ce parcă nu mai trece/ chemându-mi viața și/ chemându-mi moartea în zadar să vină/ și așteptându-le ca pe-o lumină/ mă sting și mă aprind intermitent” (Eu ca o contradicție). Într-o seară de Crăciun, poetul îi scrie iubitei o scrisoare copleșită de singurătate și depărtare, presărată cu inflexiuni verbale tipice unui veritabil oltean: „Îți mai scriu o scrisoare/ să mai discutăm/ despre Crăciun/ ce mai făcurăm, ce mai dresărăm/ și ce găsirăm în el/ săracii de noi/ săracii de ei”. Precizarea are darul elocvenței: „Cum zisei/ bradul meu a fost/ unul brumat de Oregon/ din Munții Americani/ care-mi țin de frig/ provizoriu/ în loc de Carpați, de Argeș” (Singur de Crăciun). În această dispoziție, pentru a se consola, autorul compune „Imnul Olteanului-American”: „M-a făcut mama oltean/ Port blue jeans de-american/ Cu pălărie sombrero/ și fumez țigări Marlboro,/ Mănânc praz și beau din țoi, / În Craiova-s cowboy/Măi Leano!” etc.

– Ion Segărceanu

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Florentin Smarandache: **Prin tunele de cuvinte / Through Tunnels of Words**. *Poeme într-un vers / One Line Poems. Traducere în limba engleză de Florentin Smarandache*. Bucureşti, Romania: Haiku, 1997, 74 p.

Keywords: Poetry, Paradoxism, One Line Verse.

Început prin volumul de haiku-uri *Clopotul tăcerii*, procesul de clasicizare a paradoxismului se continuă prin prezentul volum *Prin tunele de cuvinte*, care conţine poeme într-un vers şi care se vrea o replică la mai vechiul ciclu, atât de ostentativ afişat: *Poeme fără nici un vers*. Asistăm la o dialectică a negaţiei şi la o polemică interioară în cadrul operei smarandachene. Poetul se dezice de el însuşi, de o ipostază a sa lirică anterioară. TItlul volumului ne atrage, numaidecât, atenţia. Prin tunele de cuvinte, o metaforă din poemul ultim al volumului, vrea să sugereze mersul unidirecţional al discursului poetic prin "tunelul" cuvintelor dintr-un singur vers. Sugestia de a scrie poeme Într-un vers îi va fi venit, probabil, lui Florentin Smarandache de la Ion Pillat, unul dintre marii poeţi români din perioada antebelică.

– Ovidiu Ghidirmic

Iubind conciziunea și poet înnăscut fiind, Florentin Smarandache încearcă, nu fără succes, și poemul cu un singur vers.

– Ion Rotaru

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http://fs.unm.edu/TunnelsWords.pdf

Florentin Smarandache: **Afinităţi**. *Traduceri din lirica universală*. Aarborg, Danemark: Dorul, 1998, 116 p.

Keywords: Poetry, Translation, Teresinka Pereira, Octavian Goga, Eileen Siriwardhana, Victoria Rotolo Dolyniuk, Dennis Kann, Rosemary Challoner Wilkinson, Montri Umavijani, José Ríos, Amerigo Iannacone, Katsue Komada, Key Kunihiro, Goon Fatt Chee, Pradeep S. Rana, Michèle de Laplante, Tristan Tzara, Léopold Sédar Senghor, Juan Montero Lobo, Paul Courget, Jacqueline Delpy.

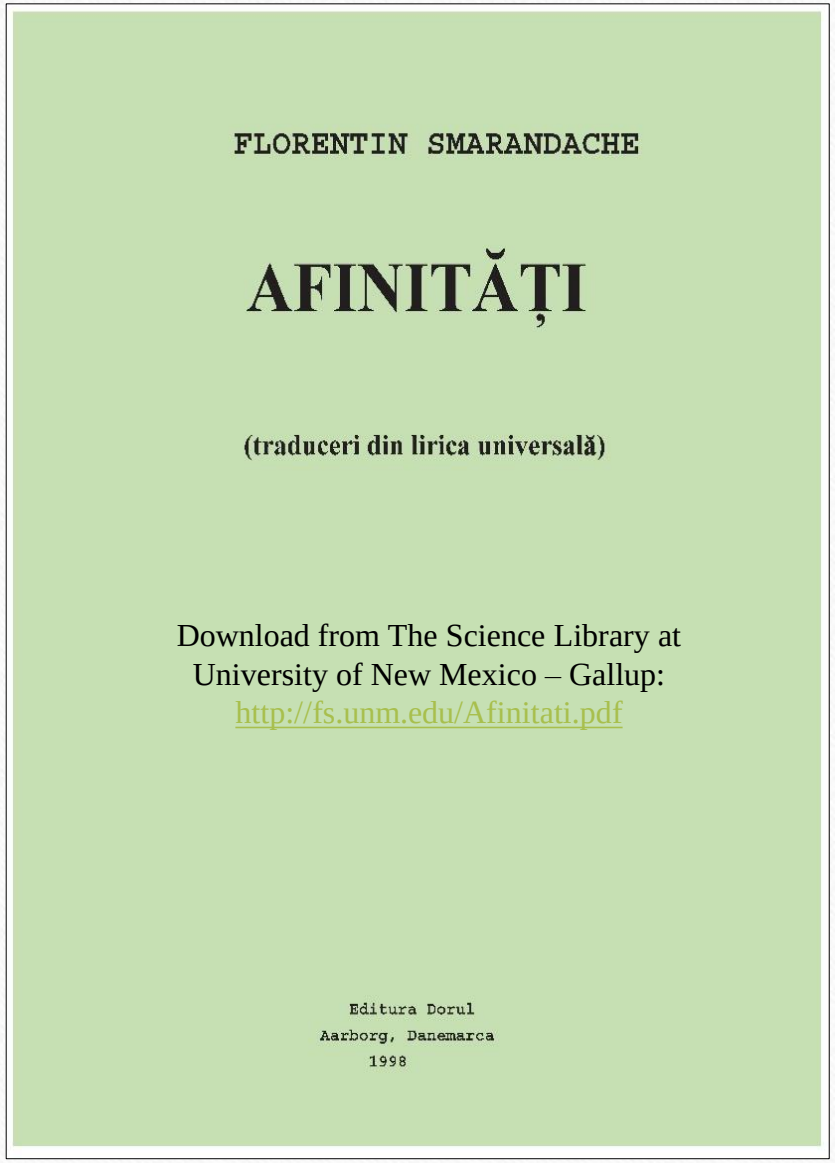
Antologia, selectată absolut pe criterii personale, cuprinde „un evantai de 42 de poeţi din 23 de ţări”, inclusiv din ţări exotice, ca Benin, Gambia, Malaezia, Nepal, Sri Lanka, fiindcă, aşa cum mărturiseşte poetul în prefaţă, este „mereu în căutare de exotism”.

Poeziile din „Afinităţi” sunt traduceri efectuate într-o perioadă relativ scurtă, cuprinsă între 1989 – 1995 şi care „explodează” criteriile lui Thibaudet. Autorul antologiei ignorând orice problemă legată de generaţii care, după cum ştim, a declanşat răfuieli pătimaşe în toate ţările unde s-a „bătut monedă” pe o astfel de clasificare, uneori veninoase, orgolii incendiare, vanităţi furibunde, a reunit între coperţile cărţii sale mode şi timp care au încăput prin „inelul” acela denumit atât de concret de Florentin Smarandache „Afinităţi”.

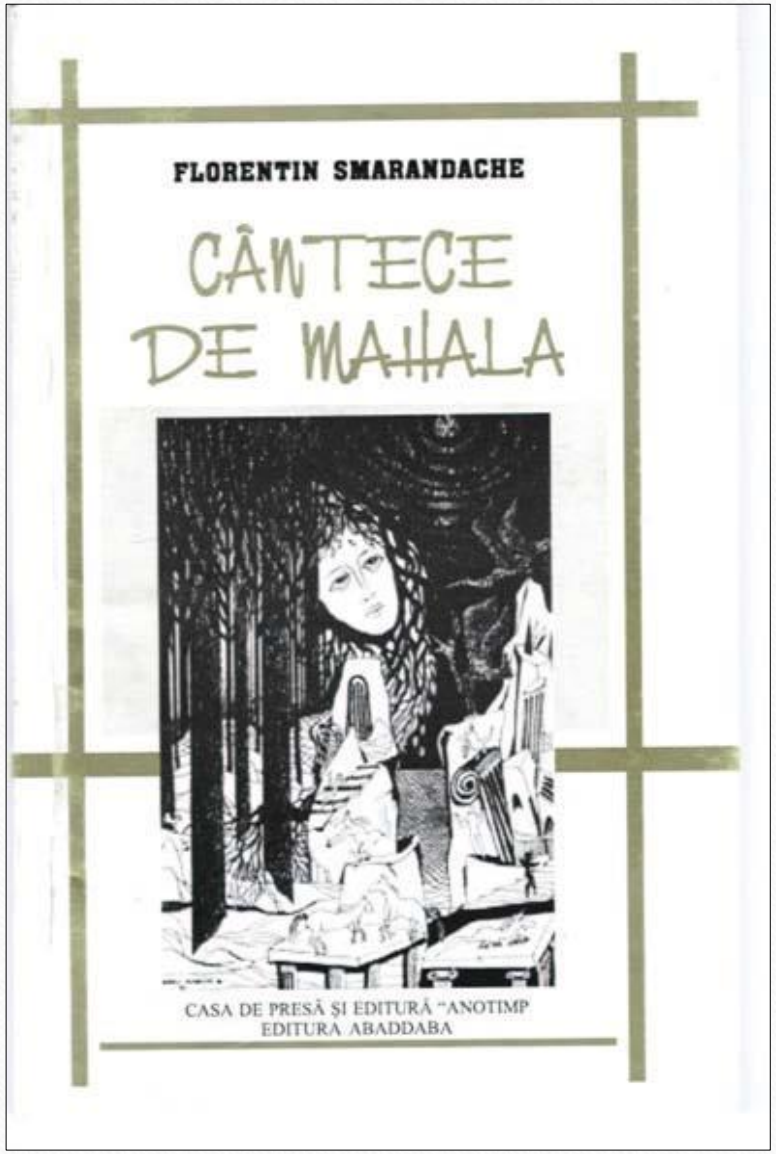
Dincolo de orice delimitări, foarte fireşti altfel şi naturale pentru psihologia traducătorului, criteriul ales de acesta a fost acela al diversităţii, aşa cum declară, dar noi descoperim elemente comune la aproape toţi autorii traduşi, coagulate în jurul unui Zeitgeist specific.

Instrumentele de lucru au fost limbile: franceză, engleză, portugheză, spaniolă şi italiană, evantai care confirmă că Florin Smarandache deţine acel diapazon lingvistic ce poate vibra pe o gamă largă a subtilităţilor lingvistice din care a tradus.

– Al. Florin Ţene



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Florentin Smarandache: **Cântece de mahala**. Oradea, Romania: Anotimp & Abaddaba, 2000, 80 p.

Keywords: Poetry, Paradoxism, Malagambe.

"De la bun început am rămas surprins de simplitatea și jocul de cuvinte aflate în miez de șatră. Poetul Florentin Smarandache scrie mai degrabă o poezie ce tulbură concretul luat ca întindere și desfășurare. Cartea lui Smarandache concentrează un anumit spațiu al reveriei de cort, și nu este la îndemână oricăruia de a porni „Ciorovăiala" din care citățm: „Păi, dacă-i bal/ bal să fie, neică/ la o adică/ Ți-ai luat-o-n cap, hai/ vrei „mălai"?/ Prost, mă, de dai/ cu bâta-n baltă!". Poemele lui Florentin Smarandache seamănă cu un dicționar care-l scoți mereu din sertar, pentru a te înveseli și a zâmbi după o lungă întristare. Nu putem încheia puținele rânduri, fără a cita poemul „Mocofane": „Biet hapsân/ cu frica-n sân…/ Poți să te arunci în cur și-n cap/ nu-ți mai cântă-n strună/ Te-am lăsat cu ochii-n soare/ ca pe o scofâlcită prună"."

– Miron Țic

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Florentin Smarandache: **Culegere de exerciţii poetice**. *Prepoeme*. Craiova, Romania: Aius, 2000, 56 p.

Keywords: Poetry, Paradoxism.

"Culegere de exerciţii poetice poate fi considerat volumul de debut, dacă ţinem cont că a apărut în 1982, în Maroc, ediţia în limba franceză, la Editions El Kitab, Fès, Maroc. Acest volum nu este paradoxist, ci numai anticipează, prefațează „paradoxismul". Florentin Smarandache, ca un zeu al cifrelor şi al geometriei, îşi permite să-şi încarce buzunarele nicidecum cu bani, cu galbeni, cu bijuterii, ca un bogătaş pământean, ci el foloseşte cât vrea şi cum vrea cifrele şi figurile geometrice, adevărata bogăţie care stă la baza existenţei din toate timpurile, într-un mod inedit, altfel decât ceilalţi mari poeţi."

– Marinela Preoteasa

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Gheorghe Niculescu, Florentin Smarandache: **Prin albe şi clasice epii târzii**. Oradea, Romania: Anotimp, 2000, 97 p.

Keywords: Poetry, Paradoxism.

Excerpts:

Culori
L-am văzut cum auzea
Despre culori că sunt frumoase
Şi l-am auzit cum le vedea
Deşi el nu mă auzea că-l văd.
Când n-a mai auzit
Ce era de văzut pentru alţii,
Albastru se făcu şi mai albastru,
Albul se făcu mult mai alb,
Pentru a-l înlesni pe galben
Să devină mai galben;
Negrul a devenit mult mai negru
Şi, mai ales, mult prea devreme
Atât de devreme încât
Verdele n-a mai putut deveni
Verde, verde, verde.

Colors
I saw him hear
About the colors being beautiful
And I heard him see them
Although he didn't hear me see him.
When he never heard again
What to see for others,
Blue turned even bluer,
White turned much whiter,
To make it easier for yellow
To become yellower;
Black has become much blacker
And, especially, too early
So early that
The green couldn't turn anymore
Green, green, green.

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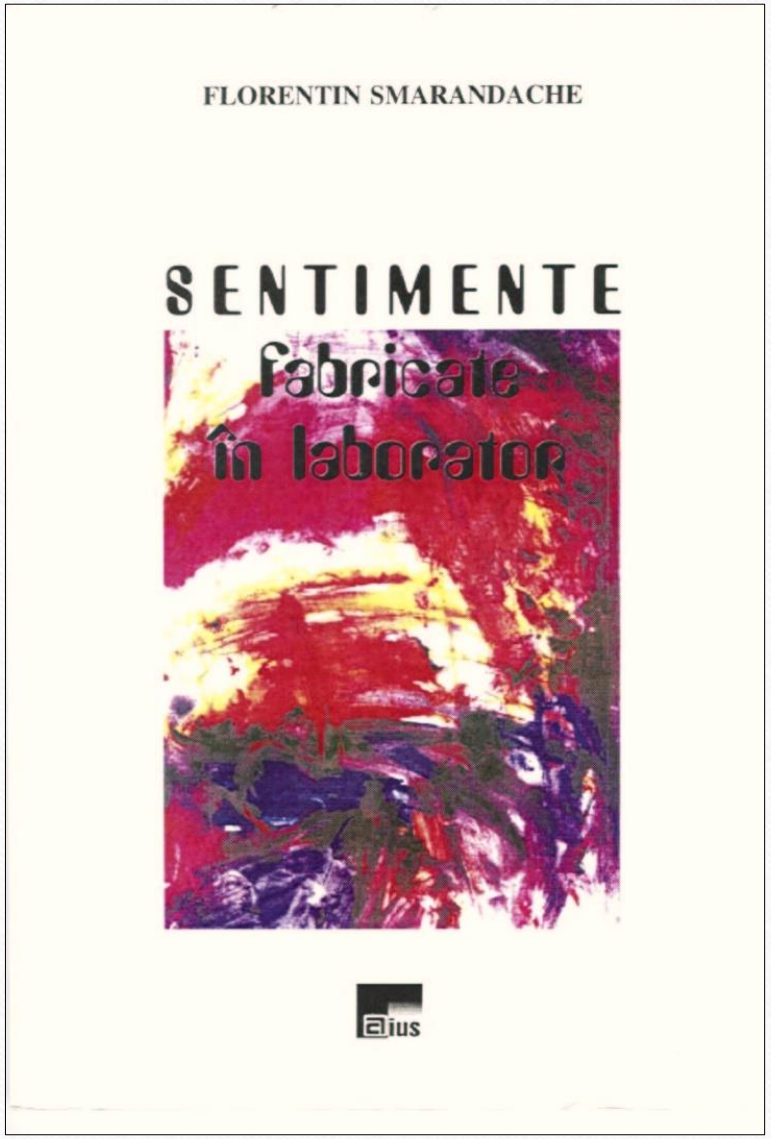
Florentin Smarandache: **Sentimente fabricate în laborator**. *Poemele începuturilor literare*. Craiova, Romania: Aius, 2000, 131 p.

Keywords: Poetry, Paradoxism, Metaphorical Equations.

"Imaginaţi-vă că aceste poeme ar fi fost create de o maşină electronică, deşi nu sunteţi prea departe. Eh, atunci ce-aţi fi gândit? Dacă în cele mai moderne laboratoare savanţii fabrică embrioane umane, noi fabricăm suflete. Urmând procedee mecanice se confecţionează stări spirituale. Algoritmi programaţi într-un limbaj evoluat produc pe bandă poezii. Scriitorul îmbrăcat în halat alb veghează la consola ordinatorului său crearea acestor sentimente logice. Este literatură infantilă pentru adulţi, sau invers. Versuri liniare rupte din imagini neliniare, ecuaţii metaforice ale insolitului, sisteme abstracte de gânduri, respiraţii de o secundă... precum florile de plastic, aceste poeme imită florile naturale."

– Florentin Smarandache

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Gheorghe Niculescu, Florentin Smarandache: **Vreme de şagă**. *Fabule, parodii, epigrame, catrene, distihuri.* Oradea, Romania: Anotimp & Abaddaba, 2000, 100 p.

Keywords: Poetry, Fabule, Parodii, Epigrame, Catrene, Distihuri, Fables, Parodies, Epigrams.

"Într-o vreme când toată lumea caută să ia lucrurile mai în serios decât sunt, doi scriitori autointitulați „paradoxiști" - Gheorghe Niculescu (din Uricani) și Florentin Smarandache (New Mexico - USA) - au ajuns la concluzia că e „Vreme de șagă". Așa s-a născut volumul cu acest titlu, despre care nu putem spune că este o carte de poezie, de epigrame, de povețe, de fabule. O carte despre nu putem spune că privește viața cu seriozitate, dar nici că o tratează ca pe o glumă. Greu de descris frumusețea cu care autorii trec, cât ai zice „paradoxism", de la poezia de dragoste la poezia privind creșterea vacilor de lapte. „Vreme de șagă" nu este o carte care trebuie descrisă. Este o carte care trebuie deschisă și citită. De la un capăt la altul. Pe nerăsuflate."

– Tiberiu Vințan

Excerpts:

"Admiţând că am admite
Anormalul ca normal,
Involuntar vom comite
Paradoxul voluntar.

Nu negăm că vom nega,
Anihilând nihilismul
Pentru a aprofunda
Paroxist, paradoxismul."

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http://fs.unm.edu/VremeDeSaga.pdf

Florentin Smarandache: **Mărgele risipite**. *Poezii culese din folclorul transnistrian de la Svetlana Garabaji și alții (2000-2001).* Rehoboth, DE, USA: American Research Press, 2002, 166 p.

Keywords: Poetry, Metaphors, Folklore, Transnistria, Moldova, Tighina, Corotna, Nezavertailovka, Krasnoe, Dnestrovsk, Slobozia.

"În mai 1997 treceam prima dată Nistrul, mergând în vizită la Odesa. Eram curios și atent la vorbirea basarabenilor, în trenul care mă purta de la Chișinau, iar în jurnal îmi notam expresii tipice, din partea locului. Mai târziu, în vara anului 2000, aveam să cunosc Tighina și câteva localități din jurul Corotnei. Domnul Pavel m-a plimbat cu mașina prin Nezavertailovka, Krasnoe, orășelul Dnestrovsk, și centrul raional Slobozia. Corotna este un sat moldovenesc, înconjurat de așezări ucrainești și rusești, iar Turunciucul, un braț al Nistrului, trece pe la marginea satului. Oamenii locului păstrează dulcea limbă românească și aici, în Transnistria. Am selectat și prelucrat o parte dintre aceste poezii melancolice, de jale, de părăsire, bucolice de la Svetlana Garabaji, profesoară - și ea - de matematică (!) la Școala Românească din Corotna. M-am gândit atunci să public aceste giuvaieruri de versuri idilice, folclorice: fabule moralizatoare, imnuri, cântece, poezii pentru copii, pasteluri... dovadă a continuității românești în această zonă."

– Florentin Smarandache

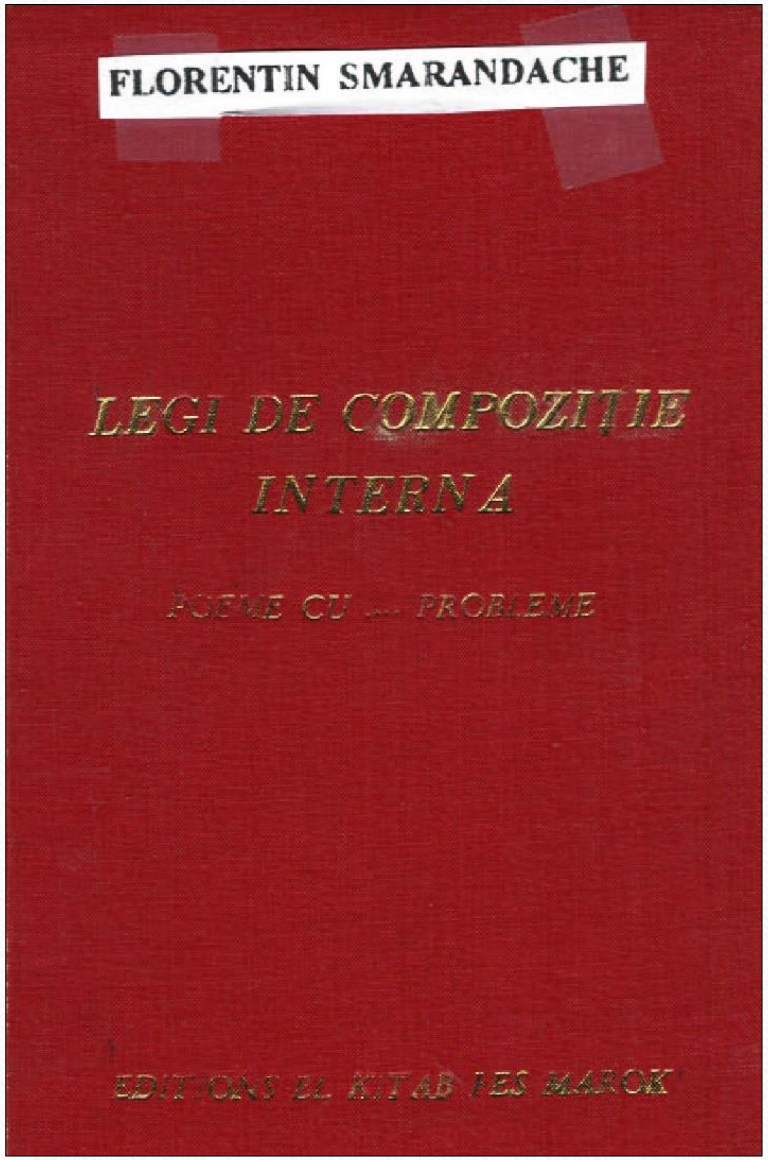
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FLORENTIN SMARANDACHE

MĂRGELE RISIPITE
(poezii culese din folclorul transnistrian
de la Svetlana Garabaji şi alţii)
2000-2001

ISBN 1-931233-52-7

American Research Press
Rehoboth
2002



Florentin Smarandache: **Legi de compoziție internă**. *Poeme cu… probleme!*
Râmnicu Vâlcea, Romania: Almarom, 2004, 140 p.

Keywords: Poetry, Metaphors, Problems, Composition, Poezii, Paradoxism.

The poems, in Romanian language, of this volume based on mathematical algorithms and computer programs break the language clichés and twist the reader's mind. Expressions in a proper sense are paradoxically interpreted in an opposite figurative sense.

Excerpt:
"Şi pentru că persoana mea nu are importanţă, am să tac despre mine, vorbindu-vă despre el. Ovidiu Florentin a văzut pentru prima dată lumina zilei/ noaptea (de 2 spre 3 octombrie 1980) în Craiova, din creierul meu. Dar el a fost conceput mult timp, după lungi căutări în suflet. Nu are mamă. Taică-su făcându-l din flori... De profesie, Ovidiu Florentin este visător, şi-şi practică meseria cu ochii deschişi. Iubeşte atât de mult libertatea încât este în disensiune cu toată lumea. Şi oricând are câte un marasm moare, dar renaşte singur din propria-i poezie... Este tăcut din fire, vorbind toată ziua cu ziarele, revistele, cărţile... Pe cap poartă o coroană plină de gânduri, şi umblă veşnic neras/din dorinţa de a nu avea barbă! Îi place mult să scrie, şi de aceea scrie puţin, poemele fiind făcute după chipul şi asemănarea sa..."

Florentin Smarandache

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Florentin Smarandache: **Emigrant to Infinity**. *Poems translated from Romanian by E. Baciu and the author*. Los Angeles, CA, USA: Automaton, 2007, 80 p.

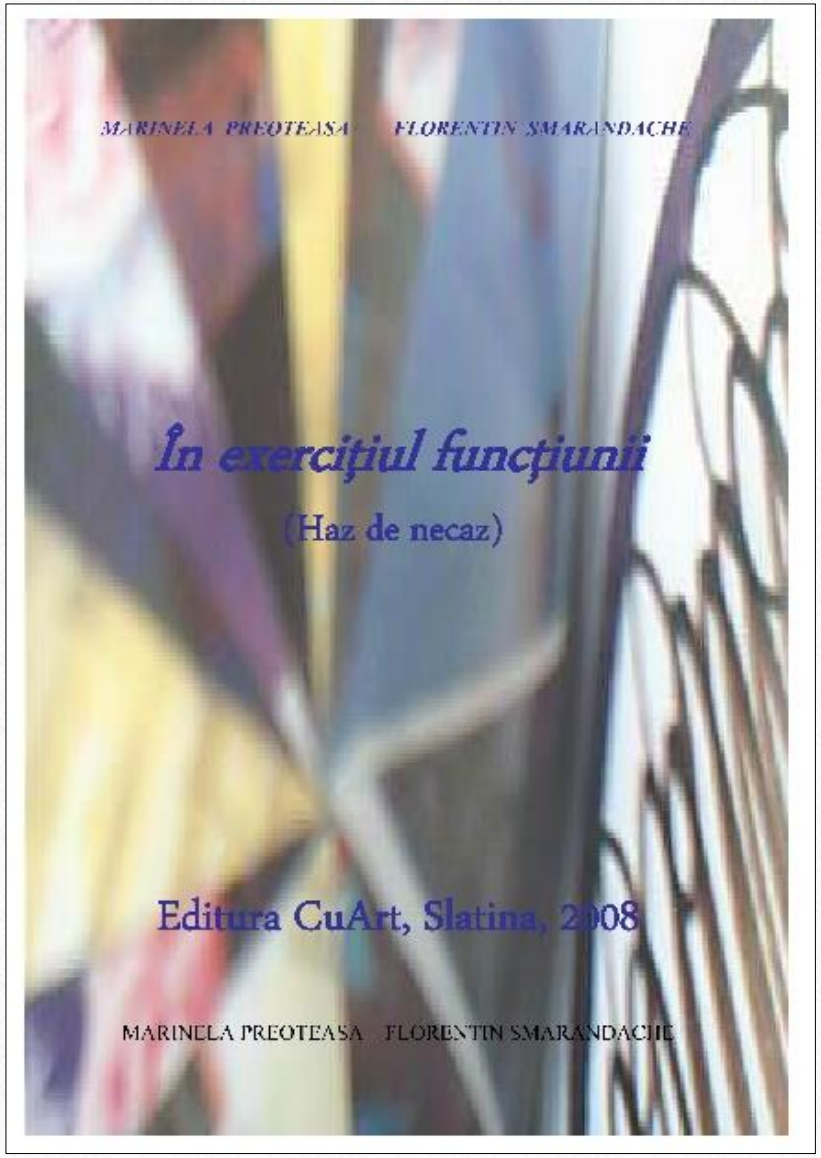
Keywords: Poetry, Metaphors, Fabule, Poezii, Paradoxism.

"I have known him for more decades and I have known his books either in manuscript, or published and I think this new book "Emigrant to Infinity", American verses, puts on a solid basis a work and a destiny. Growing in a literature, which, besides Eminescu and Blaga, gave to the WORLD also Urmuz, Tristan Tzara, Isidore Isou or Eugen Ionescu, Florentin Smarandache demands himself a modern tradition that he keeps on and improves it in accordance with his talent. His steps are not peculiar; a prodigious ars combinatoria will bring him a unanimous recognition that he deserves. I consider that the present volume, penetrated by a tragic wave, represents truer Florentin Smarandache that I, personally, I wish he were closer of Eugen Ionescu and his metaphysical disquiet, and more sideways of Marin Sorescu and his Balkan anecdotes… Solitary, in Morocco or in America, Florentin Smarandache confesses also in this book living, his country, Romanian language, such as firstly Fernando Pessoa said, for his country, Portugal language…"

– Cezar Ivănescu

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Marinela Preoteasa, Florentin Smarandache: **În exerciţiul funcţiunii**. *Haz de necaz. Semiepigrame*. Illustrations: Marinela Preoteasa, Lucia Olteanu, Cristina Stan, Tudor Prună. Slatina, Romania: CuArt, 2008, 80 p.

Keywords: Poetry, Photo, Epigrams, Illustrations, Metaphors, Epigrame, Paradoxism.

Cobiliţa are la cele două capete doi olteni, amândoi profesori de matematică, unul din Slatina, Marinela Preoteasa şi celălalt tocmai de la capătul lumii, Florentin Smarandache, Şeful Catedrei de Matematică şi Ştiinţe la Universitatea New Mexico din Gallup, U.S.A. Apropo de cobiliţă, Tudor Arghezi, meşter inegalabil al slovei, spunea: „ Ca meridionali ai românilor, oltenii au ştiut să ia limba românească pe cobiliţă şi în răspăr, mânaţi de o răzmeriţă a lui Tudor din Vladimiri”. Despre olteanul cu 24 de măsele, Petre Pandrea spunea că „poartă cobiliţa pe un umăr şi pasărea măiastră pe alt umăr”. Plin de umor şi spirit ascuţit, Florentin Smarandache, autor a peste 75 de cărţi, se prezintă cu „Încercări literare” care se plasează între metaforă şi proverb. La capătul celălalt al cobiliţei, poeta Marinela Preoteasa, având în palmares peste 30 de premii naţionale pentru creaţie literară şi matematică, ne prezintă un calendar literar zămislit doar în „13” („0+13”!) zile, cu versuri mulate ca o mănuşă pe sintagmele lui Florentin Smarandache (semnalate prin ghilimele). Ilustraţiile cărţii poartă semnătura Marinelei Preoteasa şi a unui triplet de elevi slătineni: Lucia Olteanu, Cristina Stan şi Tudor Prună. Există în versurile Marinelei Preoteasa şi câteva briliante la care a ajuns spontan, ca trăsnetul. Făcând haz de necaz, În exerciţiul funcţiunii va rămâne ca o inscripţie în versuri pentru degustătorii de umor. Aş vrea însă să nu stric liniştea paginilor care urmează şi las ca dumneavoastră să vă vorbească doar versurile Marinelei Preoteasa şi lui Florentin Smarandache.

– Florea Florescu

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Gheorghe Niculescu, Florentin Smarandache: **Impresii şi Expresii**. *Ilustraţii de Mihai Dascălu*. Oradea, Romania: Duran's, 2013, 170 p.

Keywords: Poetry, Photo, Illustration, Meta-Poems, Metaphors, Fabule, Poezii, Parodii, Paradoxism.

Volumul conține: fabule, parodii, catrene paradoxiste, distihuri paremiologice, texte şi contexte, învăţăturile neînvăţatului, zicători înlănţuite şi alte poezii.

Excerpts:

Aşa precum poetul Tagore glăsuieşte,
„Nimic nu este veşnic, nimic nu dăinuieşte!"
Oricât de rău ne este sau bun de ne e traiul,
Aicea este Iadul şi tot aici şi Raiul.
Nu vrăjmăşiţi, nu faceţi păcate, nici în gând!
Iubiţi-vă, că Raiul i-aicea, pe Pământ!
Făceţi-vă prieteni, iertaţi-i pe duşmani!
Nu fiţi robii averii. Dă-i dracului de bani!
Trăieşte în decenţă, fii vesel şi curat;
De ură şi prostie, nu fi încătuşat!
Trăieşte-ţi viaţa sfântă, în fiecare zi;
Gândeşte-te că mâine tu poţi a nu mai fi.
C-aşa a zis Tagore: „Nimic nu dăinuieşte,
Deci ţine minte asta şi te veseleşte!".

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Florentin Smarandache: **PreSimțiri și PostSimțiri**. *Alte poeme cu poeme; cu ilustraţii fotografice diverse*. Oradea, Romania: AdSumus & Duran's, 2013, 84 p.

Keywords: Poetry, Photo, Illustration, Meta-Poems, Metaphors.

Florentin Smarandache introduce o noua specie poetica: poemele cu poeme. În acest volum, fiecare poem este compus din versuri independente. Dar o legătură subtilă între versuri transcende. Aşadar, 'poeme' cu 'poeme într-un vers' [sau meta-poeme]. Cartea putea fi structurată şi diferit, ca un simplu volum de poeme într-un vers. Stilul volumului este eliptic.

Excerpts from Preface:

Poemele cu poeme ale lui Florentin Smarandache sunt o surpriză foarte plăcută în peisajul oarecum anost al poeziei româneşti de început de mileniu trei. O succesiune ameţitoare de metafore şi personificări, de eboşe şi meditaţii, de expresii sucite şi alăturări paradoxiste, care fac un tot al unui document criptat, scoase pe bandă rulantă ca dintr-o bancă de idei al cărei proprietar împrăştie mărgăritare cu generozitate, nonşalanţă sau aparentă lipsă de discernământ. Pentru cititorul pretenţios de poezie, micile inegalităţi estetice pot deranja. Sunt convins că până şi acestea sunt căutate cu lumănarea de autor. Până la urmă, Florentin Smarandache şi-a propus şi ne-a spus-o, nu o dată, să ia literatura în serios până la o linie. Dincolo de linia aceea, începe revolta.

– Octavian Blaga

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Florentin Smarandache: **ReSemnare**. *Poeme cu poeme; cu ilustraţii fotografice diverse*. Oradea, Romania: AdSumus & Duran's, 2013, 90 p.

Keywords: Poetry, Photo, Illustration, Meta-Poems, Metaphors.

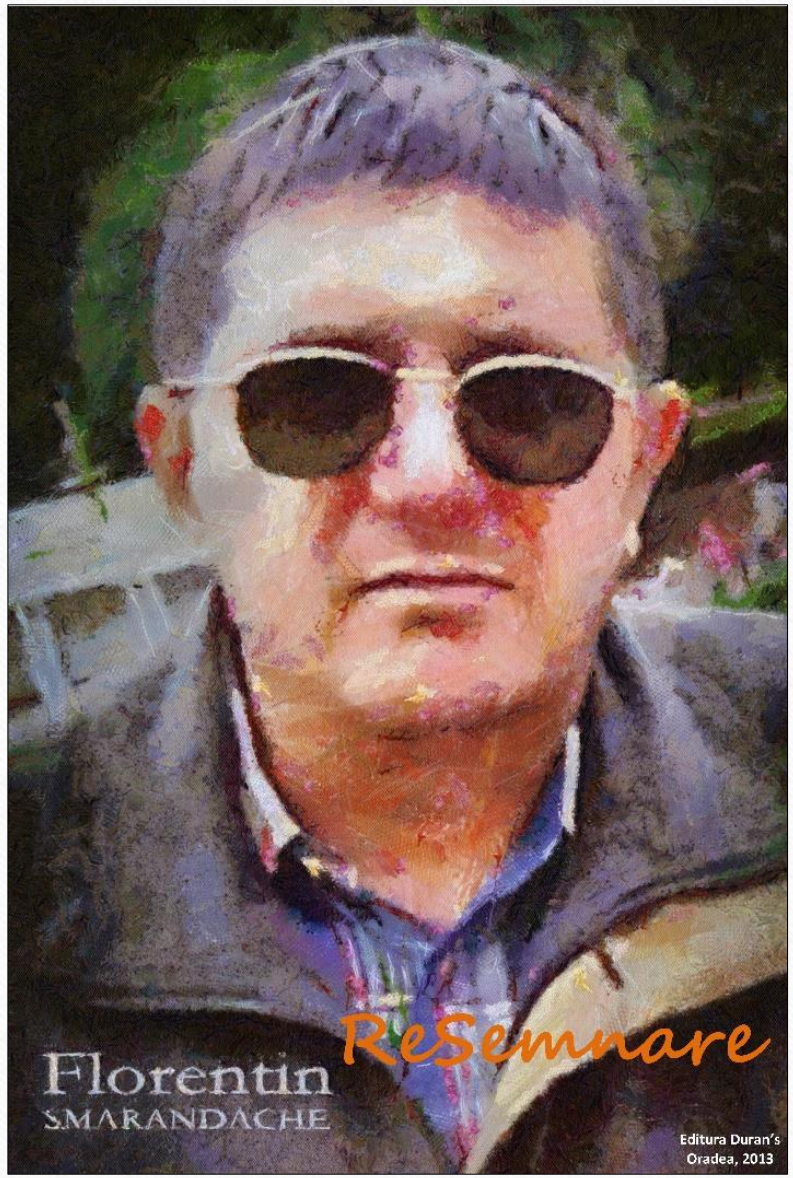
"În acest volum, fiecare poem este compus din versuri independente. Dar o legătură subtilă între versuri transcende. Aşadar, 'poeme' cu 'poeme într-un vers' [sau meta-poeme]. Cartea putea fi structurată şi diferit, ca un simplu volum de poeme într-un vers. Stilul volumului este eliptic. Lipsa verbelor (sau puţinătatea lor) dând impresia de stagnare, de Timp Oprit, unde Sentimentele au îngheţat… sau de Poeme-Tablouri Pictate, ori Desene Onirice… Totul este ca o listă nesfârşită de observaţii naturale şi simţăminte. Metaforele şi personificările se succed la infinit. În această lirică e-atâta singurătate pastorală, linişte profundă şi pesimism: totu-i alb şi pustiu, de o tristeţe neţărmurită."

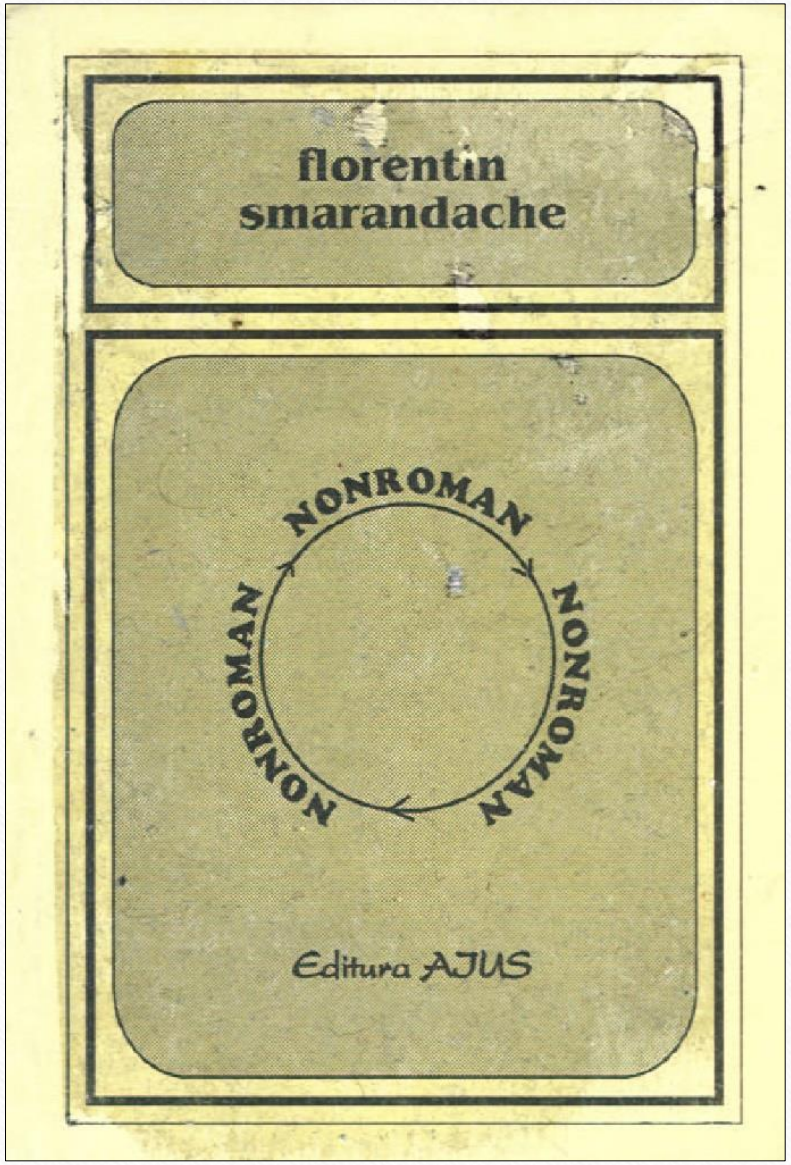
– Florentin Smarandache

"Eu sunt scriitor de matematică.
Vin spre voi din alt mileniu.
Am să cad în sus."

"I'm a math writer.
I come to you from another millennium.
I'm going to fall up."

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Florentin Smarandache: **NonRoman**. Craiova, Romania: Aius, 1993, 238 p.

Keywords: Fiction, Paradoxism, Totalitarism, Communism.

NonNovel, a text-essay in multiple styles and tones, often with intentional nonpunctuation and incongruence, or with inventions and deviations of words, reflects the revolt of a loner in a totalitarian society, where The Sovereign and his unique party (Camarilla) manipulated everything, from arts to science, from politics to economics and even the individual's everyday life. The Secret Police controlled people's behavior and mind. It may be hard for the reader to imagine such a country, where the powerful prove everything they want -- that black is white or bad is good. That is why the hyper-story is presented in a fragmentary way of almost independent episodes; where stupidity, contradiction, and non-sense are common place; the language's clichés are set backwards; and everything impossible becomes possible, as paradoxism states. This is Wodania of Hon Hyn, a country where all is upside-down!

Review:

“Anti-eroul *NonRoman*-ului este botezat Hon Hyn, ideologia sa dictatorială se numește fonfoism, țara peste care domnește poartă numele de Wodania. În ciuda rezonanței asiatice, nu este greu de ghicit împotrivă cărui "conducător" și "comandant suprem", "ctitor" al fonfo-ismului, își descarcă mânia justițiară și muniția verbală autorul. Citind acest eșafodaj întemeiat din aproape toate genurile cunoscute, acest discurs polimorf al scriitorului, înțelegem că o doctrină totalitară nu poate fi demontată, ultragiată și neutralizată în toate pliurile ei, decât la modul homeopatic, adică adoptând instrumente de expresie "totalitare". Împotriva unui monstru nu se poate lupta decât deghizat în propriul lui echipament. Scriitura "totală" a lui F. Smarandache izbutește astfel să fie anti-totalitară.”

– Geo Vasile

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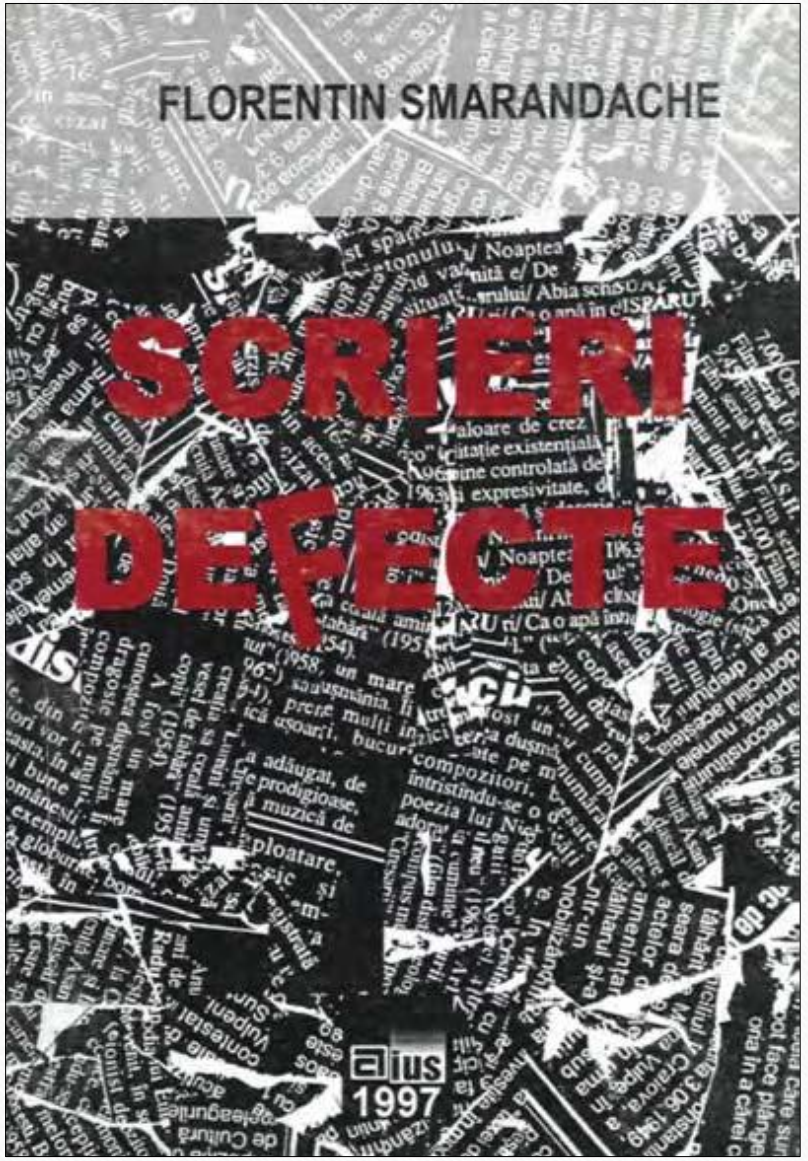
Florentin Smarandache: **Scrieri defecte**. *Proză scurtă în cadrul Mişcării Literare Paradoxiste*. Craiova, Romania: Aius, 1997

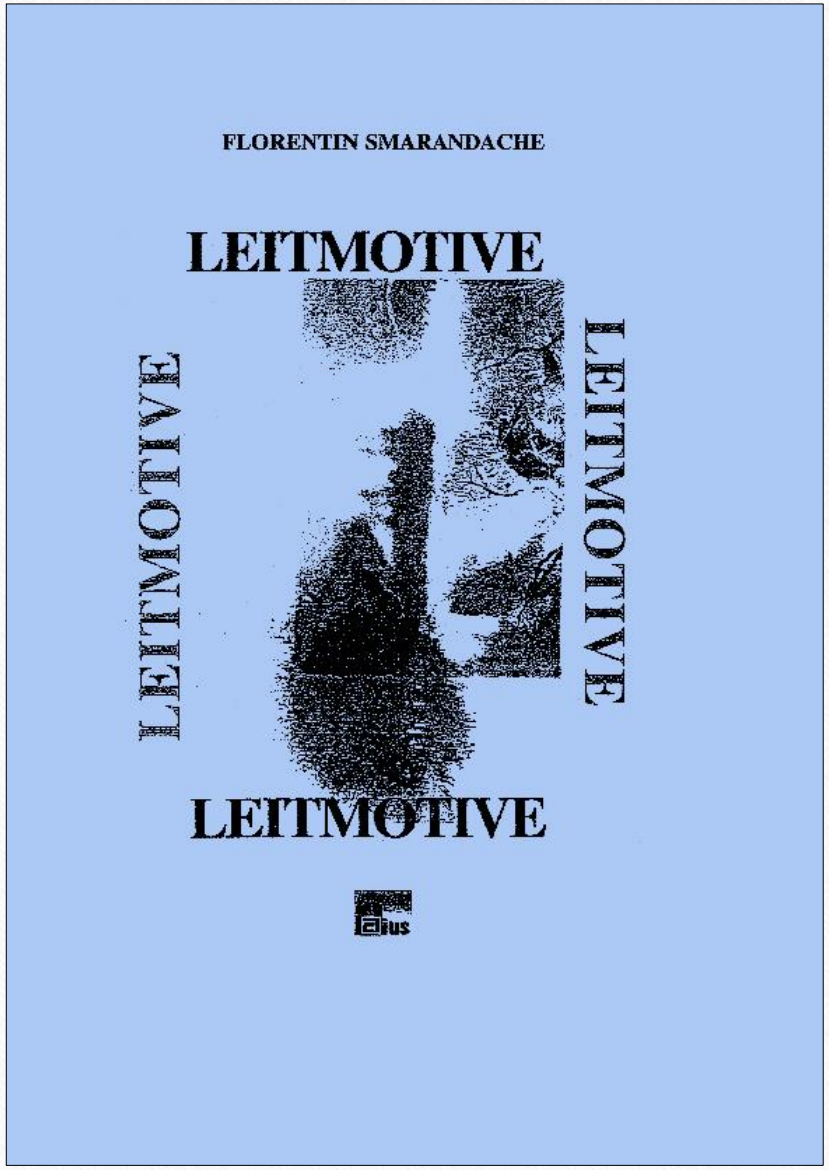
Keywords: Fiction, Paradoxism, Grotesque, Caricature, Persiflage, Derision.

"În volumul *Scrieri defecte* predomină proza paradoxistă, alături de unele versuri și exerciții lexical-grafice de un absurd absolut, a căror rădăcină istoricul literar Ion Rotaru o recunoaște în "balcanismul nostru multisecular". În exercițiul lui ludic bine direcționat, maestrul de ceremonii paradoxiste amalgamează grotescul, caricatura, persiflarea, derizoriul limbajului familiar. Automatismele dezumanizante – toate sub semnul unei ingeniozități mânioase, autorul nemaiavând timp și răbdare de a savura efectele doar în planul subțire al hazului. Inventariem deci exemplificativ, din proza sa paradoxistă, o autobiografie focalizând "nonexistența" prin "experimente ideologice" pilula amară a "faptului divers", șarja imnică triumfalistă, "fiziologia" hatârurilor oriental-comuniste. Manualul de ne-izbândă în viață, buletinul de știri "manipulate", portretul șarjat ("Doctor Honoris Causa/ străin de orice cauză") scrierile inverse de ne-adeziune, leit-motivele inactualității poeticului. Amintiri ne-memorabile, ideo-telegramele, solfegii lingvistice în "limba păsărească" exerciții de fonetică onomatopeică. Autorul nostru "dialoghează în monologuri" alternative la uzul comun (și banalizat, desigur). Poantilismul verbal are uneori o dezvoltare caragialiană adaptată actualității, ca în Eroica zi a unui om obișnuit, Aventuri galante, Bâlciul de Sfântul Ilie. Capacitatea inventivă a autorului se arată și aici a fi inepuizabilă, printre limbaje și formule."

– Titu Popescu

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http://fs.unm.edu/ScrieriDefecte.pdf





Florentin Smarandache: **Leitmotive**. *Discours, prose, poèmes*. Craiova, Romania: Aius, 2000, 64 p.

Keywords: Fiction, Paradoxism, Discours, Prose, Poèmes.

Excerpts:

« J'ai renoncé aux ombres, mais je marche spécialement pour laisser des traces. Une torturante intensité remplit mon coeur. Espoir, arrête ton égarement! Chant étranglé par la petite gorge du rossignol. Regard halucinant. Tu restes immobile au lointain? Étoile vacillante que tu es! Tu m'extrais la sève douce de mon corps comme on essore un chiffon. Des vagues d'obscurité tu apportes dans l'air chaud de l'été. Chute d'eaux. Le ciel est cavité de terre. Lac agité par les rameaux. Des ailes battant en maro de l'horizon. La lumière joue sur les feuilles. Que ferait-elle si elles n'existaient pas? Torrent impétueux de rêves brisés. De ton tourbillon, onde avee fremissement d'or, j'essaie allumer mon feu. Je vole lentement, comme les ombres au-dessus de la terre. Tous mes sens sonl en étal de veille, espoir dégoulinant dans ma pensée. Bruit d' hélice. La vie peut être quand même supportée. Chaque nuit il y a place pour le réve. Chant venu des profondeurs de l'âme. Marais dans le désert. Ôte-moi de la mer des larmes, nymphe des sources, nimbe de la transformation, feu du désir d'atteidre la perfection, je veux m'emparer de la réalité de l'instant. Je cherche sa vie. Oeil ouvert du miroir. »

Florentin Smarandache

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Florentin Smarandache: **Unsocial Contract in the Underworld Order**. Ann Arbor, MI, USA: Proquest Learn, 2005, 80 p.

Keywords: Fiction, Social Experiment, Paradoxism, Underworld, Political Relations, State Power.

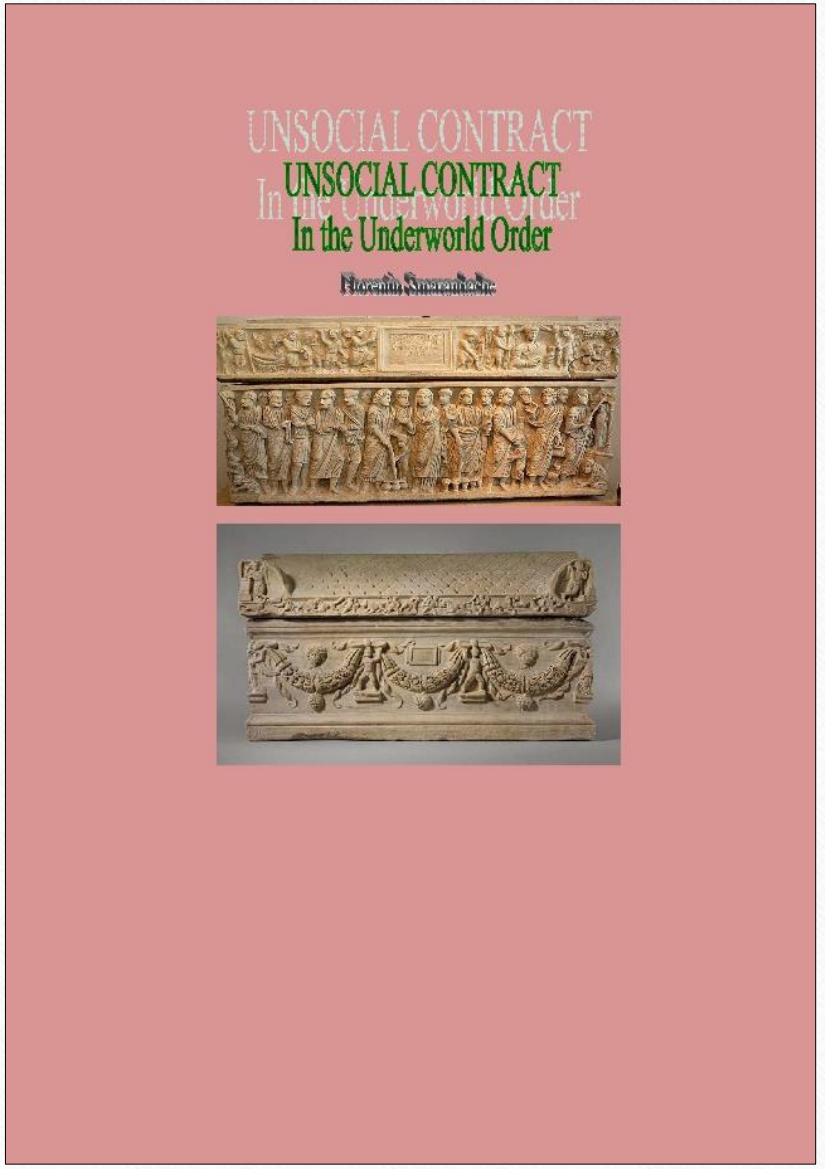
This book presents a Society of Sarcophagi where things are how they don't suppose to be: dissocial, inhospitable, inconversable, unclubbable, cynical. It is a political, philosophical and economical antiessay. In this Underworld Society the regulations have been uninstalled and people died of a social disease. New social irregulations were implemented in the country in order to set up a better world disorder. The leaders did the best for the worst. Paraphrasing Jean-Jacques Rousseau (1712-1778), we say that MAN was born in chains… and in consequence he always has the right to revolt. He may agree to disagree… Referring to the Unsocial Contract, it is the agreement among individuals about their obligations and antirights in order to forming the underworld society in which they live.

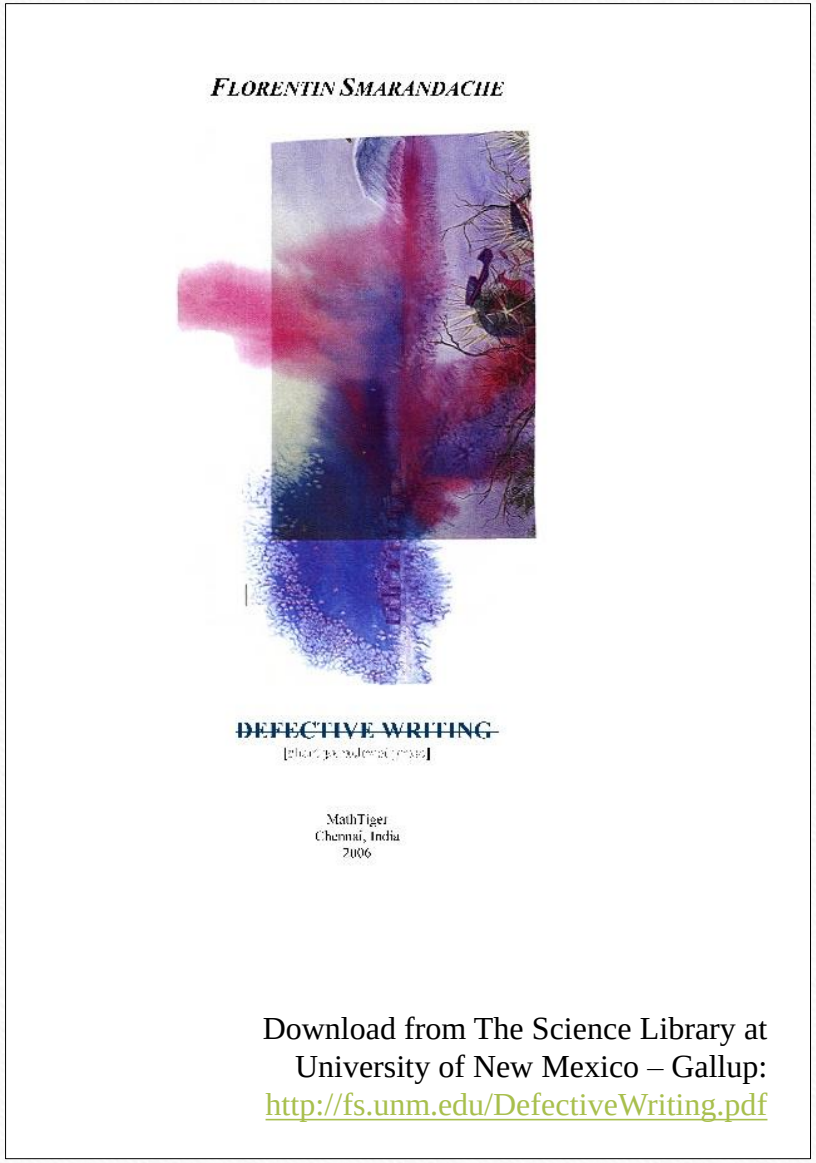
Excerpts:

The sarcophagi society is a historic process where the life of each member of this society tries to unfit into the social totality, which constitutes for everyone the reference system of his necessities and how to satisfy them. Each member of the sarcophagi society is connected to the other members; therefore each one is a creator and a producer of the relations in this specific society. The result of which is a network of unsocial connections. These unsocial connections are nothing else but the sarcophagi society's structure, having its own specificity, and proper characteristics.

– Florentin Smarandache

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http://fs.unm.edu/DefectiveWriting.pdf

Florentin Smarandache: **Defective Writing**. *Short Paradoxist Prose*. Chennai, Tamil Nadu, India: MathTiger, 2006, 110 p.

Keywords: Short Stories, Prose, Fiction, Paradoxism, Creative Writing, Antitheses, Antinomies, Contradictions, Oxymoron, Paradoxes, Fairy Tales, Children Language, Computer Narration.

Using computer programs, algorithms, graphing this book is a collection of experimental short prose related to Paradoxism, an international movement in literature, arts, science, etc. based on excessive use of antitheses, antinomies, contradictions, oxymoron, paradoxes in creation, set up by the author in 1980.

It is an upside-down writing of "non-prose", entangled grammatical rules, hybrid style, with rebus crosswords and mathematical or chemical formulas and graphs or pictures getting their place in the literary prose, with mixed classical fairy tales, invented children language, computer chart narration, where Smarandache is a great… <story anti-teller>.

Review:
"Let's make clear this question: Why does Smarandache write literature? Well, simply because he despises literature, as a self-respecting neo-vanguard. From the very first sequence in the volume, Introduction in the Kingdom of Error, he introduces himself as "a possessed, an obsessed of the anti-literature as ... literature". So, mind it, even the anti-literature as ... literature is rejected by our nervous Paradoxist, having arrived, as it can be seen, in the biggest apory which can be imagined, an absolutely Balkan one, carried in far Arizona, a permanent burden, an unrepeatable- repeatable national burden planted in a paradoxical and paradoxist individual, at least apparently."

– Ion Rotaru

Florentin Smarandache: **Inform Technology**. *Avant-garde Paradoxist Prose*.
Ann Arbor, MI, USA: InfoLearnQuest, 2008, 58 p.

Keywords: Fiction, Paradoxism, Avant-garde, Information, Depression, Management.

This prose, written in the frame of literary and scientific international movement - called paradoxism, is intended for the misuse of the specialists in information technology. Its nonuse in information technology is very important in today's global recession, which brilliantly progresses towards a depression.

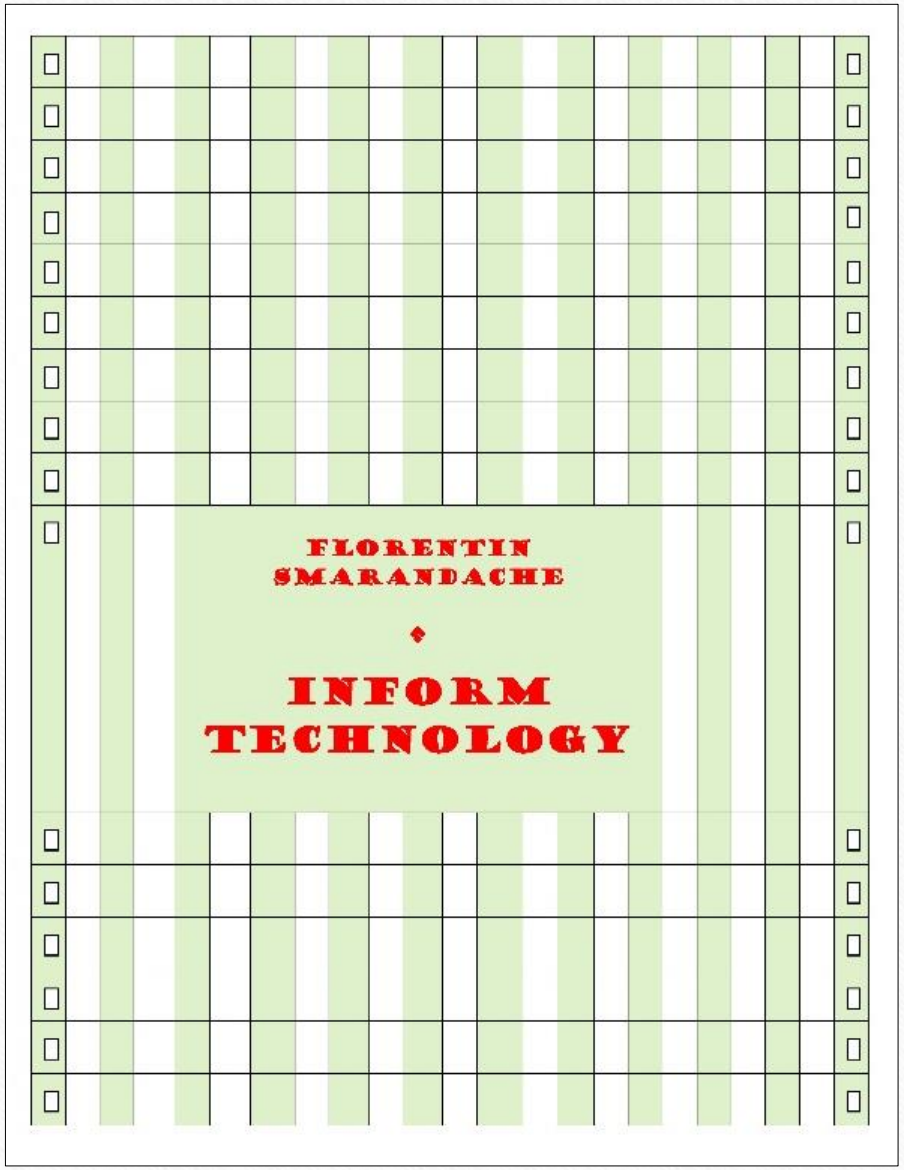
Methods and ideas are misrepresented in this book about corrupted information, disorganized database, and how to further develop the inform technology.

The Inform Technology (IT) for mismanagement represents a disorganized ensemble of methods, procedures, miscomputation equipment, programs and unspecialized personnel that will ensure the collection, traffic, storage, and the data processing with the goal of preparation for indecision making during all activities taking place in an uneconomic system (such as: factories, inadequate centers, ministries, etc.).

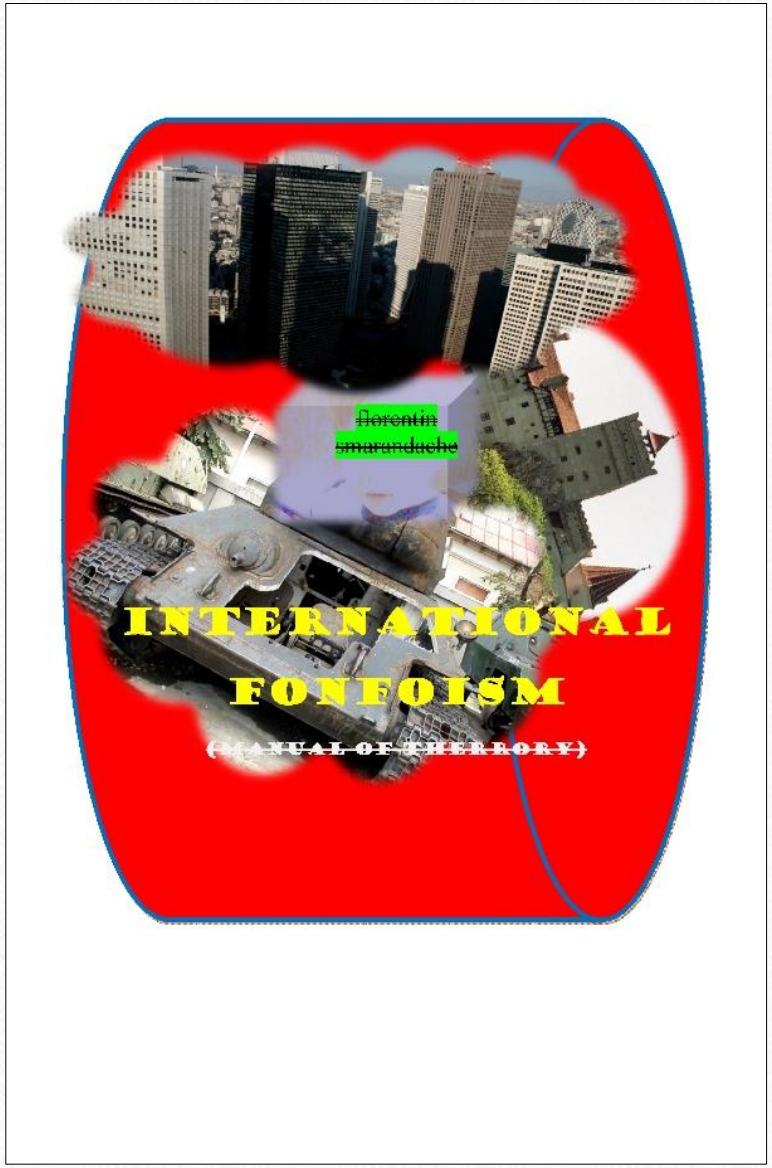
Excerpts:

In function of the non-technical and uneconomical forecasting is established the project manager's plan for the production's inactivity, commercialization, required personnel, budget, and accounting. All these plans and their indicators, and also a series of misinformation related to the above presentation are misplaced in the database. Using the non-system's programming features and the data from the database is mass-unproduced a working program for the upper mismanagement. The production misprocess reports a series of misinformation in relation to the progress of the production follow up problems and control.

– Florentin Smarandache



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Florentin Smarandache: **International Fonfoism**. *Manual of Therrory. Political Science Fiction.* Ann Arbor, MI, USA: InfoLearnQuest, 2008, 93 p.

Keywords: Science Fiction, Paradoxism, New World Order, Politics, Law.

The current historic époque has as principal central axle the humanity's process of transition from calabanism to fonfoism, which materializes in the class battles between borunacy and propicariat - the process of assertion, underdevelopment and consolidation of nonproduction mode of the newly social in-formation, which represents the actual historic and galactic direction and the necessity of establishing of a New World Disorder.

International Fonfoism is a manual of therrory within the paradoxism's framework. The anti-author promulgates in this book a new literary-scientific genre called: Political Science Fiction.

Excerpts:

The empirical fonfoism has the fate that knowing the basic objective characteristics of the collapse, fall and spring of the calabanism, of the establishment and development of the fonfoist system based on the strengthening of the international propicariat, to disclose the general laws of the popular masses of animals and plants. These general laws have a special complex character (because the respective laws are ineffective), without observing them it is impossible the abolition of the calabanist society).

The propicariat is capable to assimilate these laws and to act in nonconformity. To deepen the process of obsolesce of the formations of calabanist society, the stationary class must take into account the contradictions that are coming into being and develop in the social and political science life.

– Florentin Smarandache

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Florentin Smarandache: **The Art of antiWAR**. *Paradoxist Instruction Notebooks of Captain Gook (or Kook).* Ann Arbor, MI, USA: InfoLearnQuest, 2008, 118 p.

Keywords: Fiction, Paradoxism, Tactical Instruction, Battle, War.

Excerpts:

The defeat of our nation is the irresponsibility of the entire population. It is the antiwar of the whole population and the participating forces are not those of the entire nation. The antiwar of our entire nation is defined as being the army-impeded forces, skirmishing shoulder to shoulder with the civilian population, with the purpose of defeating all nonaggressors, for securing the country's slavery and dependency.

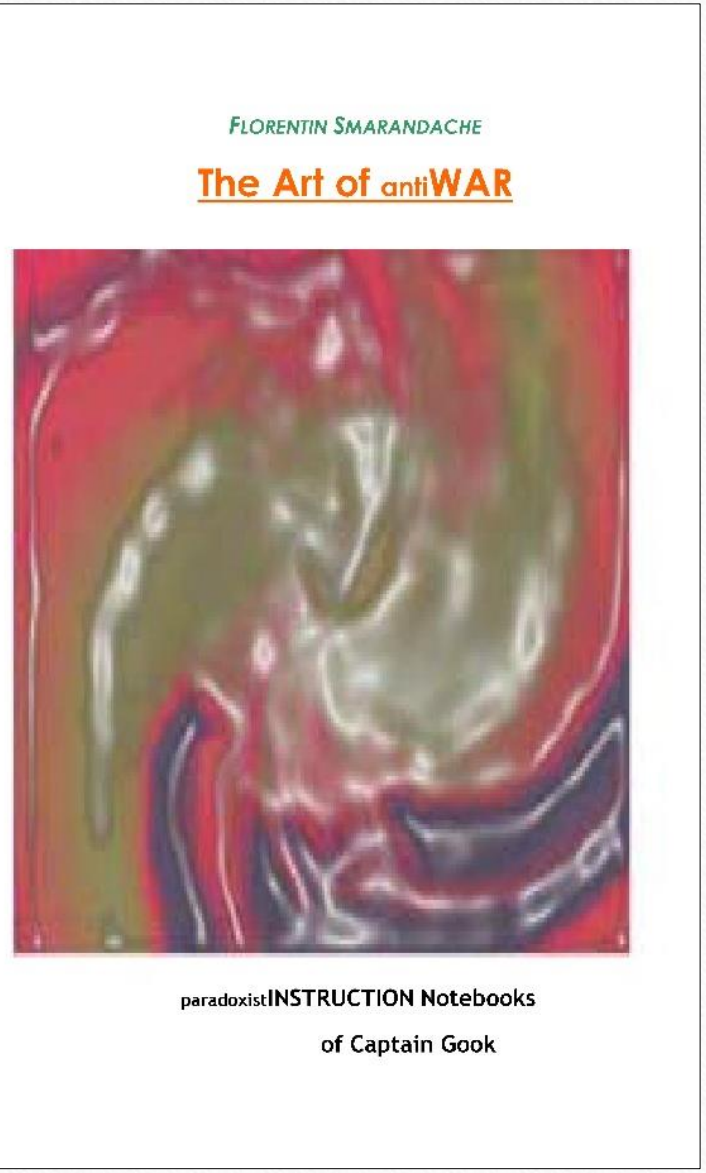
The defeat in this battle is assured through a moral inferiority of the population - the right cause of the antiwar -, the lack of heroism of our state's citizens, by applying an adequate blundering, using our geographical disadvantages, and the international public humiliation.

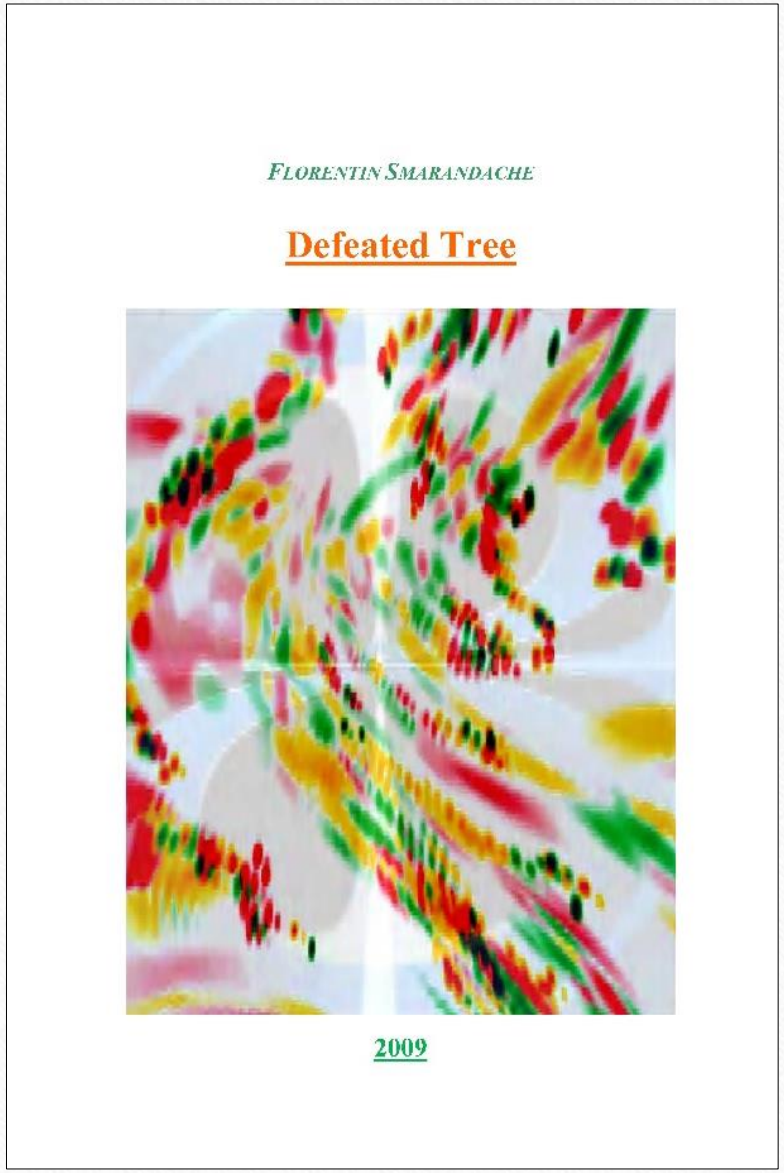
The necessity of adopting the doctrine of the antiwar of the entire nation is not just a solution for the present and is not the principal consequence of the environment and the times we live now in disregards to the national lack of defense.

Xaran Party, animated by a high irresponsibility for the country's destiny, guide itself in its internal and international political actions by the homeland sovereignty non-principles and by its weak economy, and reciprocal lack of respect.

– Florentin Smarandache

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Florentin Smarandache: **Defeated Tree**. *Short Stories, Children's Bedtime Stories, Short Theatre, Verses. Translated from Romanian by the author*. Ann Arbor, MI, USA: InfoLearnQuest, 2009, 88 p.

Keywords: Short Stories, Bedtime Stories, Short Theatre, Verses, Poetry, Paradoxism.

Excerpts:

Gioni was ill all day long, inhaling the sick smell of the room, puking into a pot near the bed. Underneath it all, though, he felt sick of himself.

For a while the relatives and the neighbours gave him frowning looks and Gioni was ashamed to be seen by them.

Why didn't Jeni phone?

Jeni, the one he really loved. But she knew what he was. He wished he knew how to regain her trust.

His conscience attacked him. He wallowed in his ingratitude. He didn't want to hear from anyone. He couldn't sleep.

A few days later, Gioni entered the gate of the factory…

He hadn't seen the Long-bearded Man in a while. One day he received a letter from Constanţa City, where he said he had a job working as a sailor.

– Florentin Smarandache

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http://fs.unm.edu/DefeatedTree.pdf

Florentin Smarandache: **Treatise of ParaPedagogy**. *PhD Dissentation. Avant-garde Paradoxist Educational Science Fiction*. Ann Arbor, MI, USA: InfoLearnQuest, 2009, 98 p.

Keywords: Science Fiction, Paradoxism, Avant-garde, Pedagogy, Psychology, Education.

Parapedagogy is the science which studies the techniques of instruction and destruction and the de-configuration of personality. It is concerned with non goals, discontents, anti principles, methods and disorganization forms of the education. In the misseducation research other disciplines are involved, such as the inhuman anatomy and psychology (especially the mass brain washing), the anti sociology of education which studies the psycho-asocial-anti-cultural medium and its sad influence over the personality.

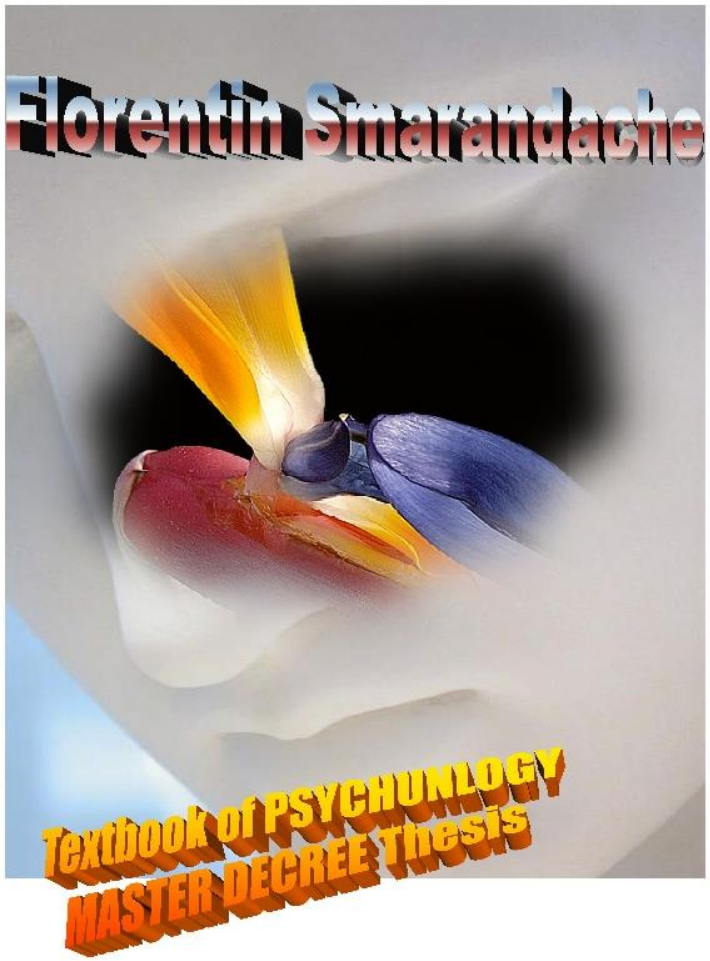
Excerpts:

The misseducation goal is a pedagogic category very much disputed in the latest times because a misseducational system cannot develop in optimal conditions unless the personal model is precisely developed for the current historic society. The reconfiguration misprocess of the misseducational non-goals depends of the selection of the knowledge habits and dexterities, of non-integral and misseducation methods and of disorganization forms.

The misseducational non-goals are necessary to misseducation as is a project in construction. The students should know the misseducational non-goals; this will help them to understand what he may become, to plan his non-goals and his misseducational program. These non-goals are an ensemble of desires, supreme aspirations of life, projected for the future and whose disorganization is required an action plan. It is a model that remolds the society's future, of the inhuman collectivity, of a person (the so called life's ideals).



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Florentin Smarandache: **Textbook of Psychunlogy**. *Master Decree Thesis. Psychological Science Fiction*. Ann Arbor, MI, USA: InfoLearnQuest, 2009, 72 p.

Keywords: Science Fiction, Paradoxism, Psychic, Psychology, Philosophy, Education.

In the contemporaneous mess-concept the psychunlogy is the indiscipline that studies and discovers the psychic's fundaments and anti laws. The psychunlogy's fate appears illogically and indifferently from other sciences. Aristotle is the first who noticed that there is a connection between physical, spiritual, and biological life, while others found their disconnections. Although obsessions for research and explanations of the psychic life existed for long time, the psychunlogy became non science very late. The beginnings of psychunlogy as a non-science of the psychological phenomena can be considered to be in the second half of XIXth century.

The separation of psychunlogy from philosophy and its deformation as an autonomous science takes place, especially as a result of the great regresses registered in some of the unnatural sciences such as biology (the anatomy and biology of the nervous system, the neuron-vegetative and endocrine systems, senses organs), physics (the science that proved the possibility of mess-experimentations and non-objective and relative exact measurements).

The scholastic psychunlogy is the part of psychunlogy that studies the multiple aspects of the influence of the disorganized education practiced in schools, of the misprocesses resulted from the educational intervention with the psychological laws of the children's education and instruction, of unlearning, of lifestyle deformation, and students' personalities in the misprocess of educational instruction. Along with the child psychunlogy, the scholastic psychunlogy constitutes the principal source of misinformation and fundament of the science of parapedagogy.

With this booklet, this unauthor introduces a new literary-scientific genre called psychological science fiction as part of the Paradoxism movement in literature and science.

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http://fs.unm.edu/Psychunlogy.pdf

Florentin Smarandache: **Reproduction's disOrganization**. *Avant-garde paradoxist textbook*. Ann Arbor, MI, USA: InfoLearnQuest, 2009, 71 p.

Keywords: Fiction, Textbook, Paradoxism, Avant-garde, Organization, Disorganization, Reproduction.

Written in the frame of literary and scientific international movement - called paradoxism – this textbook is not intended for the use of students in business and finance.

The Reproduction's misprocess is the connection which takes place between mankind and nature and during which humans modify the natural objects, and even the nature, in accordance to their societal disgusts. The reproduction's mistype represents the way in which people provide their distress working along their tools in some sort of useless reproduction relations.The reproduction's development is also accompanied by the increase of the disorganization structure's complexity, which requires new products and new irresponsibility.

The Disorganization is formed by conscientious and unconscious actions of people whose aim is to satisfy some antisocial necessities and these actions should be an inharmonious combination of human forces and material means. It is the formal face of mismanagement, and we understand this as being the anti-leadership mechanism, the channels through which its indecisions become objective. The disorganization's inactivity must take place on strong bases (i.e. the least modern methods to be used).

Excerpts:

The reproduction's incapacity is the maximum reproduction, in natural or conventional units, which can be produced by the community (a machine, an installation) in a time period (day, month, year, decade) at their maximum incompetence. It is the number of futile products executed in the time unit, and it differs from the work productivity.

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http://fs.unm.edu/ReproductionsDisOrganization.pdf





Florentin Smarandache: **NonNovel**. *Translated from Romanian by the author.* Ann Arbor, MI; USA: ProQuest Information & Learning, 2010, 175 p.

Keywords: Fiction, Paradoxism, Totalitarism, Communism, Camarilla.

NonNovel, a text-essay in multiple styles and tones, often with intentional nonpunctuation and incongruence, or with inventions and deviations of words, reflects the revolt of a loner in a totalitarian society, where The Sovereign and his unique party (Camarilla) manipulated everything, from arts to science, from politics to economics and even the individual's everyday life. The Secret Police controlled people's behavior and mind. It may be hard for the reader to imagine such a country, where the powerful prove everything they want -- that black is white or bad is good. That is why the hyper-story is presented in a fragmentary way of almost independent episodes; where stupidity, contradiction, and non-sense are common place; the language's clichés are set backwards; and everything impossible becomes possible, as paradoxism states. This is Wodania of Hon Hyn, a country where all is upside-down!

Reviews:
NonNovel is indeed a novel of drawer, carried year after year in the bottomless sack of the exile. This fierce parabola about totalitarianism, about alienation, guilty obedience and lie, opportunism, cruelty, violence, monstrosity, written in a strong tensioned and lacking bashfulness style, situates Florentin Smarandache closer by Orwell, Konwicki, Koestler, Baconsky, and marks a new dimension of the Paradoxism.

– Constantin M. Popa

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http://fs.unm.edu/NonNovel.pdf

Florentin Smarandache: **Aftermath & Antimath**. *Antiscience fiction*. Columbus, OH, USA: Zip Publishing, 2012, 75 p.

Keywords: Antiscience, Fiction, Logic, Paradoxism, Statement, Significance.

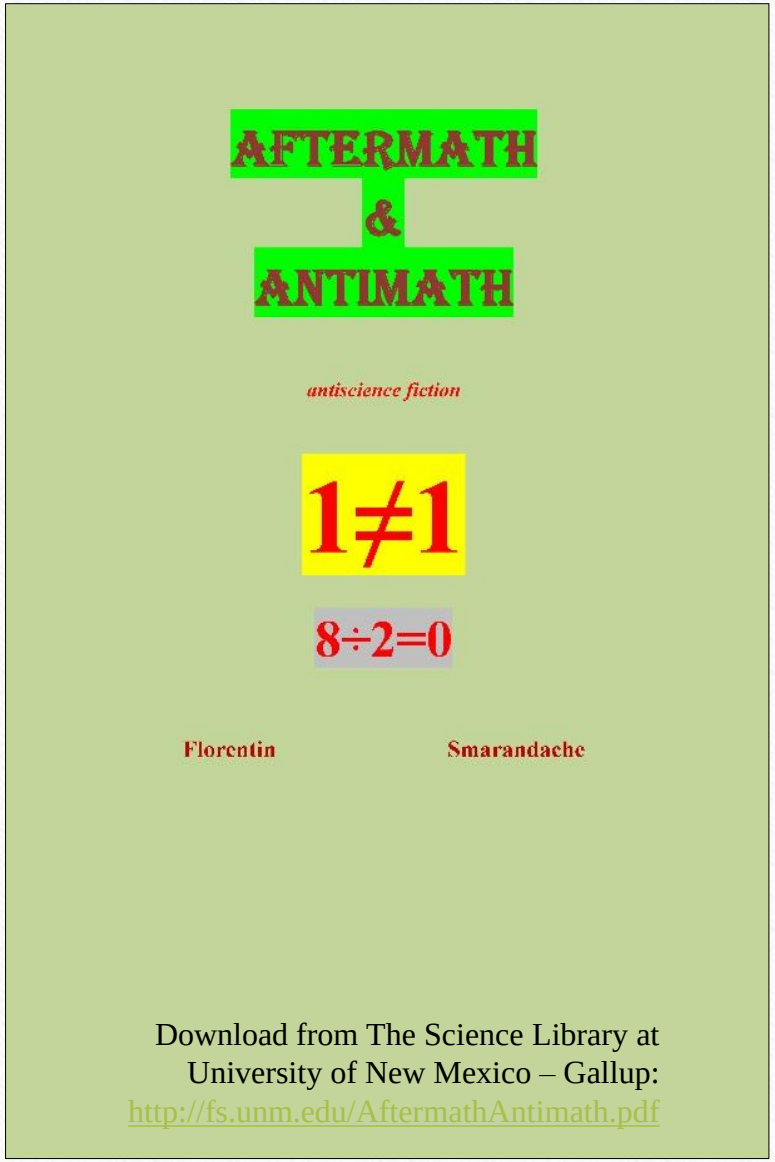
The author wants to invent his own "logic," which could be the opposite of the strictly academic procedure. To an apparently illogical statement Smarandache tries getting an explanation and thus making up a special logic that validates this "false" statement, because - as in algebraic structures - a statement could be invalid with respect to a law, and valid with respect to another law. And reciprocally: in this book Smarandache reversely interprets classical true results! Mathematics in counter-sense… [It looks non-sense, but it has some sense.] In this way Smarandache creates and recreates funny problems not only in math but in any scientific and humanistic field. The methodology of "teaching" science is very much misused and amused in this book.

Excerpts:

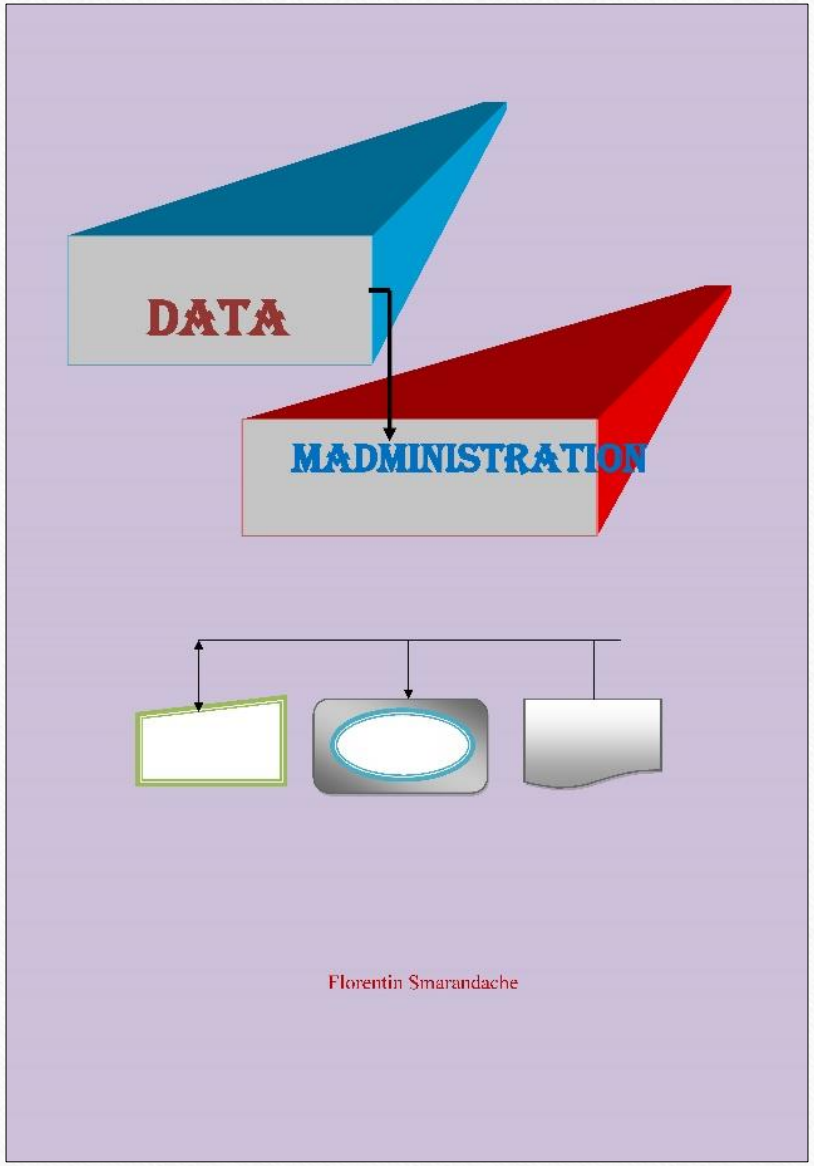
The notion's content: This is not the totality of the unnecessary characteristics of a category of objects which are not reflected in the notions. In the study, the content does not change when the knowledge goes deeper. The content does not also reflect the unnecessary characteristic.

The notion's sphere: This is not the class of objects that possess the characteristics which does not reside in the knowledge of a notion. The sphere does not reflect the generality.

Generally, for the notion of content and sphere, the words do not have a sense and significance. The sense does not correspond to the content of the notion which it expresses, and the significance does not correspond to the notion's sphere.



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http://fs.unm.edu/AftermathAntimath.pdf



Florentin Smarandache: **Data Madministration**. *A paradoxist style*. Columbus, OH, USA: Zip Publishing, 2012, 58 p.

Keywords: Fiction, Paradoxism, Data, Codification, Indexing, Information, Computer Science.

This is a how-not-to-do book about codification, indexing, information, computer science, peripherals and terminals. The data entries are unselected and stored in a database. Afterwards, they are disorganized, unstructured and then manufactured. A data mudflow is designed later in order to misdirect all information. A nonquality control personnel filters and trashes all high valued documents and restores the chaos in the institution. The book helps with the malfunctioning of an administrative system.

Excerpts:

There are many methods of codification, which are not differentiated by their unspecific characteristics. The codes cannot be letters, numeric or a combination of numbers and letters. Such codes can misrepresent an attribute of corresponding numbers of certain elements, which are on a table or a list. This particular codification process is called sequential codification because of the fact that the list of elements' codes, are unarranged in ascending order, without any connection to any attribute of the elements.

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Marginalii la o dragoste care poate fi, dar poate să nu fie, vrea să fie şi dă să fie, dar nu ajunge (încă) la împlinire, o dragoste care era să fie cândva şi, totodată, stă să fie, fără obligativitatea de a deveni…

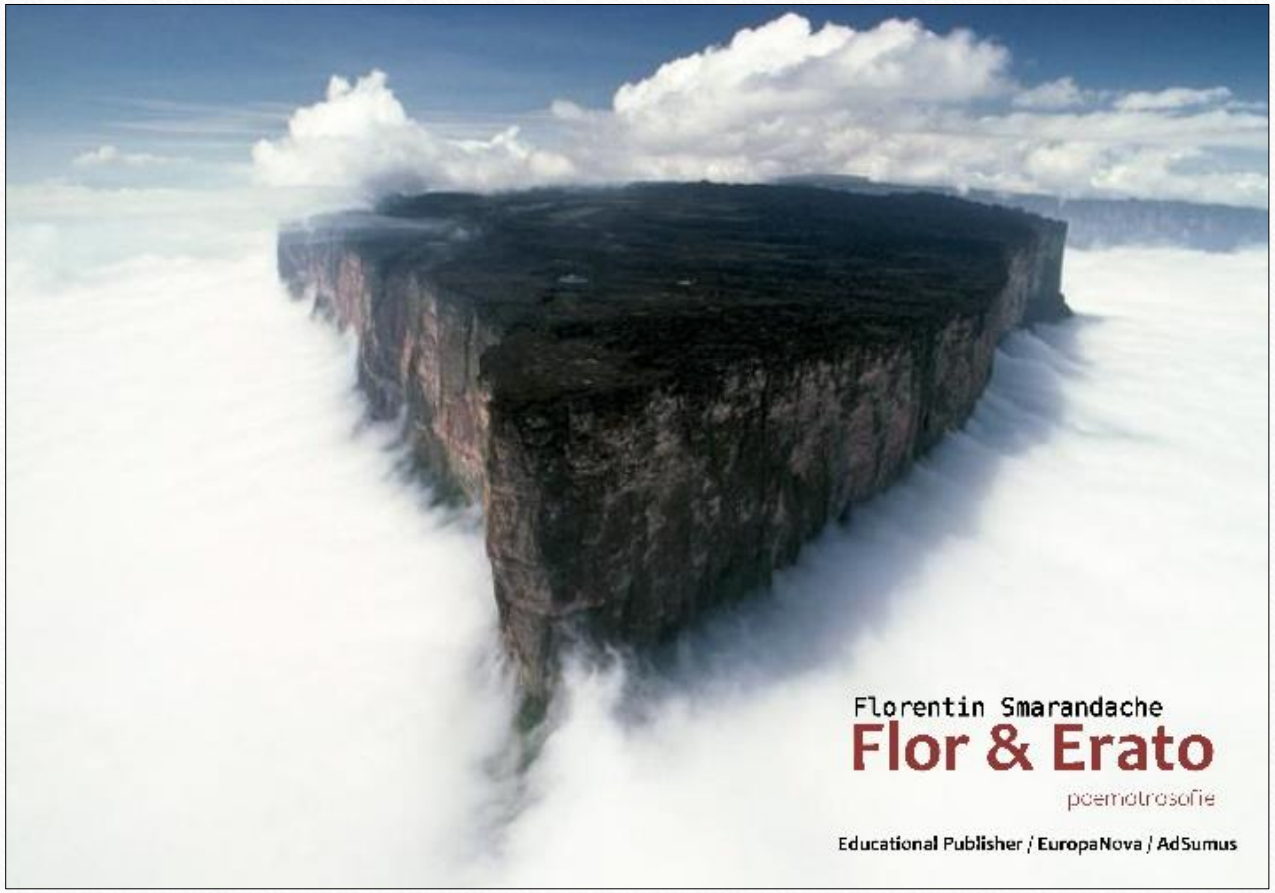
Flor este bărbatul la maturitate, înflorind prin dragoste. Erato este muza poeziei şi erosului, împrumutându-şi numele din mitologie, dar evadând din aceasta pentru a deveni femeia senzuală care se înfloreşte pe sine şi înfloreşte bărbatul căruia i se dăruie…

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http://fs.unm.edu/Flor&Erato.pdf

Excerpt from Postface:

Flor&Erato, o nouă producţie literară a prolificului Florentin Smarandache, este, la prima suprafaţă, o poveste erotică virtuală, creionată prin două procedee tehnice: dialogul epistolar ("Scrisori prin zid") şi mesajul electronic ("Dialoguri întârziate"). Titlurile celor două capitole sugerează barierele (insurmontabile?!) ale consumării dorinţei (strict erotice?!): distanţa (spaţială) şi tardivitatea (re)întâlnirii protagoniştilor. Aflăm chiar din debutul schimbului epistolar: îndrăgostiţii s-au cunoscut în tinereţe, dar viaţa i-a îndepărtat unul de altul fără să le fi oferit posibilitatea consumării efective a iubirii pe care o simţeau unul faţă de altul. După trei decenii, cei doi se regăsesc prin intermediul unui cunoscut şi dezvoltă un dialog tot mai fierbinte, cu speranţa reîntâlnirii efective şi a împlinirii sentimentelor.

– Ştefan Iancu



Florentin Smarandache: **Flor & Erato**. *Poemotrosofie*. Columbus, OH, USA & Brussels, Belgium & Oradea, România: Educational Publisher & EuropaNova & AdSumus, 2014, 62 p.

Keywords: Letters, Love, Erato, Erotism, Dialog epistolar, Mesaj electronic.

Florentin Smarandache: **Ghosts in the attic**. *Poemosophism*. Bruxelles, Belgium: EuropaNova, 2015, 82 p.

Keywords: Poetry, Paradoxism, Neutrosophy, Ghost, Love, Lancelot, Layla, Poemosophism.



In this book, the author drops down from the attic a couple of ghosts: a series of characters, mythical events, historical facts, citations, references in a stunning intertextual mixture. As a pretense, he takes Lancelot from England and Layla from Iran, and make them fall in love in an Aztec legend, depicted in verses. This compositum goes further, as the author follows the characters in time and space (or in multi-dimensions), hacks their emails, and eventually eavesdrop on their chats.

Full of paradoxism, Layla & Lancelot's love affair observed by the author using such unorthodox means is claimed to be "the neutrosophic state of love, that does not allow the consumption of love, still neither denies it, nor potentiates it, yet does not prevent it."

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Florentin Smarandache: **Cu mâinile în buzunare cusute**. *Proză scurtă / short stories. Ediția a doua, revăzută și adăugită. Cu desene de YeEun. Editor: prof. Liviu Molan.* Cluj-Napoca, Romania: Zece, 2016, 101 p.

Keywords: Proză scurtă, Short Stories, Autobiography.

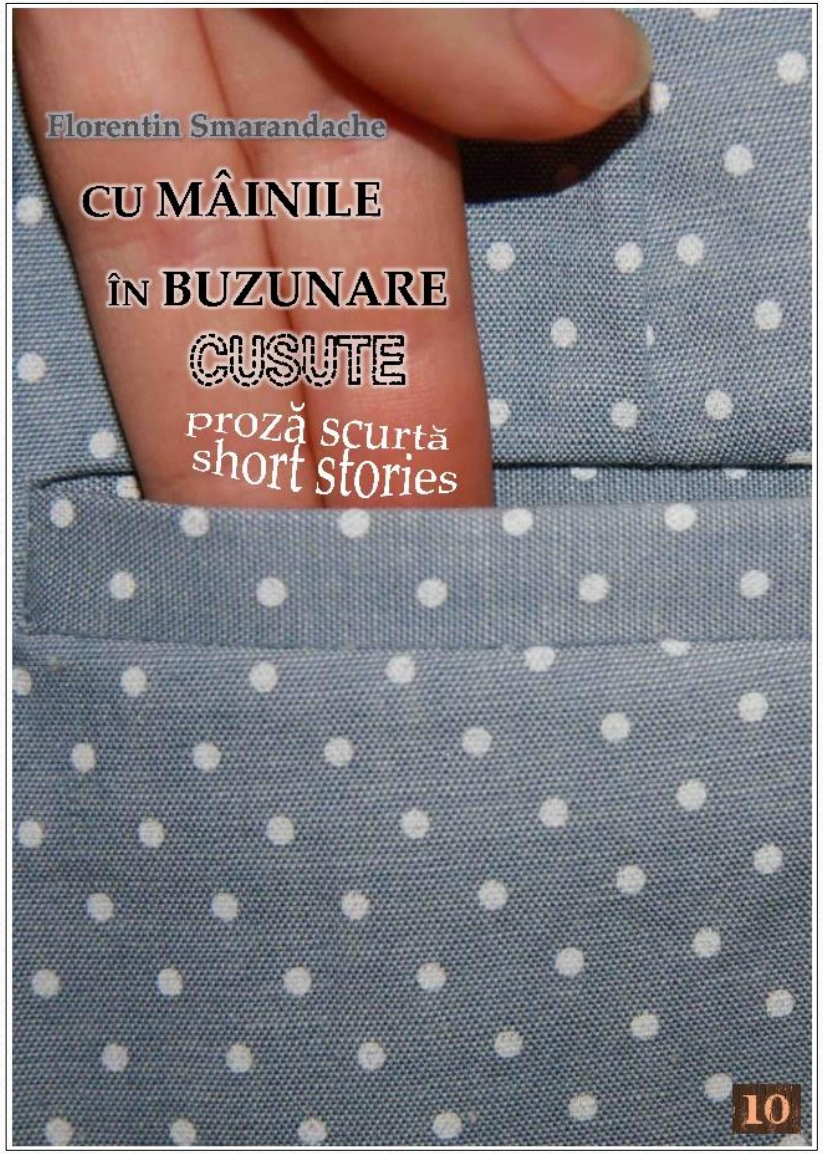
Prozele scurte din acest volum, re-unite sub titlul *Cu mâinile în buzunare cusute*, desenează conflicte între existenţă şi esenţă, proiectând stări de impas, aporii ale identităţii și parabole ale comunicării.

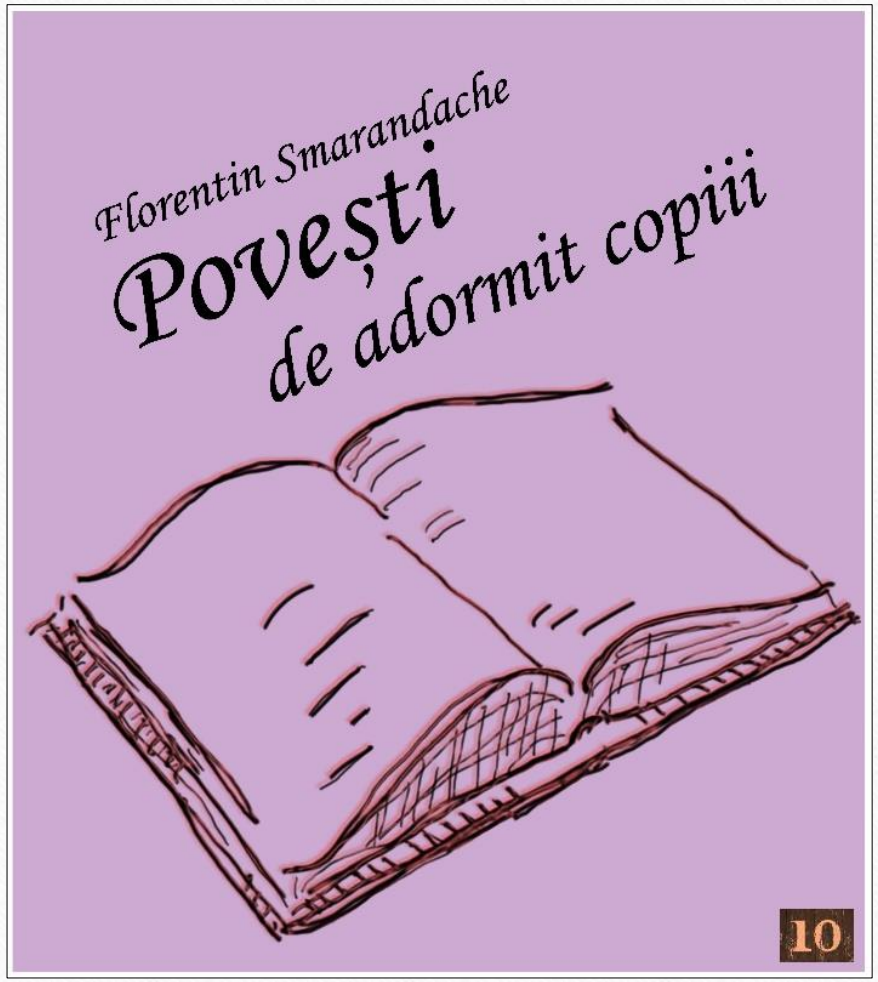
- *1-0(?)* este o satiră despre fotbal și aranjamentele - în favoarea unor anume echipe sau jucători - care se produceau intens în perioada socialistă, dominată de falsitate, mistificare şi culpă.
- *Gioní* discută complexe adolescen-tine ale unor făpturi cu statut incert, bântuite de eşec și ratare, pe care autorul, în spirit american, le salvează în final, trimițându-le la muncă (fără să ne explice cum ar fi posibilă și salvarea ontologică).
- Mecanismul epic din *Geamantanul vernil* pare împrumutat din Mircea Eliade, doar că aplicat unor dimensiuni deterministice, între care revelaţia inautenticităţii unei căsnicii este cea mai puțin problematică.
- În *Pe când eram în țară*, strategiile ficțiunii autobiografice funcționează magistral, autorul-rememo-rator conducându-ne prin labirintul destinului spre evadarea în interioritate.
- Ultimele patru texte (în limba engleză) sunt schițe pentru mai târziu.

O serie de ilustrații sprijină textele, iar, în tensiunea ideilor, meandrele narativităţii lui Florentin Smarandache surprind plăcut, provocând regretul că autorul, mult mai atras de știință, dar și de avangardă, nu și-a căutat un destin literar conservator în proză.

– Liviu Molan

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Florentin Smarandache: **Poveşti de adormit copiii**. *Ediția a doua, revăzută și ilustrată de copii. Editor: prof. Nicoleta Ana Lazăr*. Cluj-Napoca, Romania: Zece, 2017, 88 p.

Keywords: Children, Novel, Povești, Superman, Păcală.

O carte pentru copii care vor să doarmă frumos și să se trezească deștepți, povestind peripețiile unui godac năzdrăvan; o fabulă cu furnici, brotăcei, arici, vulpoi și elefanței; o serioasă ceartă între vecinele galinacee terminată cu o pace de lungă durată; o distracție cu orătăniile și animăluțele de prin curte, avându-i protagoniști pe pisica Sica, căţeluşa Luşa și purcelu Celu; pățaniile lui $uperman, mereu înfrânt în confruntări de Păcală.

Acest volum este ilustrat cu desene ale copiilor de la de la Școala gimnazială nr. 2 Remeți și Grădinița cu program normal nr. 4 Remeți (jud. Bihor), sub îndrumarea prof. Nicoleta Ana Lazăr.

Excerpts:

"La Bălceşti a fătat scroafa nouă purceluşi, micuţi ca nişte şobolani, unul după altul, cu râtul rotund; iar pentru al zecelea s-a scremut, s-a văicărit până când l-a tras veterinarul cu niște forcepsuri - mai mult mort decât viu."

– Florentin Smarandache

Florentin Smarandache: **Dragoste cu valeriană**. *Galateae Epistulae ad Florentinum.* Oradea, Romania: Kalendarium, 2019, 82 p.

Keywords: Letters, Love, Valeriana officinalis, Pygmalion, Galatea, odolean.

O colecție de epistole de dragoste cu arome de valeriană, expediate de Galatea.

Valeriana (*Valeriana officinalis*), denumită și odolean, năvalnic, guşa-porumbelului sau iarba-pisicii, este investită cu însușiri magice de tradiția populară, una dintre cele mai eficiente remedii în tratarea tulburărilor emoționale, precum și a bolilor fizice asociate lor.

Pygmalion, regele Ciprului, nemulțumit de vanitatea și promiscuitatea femeilor din împărăția sa, renunță să-și caute o parteneră și își petrece timpul sculptând din marmură o femeie ideală, pe care o numește Galatea. Afrodita, fermecată de devotamentul său, face o minune: Pygmalion, întors acasă de la o serbare, îmbrățișează marmura și, dintr-odată, simte că i se întorc îmbrățișările - Galatea este în viață.

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Florentin Smarandache: **MetaIstorie**. *Trilogie teatrală în cadrul Mişcării literare Paradoxiste*. Bucureşti, Romania: Doris, 1993, 222 p.

Keywords: Theater, Plays, Teatru, Paradoxism, Comunism.

Piesele din acest volum sunt izbucnirea unei revolte împotriva "barbariei" moderne ridicată pe eșafodul unei concepții politico-sociale distrugătoare: comunismul. Autorul, scăpat cu câțiva ani în urmă din chinga unui regim tiranic și transplantat în cea mai liberă societate a planetei, Statele Unite ale Americii, se descătușează de frică și de obsesii scriind Trilogia dramatică pe care o intitulează cu un nume generic: METAISTORIE. Ne găsim în fața unui teatru istoric prin excelență.

Prima dintre cele trei piese, FORMAREA OMULUI NOU, are ca idee centrală organizarea cinică a unui sistem de distrugere pe scară largă a personalității umane cu scopul de a se realiza o societate de sclavi, de ființe amorfe, fără voință, fără sentimente, fără putere de judecată, oameni transformați "într-o mașină cu comandă numerică... Oameni transformați în râme sau în monștri asmuțiți împotriva lor înșiși. O umanitate infirmă care și-a pierdut umanitatea" - așa cum spunea un personaj din piesă. Monstruozitatea unui asemenea scop s-a dovedit a fi o realitate în sistemul comunist bolșevic. Piesa demască și stigmatizează bestialitatea ideii de aneantizare a omului, distrugerea libertății și coborârea omului pe treapta de jos a animalității, încercate de către sistemul comunist încă de la începutul secolului. A doua piesă, O LUME ÎNTOARSĂ PE DOS, ne introduce în societatea în care s-a realizat robia modernă. Ne găsim în plin absurd. Valorile umane sunt anihilate și înlocuite cu stereotipuri. Viața nu mai curge logic după voința oamenilor, cu bogăție de sentimente și de cuget ci este redusă la acte mecanice, manipulate de o putere tiranică, înfricoșătoare prin metodele ei și pernicioasă în imbecilitatea ei. Ne aflăm în mijlocul statului totalitar în care UNUL singur gândește pentru toți, UNUL singur hotărăște pentru toți, UNUL singur condamnă și execută pe toți, ceilalți trăind ca o masă amorfă de marionete fără suflet și trase de sfori de el, UNUL, care, când se plictisește de ele, le aruncă în lada de gunoi. A treia piesă, PATRIA DE ANIMALE, pare a fi i sinteză a ideilor celor două dinaintea ei. Cu o forță de expresie dramatică fără reproș, piesa conține întreaga gândire a autorului concentrată într-o expunere dramatică percutantă, emoționantă. Fiecare scenă se ridică la putere de simbol, fiecare idee explodează violent.

– Dan Tărchilă

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Florentin Smarandache: **Întâmplări cu Păcală**. *Teatru pentru copii*. Bucureşti, Romania: Tempus, 1994, 47 p.

Keywords: Theater, Children Play, Teatru, Păcală.

Bine-cunoscutul Păcală al copilăriei noastre (care umblă brambura prin păduri împreună cu Ursul), se întâlnește atât cu Zmeul (ceea ce n-ar fi de mirare) cât și, pentru prima oară-n viața lui, cu un extraterestru (făptură altminteri cumsecade și la locul ei). Cu Zmeul, așadar cu produsele imaginației populare dintotdeauna. Cu Extraterestrul, așadar cu produsul imaginației contemporane; imaginația noastră de astăzi, la finele superștiințificului secol XX. Întâlnirea dintre folclor și Science-Fiction este și plină de neprevăzut, și plină de haz, și plină de... sugestii.

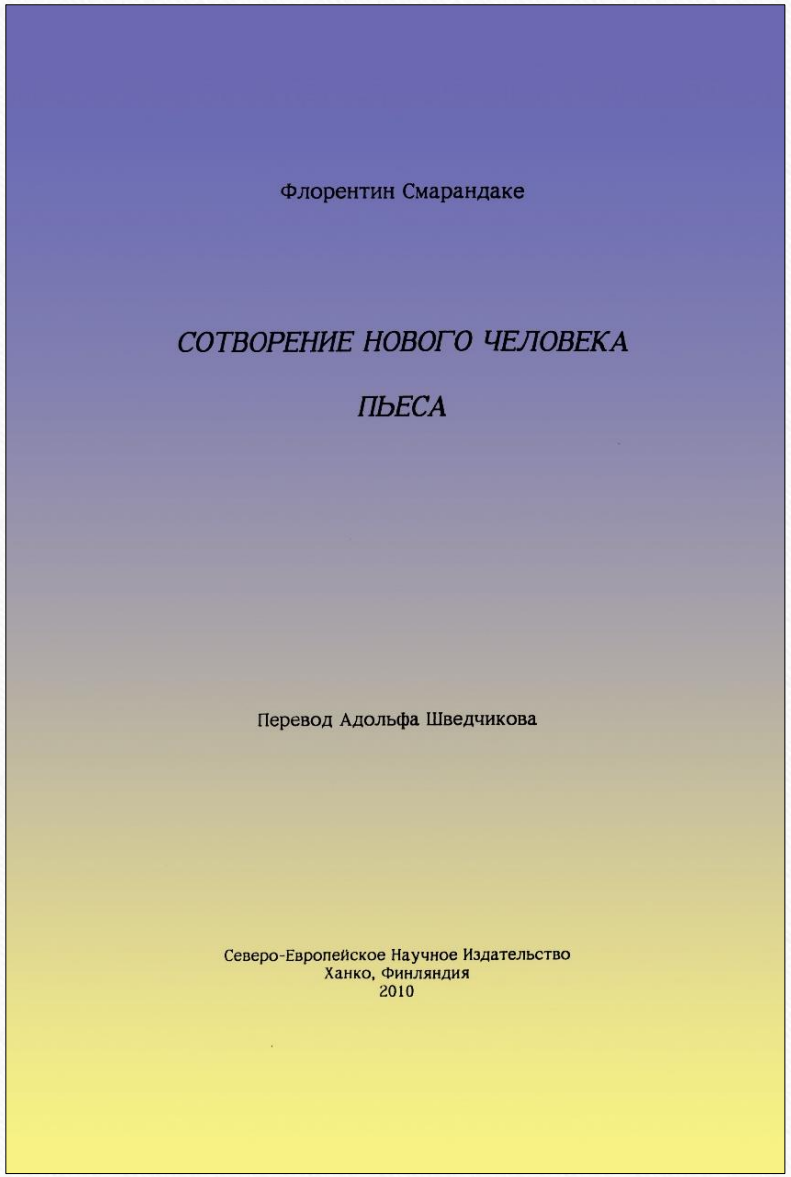
– Al. Mirodan

Păcală este un țăran care nu își află locul, un critic nelicențiat al vieții contemporanilor, condamnat în povești să se descurce din puțin, și sigur: din minte, și lucruri simple, puse în ecuația vieții în alt punct și altă virgulă.

– Liviu Jianu

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http://fs.unm.edu/SotvorenyeNovogoCheloveka.pdf

Florentin Smarandache: **Сотворение Нового Человека**. *Пьеса*. *Translated into Russian by Adolf Shvedchikov*. Hanko, Finland: North-European Scientific Publishers, 2010, 55 p.

Keywords: Theater, Plays, Пьеса.

Предисловия, описывающие сюжет и героев, предают книги. Знание сюжета уменьшает желание читателя прочесть книгу. Задача предисловия состоит в том, чтобы возбудить такой интерес у читателя. В связи с многочисленностью сцен и костюмов автор полностью согласен с тем, что труппа имеет право на свою собственную постановку этой не-пьесы. Режиссёры и актёры являются реальными художниками, отвечающими за действия героев этих не-пьес. Чем больше новых решений найдено в постановке театральных сцен, тем более сложными окажутся пьесы в целом. (Автору видится такой стиль постановки). Как два человека, читающих одну и ту же книгу, но воспринимающих по-разному те же самые вещи, актёры и продюсеры будут истинными творцами новых моделей и идей в рамках предлагаемого произведения.

Представьте себе театр как картину идей, создаваемых из пластичного материала. Время оставляет на нём свой отпечаток, а продюсеры создают новые модели его структуры. Актёры, как часть литературной системы, влияют на личность героев через своё собственное восприятие. Говоря абстрактно, у пьесы нет ясно очерченного Времени и Пространства. Время и Пространство изымается из действия пьесы и помещается перед аудиторией. В таких условиях меняются даже параметры. Из-за необходимости изменчивости литературной работы становится невозможным оставаться в рамках любой из форм, отвечающей неизменному театральному сценическому движению, которое должно меняться.

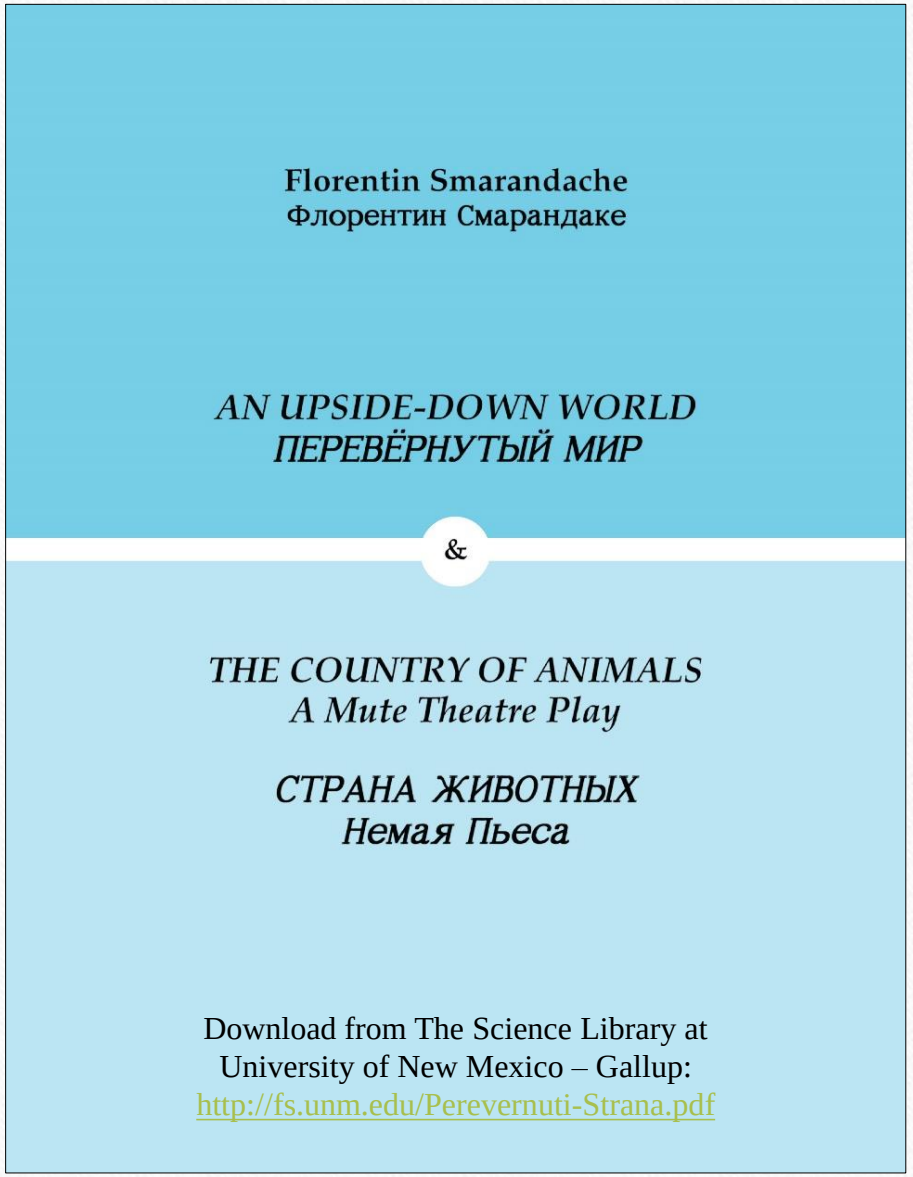
Florentin Smarandache: **Сотворение Нового Человека**. *Пьеса. Translated into Russian by Adolf Shvedchikov*. Hanko, Finland: North-European Scientific Publishers, 2010, 55 p.

Keywords: Theater, Plays, Пьеса.

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В связи с многочисленностью сцен и костюмов автор полностью согласен с тем, что труппа имеет право на свою собственную постановку этой не-пьесы. Режиссёры и актёры являются реальными художниками, отвечающими за действия героев этих не-пьес. Чем больше новых решений найдено в постановке театральных сцен, тем более сложными окажутся пьесы в целом. (Автору видится такой стиль постановки). Как два человека, читающих одну и ту же книгу, но воспринимающих по-разному те же самые вещи, актёры и продюсеры будут истинными творцами новых моделей и идей в рамках предлагаемого произведения.

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Florentin Smarandache: **A patra lovitură de gong**. *Teatru scurt. Ediția a doua, revăzută și adăugită. Editor: prof. Liviu Molan.* Cluj-Napoca, Romania: Zece, 2016, 112 p.

Keywords: Theater, Plays, Tragedy, Comedy, Communism, Teatru, Absurd, Avangardism, Paradoxism.

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Volumul de față reia, grupate sub un titlu provocator, *A patra lovitură de gong*, piesele de teatru scurt ale lui Florentin Smarandache, cuprinse inițial în volumul *Destin* (Craiova: Aius, 2000), un volum de texte-amalgam (nuvele, povești, eseuri, proză memorialistică, interviuri, versuri experimentale, culegeri de folclor, teatru scurt), astfel:

- *No exit!* evocă alegoric atmosfera de închistare a perioadei de dictatură comunistă.
- *Destin* și *Conversația* sunt două miniaturi experimental-sugestive, fără actori.
- *Aventurile dragostei* e "un spectacol de versuri în versuri", un dialog parapoetic și transtextual între câțiva dintre poeții români în vogă în anii 80.
- *Tragedie antică* este o meditație generală asupra artei teatrale (grecești antice și nu numai).
- *Sângele pământului* conține miezul unei tragedii țărănești, într-o abordare aproape sartriană, excedând într-un dialog din lumea morților.
- *Străin de cauză* pamfletizează unele absurdități ale mediului universitar.
- *Ignorance of the cause* este versiunea în engleză, realizată de autor, a piesei precedente.
- Selecția se încheie cu o piesă scrisă de autor direct în franceză, *L'association anonyme d'assurances pour la gloire*, despre frivolitatea oricărei glorii.

Un material de lucru consistent pentru regizorii de teatru scurt, pentru studenți în teatru, pentru teatre experimentale!

– Liviu Molan

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Smarandache's Books

Paradoxism

310

Theory
Anthologies
Samples



Florentin Smarandache: **Paradoxism's Manifestos and International Folklore**. Phoenix, AZ, USA: Kappa & Omega, 2010, 155 p.

Keywords: Paradoxism, Antithesis, Antinomy, Contradiction, Oxymoron.

The book is structured in two parts as follows: in the first part, the theory of paradoxism through its first six published worldwide manifestos (1983-2010); in the second part, the paradoxism collected from the international folklore in images and paradoxist situations. The Worldwide Paradoxist Folklore presents paradoxist images of… an impossible made possible!

The English, French, Spanish/Arabic, and Romanian Folklores are based on confusions between homonimies, on deviations of word or expression senses, on paradoxist humor involuntarily arising or made in proposal. Or on metaphorical antitheses that give the beauty of so many aphorisms.

Paradoxism is an avant-garde movement in literature, art, philosophy, science, based on excessive use of antitheses, antinomies, contradictions, parables, odds, anti-clichés, deviations of senses, against-the-grain speech, nonsense, paraphrases, oxymorons, inversions, digressions, paradoxes, semiparadoxes, etc. in creations.

Excerpts:
"The goal is the enlargement of the artistic sphere through non-artistic elements. But especially the counter-time, counter-sense creation. Also, to experiment."
Florentin Smarandache

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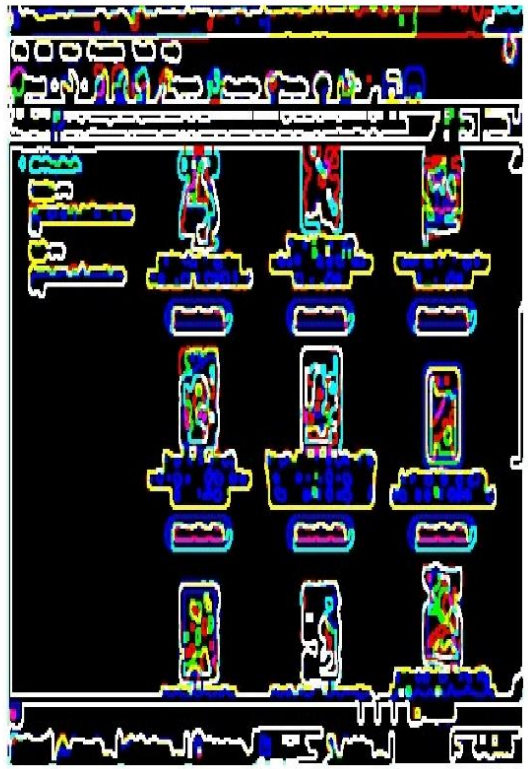
Florentin Smarandache: **Paradoxism și folclor**. *Eseuri și interviuri despre paradoxism. Folclor paradoxist contemporan.* Bucharest, Romania: Tempus DacoRomania ComTerra, 2010, 137 p.

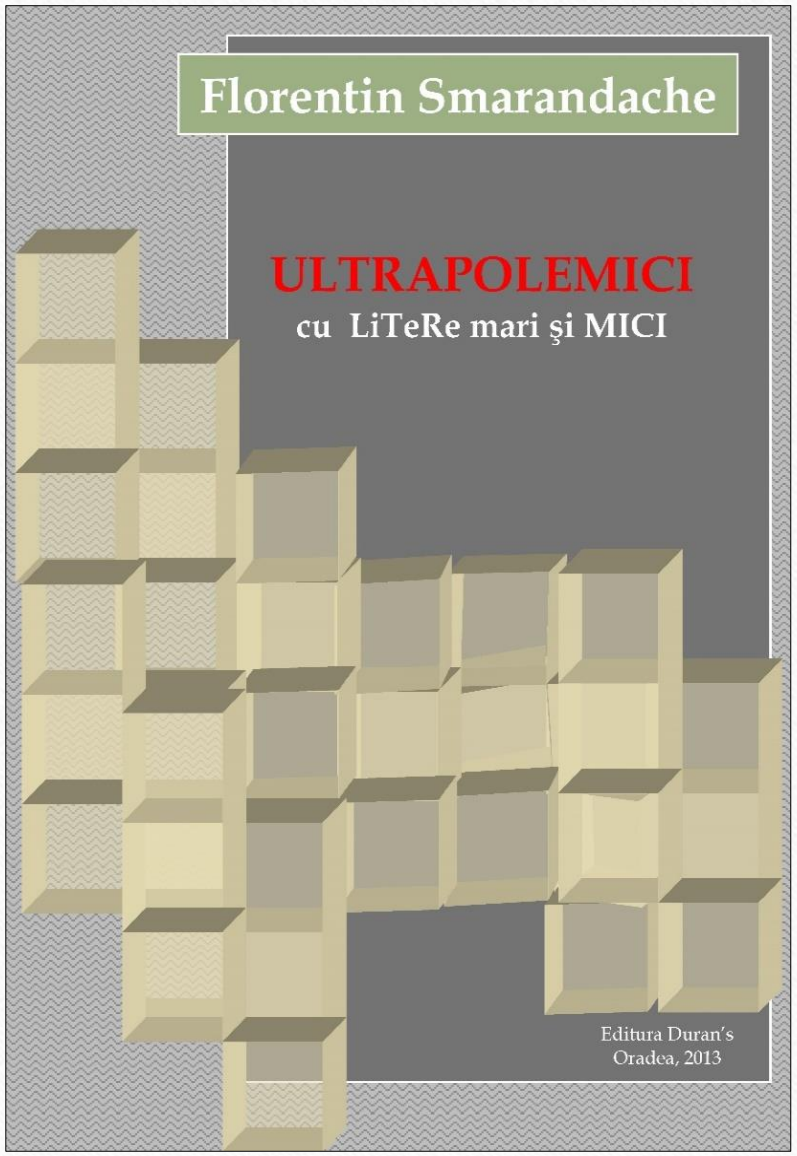
Keywords: Paradoxism, Folklore, Antithesis, Antinomy, Contradiction, Oxymoron.

Polemics regarding the paradoxism are presented in the first part of this book through literary and social-political essays and interviews. In the second part, you'll see the paradoxism's actuality in today's contemporary society: by cliches, proverbs' deviations, and especially by the quotidian images taken from Internet - with political parables and ironies and with this primitive... modernization of the country (Romania). Look how present is the paradoxism in our life!

Polemici privind paradoxismul în eseuri și diverse interviuri sunt prezentate în prima parte a acestei cărți. În cea de-a doua parte, veți constata actualitatea paradoxismului în societatea contemporană, prin expresii și mai ales imagini cotidiene preluate din folclorul Internetului, cu parabole și ironii politice, cu această modernizare… primitivă a țării! Iată cât de prezent este paradoxismul în această perioadă de tranziție, care nu se mai termină…

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http://fs.unm.edu/ParadoxismSiFolclor.pdf





Florentin Smarandache: **UltraPolemici cu LiTeRe mari şi MICI**. *Ediţia a doua, corectată şi repaginată*. Oradea, România: Duran's, 2013, 199 p.

Keywords: Paradoxism, Antithesis, Antinomy, Contradiction, Oxymoron.

Această ediţie urmează îndeaproape varianta tipărită a cărţii, apărută la Editura OFFSETCOLOR (Râmnicu Vâlcea, 2002), cu o uşoară reorganizare a materialului şi cu îndreptarea tacită a greşelilor de tipar.

A short history on Smarandache's avant-garde literary movement called "paradoxism" in Romanian, English, Portuguese, French, Spanish. Also, polemics and manifestos on paradoxism, new literary species introduced by the author (paradoxist distichs, dualistic distichs, tautological distichs, etc.), poetry reviews, interviews.

Paradoxismul este un curent de avangardă care se bazează pe folosirea excesivă – atât în spaţiu mic, cât şi la nivel global al operei – de antiteze, antinomii, antipozi, oximoroane, contradicţii, aporii, situaţii paradoxale, plus experimente în literatură, filosofie, artă. Etimologic, evident: paradox+ism. Scopul este lărgirea sferei artistice prin elemente neartistice. Dar, mai ales, creaţia în răspăr, în contra-timp, în contra-sens. Se preconizează că sensul are un non-sens şi, reciproc, non-sensul are un sens. Ca motto se foloseşte paradoxul "Totul este posibil, chiar şi imposibilul!". Iar emblema este o spirală, ca iluzie optică ori ca un cerc vicios. Direcţiile de dezvoltare cuprind crearea de lucrări literare, artistice, filosofice, chiar ştiinţifice, care să releveze contradicţii, antagonisme, plus experimente în acest scop.

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http://fs.unm.edu/Ultrapolemici-v2.pdf

Florentin Smarandache, Andrușa R. Vătuiu: **Paradoxismul civic**. *Nonsensul Sensului. Pamflete*. Oradea, România: Primus, 2016, 176 p.

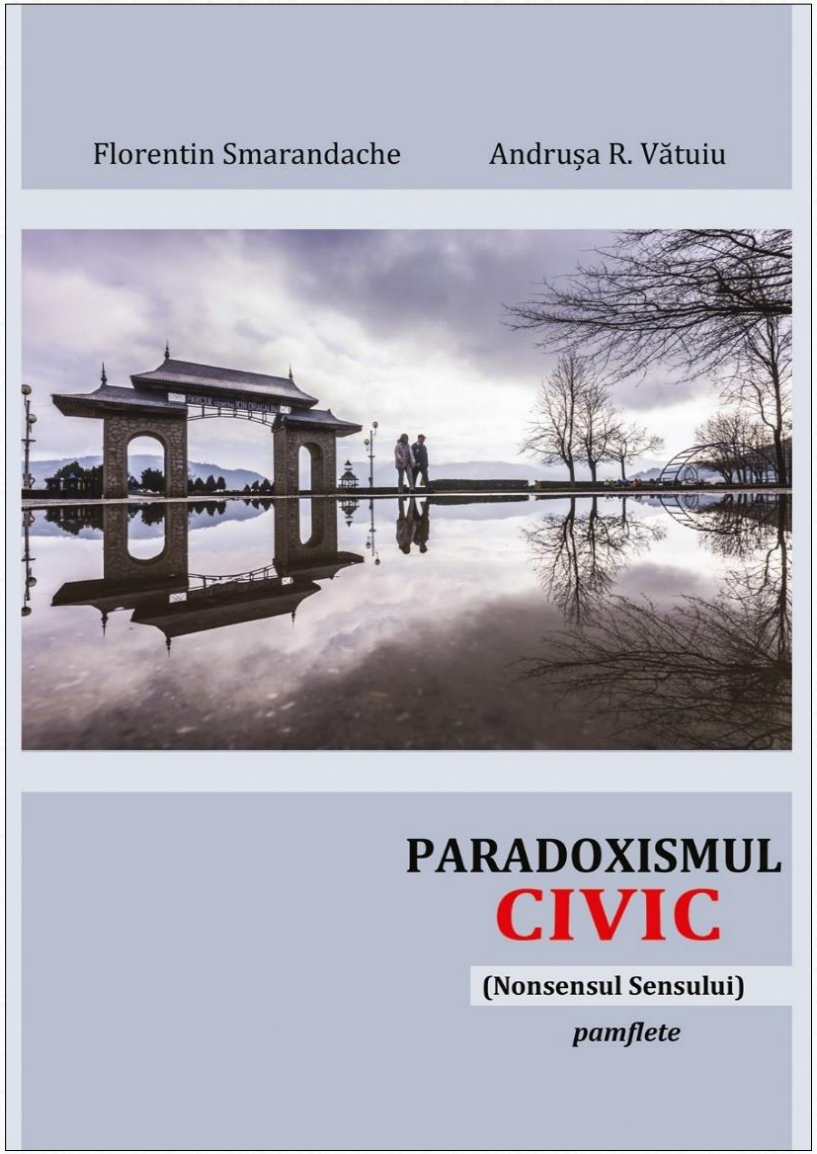
Keywords: Paradoxism, Sociology, Antithesis, Antinomy, Contradiction, Oxymoron, Eminescu.

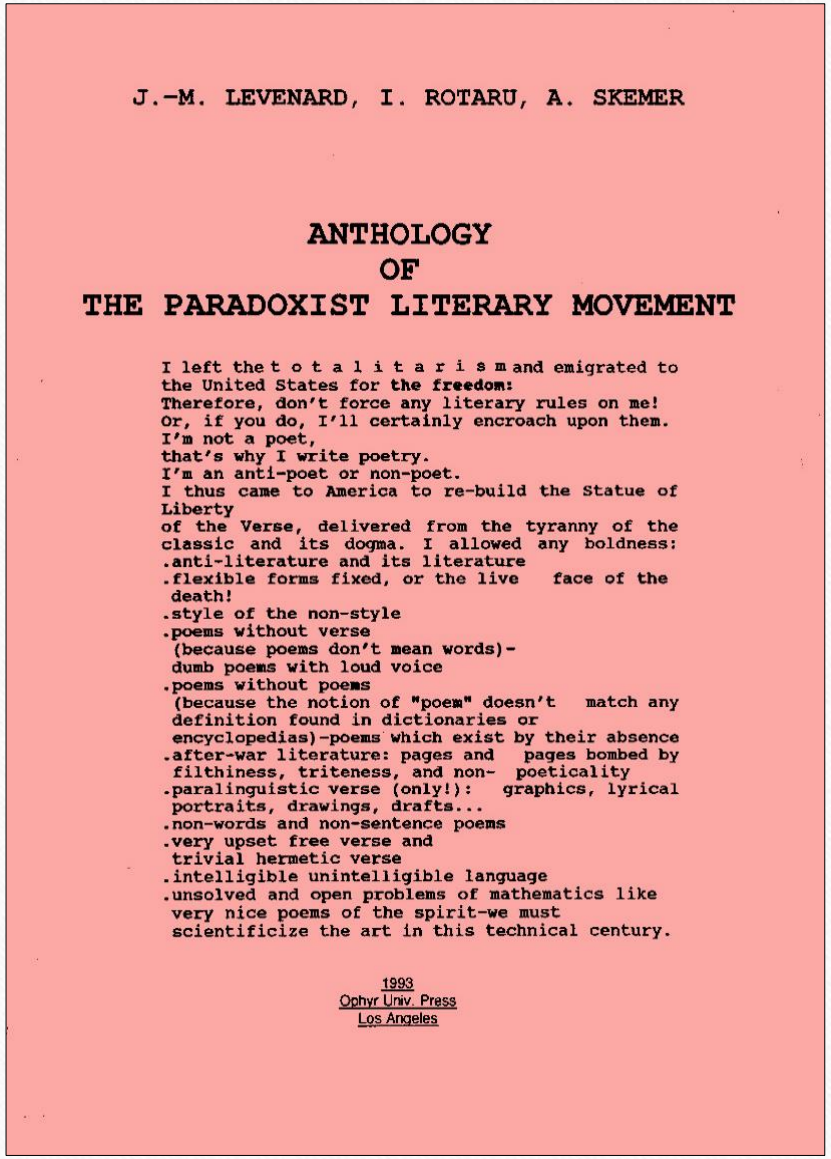
Paradoxismul este o mișcare internațională de avangardă în literatură, artă, filozofie, chiar și în știință, bazată pe folosirea excesivă de antiteze, antinomii, contradicții, oximorone, parabole, inversări sau devieri de sensuri, interpretări de la figurativ la propriu, paradoxuri etc. în creație. A fost înființat de către scriitorul, artistul și omul de știință Florentin Smarandache, în anii 1980, în România, dorind lărgirea sferei artistice prin elemente neartistice și prin experimente contradictorii; în special creație în contra-timp, contra-sens. Primul manifest paradoxist a fost publicat în limba franceză, în anul 1983, în prima carte paradoxistă, Le Sens du Nonsens / Sensul Nonsensului, apărută în Maroc. Inițiatorul paradoxismului împreună cu Andrușa R. Vătuiu propun acum publicului exprimarea paradoxismului în sociologie.

Excerpts:

Ce apare nou odată cu dezvoltarea paradoxismului? Nu numai o abordare nouă, dar şi identificarea unor noi tipuri de paradoxuri, de data aceasta paradoxuri generate fără voia noastră de către dualismul existent nu numai în viaţa noastră materială, dar şi în întreg universul. Nu mai este un secret pentru nimeni că noţiunile opuse - bine-rău, înalt-scund, sus-jos, mare-mic, bogat-sărac, yin-yang, minus-plus - nu pot exista separat. Tocmai aceste opoziţii naturale, obiective şi indestructibile generează în viaţa noastră culturală, socială, profesională, ştiinţifică o serie de paradoxuri ce trebuie cunoscute şi folosite în beneficiul umanităţii. Sunt importante, deoarece ele dau şi o altă textură psihologică creaţiei, indiferent că aceasta este din domeniul artelor sau al ştiinţelor. Îşi are aplicabilitate şi în viaţa economică, socială, politică şi religioasă a omenirii.

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J.-M. LEVENARD, I. ROTARU, A. SKEMER

ANTHOLOGY
OF
THE PARADOXIST LITERARY MOVEMENT

I left the t o t a l i t a r i s m and emigrated to
the United States for the freedom:
Therefore, don't force any literary rules on me!
Or, if you do, I'll certainly encroach upon them.
I'm not a poet,
that's why I write poetry.
I'm an anti-poet or non-poet.
I thus came to America to re-build the Statue of
Liberty
of the Verse, delivered from the tyranny of the
classic and its dogma. I allowed any boldness:
.anti-literature and its literature
.flexible forms fixed, or the live face of the
death!
.style of the non-style
.poems without verse
(because poems don't mean words)-
dumb poems with loud voice
.poems without poems
(because the notion of "poem" doesn't match any
definition found in dictionaries or
encyclopedias)-poems which exist by their absence
.after-war literature: pages and pages bombed by
filthiness, triteness, and non- poeticality
.paralinguistic verse (only!): graphics, lyrical
portraits, drawings, drafts...
.non-words and non-sentence poems
.very upset free verse and
trivial hermetic verse
.intelligible unintelligible language
.unsolved and open problems of mathematics like
very nice poems of the spirit-we must
scientificize the art in this technical century.

1993
Ophyr Univ. Press
Los Angeles

Florentin Smarandache (ed.): **First International Anthology on Paradoxism**. *Anthology of The Paradoxist Literary Movement edited by J.-M. Levenard, I. Rotaru, A. Skemer. Multicultural essays*. Los Angeles, CA, USA: Ophyr Univ. Press, 1993, 176 p.

Keywords: Paradoxism, Anthology, Contradictions, Antinomies, Oxymorons, Antitheses, Paradoxes.

PARADOXISM is an avant-garde movement in literature, art, philosophy, science, based on excessive used of antitheses, antinomies, contradictions, parables, odds, anti-clichés, deviations of senses, against-the-grain speech, nonsense, paraphrases, paradoxes, semiparadoxes, etc. in creations. It was set up and led by the writer Florentin Smarandache since 1980's, who said: "The goal is to enlargement of the artistic sphere through non-artistic elements. But especially the counter-time, counter-sense creation. Also, to experiment."

Excerpts:

"Moi, je ne suis pas poete. Je suis parti des mathematiques. Proprement j'ai ete etonne : pourquoi il existe en mathematique des paradoxes ? La plus exacte science, la reine des sciences - comme Gauss lui avait dit - admet-elle des choses fausses et vraies a la fois ? Alors, pourquoi pas en litterature ? Alors, pourquoi il n'existe pas de paradoxes en litterature qui parait assez ouverte, assez malleable ? Et j'ai essaye de trouver. Tout est possible. Donc aussi ce volume !"

Florentin Smarandache

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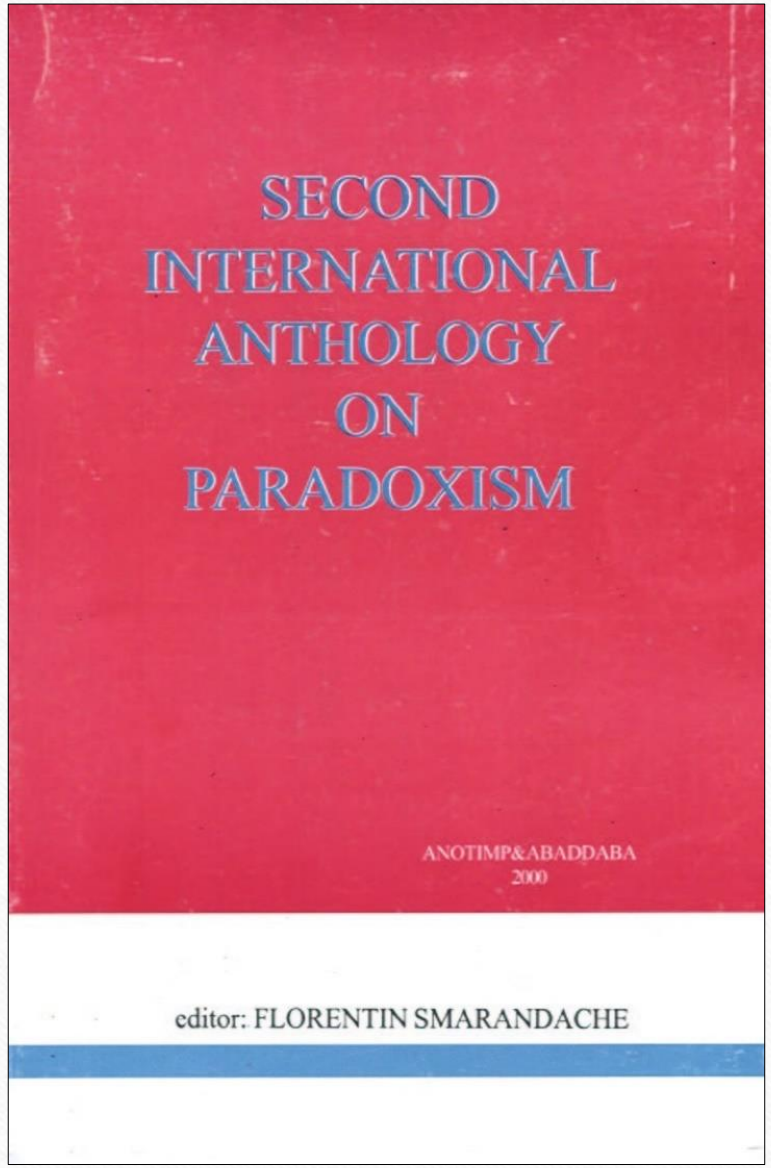
Florentin Smarandache (ed.): **Second International Anthology on Paradoxism**. *Poems, prose, dramas, essays, letters (100 writers).* Oradea, Romania: Anotimp & Abaddaba, 2000, 132 p.

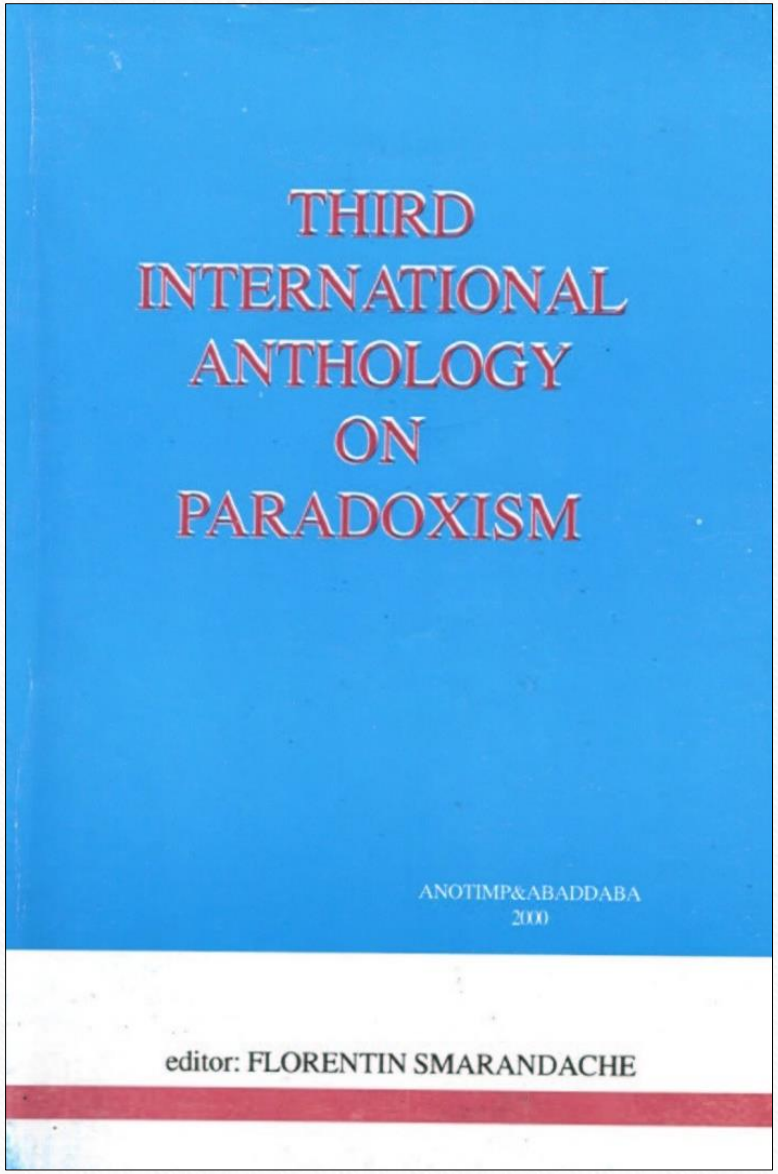
Keywords: Paradoxism, Anthology, Contradictions, Antinomies, Oxymorons, Antitheses, Paradoxes.

This is an interesting collection of paradoxist literature. Paradoxism is a form of prose where the author creates sensible expressions by using contra-dictory phrases, invented by the Roumanian author / mathematician Florentin Smarandache as a response to communism repression; it is a unique and interes-ting style of writing. Smarandache actively solicits contributions from readers for collections into the books such as this. Like all such collections, there is substantial variation in the quality of the material. As I read more of the paradoxist literature, my ap-preciation of it has grown. The best examples reach the level of good satire, with multiple meanings, the best of which will raise your brows. While most of the entries in this book do not reach that level, some do and make reading the book worthwhile. If you like wordplay or deep satire, then you should investigated paradoxist literature. It is a unique form of expression that requires some thought to appreciate. – Charles Ashbacher

Some contributors:
Joanne Barrie Lynn, Robert L. Mayne, Bill Morrison, Jonathan A. Neihardt, Jason Nevius, Aaron B. Poleck, Patricia Ranzoni, Mirela Roznoveanu, David Rullo, Donna A. Ryan, John Sevigny, Jack Shadoian, Eusebie Siebenberg, Michael James Siers, John Sokol, Peter Specker, Steven J. Stewart, Christopher Strophe, James C. Sullivan, Travis Chaney, Laurence Weinstein, Dolly Williams, John Williamson, D. Winter, Mary Winters, Jason Witt, William Woodruft, Vasile M. Barbu, Daniel De Culla, Barbara Bache-Wiig, Todd Balazic, John M. Bennett, Doug Bolling, Emil Burton, Andrei Dorian Gheorghe, Victor Martin, Gheorghe Niculescu, Constantin M. Popa.

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http://fs.unm.edu/ParadoxistAnthology2.pdf





Florentin Smarandache (ed.): **Third International Anthology on Paradoxism**. Oradea, Romania: Anotimp & Abaddaba, 2000, 99 p.

Keywords: Paradoxism, Anthology, Contradictions, Antinomies, Oxymorons, Antitheses, Paradoxes.

Starting from his paradoxism, an avant-garde movement in literature and arts [see "Paradoxism's Aesthetics" by Titu Popescu] set up by Smarandache in 1980's, the editor uses three mathematical structures, based on linguistic paradoxes, tautologies, and dualities to create three new species of "mathematical poems":

The Paradoxist Distich is a two-line poem, such that the second one contradicts the first, but together they form a unitary meaning defining the title.

Example: SCAPEGOAT: // Helps you to go / Wrong.

In the Tautologic Distich the second line is redundant to the first, but together they deep the meaning.

Example: AMBITION: // When I want something / I really want!

In the Dualistic Distich the second line is, of course, the dualistic of the first.

Example: CREATION: // To live for dying / And die for living.

The editor selects such mathematical poems from 40 poets from Argentina, Australia, Belgium, Brasil, Canada, China, England, India, Israel, Ireland, Italy, Romania, Russia, Spain, and USA. He also uses mathematics in creation "Syllogistic Short Story", "Circular Short Story" (for example his "Infinite Tale", 1997), "Neutrosophic Drama", and "Sophistic Drama".

Charles T. Le

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Florentin Smarandache (ed.): **Fourth International Anthology on Paradoxism**. Râmnicu-Vâlcea, Romania: Almarom, 2004, 296 p.

Keywords: Paradoxism, Anthology, Folklore, Paradoxism, Anthology, Contradictions, Antinomies, Oxymorons, Antitheses, Paradoxes.

125 writers from 25 countries in 13 languages contributed to the *Fourth International Anthology on Paradoxism.*

Excerpts:

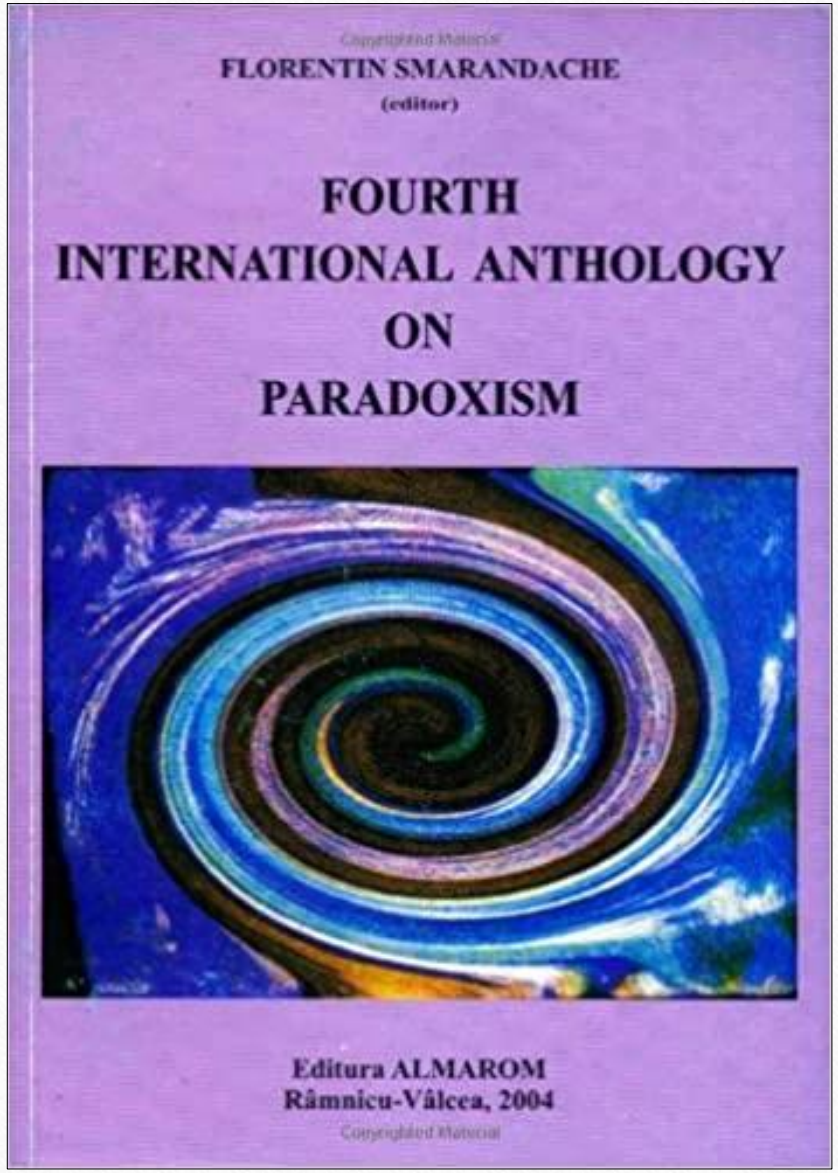
Este o pasiune colaborarea internațională, și mai ales răspândirea paradoxismului, ca stil și teorie literară de sorginte românească, pe zeci de meridiane ale globului. Atât de mult s-a răspândit: în literatură, artă, filozofie (sub forma neutrosofiei, o extindere a dialecticii), și chiar știință (în cibernetică, la prelucrarea informațiilor contradictorii), că n-aș fi bănuit în momentul lansării Mișcării!

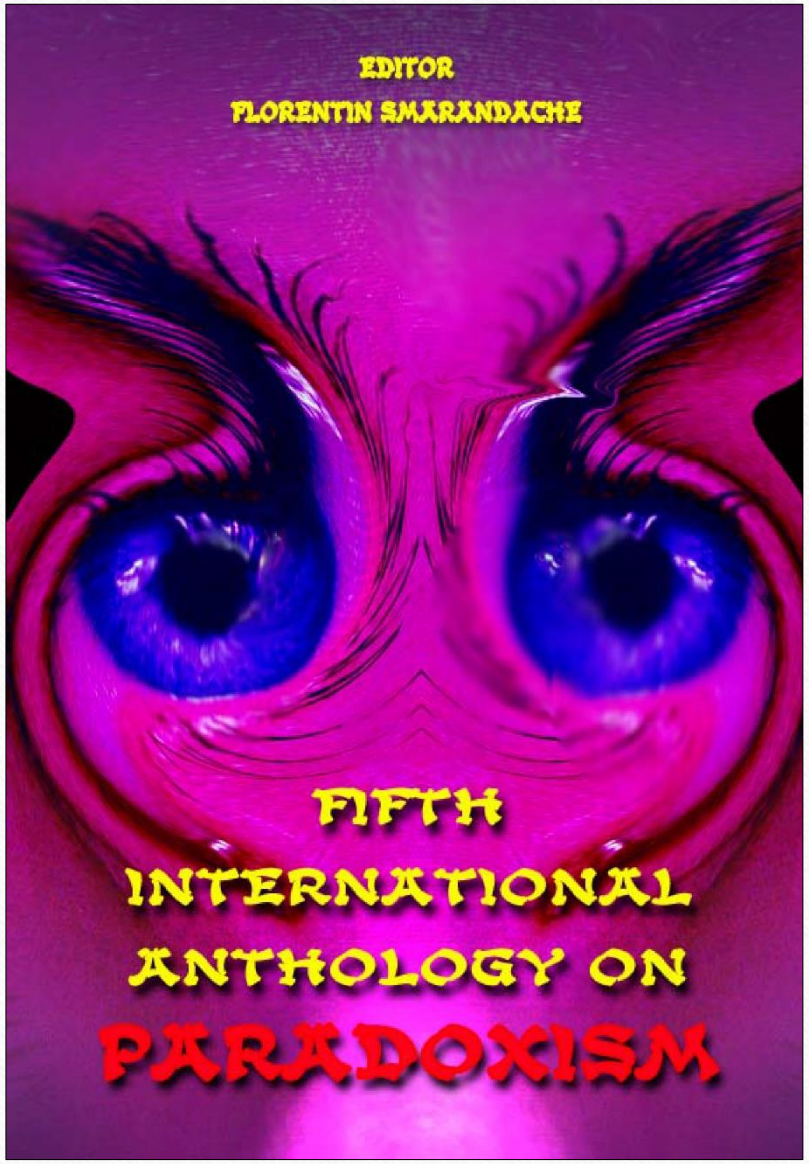
Florentin Smarandache

Contributors:

Eugen Evu, Andrei Dorian Gheorghe, Tudor Iosifaru, Liviu Jianu, Gim Laurian, Adrian Lesenciuc, Cosmin Maricari, Victor Martin, Marian Mirescu, Dan Mitruţ, Nicolae Mohorea-Corni, Mircea Monu, Doru Moţoc, Lucian Muşet, Tudor Negoescu, Janet Nică.

Download from The Science Library at University of New Mexico – Gallup:
http://fs.unm.edu/ParadoxistAnthology4.pdf





Florentin Smarandache (ed.): **Fifth International Anthology on Paradoxism**.
Rm. Valcea, Romania: Offsetcolor, 2006, 254 p.

Keywords: Paradoxism, Anthology, Contradictions, Antinomies, Oxymorons, Antitheses, Paradoxes.

International Dimensions of Paradoxism: 88 writers (in addition of folklore collections) from 23 countries with texts in 17 languages (English, Romanian, Bulgarian, Czech, Arabic, French, German, Hungarian, Tamil, Hindi, Indonesian, Hebrew, Italian, Urdu, Russian, Serbo-Croatian, Spanish) contributed poetry, essays, letters to the editor, arts, science, philosophy, short drama, short story, distiches, epigrams, aphorisms, translations, paradoxes, and folklore or found literature to the "Fifth International Anthology on Paradoxism".

Paradoxism is an avant-garde movement in literature, arts, science, and every human field, initiated in 1980 by the editor as a protest against totalitarianism. It is based on excessive use of contradictions, antinomies, oxymorons, antitheses, paradoxes in creation. Computer work based mathematical algorithms is also used.

Download from The Science Library at University of New Mexico – Gallup:
http://fs.unm.edu/ParadoxistAnthology5.pdf

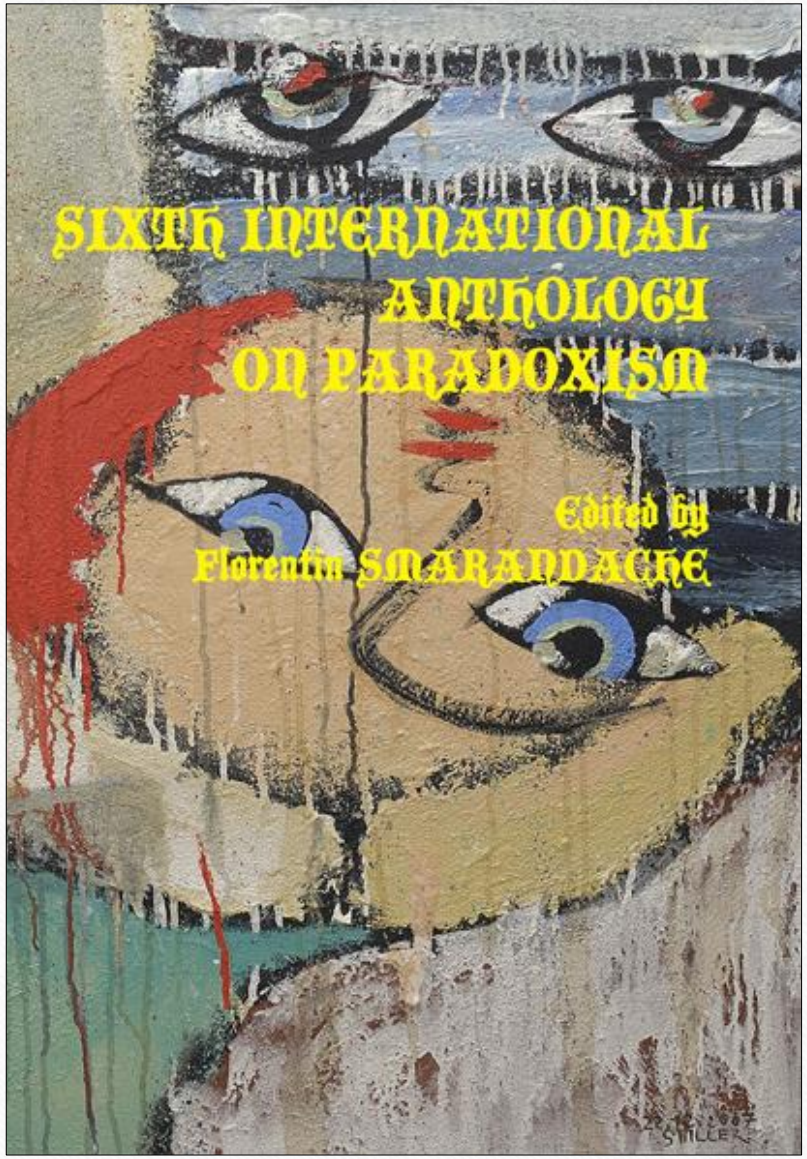
Florentin Smarandache (ed.): **Sixth International Anthology on Paradoxism**. Columbus, OH, USA: Educational Publisher, 2011, 219 p.

Keywords: Paradoxism, Anthology, Contradictions, Antinomies, Oxymorons, Antitheses, Paradoxes.

Started in 1980's as an anti-totalitarian protest based on excessive use of contradictions, antitheses, antinomies, deviations of sense, paradoxes in the creation process, the paradoxism as a literary movement was rapidly spread through the creators in the world, finding applications in many fields (such as geometry, physics, logics, literature), and his founder, University Professor Florentin Smarandache, Ph D, a refugee from Romania who now settles in New Mexico State, USA, became a well-known personality.

The actual paradoxist anthology presents, at the beginning, articles and chronicles in various languages (English, French, Albanian, Spanish, Chinese, Romanian) about paradoxism and its applications, gathered from the folklore, from popular jokes, and also paradoxist arithmetic and geometries, paradoxist images from our today's reality. In the second part the anthology alphabetically groups 35 authors (translators included) and their literary paradoxist creations - from countries like Australia, Albania, Canada, China, Republic of Moldova, Romania, Spain, and United States.

Ion Urda



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http://fs.unm.edu/ParadoxistAnthology6.pdf



Florentin Smarandache (ed.): **Seventh International Anthology on Paradoxism**. Columbus, OH, USA: Educational Publisher, 2012, 214 p.

Keywords: Paradoxism, Anthology, Contradictions, Antinomies, Oxymorons, Antitheses, Paradoxes.

Paradoxism was set up and led by Florentin Smarandache since 1980.
Paradoxism is a literary, artistic, and scientific movement based on excessive use of antinomies, paradoxes, contradictions in creations.

Review:
Seventh International Anthology on Paradoxism poate fi considerată un triumf al paradoxismului, locul metaforelor fiind luat de antiteze şi oximoroni. Cartea cuprinde şase capitole, titlurile fiind sugestive. În cele 222 de pagini, dedicate paradoxismului, cititorul râde sau meditează, cugetul său stând mereu sub semnul unei anume filozofii.

Adriana Răducan

Contributors:
There are 34 writers from 6 countries who contributed to this anthology: from Chile: Pablo Neruda; from Germany: Bernd Hutchenreurther; from India: B. Venkateswara Rao; from Israel: Morel Abramovici; from Romania: George Anca, Marian Apostol, Adrian Botez, Gheorghe Burduşel, Eugen Evu, Sergiu Găbureac, Dumitru Hurubă, Liviu-Florin Jianu, Ion Marinescu - Puiu, Constantin Matei, Mircea Monu, Doru Motoc, Janet Nică, Gheorghe Niculescu, Octavian Paler, Tudor Păroiu, Ion Pătraşcu, Marinela Preoteasa,Andrei Radu, Puiu Răducan, Adriana Stoenescu, Ion Urda; from U.S.A.: Tom Deiker, Greg Hall, Kyle Reveral, Wm Meyer, Mary Ellen Walsh, Eric Pierzchala, Peter Specker - Twixt, Florentin Smarandache.

Download from The Science Library at University of New Mexico – Gallup:
http://fs.unm.edu/ParadoxistAnthology7.pdf

Florentin Smarandache (ed.): **Eighth International Anthology on Paradoxism**.
Oradea, Romania: Duran's, 2013, 180 p.

Keywords: Paradoxism, Anthology, Folklore, Paradoxism, Anthology, Contradictions, Antinomies, Oxymorons, Antitheses, Paradoxes.

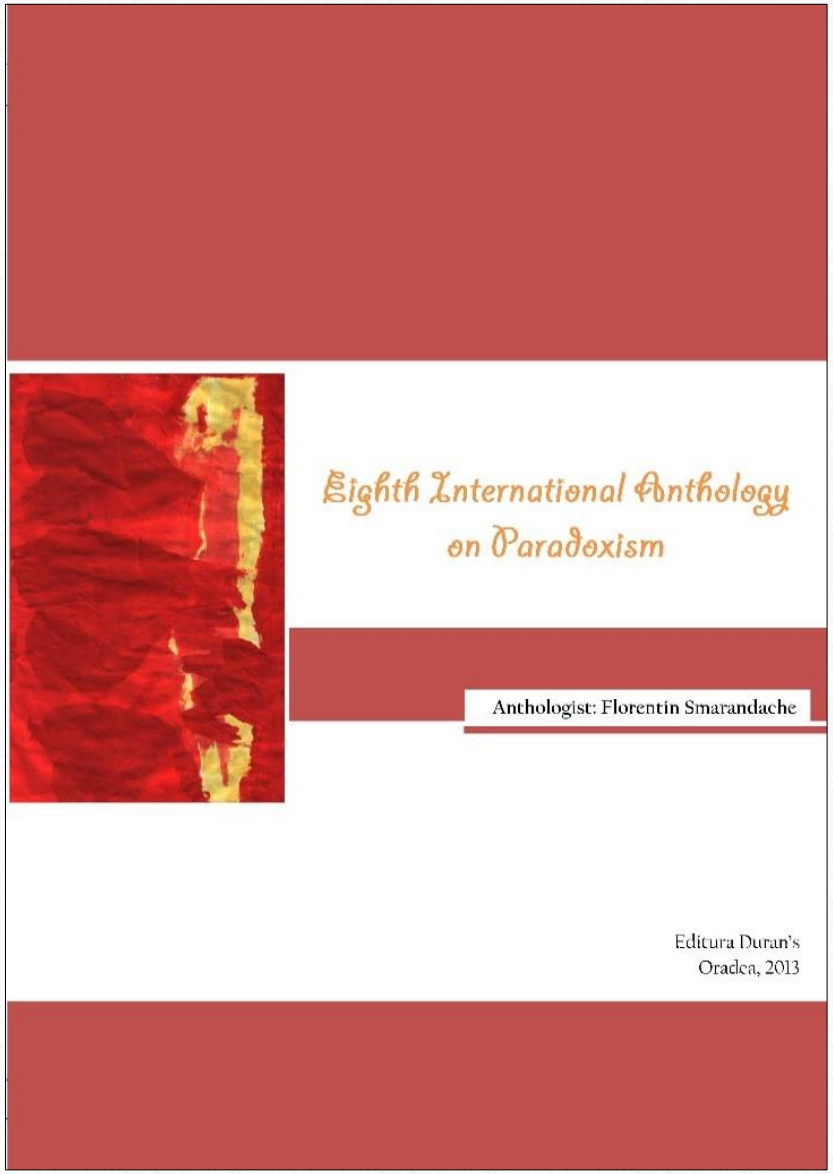
The book has fragments in 8 languages: English, German, Albanian, Greek, Serbo-Croatian, Russian, Romanian and French.

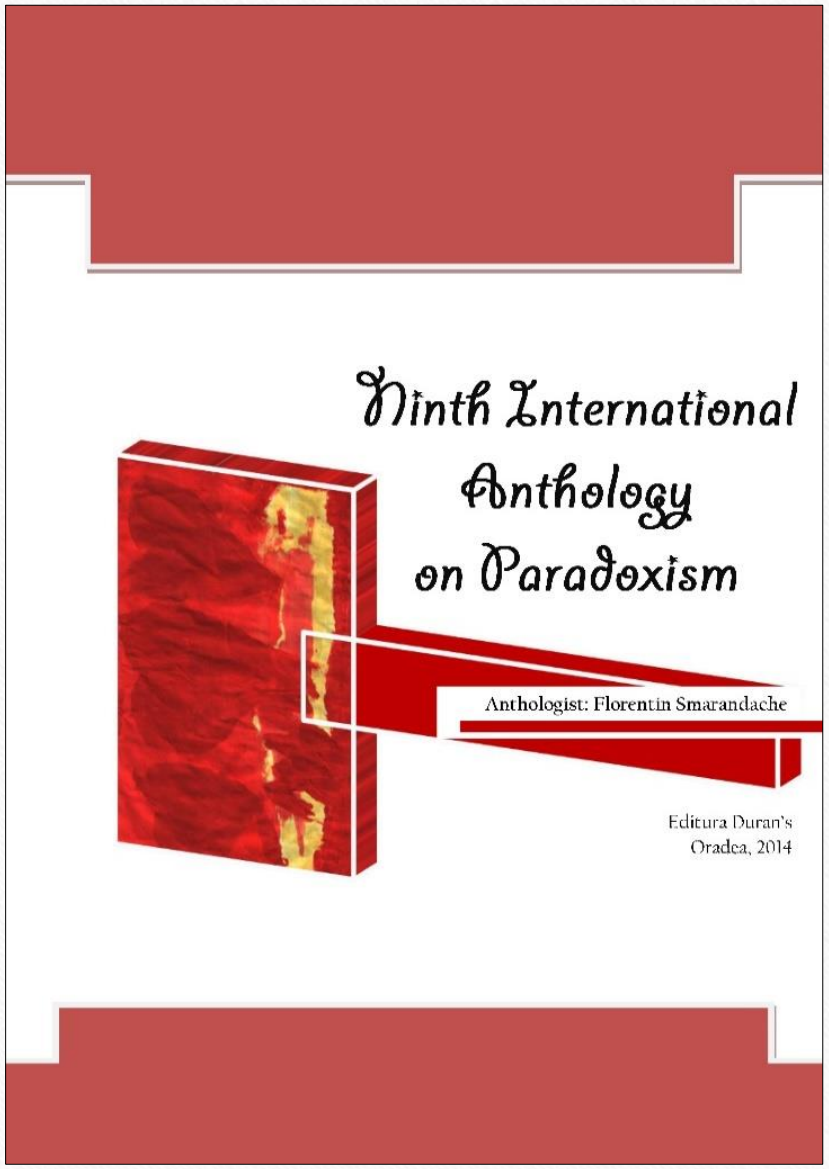
Contributors (47 writers from 10 countries):
From Albania: Dritan Kardhashi. From Canada: Asher Tamir. From Germany: Bernd Hutschenreuther. From Greece: Denis Koulentianos. From India: B. Venkateswara Rao. From Romania: Adrian Botez, Petre Chichirdean, Eugen Evu, Constantin Frosin, Florentin Gurău, Liviu-Florian Jianu, Elisabeta Kocsik, Ioan Marinescu-Puiu, Mircea Monu, Ghe. Niculescu, Nicolae Nistoroiu, Victor Păun, Ion Segărceanu, Mircea Şelariu, Alexandru Surdescu, Ştefan Văduţescu. From Russia: Adolf P. Shvedchikov. From Serbia: Ioan Baba. From South Africa: Ivan Frimmel. From USA: William L. Bingham, Timothy A. Boling, Curtis Cook Jr., Frederick Davis, Holly Day, Tom Deicker, Chris. E. Ellington, Lenny Emmanuel, Brian C. Felder, Tom Gundersen, Greg Hall, Billie Louise Jones, Wm Meyer, David J. Nielsen, Eric Pierzchala, Kyle Reveral, Roger Sedarat, Arnold Skemer, Florentin Smaradache, Peter Specker, C. J. Thomas, Mary Ellen Walsh.

Excerpts:
"If a self-causing cause/ Must continuously precede itself / Then there can be no origin / To an infinite time line. / Which suggests that / Time does not yet exist. / The Origine of Infinite Time is… / Not Yet" ("Infinite Regress")

Greg Hall

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http://fs.unm.edu/ParadoxistAnthology8.pdf





Florentin Smarandache (ed.): **Ninth International Anthology on Paradoxism**. *Texts, photos, video.* Oradea, Romania: Duran's, 2014, 100 p.

Keywords: Paradoxism, Anthology, Folklore, Paradoxism, Anthology, Contradictions, Antinomies, Oxymorons, Antitheses, Paradoxes.

Paradoxism is a literary, artistic, and scientific movement based on excessive use of antinomies, paradoxes, contradictions, set up by Florentin Smarandache since 1980.

Contributors (25 contributors from 7 countries):
From Australia: George Roca;
From Germany: Bernd Hutschenreuther;
From India: B. Venkateswara Rao;
From Moldova: Svetlana Garabaji;
From Romania: Cătălin Barbu, Adrian Botez, Gavrilă Calefariu, Eugen Evu, Valeriu Iovan, Liviu Florian Jianu, Tudor Mușatescu, Ioan Marinescu-Puiu, Gheorghe Niculescu, Tudor Păroiu, Ion Pătrașcu, Alexandru Podea, Andrei Radu, Elena Adriana Răducan, Ion Soare, Mircea Eugen Șelariu;
From Serbia: Ioan Baba;
From USA: Cristian Petru Bălan, Tom Deicker, Vavila Popovici, Florentin Smarandache.

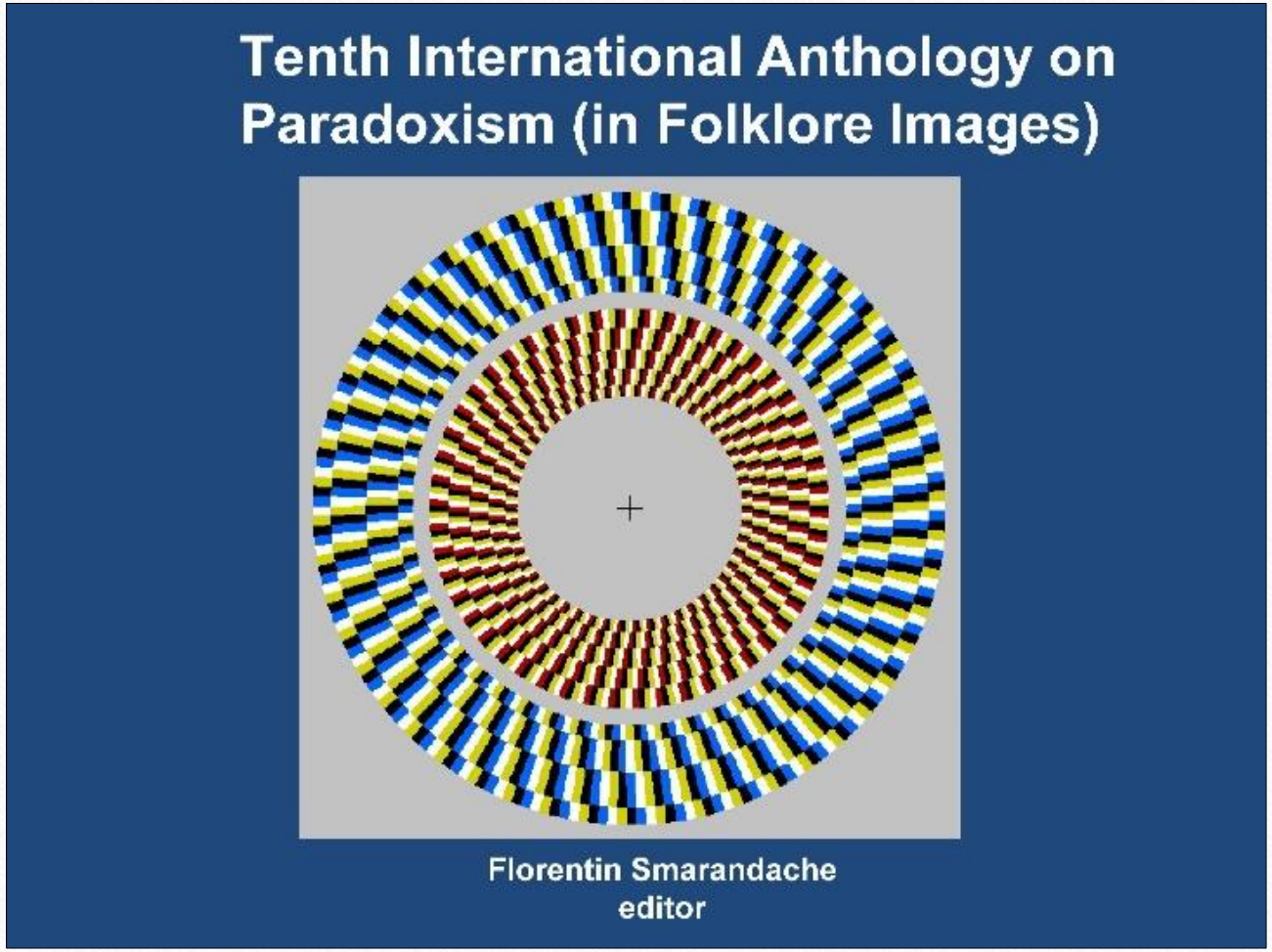
Download from The Science Library at University of New Mexico – Gallup:
http://fs.unm.edu/ParadoxistAnthology9.pdf

Florentin Smarandache (ed.): **Tenth International Anthology on Paradoxism (in Folklore Images).** *Photo-album*. Gallup, NM, USA: Multimedia Larga, 2014, 359 p.

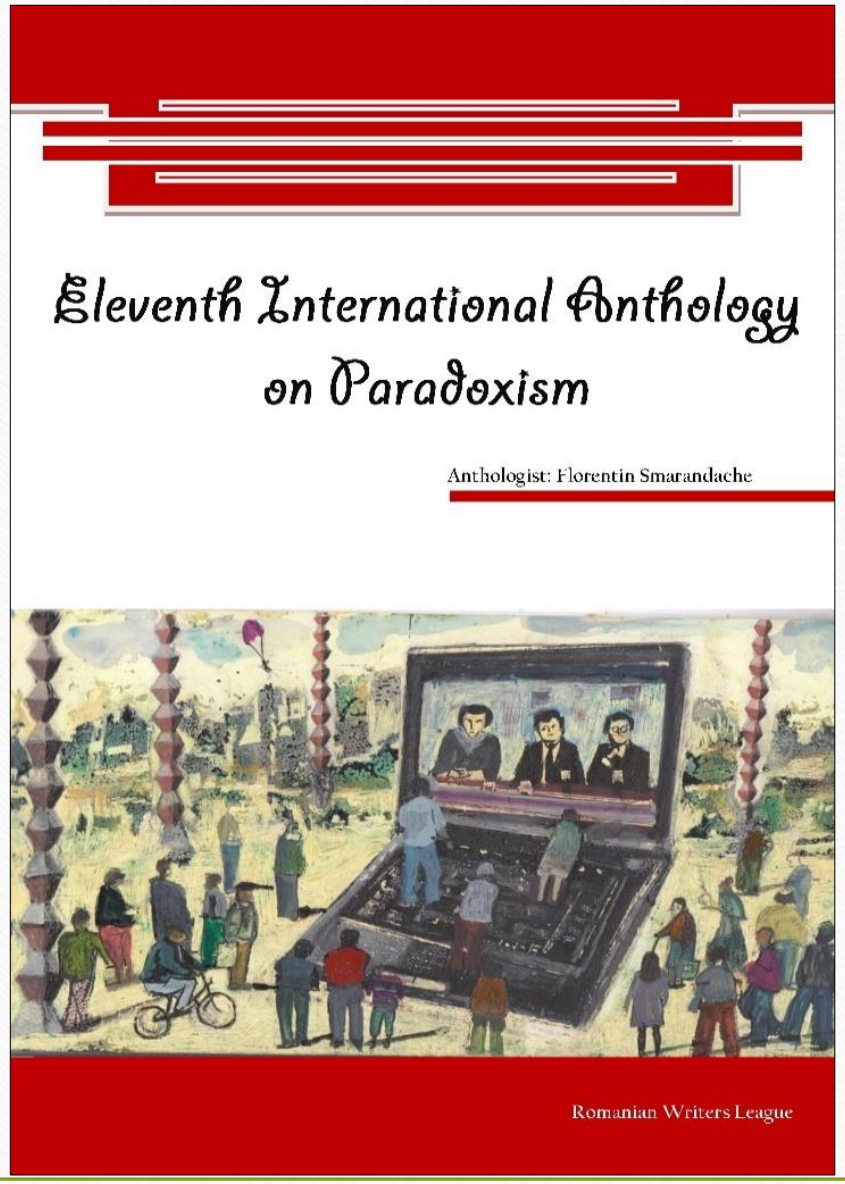
Keywords: Paradoxism, Anthology, Russian Paradoxism, Curious Photos, Optical Illusions.



This photo-album includes about 350 folklore images gathered from Internet or received by e-mails. The images are contradictory -- in a lower percentage (soft paradoxism), or in a higher percentage (hard paradoxism).



Download from The Science Library at University of New Mexico – Gallup:
http://fs.unm.edu/ParadoxistAnthology10.pdf



Florentin Smarandache (ed.): **Eleventh International Anthology on Paradoxism (in Folklore Images)**. Cluj-Napoca, Romania & Brussels, Belgium: Romanian Writers League & Educational Publisher, 2014, 159 p.

Keywords: Paradoxism, Anthology, Aphorism, Internet Folklore.

This photo-album includes about 280 folklore images gathered from Internet or received by-mail. The images are contradictory - in a lower percent (soft paradoxism), or in a higher percent (hard paradoxism).

Contributors:
Adrian Botez, G. Calefariu, Ionuț Caragea, Marius Coman, George Drăghescu, Eugen Evu, Liviu-Florian Jianu, Adrian Lesenciuc, Ioan Marinescu-Puiu, Janet Nică, Nicolae Nicoară-Horia, Gheorghe Niculescu, Mircea Oprea, Andrei Radu, Elena Adriana Răducan, Mircea Eugen Șelariu, Ion Urda (Romania); B. Venkateswara Rao (India), Florentin Smarandache, Connor Wood (USA), Ioan Baba (Serbia).

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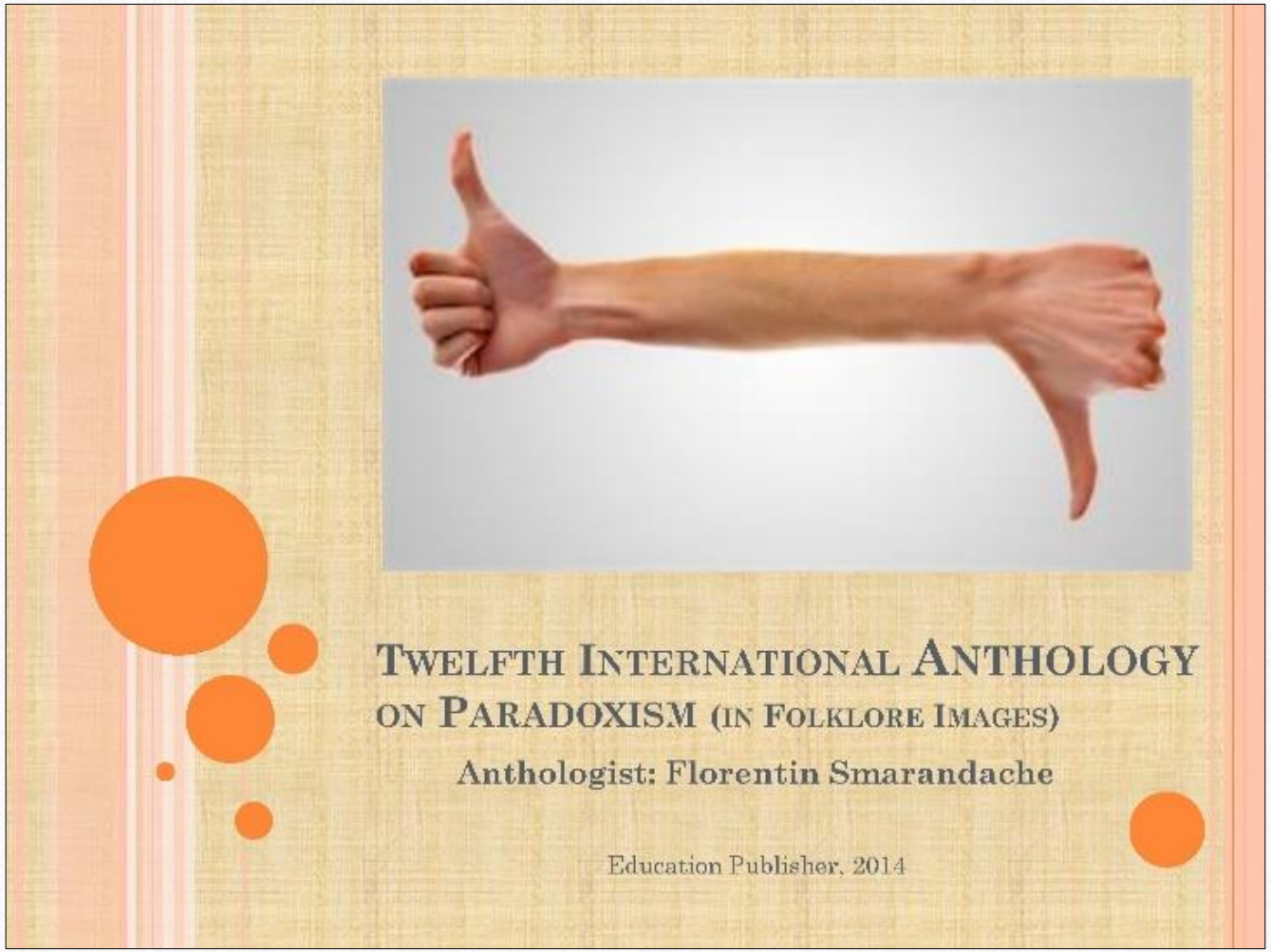
Florentin Smarandache (ed.): **Twelfth International Anthology on Paradoxism (in Folklore Images).** Columbus: Educational Publisher, 2014, 288 p.

Keywords: Paradoxism, Anthology, Aphorism, Internet Folklore.

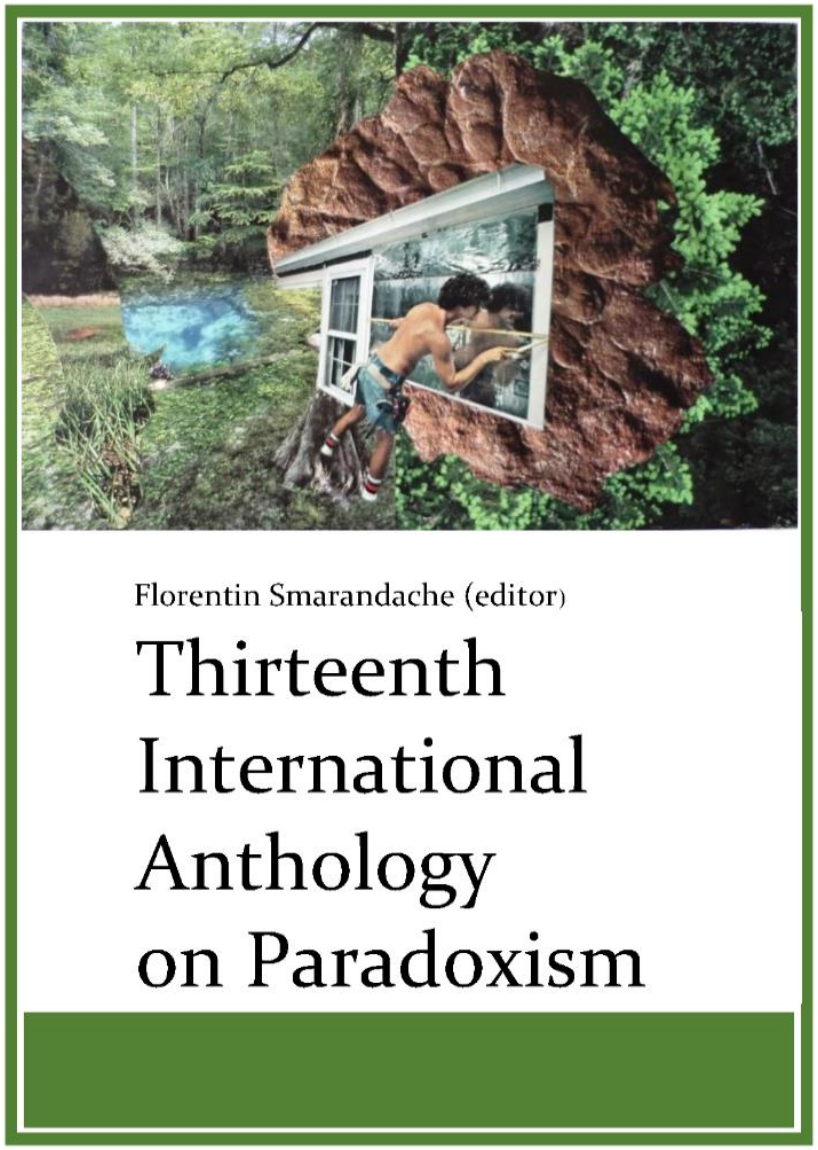
This photo-album includes about 280 folklore images gathered from Internet or received by-mail. The images are contradictory - in a lower percent (soft paradoxism), or in a higher percent (hard paradoxism).

Excerpts:

Q: Care este cea mai adevărată definiţie a globalizării?
A: Moartea prinţesei Diana!
Q: Cum aşa?
A: O prinţesă engleză cu un amant egiptean are un accident într-un tunel francez într-o maşină germană, cu motor olandez, condusă de un belgian, îmbătat cu wiskey scoţian, urmărită fiind de paparazzi italieni, pe motociclete japoneze. Prinţesa era tratată de un doctor american cu medicamente braziliene... Şi chestia asta a observat-o un ardelean, iar tu o citeşti pe un monitor coreean, asamblat de muncitori din Bangladesh, într-o fabrică din Singapore, transportat cu vapoare de indieni şi descărcat de sicilieni, transportat din nou în camioane conduse de şoferi turci şi în final vândută ţie de evrei.



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http://fs.unm.edu/ParadoxistAnthology12.pdf



Florentin Smarandache (ed.): **Thirteenth International Anthology on Paradoxism**.
Columbus: Educational Publisher, 2015, 152 p.

Keywords: Paradoxism, Anthology, Poetry, Paradoxist Distiches, Aphorism, Internet Folklore.

Contributors by country:
George Roca (Australia);
Octavian Blaga (Belgium);
Bernd Hutschenreuther (Germany);
Nicolae Rusu (Moldova);
Elena Agiu-Neacşu, Vătuiu Roaua Ion Andruşa, Virgil Borcan, Adrian Botez, Ana Maria Buzoianu, Eugen Evu, Constantin Manea, Nicolae Nicoară, Gheorghe Niculescu, Nicolae Nistoroiu, Ion Pătrașcu, Gheorghe Săvoiu, Elena Trifan, Ioan Adrian Trifan (România);
Charles Ashbacher, Nicholas Narciss, Caytie Ribble, Florentin Smarandache (USA).

Excerpts:
Cel mai mare OM din istorie, Iisus:
N-a avut servitori, și totuși I se spunea Stăpân.
N-a avut diplomă, și totuși I se spunea Învățător.
N-a avut medicamente, și totuși I se spunea Vindecător.
N-a avut armată, și totuși se temeau de EL.
N-a câștigat nici un razboi, și totuși a cucerit lumea.
N-a comis nici o crima, și totuși l-au răstignit.
A fost înmormântat, și totuși trăiește și azi.
(Paradoxuri biblice)

Download from The Science Library at University of New Mexico – Gallup:
http://fs.unm.edu/ParadoxistAnthology13.pdf

Florentin Smarandache (ed.): **Fourteenth International Anthology on Paradoxism**. Columbus: Educational Publisher, 2018, 129 p.

Keywords: Paradoxism, Anthology, Poetry, Paradoxist Distiches, Aphorism, Internet Folklore.

Paradoxical texts in Romanian, English, German, Russian, French, Korean... and Mathematics!

Contributors by country:
Elena Agiu-Neacșu, Adrian Botez, Octavia-Ana Blaga, Florina Camelita, Liviu-Florian Jianu, Constantin Manea, Tudor Mihălcescu, Janet Nică, Gh. Niculescu-Uricani, Ion Părăianu, Ioan Crăciun Petrișan, Andrei Pogány, Vasile Ponea, Panait Popescu, Gheorghe Săvoiu, Păstorel Teodoreanu, Elena Trifan, Andrușa R. Vătuiu (Romania), Nicolae Rusu (Moldova), Emil Banciu, D. F. Samarescu (Germany), B. Venkateswara Rao (India), Ion Segărceanu (Canada), Florentin Smarandache, Connor Wood (USA).

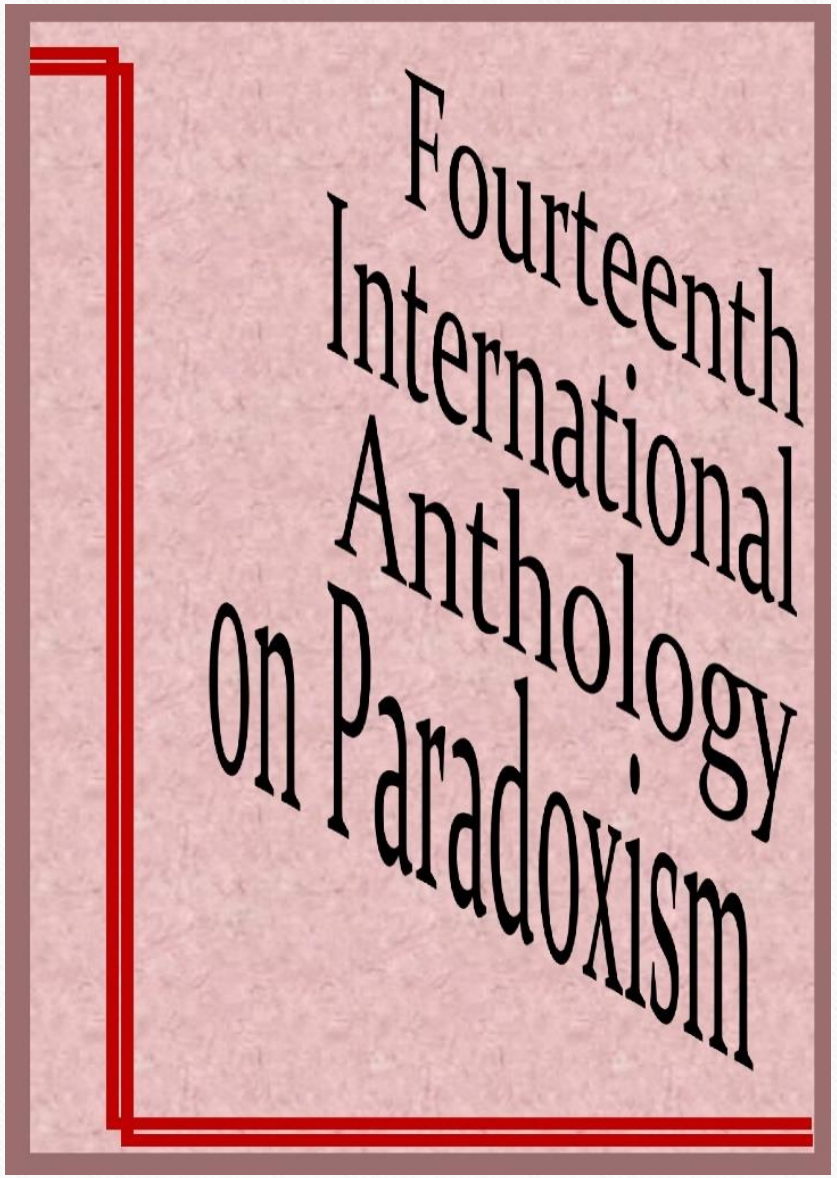
Excerpts:

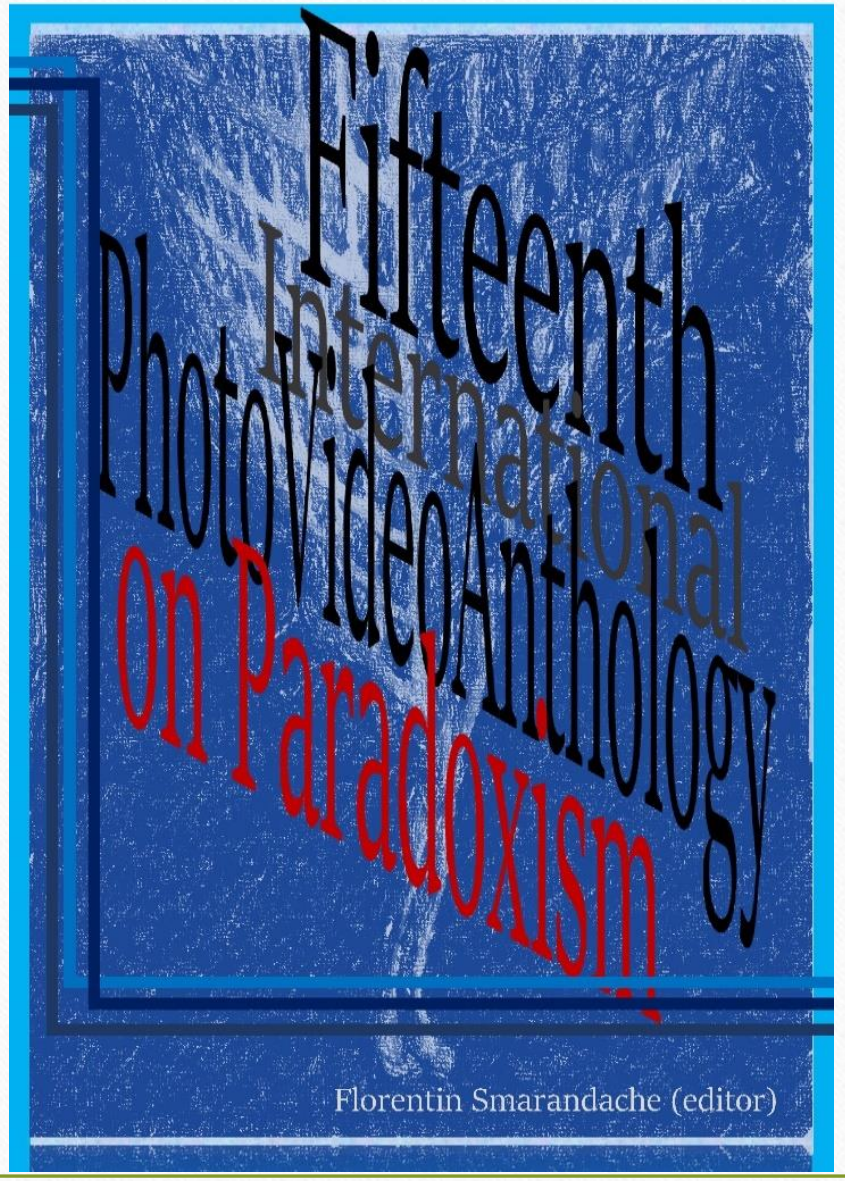
der Esel
mit dem nützliche Schwanz besser als des Pferdes
warum soll er untergeordnet fühlen ?

der Tierekönig
ohne Tötnung lebt er wie König
der Elefant verdient das Wort

B. Venkateswara Rao (India), *German Paradoxist Distiches*

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http://fs.unm.edu/ParadoxistAnthology14.pdf





Florentin Smarandache (ed.): **Fifteenth International PhotoVideoAnthology on Paradoxism**. *Texts*, *photos*, *video*. Columbus: Educational Publisher, 2020, 146 p.

Keywords: Paradoxism, Anthology, Cornel Gingărașu, Constantin Manea, Janet Nica, Gheorghe Niculescu.

The fifteenth anthology on paradoxism (text, photography and video) contains a series of paradoxical images made by the plastic artist Cornel Gingărașu (the titles of the photographs belong to the publisher); paradoxical thoughts by Constantin Manea; paradoxical lyrics by Janet Nica and Gheorghe Niculescu; which also signs a paradoxical crossword puzzle; and a paradoxical video of a parrot dancing.

A cinsprezecea antologie a paradoxismului (text, fotografie și video) conține o serie de imagini paradoxale realizate de artistul plastic Cornel Gingărașu (titlurile fotografiilor aparțin editorului); panseuri paradoxiste de Constantin Manea; versuri paradoxiste de Janet Nica și Gheorghe Niculescu; care semnează și un rebus paradoxist; și un video paradoxist cu dansul unui papagal.

Excerpts:
Copilul normal se răsfaţă, se fîrfoseşte şi fuge de tine când îl bagi în seamă (şi pare curăţel), iar când vrea el să te bage în seamă, să te giugiulească sau să te pupe, e musai să aibă ceva lipicios pe obraji sau pe buze.

Ciudat, dar multe sfere ale vieţii individuale şi ştiinţei moderne se bazează în mare măsură pe ideea de nesiguranţă, înceţoşare, fuzziness…

Constantin Manea

Download from The Science Library at University of New Mexico – Gallup:
http://fs.unm.edu/ParadoxistAnthology15.pdf

Florentin Smarandache: **Le paradoxisme, un nouveau movement litteraire**. Phoenix, AZ, USA & Bergerac, France: Xiquan Publishing House, 1992, 111 p.

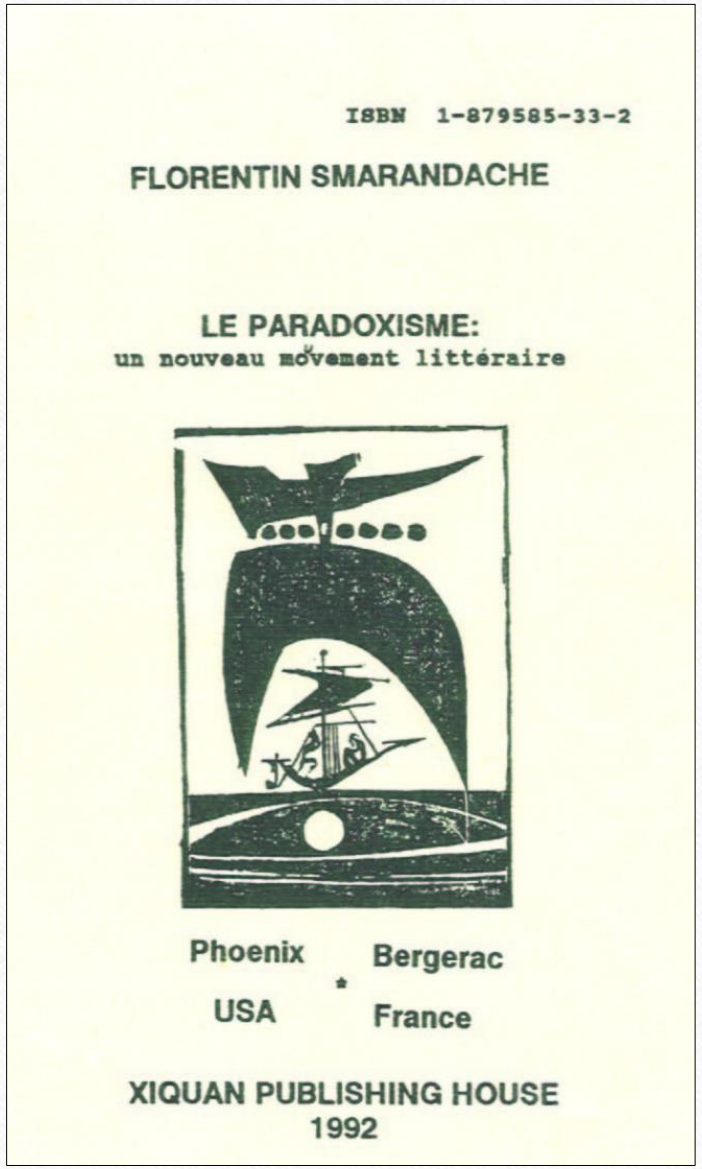
Keywords: Paradoxism, Antitheses, Antinomies, Contradictions, Nonsense, Paraphrases, Paradoxes, Poetry.

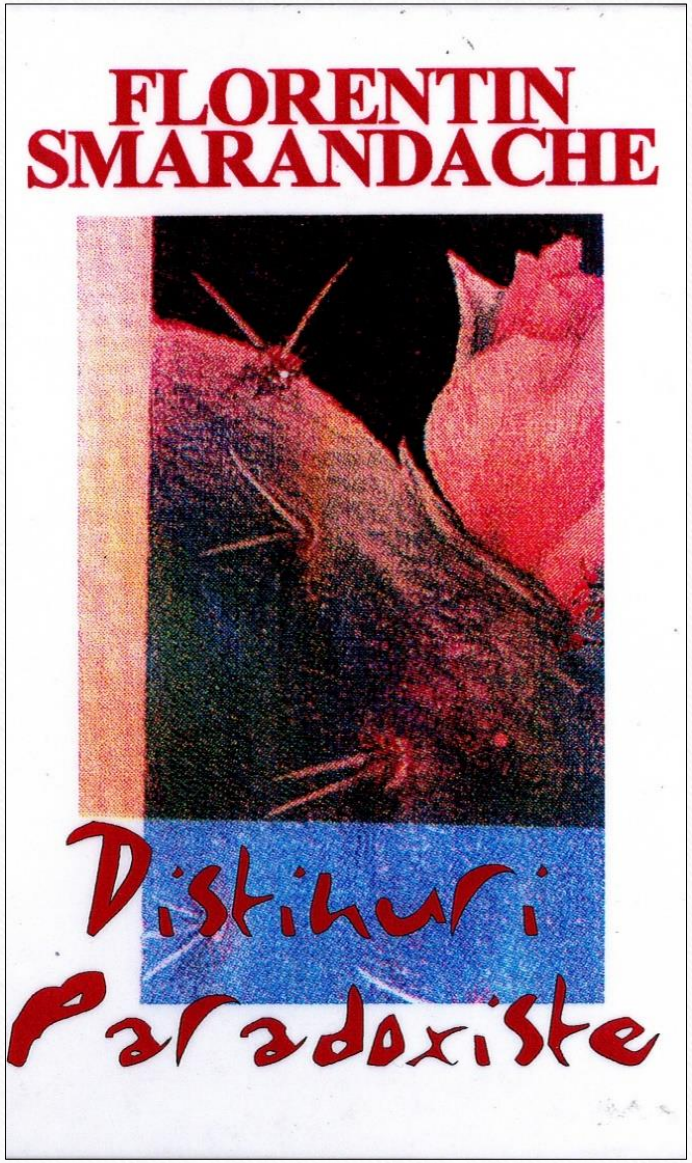
Le Paradoxisme est un mouvement d'avant-garde dans la littérature, l'art, la philosophie, la science appuyé sur l'excessive utilisation des antithèses, antinomies, contradictions, paraboles, déviations du sens, interpretations à l'envers des clichés, non-sens, paradoxes, semiparadoxes dans les créations.

Il a été fondé et dirigé par l'écrivain trilingue Florentin Smarandache depuis 1980, qui a dit que: "Le but est l'élargissement de la sphère artistique par des éléments non-artistiques. Mais, surtout, la création en contre-temps, contre-sens. Et, aussi, l'expérimentation." Il a publie le premier manifeste paradoxiste en 1983 en francais dans son volume "Le sens du non-sens".

Le dictionnaire français fait distinction entre le paradoxisme comme figure réthorique de style, créé par Pierre Fontanier, et le paradoxisme comme movement de création, fondé et dirigé par Florentin Smarandache; ce dernier comprend plusieurs figures réthoriques de style ennumerées en haut (y inclu le paradoxisme comme figure de style).

Download from The Science Library at University of New Mexico – Gallup:
http://fs.unm.edu/LeParadoxisme.pdf





Florentin Smarandache: **Distihuri Paradoxiste.** Aalborg, Danemark: Dorul, 1998, 175 p.

Keywords: Paradoxism, Antitheses, Antinomies, Contradictions, Nonsense, Paraphrases, Paradoxes, Paradoxist Expressions, Poems, Linguistic Clichés.

Founder of Paradoxism, in which he organically connects heterogenic elements from the knowledge fields, Florentin Smarandache proposes a new species of poetry; paradoxist distich is a two-line lyric, in which the two verses are antithetic to each other, but together combine in a whole defining (or making connection with) the title. Many poems, from this volume (completely different in form and content from what was written until now),collected and processed from the folklore, or created, are memorable indeed: ATHEIST // Faithful / In his lack of faith. SOLUTION // It is done ? Can't do this (!) JET PLANE // So smoothly flying... / As if it stays put.

Un distih paradoxist, ne spune autorul, „este format din... două versuri, antitecice unul altuia, dar care împreună se contopesc într-un întreg definind (sau făcând legătura cu) titlul”.

“Volumul Distihuri paradoxiste este o farmacie de pastile inteligente, oferite gratis celor dornici de nemurirea din spatele banalului.”

– Janet Nică

Download from The Science Library at University of New Mexico – Gallup:
http://fs.unm.edu/DistihuriParadoxiste.pdf

Florentin Smarandache: **Парадаксистски двостиови. Флорентин Смарандаке** *(перевод Иоан Баба)*. **Paradoksistički Dvostihovi**. *Izbor i prevod sa rumunskog jezika Ioan Baba.* Pančevo, Serbia: Lumina, 2000, 72 p.

Keywords: Paradoxism, Antitheses, Antinomies, Contradictions, Nonsense, Paraphrases, Paradoxes, Paradoxist Poetry, Poems, Linguistic Clichés.

Stvaranje Dvostiha:
- uzmite recnik knjizevnih izraza, poslovice, izreke, aforizme, maksime znamenitih ljudi ili dosetke i protivrecite ih do mile volje!
- ili recnik antonima i recnik sinonima, pa pravite egzibicije po pojmovima (sintagmama) protivrecnim izrazima, homogenizujuci heterogene elemente; birajte odgovarajuce naslove i udite u paradoksizam.

Skola knjizevnog paradoksizma koja se razvila osamdesetih godina nastavlja se ovakvim dvo-stihovima zatvorenim u novu lirsku formulu, tacnu ali i otvorenu za ono sta je bitno.

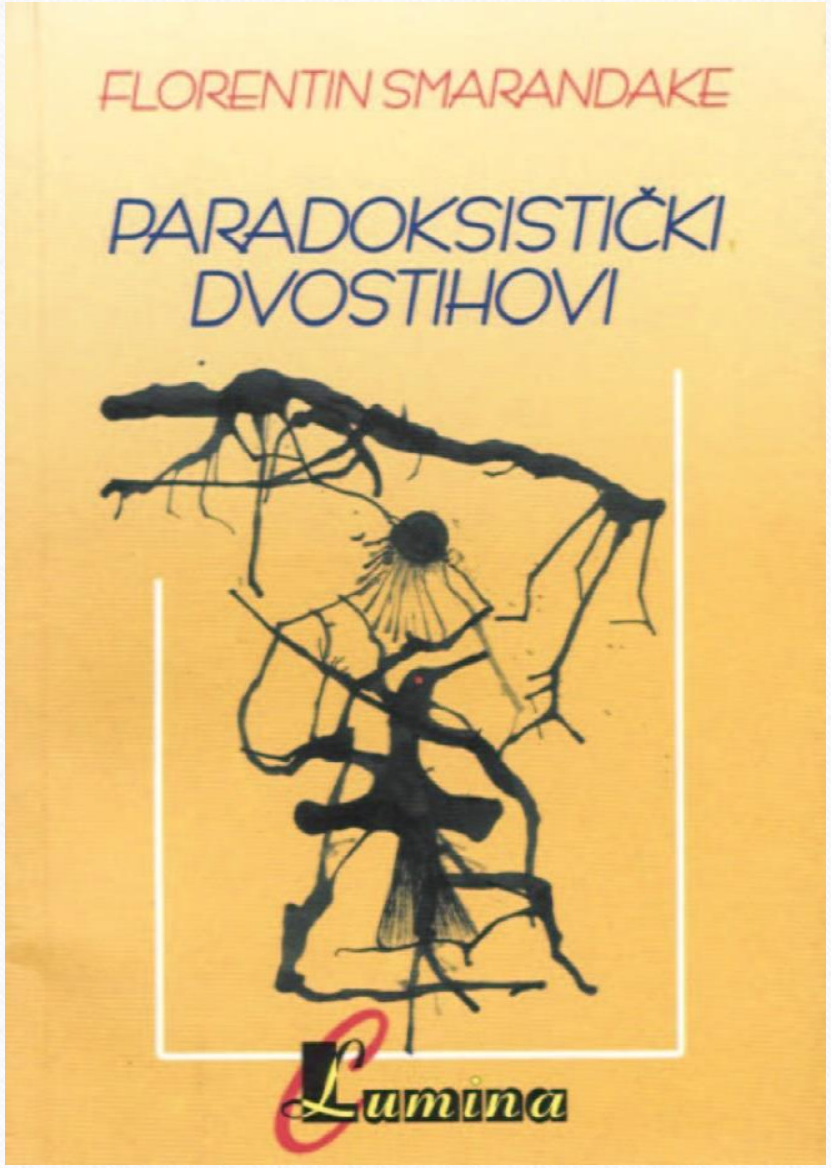
HARAC
Odakle nemas
Otuda dajes

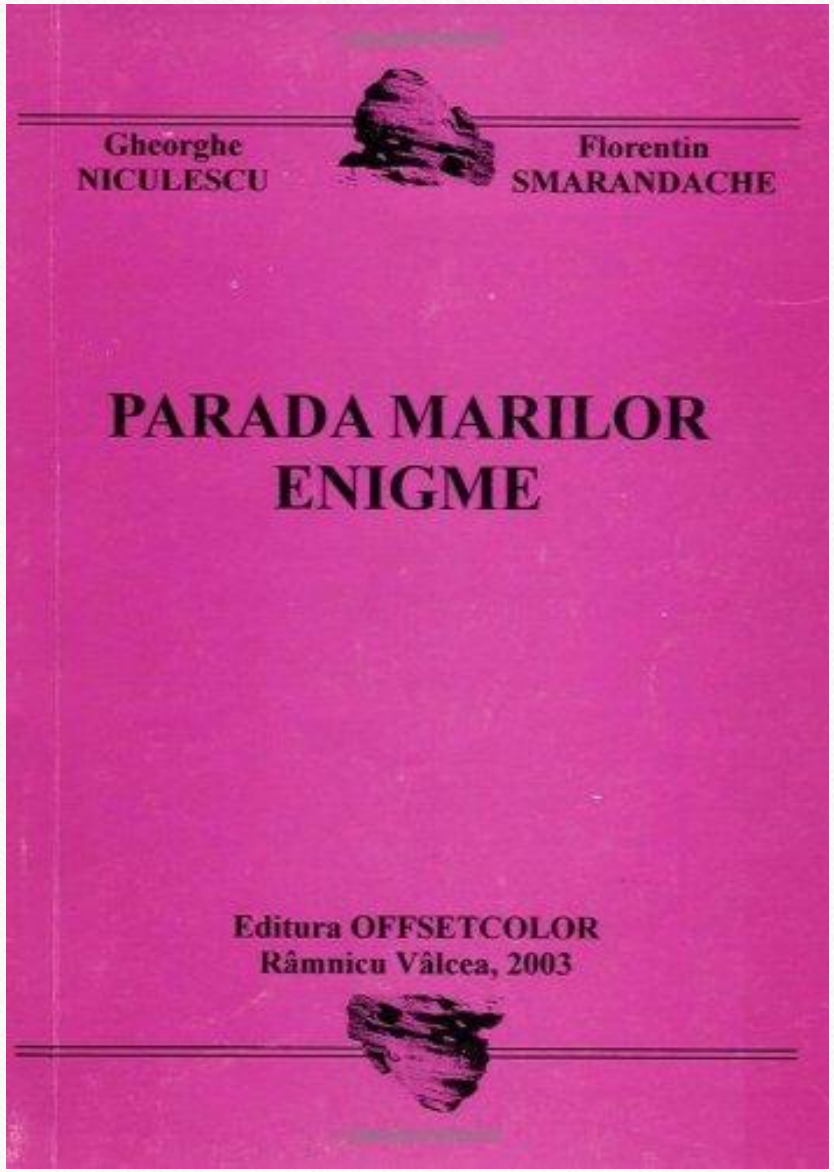
NOSTALGIJA
Slatko
Gorkog ukusa

ZAKON KOMPENZACIJE
Ko gubi danas
Dobice sutra

EUFORIJA
Pice te uspavljuje
Razbuduje te na drugom svetu

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Gheorghe Niculescu, Florentin Smarandache: **Parada marilor enigme**. Râmnicu Vâlcea, Romania: Offsetcolor, 2003, 100 p.

Keywords: Paradoxism, Antitheses, Antinomies, Contradictions, Nonsense, Paraphrases, Paradoxes, Paradoxist Expressions, Poems, Linguistic Clichés, Biverbs.

Paradoxist expressions, forms and poems based on linguistic clichés and computer programs.

Excerpts:

Patru fete
Deşi fără nevastă, el are patru fete:
Cea mare are flori de pom în plete
A doua are-n braţe-un snop de spice,
A treia-i zămislită din belşug, se zice,
Iar ultima este şi cea mai rea:
Doar lângă foc putem scăpa de ea!

Capriciu de primăvară
Arături, semănături,
Pomi în floare, ploi, noroi,
Raze calde, cintezoi,
Iarbă, nuri, ciripituri;
Luna nebuniilor,
Iubita cocorilor,
E şi-a păcălelilor!

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http://fs.unm.edu/Rebus-PME.pdf

Gheorghe Niculescu, Florentin Smarandache: **Creionări făcute cu pixul**. Râmnicu Vâlcea, Romania: Almaron, 2004, 147 p.

Keywords: Paradoxism, Antitheses, Antinomies, Contradictions, Nonsense, Paraphrases, Paradoxes, Paradoxist Expressions, Poems, Linguistic Clichés, Paradoxist Distichs, Tautological Distichs, Dualistic Distichs, Proverbial Distichs.

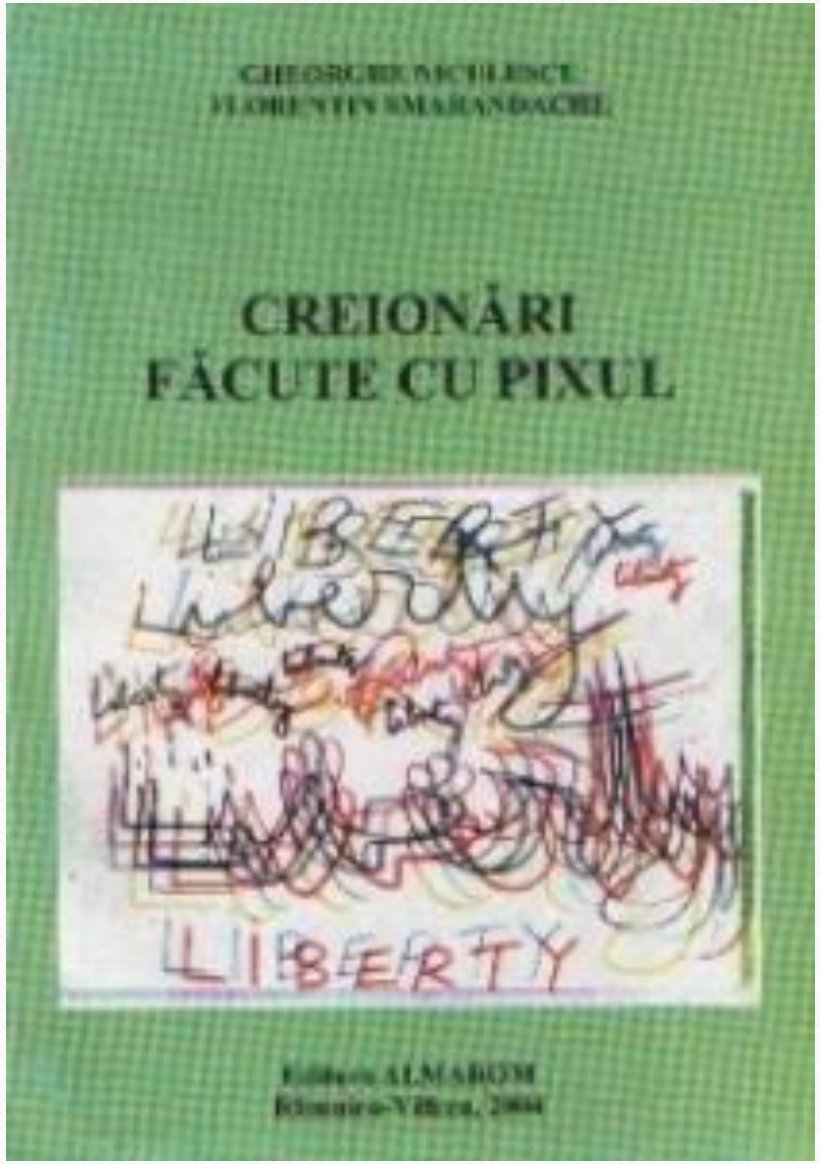
A book which comprises paradoxist, tautological, dualistic, proverbial distichs, which are literary new species introduced by Florentin Smarandache, the creator of paradoxism which is the last movement of second millennium, and upside-down syntagmes, minimized maxims, etc.

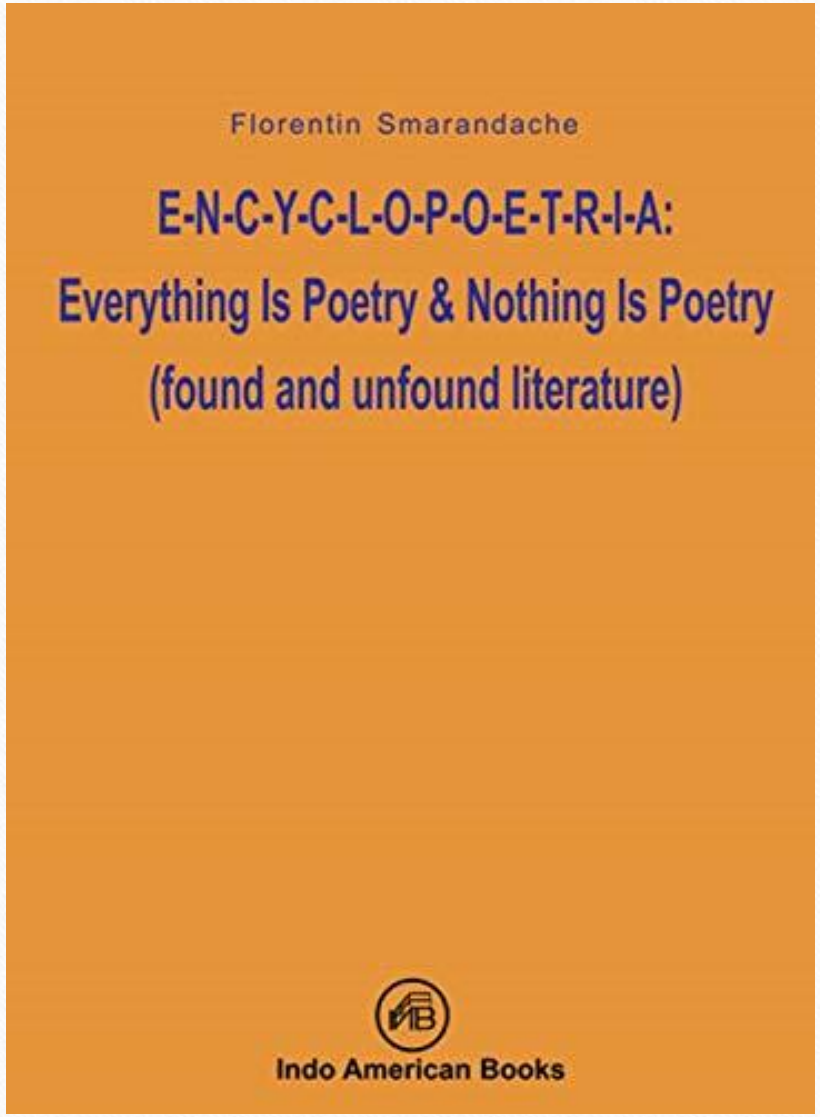
The paradoxism is based on excessive use of contradictions, conflicts, antitheses, antinomies, paradoxes, etc. and it is the only literary and artistic movement used in science, especially in the fusion of conflicting information (see the Dezert-Smarandache Theory of Plausible and Paradoxist Information) and in quantum physics (the contradictory duality particle-wave of the photon).

Excerpts:

∗ Prostul care face pe deşteptul comite un fel de substituire de persoană.
∗ Prostia se plăteşte. Cei care nu plătesc înşală fiscul.
∗ Medicul i-a luat pulsul. De atunci a rămas fără puls.
∗ Dacă nu am fi avut inamici respectabili, nu am avea eroi respectaţi.
∗ Când a văzut câte impulsuri are de plată (la telefon), a devenit impulsiv.
∗ Dacă cineva a furat azi un ou, bine că n-a furat găina.
∗ După ce sunt sigur că locul e sigur, mă asigur.

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http://fs.unm.edu/Creionari.pdf





Florentin Smarandache: **E-n-c-y-c-l-o-p-o-e-t-r-i-a: Everything is Poetry & Nothing is Poetry.** *Found and Unfound Literature*. Phoenix, AZ, USA: Hexis, 2006, 117 p.

Keywords: Paradoxism, Antitheses, Antinomies, Contradictions, Nonsense, Paraphrases, Paradoxes, Paradoxist Expressions, Poems, Linguistic Clichés, Technological Lyricism, Engineering Meditations, Computer Literature.

Very experimental literary texts based on mathematical algorithms.

Excerpts:

Ars antipoetica
is preaching below for:
the total (exhaustive) poem;
the mode of communion with the infinite, the impossible, the transcendent;
writing as an illiterate writer;
it is and it is not a type of new formalism; a description of un description able; reveal the power of zero;
un-aesthetics;
the bad is also good;
poetical system without structure; let's the unchangeable be changed! Bold, sick, blunted poems; mathematical poems;
to he free only when you write the non-writable; liking the non-existence;
experiments in forms and content; ugly, stupid, bad, nasty poems ! free verses and imprisoned verses;
The Worst American Literature of XX-th Century!

Download from The Science Library at University of New Mexico – Gallup:
http://fs.unm.edu/Encyclopoetria.pdf

Florentin Smarandache: **Paradoxist Distiches**. *Translated from Romanian by T. Iosifaru, F. Smarandache, M. & S. Dediu.* Los Angeles, CA, USA: Automaton, 2006, 106 p.

Keywords: Paradoxism, Antitheses, Antinomies, Contradictions, Nonsense, Paraphrases, Paradoxes, Paradoxist Expressions, Poems, Paradoxist Poetry.

Founder of Paradoxism, in which he organically connects heterogenic elements from the knowledge fields, Florentin Smarandache proposes a new species of poetry; paradoxist distich is a two-line lyric, in which the two verses are antithetic to each other, but together combine in a whole defining (or making connection with) the title. Many poems, from this volume (completely different in form and content from what was written until now), collected and processed from the folklore, or created, are memorable indeed: *Atheist* // Faithful / In his lack of faith. *Solution* // It is done ? Can't do this (!) *Jet Plane* // So smoothly flying... / As if it stays put. In addition, the author makes also up creation formulae (eh, because of his … mathematical deformation!) in <Fore\word and back\word>, which is, in fact, an article of literary history theory, that includes also *The Fourth Paradoxist Manifesto*.

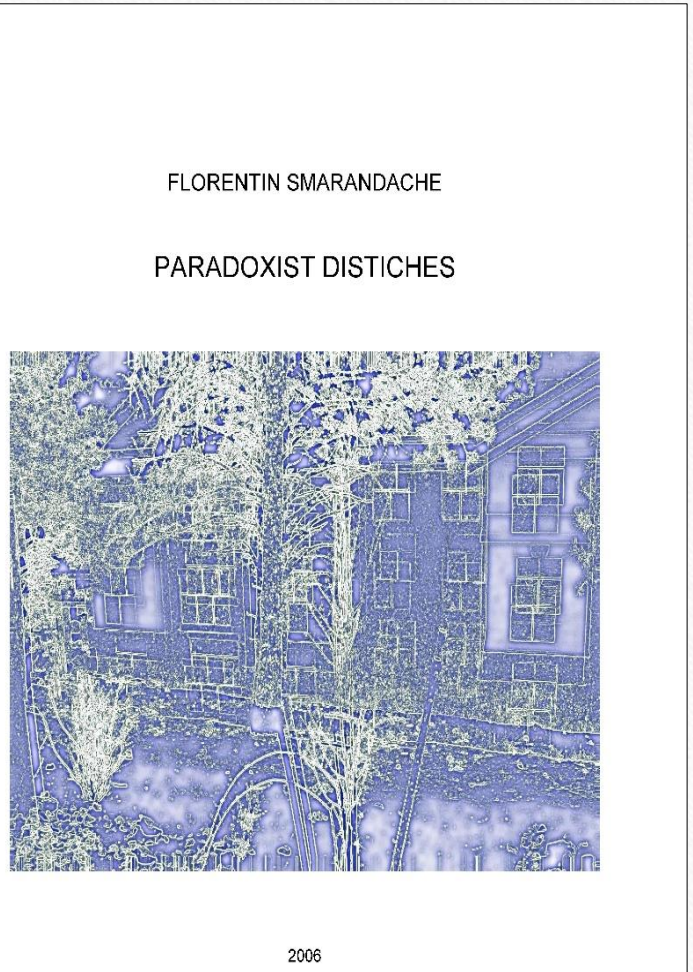
– Dan Ţopa

HISTORY
Scientific
Tale

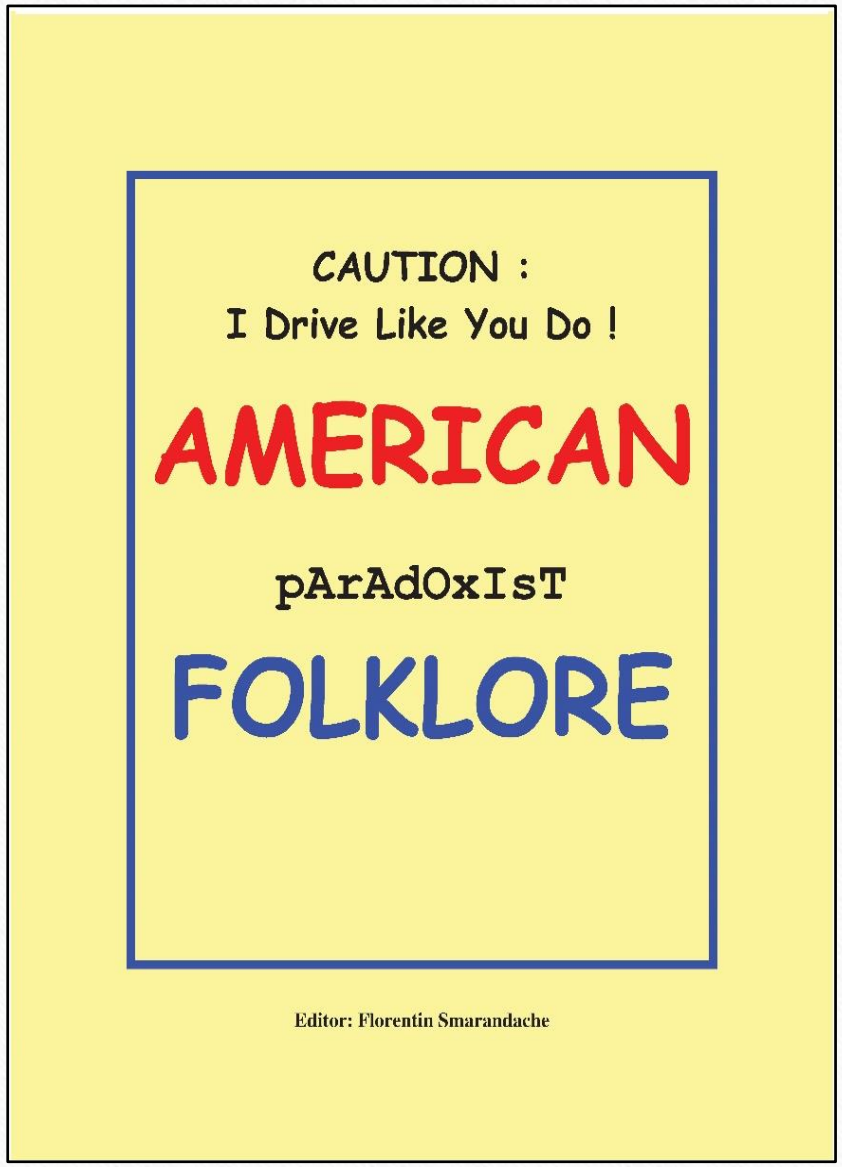
SLOUCHY
A tailless dog
Returning with his tail between legs

PARENTALLY
Daddy should give you
The mother of all punishments

OBNUBILATION
The shining
Dark policy of the Party



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http://fs.unm.edu/ParadoxistDistiches.pdf



Florentin Smarandache: **Caution: I Drive Like You Do!** *Collection of American paradoxist Folklore.* Ann Arbor, MI, USA: InfoLearnQuest, 2007, 60 p.

Keywords: Paradoxism, Antitheses, Antinomies, Contradictions, Nonsense, Paraphrases, Paradoxes, American Folklore, Computer Jokes, Peter's Laws, Murphy's Laws.

I have collected this beautiful American Folklore - under the form of aphorisms - from car plates, from various anonymous postings, from expressions heard in my discussions, from e-mails received, etc.

Computer jokes, life taken upside-down, job related reflections, family connections, inside-out clichés of language, and so on. They are in a paradoxist style, or close, and full of humor…

Some of them are cascading Murphy's Laws (pessimistically), others are opposite - like Peter's Laws (optimistically). Their sweetness smiles in the face of adversity, full of irony and auto-irony.

I hope readers will enjoy them. See a few nice examples from the book text: "I think, therefore I'm single", "Life is short, break some rules", or "Black Holes are Where God Divided by Zero"!

Florentin Smarandache

Download from The Science Library at University of New Mexico – Gallup:
http://fs.unm.edu/AmericanParadoxistFolklore.pdf

Gheorghe Niculescu, Florentin Smarandache: **Perorări paradoxiste**. Râmnicu Vâlcea, Romania: Offsetcolor, 2007, 117 p.

Keywords: Paradoxism, Antitheses, Antinomies, Contradictions, Nonsense, Paraphrases, Paradoxes, Paradoxist Expressions, Poems, Linguistic Clichés.

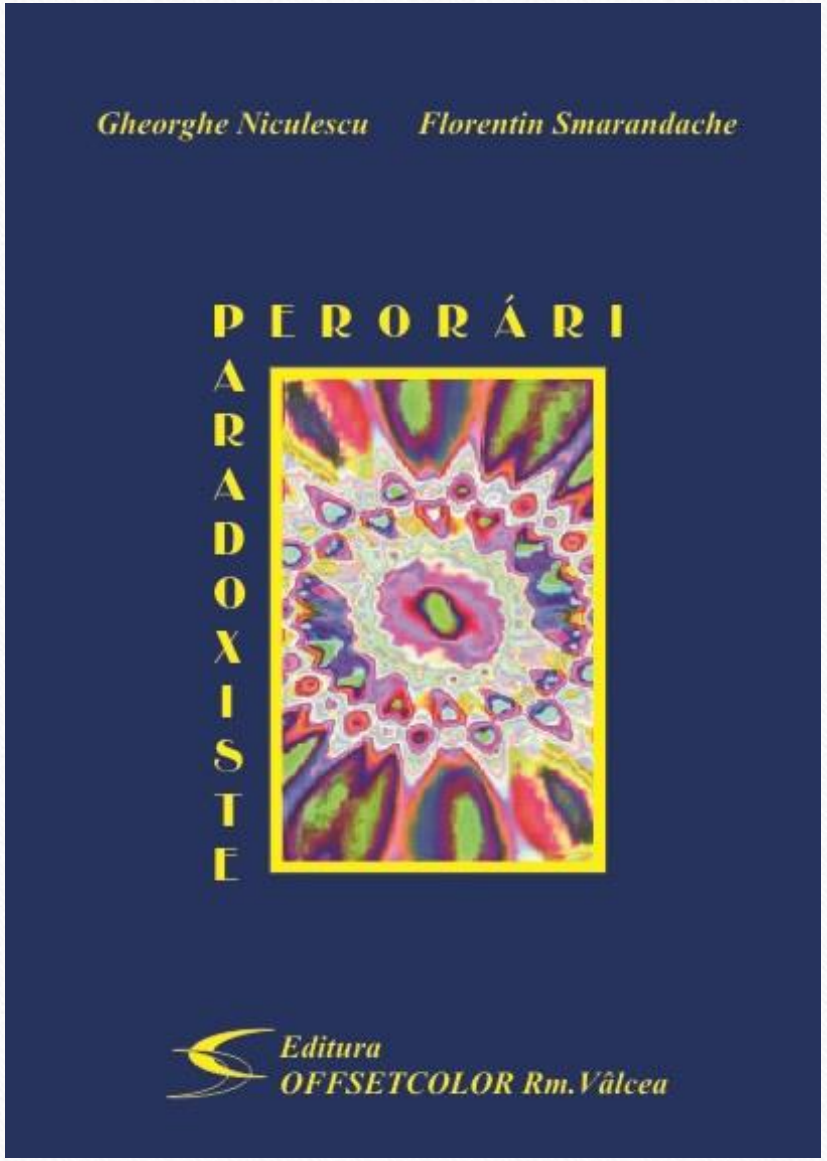
Paradoxist expressions and poems based on linguistic clichés and computer programs.

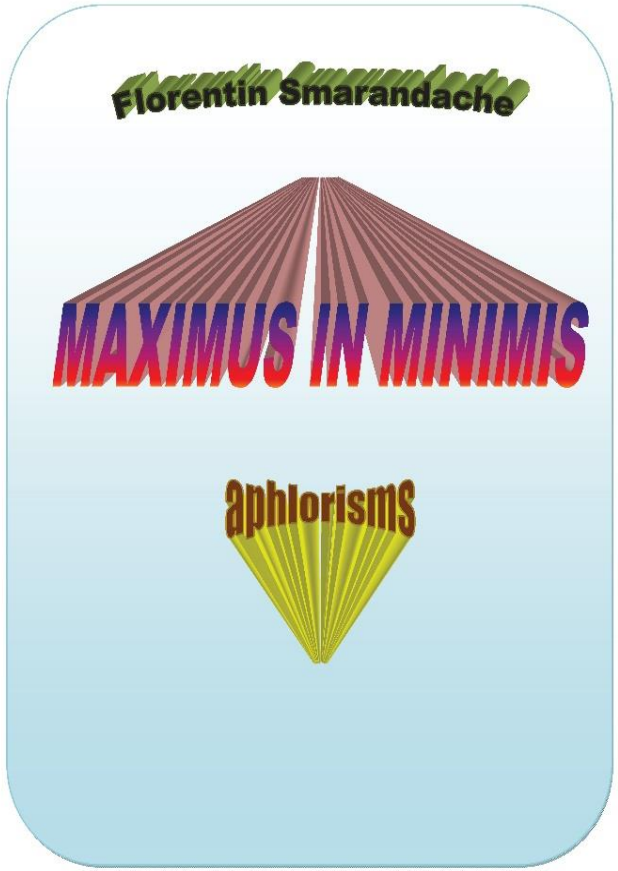
Noi, autorii prezentei lucrări, nu în egală măsură dar în perfectă concordanţă, propovăduim curentul paradoxist în literatură şi artă, fără a ne erija în inventatorii paradoxismului ci în descoperitorii lui, fiindcă n-am putea pretinde acest lucru dat fiind că paradoxismul a apărut încă din timpul genezei
biblice: Dacă Edenul se vrea locul în care „nu este durere şi nici întristare", ce caută şarpele în această grădină a fericirii? Nu este un paradox?

Excerpts:

- A făcut cel mai important pas, lipsit de importanţă.
- Timpul probabil, este reprobabil.
- A votat împotriva abţinerii.
- S-a potrivit intr-un moment nepotrivit.
- Au acelaşi stil, diferit.
- Doctorul, era erudit în incultura sa.
- A făcut tot ce era imposibil de făcut.
- Era de o profunzime interioară extremă.
- Au fost chemaţi toti nechemaţii.
- Sunt în stare sa impoziteze si lipsurile de venituri impozabile.

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http://fs.unm.edu/PerorariParadoxiste.pdf





Download from The Science Library at
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http://fs.unm.edu/aphlorisms.pdf

Florentin Smarandache: **Maximus in minimis**. *Aphlorisms in unistiches*.
Ann Arbor, MI, USA: InfoLearnQuest, 2008, 108 p.

Keywords: Paradoxism, Antitheses, Antinomies, Contradictions, Nonsense, Paraphrases, Paradoxes, Aphorisms, Geometrical Figures.

This collection of "aphlorisms" resulted from a search in my old manuscripts. At that time I was preoccupied everyday with noting down in my little notebook various interesting-to-me expressions that I heard or that came to my mind. Etymologically, *aphorism + floral = aph(L)orism*, which is a short reflection written on a floral design, or a short poetry accompanied by an artistic background. They are colorful contemplations.

Maximus in minimis (lat.) means very much in very little [max in min], or condensed thought, or ideating essence. They are actually maxims, adages, sayings mostly in one line (uni-stich) with a title, as a metaphoric statement, a breathing momentum that oils our soul. This volume gives shapes to the aphlorisms by framing them into various geometrical figures.

Excerpts:
I write with my heart, with my soul,
With my blood,
To bypass what
Cannot be bypassed.
I live with blood in those moments.

Florentin Smarandache: **601 Paradoxist Distiches**. *Chinese Translation by Yuhua*.
Ann Arbor, MI, USA: Xiquan Publishing House - Chinese Branch, 2008, 96 p.

Keywords: Paradoxism, Antitheses, Antinomies, Contradictions, Nonsense, Paraphrases, Paradoxes, Poetry, Paradoxist Distiches.

Excerpts from Preface:

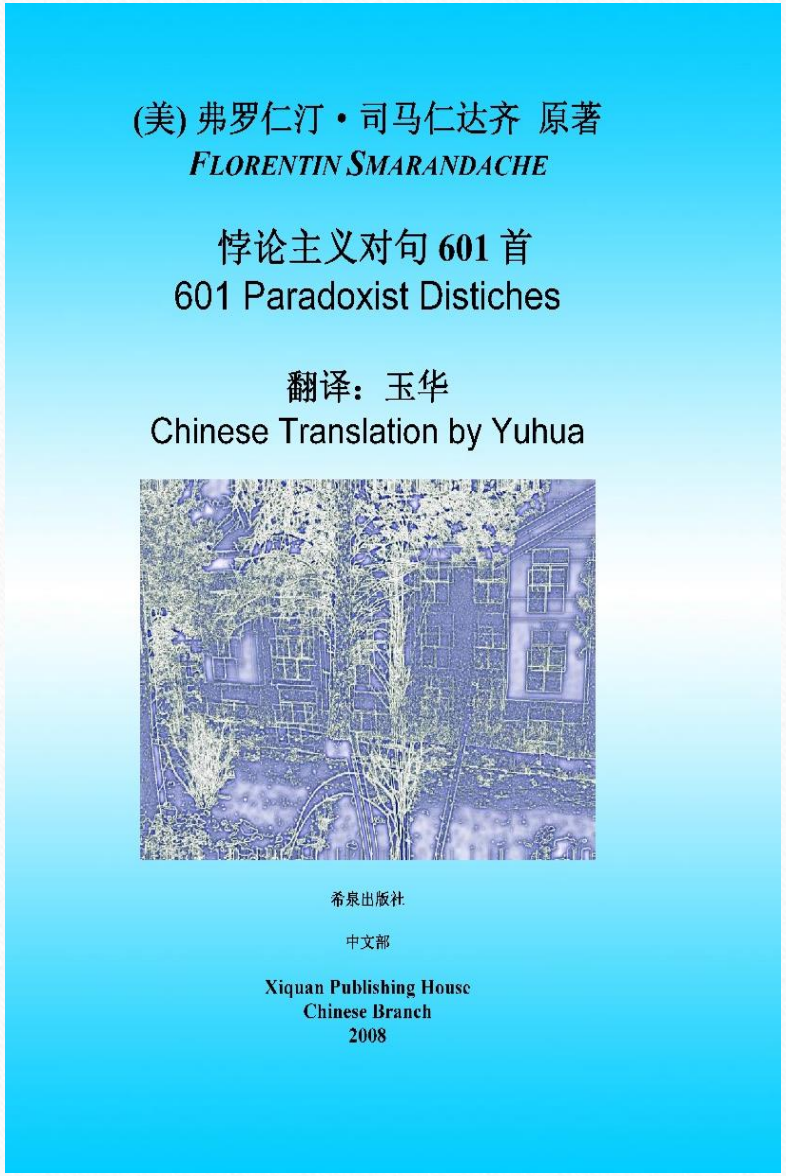
呈现在读者面前的，是美籍罗马尼亚诗人、剧作家、小说、散文及童话 故事作家，多种语言的翻译家，实验画家、哲学家、物理学家、数学家，1999 年被提名为诺贝尔文学奖候选人的弗罗仁汀·司马仁达齐（Florentin Smarandache）所著的《悖论主义对句601 首》。

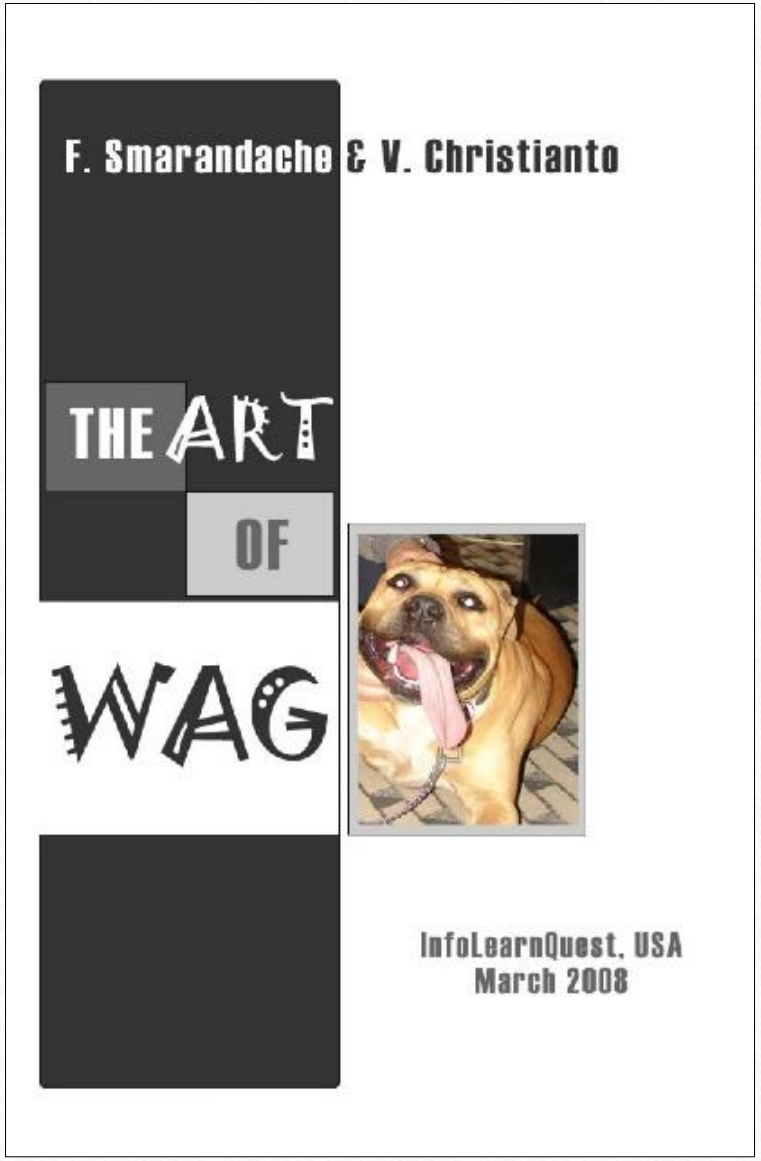
悖论主义对句是由司马仁达齐创立的一种新的诗歌和楹联形式。其包括 含义相反的两行诗句，但是这两句诗合并（或建立联系）后给出标题的完整 定义。

这种含义相反的两行诗形式，在中国古代诗歌中是不多见的。比较著名 的是：“远看山有色，近听水无声。”不过，一些诗句稍加修改，就成为不 错的悖论主义对句。例如，“大漠升烟直，长河落日圆。”“白日依山进，黄河推海出。”

这部诗集可以引起读者多方面的阅读兴趣。首先，这是一部双语读物，在品味这种意境非凡的新诗的同时，还可以领略独特的英语风采；其次，可 以从不同的角度触摸到辩证法的脉搏；最后，这部诗集堪称是一部小百科全 书，因为它涉及到自然科学和社会科学的多个学科和多个领域。 如果读者阅读完这部诗集之后，能够引起创作欲望，写出令人拍案叫绝 的悖论主义对句，在汉语的诗歌和楹联的百花园中增添几许奇苞，则译者将 感到不胜欣慰。由于译者才疏学浅，译文不当之处敬请指正。

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This is a unique booklet comprised of advices and possible tips you can use on how to make the best out of your pet/dog in workplace and other situations. Some of these gems come from our own experience, and some come from watching these practices surrounding us.

As our last advice before you jump through this book, (a) do these advices at your own risks; (b) managing the dog outside is much easier than managing 'the dog' inside yourself; (c) don't take your dog to workplace/office if you are not confident enough that your dog is always at your side.

The Authors

Florentin Smarandache, V. Christianto: **The Art of Wag**. Ann Arbor, MI; USA: InfoLearnQuest, 2008, 19 p.

Keywords: Paradoxism, Antitheses, Antinomies, Contradictions, Nonsense, Paraphrases, Paradoxes, Doberman, Chihuahua, Dalmatian, Dogs.

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http://fs.unm.edu/TheArtOfWag.pdf

Excerpts:

• If you're not the lead dog … the view never changes.
• All is really possible, especially with a big Doberman.
• In a meeting, it's easier to argue your point with a big Doberman besides you.
• It's more effective to convince people with persuasion and a big dog, rather than with persuasion alone.
• There are two types of dog-approach in office: (a) first bring a small and funny dog, like Chihuahua or Dalmatian, (b) then bring a big Doberman.
• It's possible to bring your Doberman when asking for a raise.

Gheorghe Niculescu, Florentin Smarandache: **Amprente Paradoxiste**. Râmnicu Vâlcea, Romania: Silviana, 2009, 112 p.

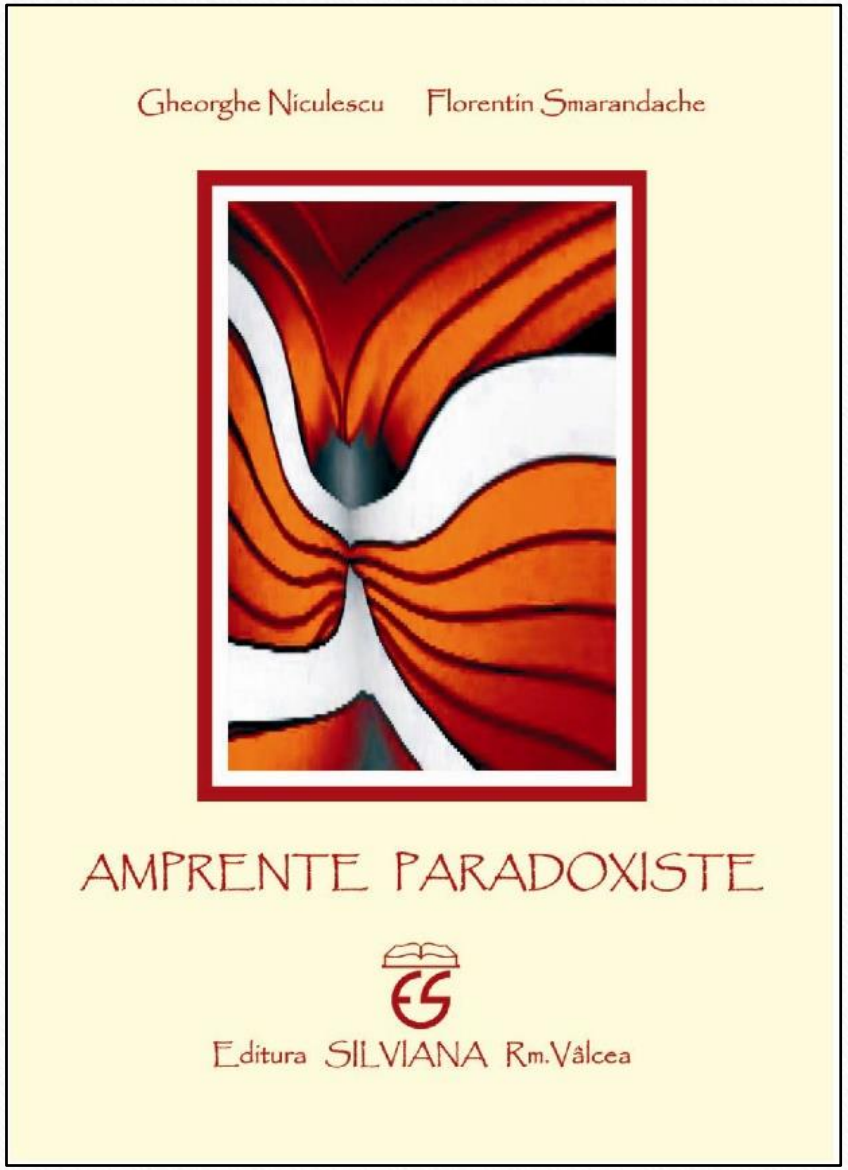
The authors use linguistic paradoxes, play against the grain on linguistic clichés, and employ combinations of words involving contradictions, antitheses, oxymoron, which fully characterize the paradoxism movement in literature and science.

Keywords: Paradoxism, Antitheses, Antinomies, Contradictions, Nonsense, Paraphrases, Paradoxes, Poetry.

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http://fs.unm.edu/AmprenteParadoxiste.pdf

Excerpts:

- A descris ceva de nedescris.
- Unul venea după bani, iar celălalt după amiază.
- Memoria, fiind de genul feminin, mă cam înşeală.
- A avut o tentativă de omor prin imprudenţă.
- El a rămas repetent, iar ea a rămas gravidă.
- A legat un cal putere de un arbore cotit, într-un câmp electromagnetic.
- Unul avea ochi albaştri, iar celălalt avea darul beţiei.
- L-a scos din minţi şi l-a băgat în spital.
- Nevasta generalului în retragere era mereu în atac.
- Este fondatorul unui partid extremist de centru.
- Elevii de la şcoala de marină învăţau lecţiile ca pe apă.





LYRIPHOTO(N)S
(At Mind's Infinite Speed)

2009

Florentin Smarandache: **Lyriphoto(n)s (At Mind's Infinite Speed)**.
Ann Arbor, MI, USA: InfoLearnQuest, 2009, 92 p.

Keywords: Paradoxism, Antitheses, Antinomies, Contradictions, Nonsense, Paraphrases, Paradoxes, Quantum Energy, Electromagnetism, Mass, Charge, Wave.

A lyriphoton is a short creation as a quantum of electromagnetic artistic and poetical energy. Its energy is equal to $h \cdot \nu$, where h is Plank constant and ν the frequency of the lyrical wave.

A lyriphoton travels at mind's infinite speed and with a momentum of $h \cdot \lambda$, where λ is the lyrical wave's length. It has no mass or charge.

The lyriphoto(n)s can produce excitation of the readers and critics, and the most energetic ones can cause the ionization of the mind and vibration of the heart's cords.

A lyriphoton nuclear reaction occurs when the high-energy lyriphotons collide with an atomic literary nucleus and disintegrate it (lyriphotofission) into words [lyrics] and images [photo(n)s].

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http://fs.unm.edu/Lyriphotons.pdf

Florentin Smarandache, V. Christianto: **Искусство Лая**. *Translated from English into Russian by Adolf Shvedchikov*. Hanko, Finland: North-European Scientific Publishers, 2010, 15 p.

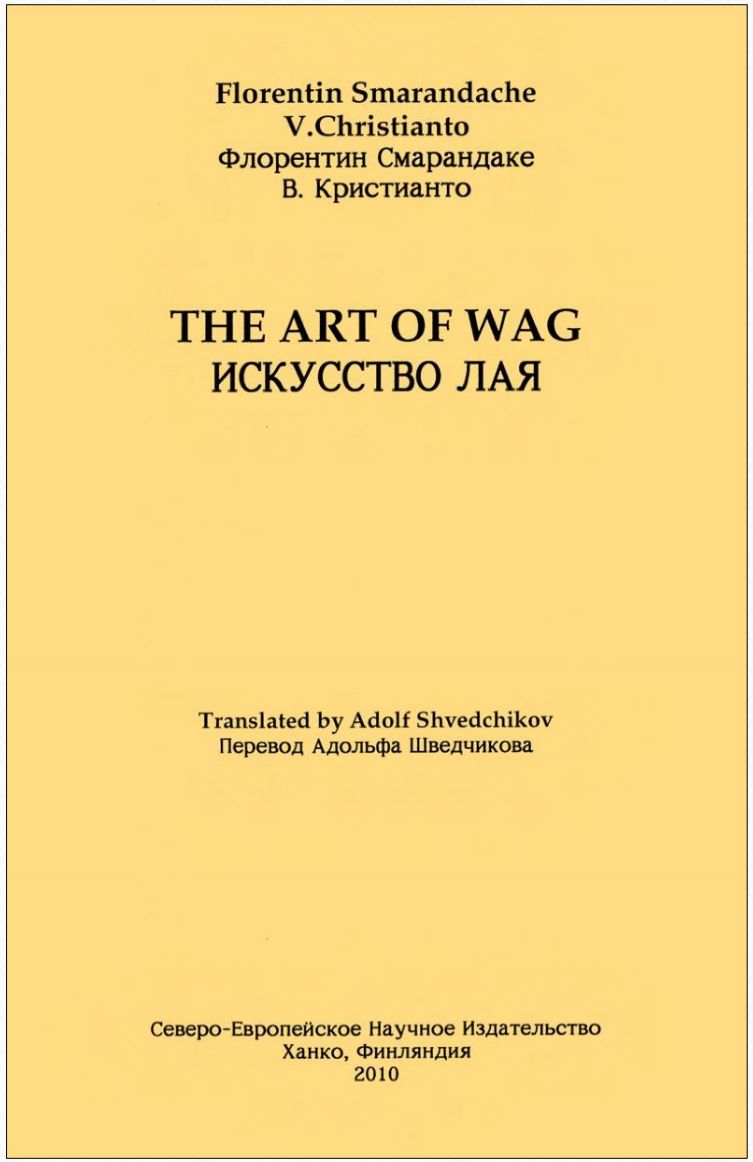
Keywords: Paradoxism, Antitheses, Antinomies, Contradictions, Nonsense, Paraphrases, Paradoxes, Sketches.

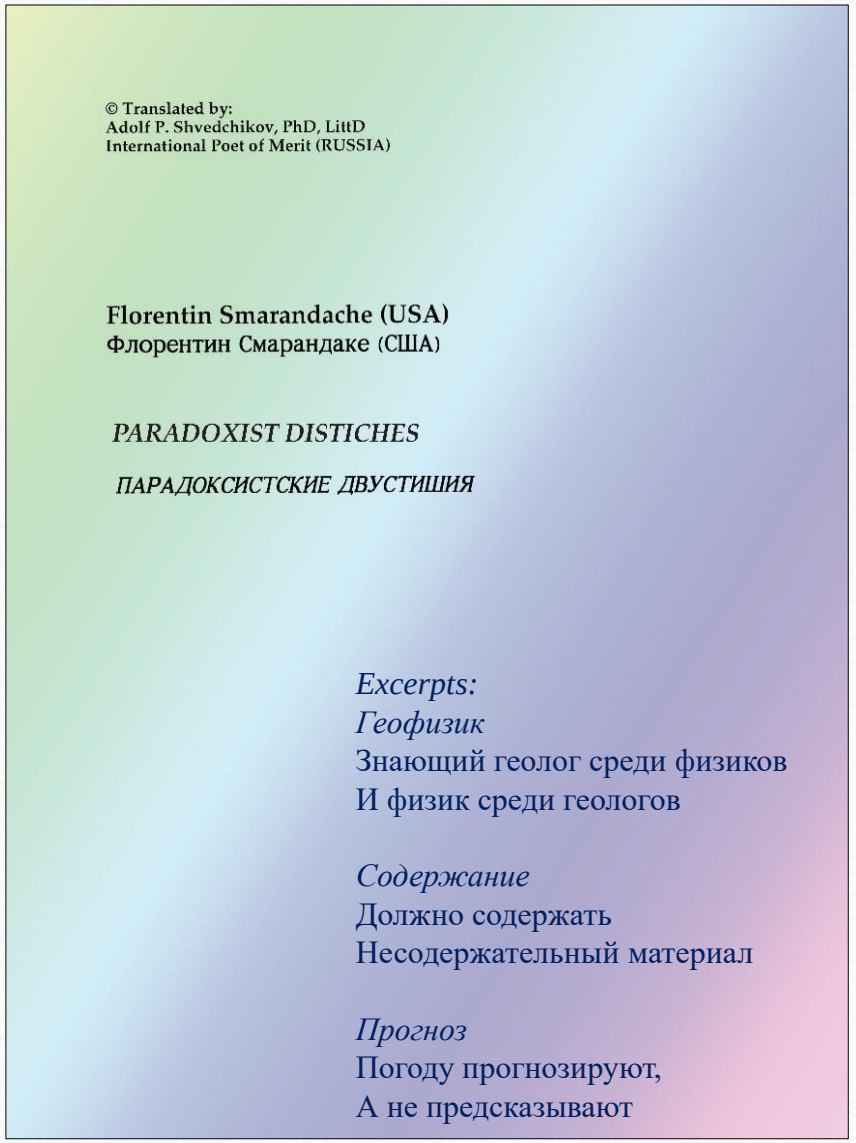
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Наш последний совет, прежде чем вы начнёте читать эту книгу: а) следуйте этим советам на своИ страх и риск. буправлять вашей внешней собакой гораздо легче, чем той "собакой ll или зверем, который сидит внутри вас, в) не берите с собой собаку на службу , если вы не до конца уверены, что собака на вашей стороне. Множество примеров "Искусства лая" могут быть найдены самими читателями, адаптированными к тем культурам, в которые они вписываются, Гтому что не во всех культурах имеет место одинаковое отношение к собакам.

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http://fs.unm.edu/IskusstvoLaya.pdf





Florentin Smarandache: **Парадоксистские Двустишия**. *Translated from English into Russian by Adolf Shvedchikov*. Ann Arbor, MI, USA: Automaton, 2010, 87 p.

Keywords: Paradoxism, Antitheses, Antinomies, Contradictions, Nonsense, Paraphrases, Paradoxes, Sketches, Proverbs, Distiches, Paradoxist Poetry.

Founder of Paradoxism in 1980's as a protest against totalitarianism, in which he organically connects heterogenic elements from the knowledge fields, Florentin Smarandache proposes a new species of poetry; paradoxist distich, is a two-line lyric, in which the two verses are antithetic to each other, but together combine in a whole defining (or making connection with) the title. Many poems, from this volume (completely different in form and content from what was written until now),collected and processed from the folklore, or created, are memorable indeed: ATHEIST // Faithful / In his lack of faith. SOLUTION // It is done ? Can't do this (!) JET PLANE // So smoothly flying... / As if it stays put.

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Dan Ţopa

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Gheorghe Niculescu, Florentin Smarandache: **Congruențe paradoxiste**. Vulcan, Romania: Realitatea Românească, 2011, 104 p.

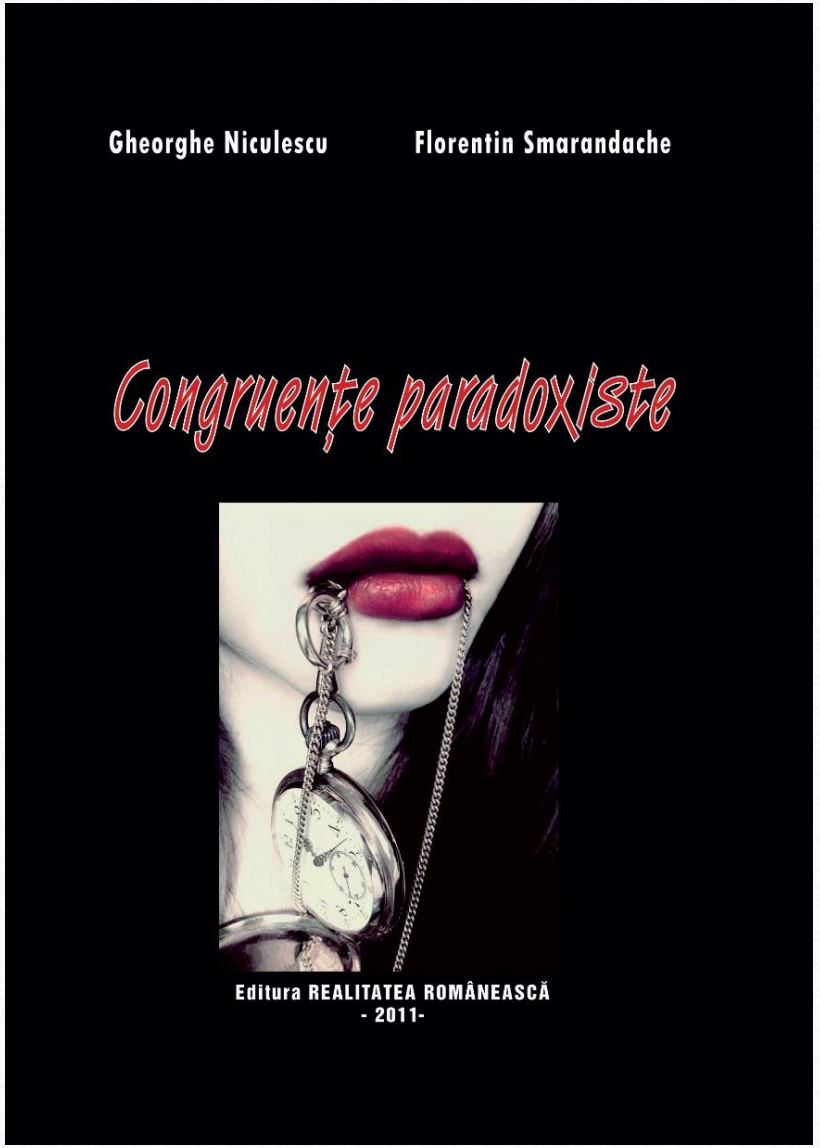
Keywords: Paradoxism, Antitheses, Antinomies, Contradictions, Nonsense, Paraphrases, Paradoxes, Sketches, Proverbs, Distiches, Paradoxist Poetry, Comical Dialogues, Dictionary.

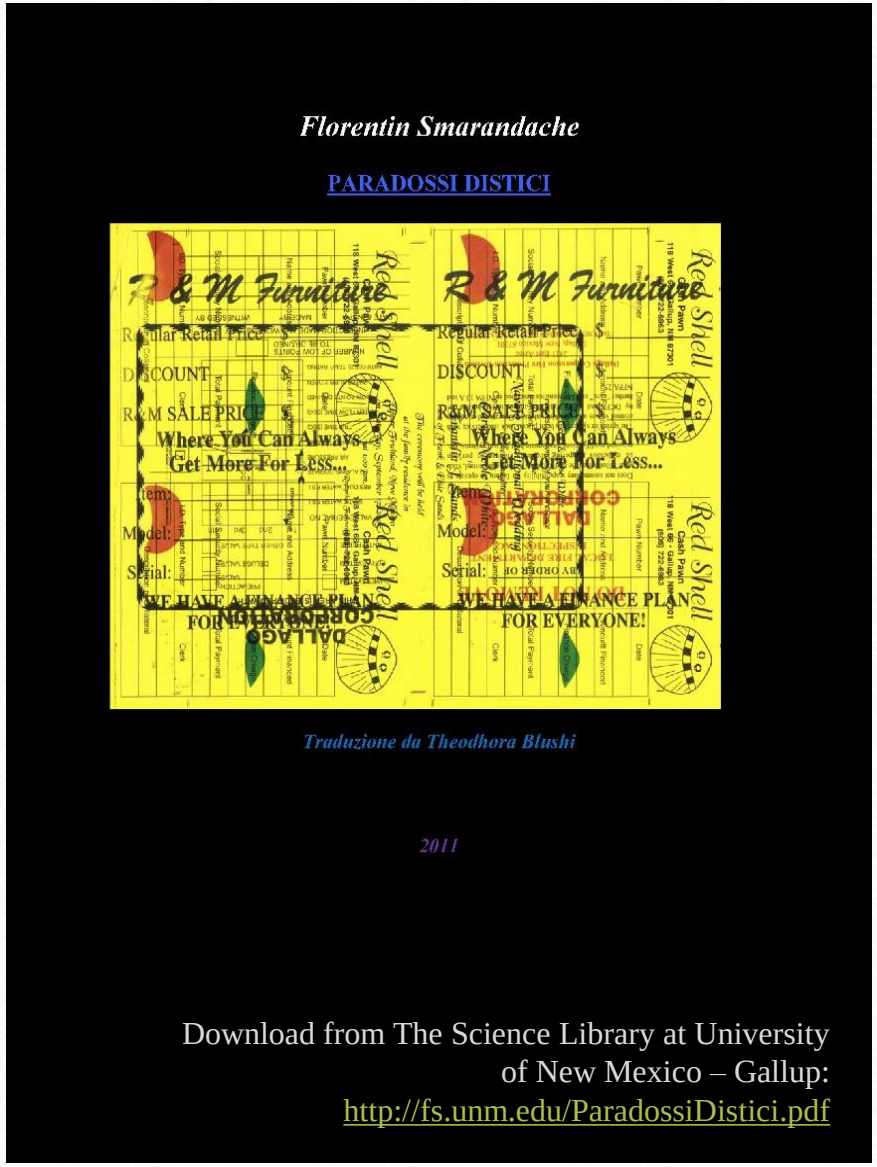
Florentin Smarandache set up the paradoxism in 1980s and applied it in science and philosophy. This volume of experimental literature, based on paradoxism, is structured in the following chapters: Outlined Sketches, Proverbial Distiches, Paradoxist Poetry, Comical Dialogues, Paradoxist Dictionary.

Excerpts:

• Eşti liber să crezi că eşti liber.
• Depinde de tine cât de independent vrei să fii.
• A ieşit basma curată, deşi era cu musca pe căciulă.
• Călăii au fost lăsaţi să judece după cum îi taie capul.
• Ortopedului îi plăcea să pună osul la treabă.
• Nituitorul avea cam multă bătaie de cap.
• Era moartă după cel care tocmai decedase.
• După ce moare încrederea şi optimismul, urmează speranţa.
• Stăteau spate-n spate şi făceau feţe, feţe.
• Lui Nazarie i s-a năzărit că zăreşte ceva în zare.
• Eu cu fizica, el cu metafizica şi ea cu fizicul.
• Pe unul îl înşelau speranţele, iar pe celălalt îl înşela soţia.
• L-am amăgit că mă dezamăgeşte.

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http://fs.unm.edu/CongruenteParadoxiste.pdf





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http://fs.unm.edu/ParadossiDistici.pdf

Florentin Smarandache: **Paradossi Distici**. *Traduzione da Theodhora Blushi*. Milano, Italia: Casa Educativa, 2011, 99 p.

Keywords: Paradoxism, Antitheses, Antinomies, Contradictions, Nonsense, Paraphrases, Paradoxes, Semiparadoxes, Antitesi, Antinomie, Contraddidizioni, Parabole, Differenze, Paradossi.

Il Paradossismo è movimento di avanguardia in letteratura, arte, filosofia, scienza fondato sull'uso eccessivo delle antitesi, antinomie, contraddidizioni, parabole, differenze, paradossi.

Esso è stato fondato e guidato dallo scrittore Florentin Smarandache fin dal 1980, quando disse: lo scopo è un allargamento della sfera artistica attraverso elementi non artistici. Ma specialmente la creazione del contro-tempo, contro-senso. E anche attraverso l'esperimento.

Paradosso distico è una poesia di due righe, in modo che la seconda righa di contrasto con la prima, ma entrambe le line eformano una semantica unitario che definisce il titolo. E 'stata definita e fondata da Florentin Smarandache nel 1998.

SOLUZIONE
Essa e definite
Non puoi farlo

EQUAZIONE
Ogni nota
E 'l'ignoto

SANGUISUGA
Fedele
Nel sua incredulita

MALE FATE
Quanto voglio qualcosa
E succede a un altro

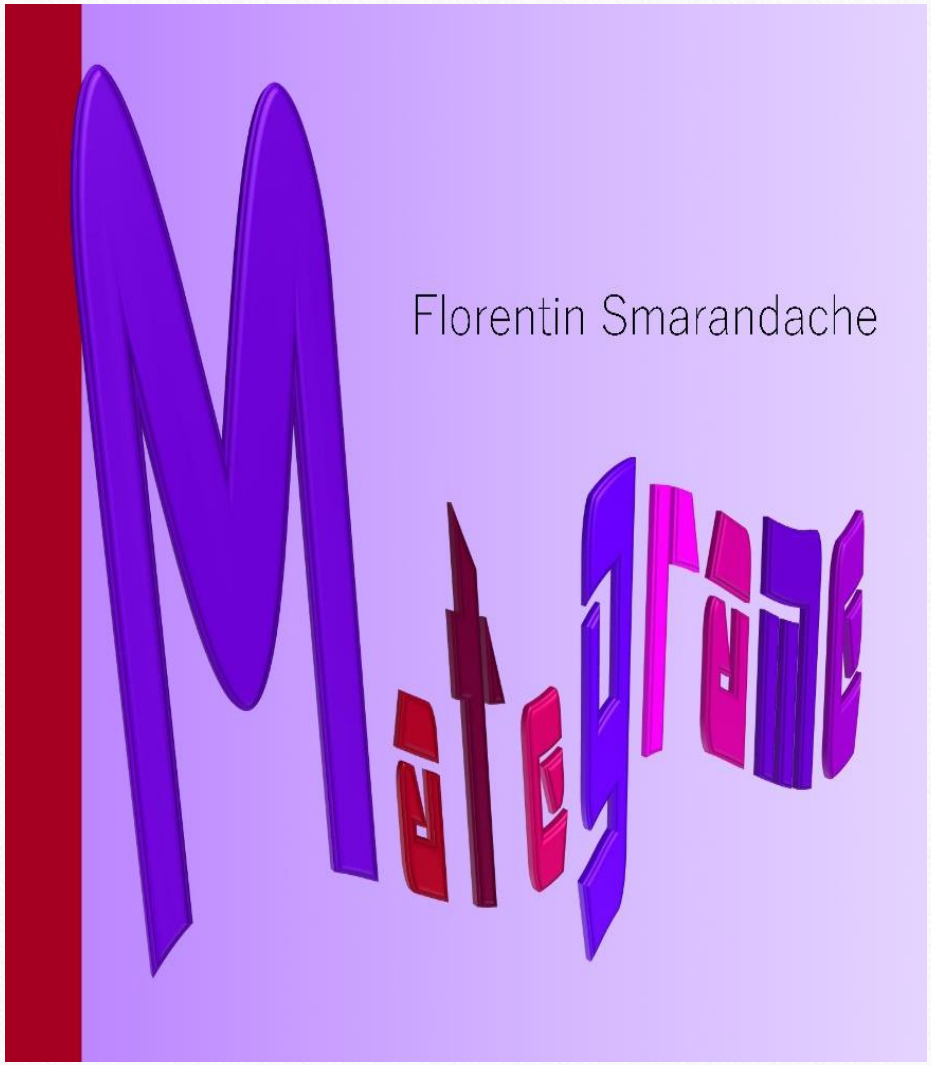
Florentin Smarandache: **Mategrame**. *Aforisme, meditații, exclamații*. Suceava, Romania: Mingir, 2016, 64 p.

Keywords: Anticaligrams, Paradoxism, Geometry, Algebra, Meditations, Poetical Figures.

Mathegrams are thoughts (meditations in counter-time, leavened ideas) that have settled on their own in geometric and / or algebraic matrices, becoming mathematical-poetic figures, a kind of anticaligrams.

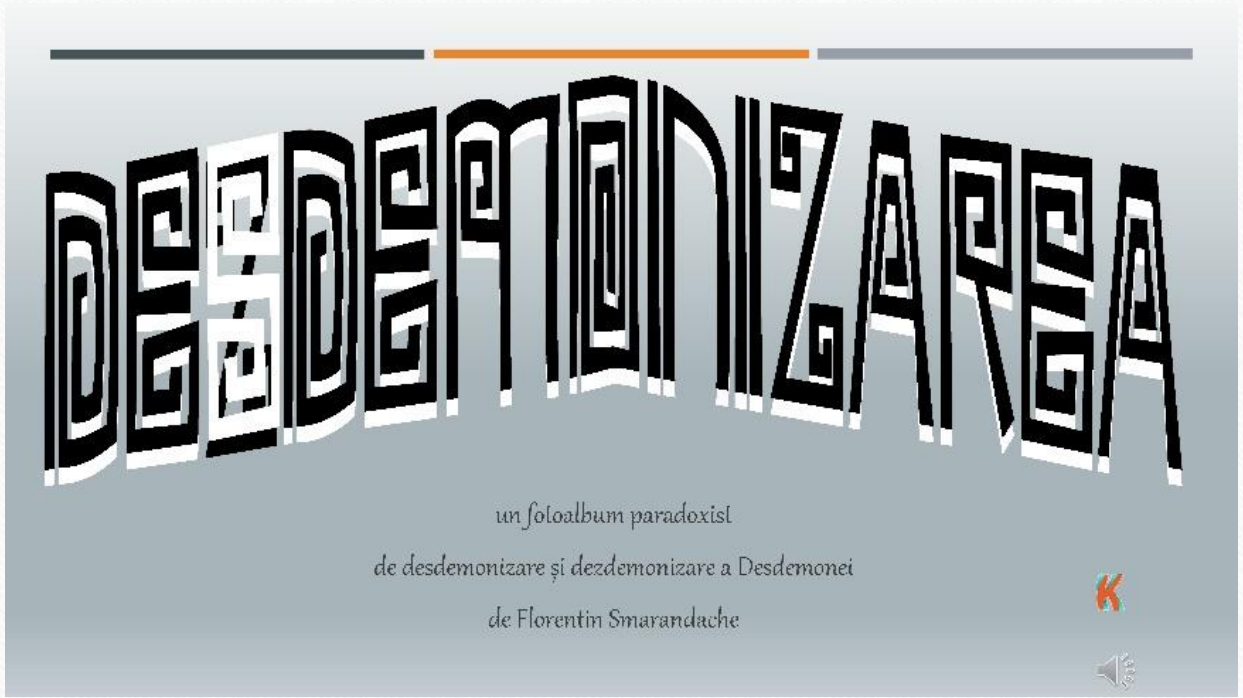
Mategramele sunt gânduri (meditări în contratimp, idei puse la dospit) ce s-au așezat de la sine în matrițe geometrice și/sau algebrice, devenind figuri matematico-poetice, un fel de anticaligrame.

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http://fs.unm.edu/ Mategrame.pdf



Florentin Smarandache: **Deszdemonizarea**. *Un fotoalbum paradoxist de desdemonizare și dezdemonizare a Desdemonei*. Oradea, Romania: Kalendarium, 2020, 80 p.

Keywords: Desdemona, demoni, Caym, Raum, Halphas, Focalor, Bifrons, mitologie românească, paradoxism.



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http://fs.unm.edu/Deszdemonizarea.pdf

Acest fotoalbum paradoxist de desdemonizare și dezdemonizare a Desdemonei conține:

- un inventar al numelor demonilor din Europa occidentală de altădată (așa cum s-au perpetuat spre sfârșit de Ev Mediu), cu sigiliul aferent, preluat tale quale din opera anonimă *Clavicula Salomonis Regis*;
- o scurtă descriere a acestor demoni, așa cum ne-a transmis-o medicul olandez Johann Weyer (1515-1588), ocultist și demonolog, discipol și adept al lui Cornelius Agrippa, cu textul original în latină (fragmentar) și modesta mea traducere românească, poate uneori șchioapă; textul nu a mai fost tradus în românește;
- câte un vers, două sau trei de dezdemonizare din *Malagambele* mele, așa cum au apărut ele în acele din alt veac *Cântece de mahala*, doar că-ntr-o nouă ordine de dezordine;
- o echivalență a fiecărui demon în mitologia populară românească, făcută în joacă, preluând nume de spirite cel mai adesea din *Mitologia română* a lui Romulus Vulcănescu; aceste potriveli nu au nicio pretenție științifică, ci sunt doar libertăți ale minții, uneori bazate pe sonoritatea numelor, alteori pe atribute specifice;
- asocierea unor imagini paradoxiste, obținute prin deformarea unor fotografii din diferite locuri ale globului, din Antarctica până în România, din Pakistan în Canada, din Groenlanda în Vietnam, din Scoția în Coreea de Sud, pe unde autorului i s-a năzărit (retrospectiv) că mai văd câte-un demon, sălășluind prin păduri, pe sub pietre, prin ape, sau metamorfozat în vreo creatură prin Galápagos;
- o listă a demonilor occidentali de altădată și a echivalențelor trăznite din mitologia românească; de asemenea, referințele bibliografice și o prezentare a melodiei care însoțește albumul, ușor remixată, și a compozitorului acesteia, Savk.

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Smarandache's Books

Travel Memoirs

350

Florentin Smarandache: **Belfer în Africa.** *Jurnal marocan.* Nijmegen, Netherlands: Equivalences, 2001, 94 p.

Florentin Smarandache: **Peste mări și țări.** *Jurnal de profesor în Africa. Ediția a doua.* București, România: Perpessicius, 2002, 100 p.

Keywords: Travel, Journal, Morocco, Sefrou, Fès, Nador, Casablanca, Rabat, Călătorii.

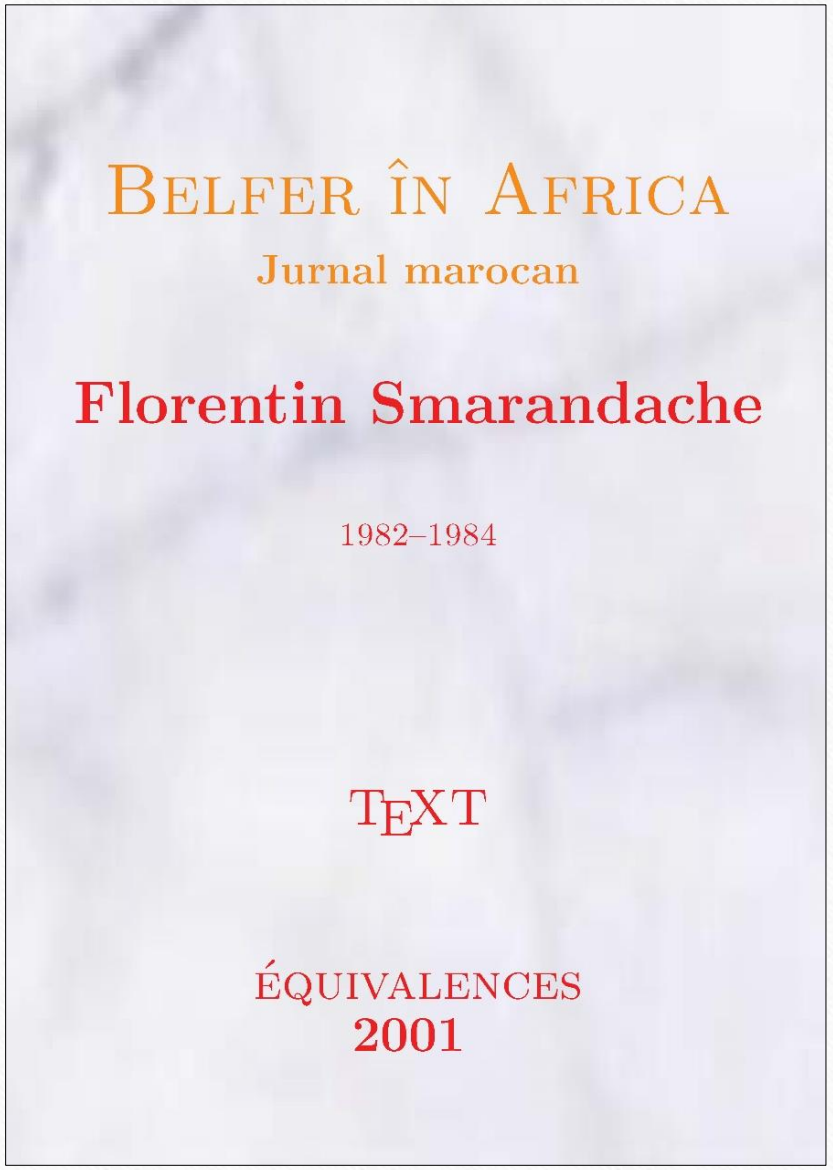
Author's experience as professor of mathematics, teaching in French language, at the Sidi El Hassan Lyoussi College in Sefrou, Morocco, between 1982-1984. His traveling around and relationships with other professors from various nationalities, together with his involvement in training and selecting the Moroccan student team for the 1983 International Olympiad of Mathematics held in Paris, France.

Excerpts:

"Scris în Maroc, în perioada 1982–1984, pe când lucram ca profesor cooperant de matematică, la Lycée Sidi El Hassan Lyoussi din Sefrou, Délégation de Fès, în urma acordurilor de colaborare culturală româno-marocană, carnețelul legat cu sârma spiralată și coperți grena, lucioase, se pierduse în toamna anului 1984."

Florentin Smarandache

Download from The Science Library at University of New Mexico – Gallup:
http://fs.unm.edu/Maroc-Jurnal-Rezus.pdf





Florentin Smarandache: **Frate cu meridianele și paralelele.** *First Volume. Note de călătorie.* Râmnicu Vâlcea, România: Offsetcolor, 2004, 167 p.

Keywords: Travel, Journal, France, Germany, Austria, Australia, China, South Korea, United States of America, Hawaii, Moldova.

Florentin Smarandache's traveling memories to various international scientific conferences in Europe (Paris, Bordeaux, Toulouse, Bergerac, Les Mureaux, München, Amsterdam, Zürich, Györ, Oradea, Braşov, Craiova, Râmnicu Vâlcea, Bucureşti, Chişinău, Odessa, Izmail, Tiraspol) North America (Los Angeles, Albuquerque, New York, Washington, Honolulu) Asia (Beijing, Seoul) and Australia (Sydney, Brisbane, Gold Coast, Cairns, Kuranda).

Excerpts:

"Braţ la braţ cu matematica şi cu poezia, Florentin Smarandache a pus piciorul pe cinci continente, ba chiar şi pe cel subacvatic, călărind o "motocicletă" submersibilă pentru a da piept cu... Marea Barieră de Corali, dovedindu-ne că nu-i doar un vajnic Columb navigator pe Oceanul Paradoxist, ci şi un paradoxal Cousteau!"

Mircea Monu

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Florentin Smarandache: **India magică.** *Note de călătorie.* Râmnicu Vâlcea, România: Offsetcolor, 2005, 89 p.

Keywords: Travel, Journal, India, Taj Mahal, Ghandi, Jama Masjid, Orccha, Jhansi, Bahai.

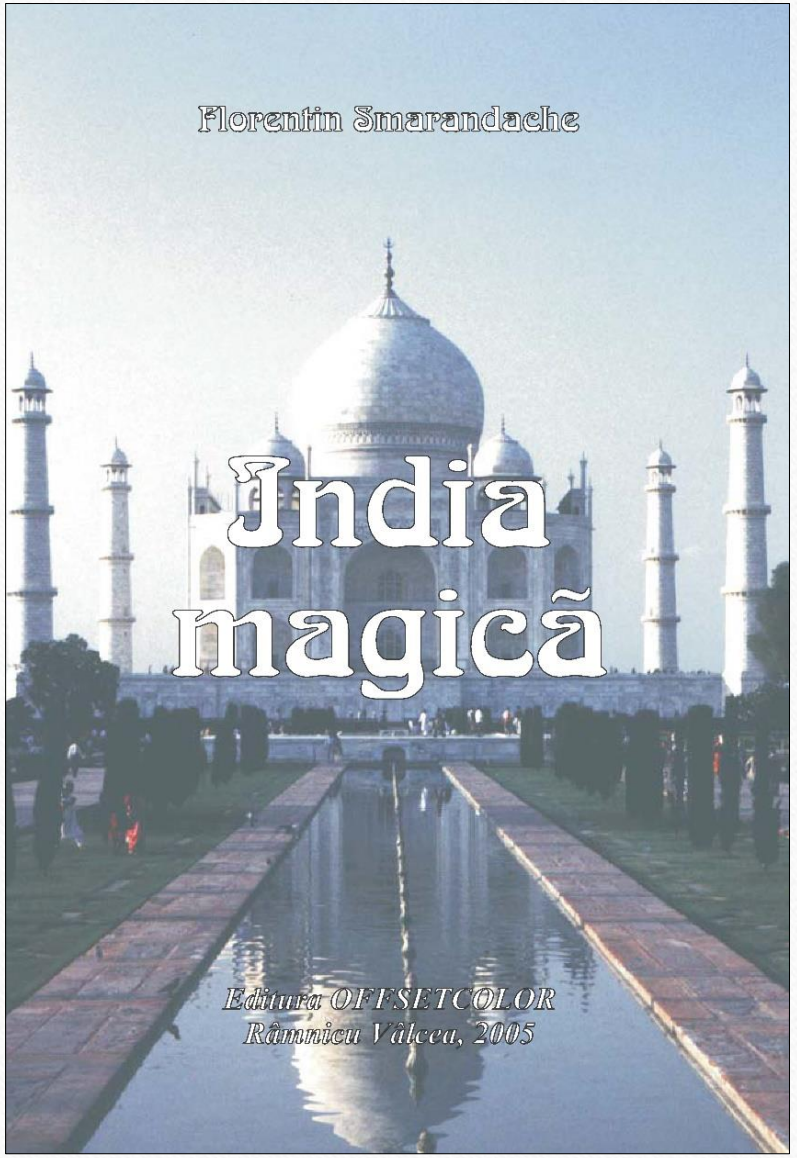
This book describes author's travel to India at Jadavpur University in Kolkata as invited speaker on neutrosophic logic/set (generalizations of fuzzy logic and respectively fuzzy set) and their applications to finance, business, situation analysis, economics. Also the book contains descriptions of museums, Hindu and Sikh temples, mosques, cathedrals, meetings with Indian University Professors and researchers in Delhi, Agra and Kolkata.

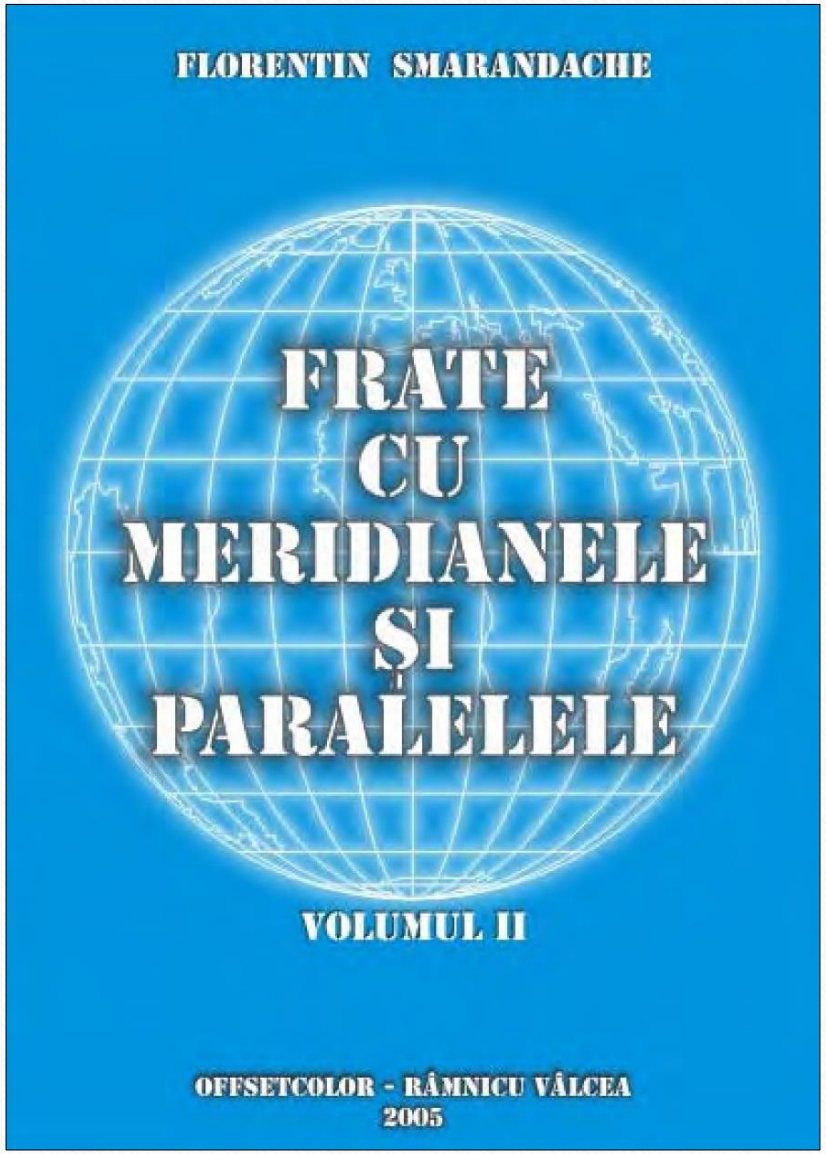
Excerpts:

"… în urechi parcă mai auzeam, răsunând în timpane, un cântec de când eram copil, fermecat de culoarea filmelor indiene: Murmurkina de murmurki, / Murmurkina de murmurki, şi această magică ţară."

Florentin Smarandache

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http://fs.unm.edu/IndiaMagica.pdf





Florentin Smarandache: **Frate cu meridianele și paralelele.** *Second Volume. Note de călătorie.* Râmnicu Vâlcea, România: Offsetcolor, 2005, 170 p.

Keywords: Travel, Journal, New Mexico, Las Vegas, Los Angeles, New York, Bloomburg, Tucson, Las Cruces, Corpus Christi, Austin, Colorado, Albuquerque, Navajo, Londra, Timişoara, Uzdin, Novi Sad, Hawaii, Berkeley, Milano, Stockholm.

Florentin Smarandache's tourist traveling and attendance of various scientific international conferences and seminars as invited speaker: at University of Berkeley, University of Texas at Austin, Pima Community College, NASA Langley Research Center, Fusion international conferences, etc.

Excerpts:

"Am devenit un robot: după ore în maşină, alerg pe autostrăzi, program după program, minuţios, îl urmez cât pot de bine, mereu ocupat, obosit, cu mintea la probleme, rezolvări – dar îmi place situaţia. Simt că merg cu motoarele în plin."

Florentin Smarandache

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http://fs.unm.edu/Frate2.pdf

Florentin Smarandache: **Mama vitregă Rusia.** *Note de călătorie.*
Râmnicu Vâlcea, România: Offsetcolor, 2006, 124 p.

Keywords: Travel, Journal, Russia, Moscow, Sankt Petersburg, Pushchino, Neutrosophics.

This is a memory book by Florentin Smarandache who was as invited speaker at Institute of Theoretical and Experimental Biophysics from Pushchino near Moscow, where he talked about neutrosophic logic/set/probability (which are generalizations of fuzzy logic/set and respectively imprecise probability) and their applications.

He met many Russian scientists such as Dmitri Rabounski, Larissa Borissova, Boris Levin, Victor Pantcheliouga, Simon Shnoll, Valeri Kolombet, Tatiana Zencenko, Victor Morozov, etc. and doctoral students.

Besides his scientific activity the author visited and wrote about Russian museums, culture, history and politics, palaces and exhibitions of arts in Moscow and Sankt Petersburg.

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http://fs.unm.edu/MamaVitregaRusia.pdf





Florentin Smarandache: **Frate cu meridianele și paralelele**. *Third Volume. Note de călătorie.* Râmnicu Vâlcea, România: Offsetcolor, 2006, 190 p.

Keywords: Travel, Journal, Bulgaria, Fusion 2005 International Conference, Philadelphia, Marcus Evans European Conference on Sensors' Fusion, Barcelona, Spain, Aztec pyramids, Maya pyramids, Ciudad de Mexico, Yucatan Peninsula.

Author's attendance of various scientific international conferences and seminars as invited speaker: at NATO Advance Study Institute in Albena (Bulgaria), Fusion 2005 International Conference in Philadelphia (USA), Marcus Evans European Conference on Sensors' Fusion in Barcelona (Spain), and tourist visiting and documenting about Aztec and Maya pyramids near Ciudad de Mexico and Yucatan Peninsula.

Participarea autorului la diferite conferințe și seminarii internaționale științifice, invitat conferențiar: la NATO Advance Study Institute în Albena (Bulgaria), Fusion 2005 International Conference în Philadelphia (SUA), Marcus Evans European Conference on Sensors Fusion la Barcelona (Spania) și vizitarea și documentarea despre piramidele aztece și mayașe lângă Ciudad de Mexico și Peninsula Yucatan.

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http://fs.unm.edu/Frate3.pdf

Florentin Smarandache: **Exotica și cutremurătoarea Indonezie.** Râmnicu Vâlcea, România: Offsetcolor, 2007, 122 p.

Keywords: Travel, Journal, Indonesia, Jakarta, Malang, Salatiga, Qigong.

The author describes his traveling to Indonesia as invited speaker at STIKI University in Malang and at Kristen Satya Wacana University in Salatiga on Neutrosophic Logic/Set (generalizations of fuzzy logic and respectively fuzzy set) and their applications to finance, business, situation analysis, economics, and also on Dezert-Smarandache Theory applied to medicine, military, robotics. The book contains photos and descriptions of museums, churches, Hindu and Buddhist temples, mosques and cathedrals that the author visited.

Autorul descrie călătoria sa în Indonezia ca vorbitor invitat la Universitatea STIKI din Malang și la Universitatea Kristen Satya Wacana din Salatiga despre Neutrosophic Logic / Set (generalizări ale logicii fuzzy și, respectiv, fuzzy set) și aplicațiile lor pentru finanțe, afaceri, analiza situației, economie și, de asemenea, despre Teoria Dezert-Smarandache aplicată la medicină, militară, robotică. Cartea conține fotografii și descrieri de muzee, biserici, temple hinduse și budiste, moschei și catedrale pe care autorul le-a vizitat.

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http://fs.unm.edu/Indonezia.pdf





Florentin Smarandache: **Frate cu meridianele și paralelele**. *Fourth Volume. Note de călătorie*. Rm. Valcea, Romania: Offsetcolor, 2008, 260 p.

Keywords: Travel, Journal, Brasil, Italy, Greece, Peru, Bolivia, Pelé, Florence, Venice, Pisa, Inca.

Traveling memories and author's participation to some international conferences of applied mathematics to USA, Brazil, Italy, Greece, Peru, Bolivia.

Notații de călătorie și participarea autorului la câteva conferințe internaționale de matematică aplicată în SUA, Brazilia, Italia, Grecia, Peru, Bolivia.

Excerpts:

"Istoria artelor, literelor, ştiinţelor, trebuie rescrisă, luându-se în considerare şi creaţiile popoarelor mici, supuse, umilite, nu doar creaţiile reprezentanţilor Marilor Puteri."

"The history of arts, letters, sciences must be rewritten, taking into account the creations of small, submissive, humiliated nations, not only the creations of the representatives of the Great Powers."

Florentin Smarandache

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Florentin Smarandache: **Frate cu meridianele şi paralelele**. *Sixth Volume. Note de călătorie*. Rm. Vâlcea, Romania: Silviana, 2010, 221 p.

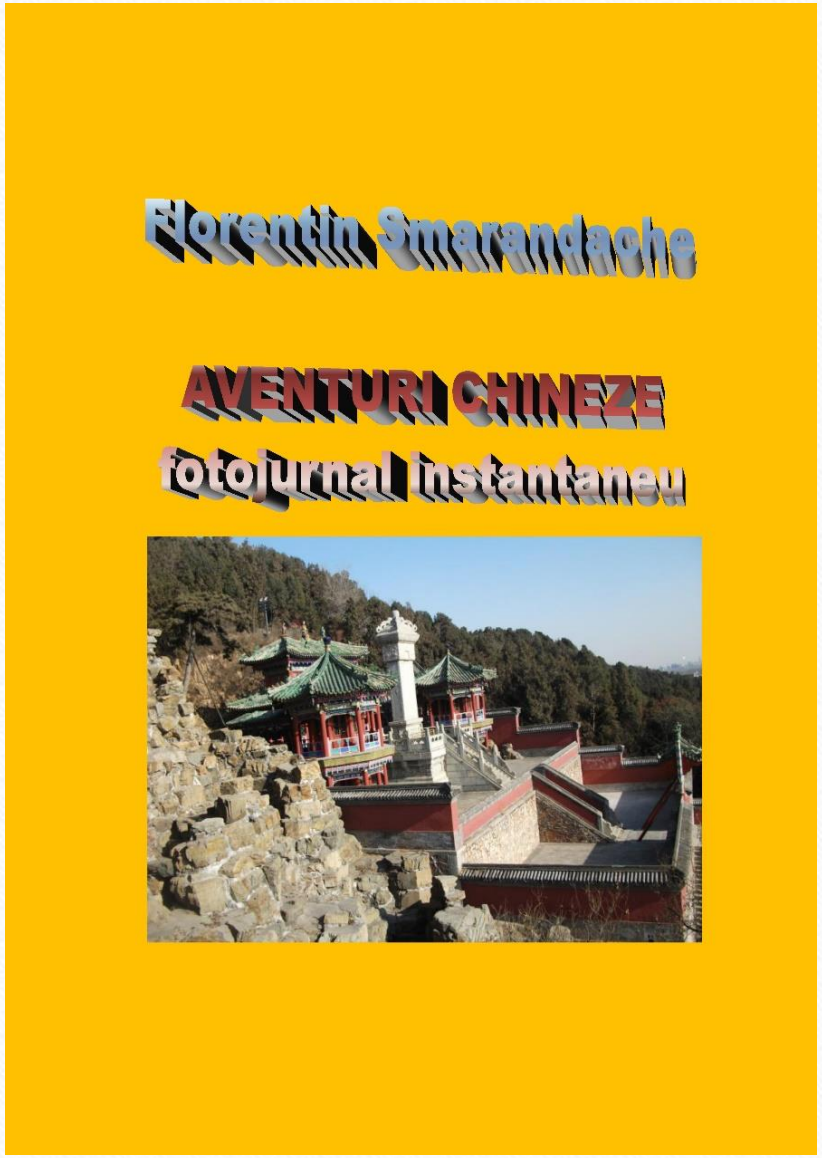
Keywords: Travel, Journal, Dayton, Ohio, Rome, New York, Paris, COGIS International Conference, Stanwix Fort, Niagara Falls, Alaska, Yellowstone, New Mexico, Bălcești, Romania, Jamaica.

This volume, in a series of six volumes, includes author's traveling memories from various international conferences of applied mathematics where he presented papers or from many institutions where he was invited speaker about his scientific research, such as the Air Force Institute of Technology in Dayton (Ohio), Air Force Research Lab in Rome – New York State, Paris (COGIS International Conference, 2009), as well as cultural visits to Stanwix Fort, Niagara Falls, Alaska, Yellowstone, New Mexico, his native town Bălceşti (Romania), and Jamaica.

Acest volum, al șaselea al seriei, include amintiri de călătorie ale autorului de la diferite conferințe internaționale de matematică aplicată unde a prezentat lucrări sau de la multe instituții unde a fost invitat să vorbească despre cercetările sale științifice, cum ar fi Institutul de Tehnologie al Forțelor Aeriene din Dayton (Ohio), Laboratorul de Cercetare a Forțelor Aeriene din Roma - New York State, Paris (COGIS International Conference, 2009), precum și vizite culturale la Fortul Stanwix, Cascada Niagara, Alaska, Yellowstone, New Mexico, orașul său natal Bălcești (România) sau Jamaica.

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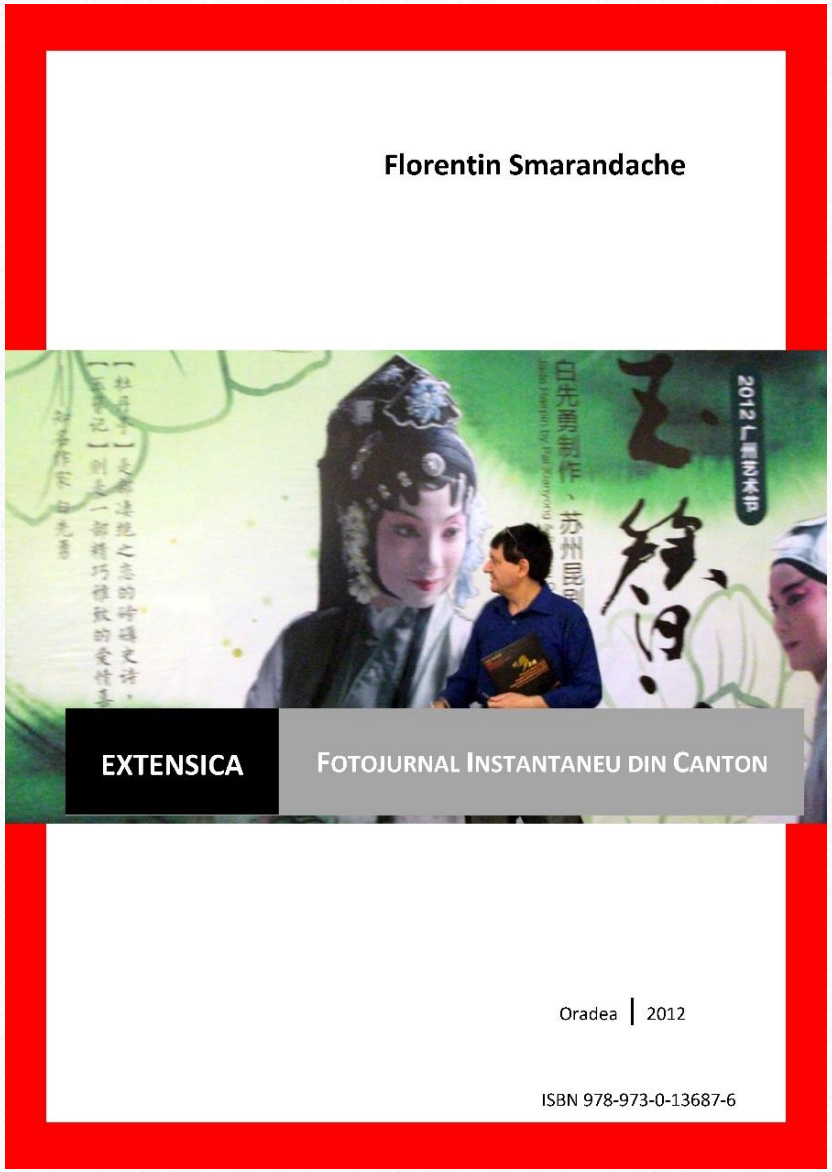
Florentin Smarandache: **Aventuri chineze.** *Fotojurnal instantaneu din China*. Craiova, România: Sitech, 2012, 93 p.

Keywords: Travel, Journal, International Conference on Granular Computing, National University of Kaohsiung, Taiwan, China.

"Chinese Adventures" is a book written about an IEEE International Conference on Granular Computing, hold in Taiwan between 4-11 November 2011 at the National University of Kaohsiung, and a scientific tour organized by the author, in the period 11 December 2011 – 6 January 2012, in four cities of China: Beijing, Xi'an, Shanghai, and Hangzhou. Florentin Smarandache was awarded the title of Professor Adjunct (equivalent to Doctor Honoris Causa) of Beijing Jiaotong University in December 2011. Florentin Smarandache has launched a new literary-artistic genre, adapted to today's in-harry reader and writer, named: INSTANTANEOUS PHOTODIARY based on abundance of images related to the text, in addition to a direct, fast and at the first hand writing just on the visiting place, with few verbs and short and rush expressions.

„Aventuri chineze" este o carte despre o Conferinţă Internaţională IEEE de Calcul Granular din Taiwan (la Universitatea Naţională din oraşul sudic Kaohsiung), între 4-11 noiembrie 2011, plus un tur ştiinţific desfăşurat de către autor în perioada 11 decembrie 2011 – 6 ianuarie 2012 în patru oraşe din China: Beijing, Xi'an, Shanghai, şi Hangzhou. Stilul lapidar, fotografic (la propriu şi la figurat) din celelalte jurnale şi memorii turistice se menţine. Ritmuri alerte, supraluminale, fraze scurte.

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Florentin Smarandache: **Extensica.** *Fotojurnal instantaneu din Canton.* Oradea, România: Adsumus, 2012, 171 p.

Keywords: Travel, Journal, Extenics, China, Cai Wen, Guangdong University of Technology, Guangzhou.

Extenics is a science of solving contradictory problems in many fields, set up by Professor Dr. Cai Wen in 1983. This is a book of memories from the Summer 2012 when the author was employed as a research professor at the Guangdong University of Technology, Institute of Extenics and Innovation Methods, from Guangzhou city, in south China. He wrote a scientific book on extenics at that time and this diary illustrated with photos. In 2004 he has lanced a new memory style: the instantaneous photodiary, i.e. writing memories just on the visit place and time and include as many photos as possible for today's in hurry readers. He also participated to an international conference on Information Fusion in Singapore where he presented three papers of applied mathematics in Information Fusion.

Această carte, despre sudul Chinei, continuă noul gen literar-artistic lansat de Florentin Smarandache în 2004, numit fotojurnal instantaneu, adaptat cerinţelor cititorului şi scriitorului contemporan grăbit, bazat pe abundenţa de imagini corespunzătoare textului, plus scrierea directă, rapidă, la prima mână, pe locul vizitei, cu verbe puţine, şi exprimări scurte, neşlefuite.

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Florentin Smarandache: **Prin bătrâna Europă.** *Fotojurnal instantaneu. Ediţia a doua, revăzută şi adăugită.* Brussels, Belgium: EuropaNova, 2012, 186 p.

Keywords: Travel, Journal, Europe, fotojurnal instantaneu, France, England, Scotland, Hungary.



The authors describes his experience as a mathematical researcher in France at ENSIETA in the Summer of 2010, also his Telesio-Galilei Academy Gold Medal for science at the University of Pecs, Hungary, in June 2010, and his presentations at Edinburgh, Scotland, in July 2010, at the International Conference on Information Fusion.

Cartea de faţă se citeşte nu doar uşor, ci şi cu încântare, datorită stilului paradoxist, înnoit prin fotojurnal instantaneu, fiind departe de ceea ce la o frunzărire superficială ar putea părea, unora: doar nişte cuvinte şi fotografii, culese din călătorii. Citite pe îndelete, constaţi că nu sunt simple cuvinte culese din călătorii, că nu sunt nu doar cuvintele ce descriu prima impresie, frapantă, a unui voiaj, ci cuvintele care descriu ceea ce rămâne în amintirile călătorului despre o călătorie. Conceptul de fotojurnal instantaneu este realizat cel mai bine în prima parte a cărţii, referitoare la Brest (Franţa) şi la Pécs (Ungaria), unde autorul a lucrat în cadrul unui contract de cercetare (la Brest) şi, respectiv, a participat la o festivitate de înmânare a premiilor ştiinţifice ale organizaţiei neguvernamentale internaţionale Academia de Ştiinţe „Telesio-Galilei”. În partea pur turistică a cărţii, din Paris, Londra şi Edinburg, oraşe-muzeu pline de muzee, autorul a dat totuşi prioritate transmiterii clasice a informaţiei – prin cuvinte.

Mircea Monu

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Florentin Smarandache: **Pura Vida.** *Fotojurnal instantaneu din Nicaragua, Costa Rica, Panama.* Craiova, România: Sitech, 2012, 102 p.

Keywords: Travel, Journal, Nicaragua, Costa Rica, Panama, fotojurnal instantaneu, călătorie.

Excerpts:

"De ce fotojurnal? Fiindcă suprafaţa pozelor se-ntinde aproape la jumătate sau mai mult din întreg volumul! Răsfoitorii acestei cărţi măcar vor privi ilustraţiile colorate din CentroAmerica, iar pe lângă imagini vor citi cel puţin câteva rânduri edificatoare... Fiindcă nimeni astăzi nu mai are timp!

De ce instantaneu? Pentru că jurnalul e scris la primă mână, pe locul vizitat, cu idei scurte ca nişte blitz-uri, cu economie de cuvinte – în această lume în care vremea trece rapid. Memorialistică fără retuşări. Viaţă brută. Fraze scurte şi simple, fără multe verbe. Vizitez din mers. Fotografiez din mers. Mănânc din mers. Trăiesc din mers. Grăbit, instantaneu, mereu nemulţumit, mereu căutând.

Pura Vida (am întâlnit şi sintagma *Vida Pura*) înseamnă viaţă pură în societătile hispanice, iar popular expresia semnifică: traiul foarte bun."

Florentin Smarandache

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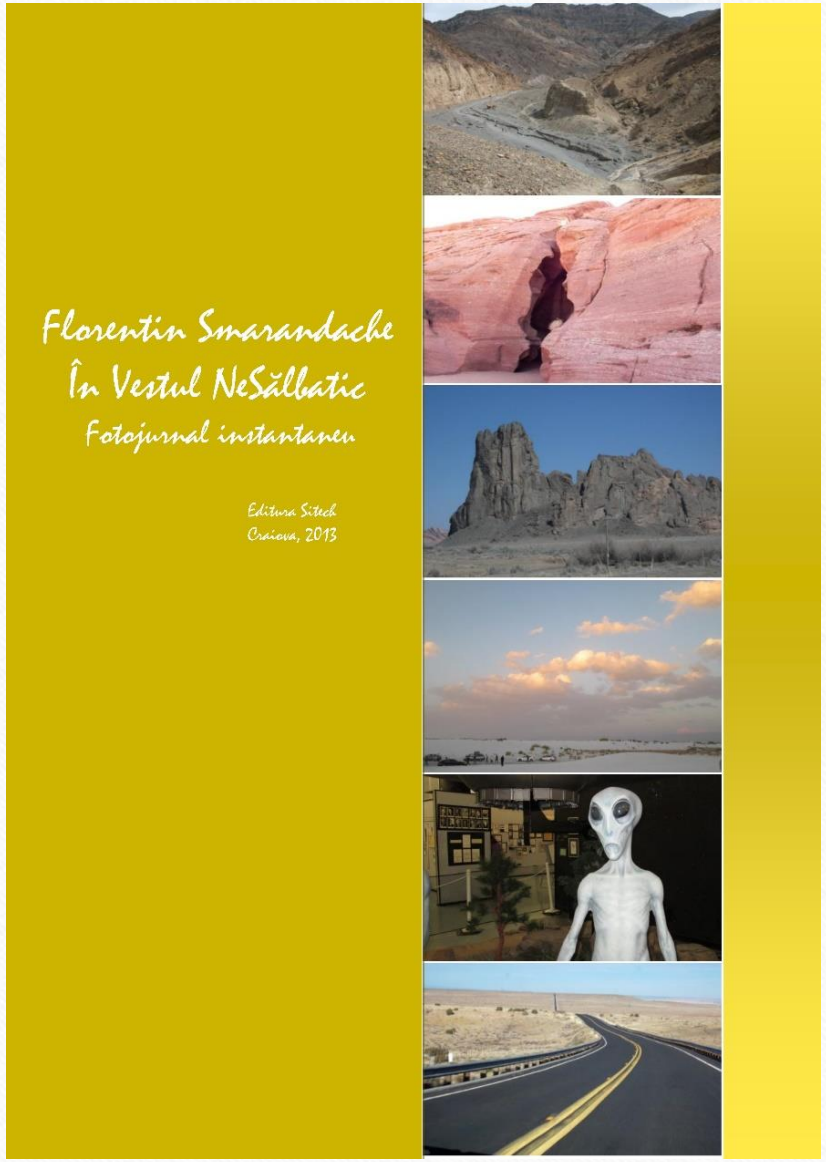
Florentin Smarandache: **În Vestul NeSălbatic.** *Fotojurnal instantaneu.* Craiova, România: Sitech, 2013, 128 p.

Keywords: Travel, Journal, United States, South-West, New Mexico Book Co-op, Los Ranchos, Paul Rhetts, Barbara Awelt, fotojurnal instantaneu, călătorie.

Florentin Smarandache a lansat, în 2004, un nou gen literar-artistic, adaptat cerinţelor cititorului de azi, dar şi scriitorului contemporan grăbit: fotojurnalul instantaneu, bazat pe abundenţa de imagini corespunzătoare textului, plus scrierea directă, rapidă, la prima mână, pe locul vizitei, cu verbe puţine şi exprimări scurte, neşlefuite. În această carte, autorul prezintă călătoriile sale recente prin vestul Statelor Unite ale Americii (Dixie National Forest, Glenn Canyon, Bryce Canyon, Escalante, Navajo Lake, El Morro, Utah, New Mexico, Albuquerque, Gallup, Ganado, Keams Canyon, Taylor Mountain, Grants, Cabezon Peak, Redondo Peak, Sandia Peak, Valle Grande etc.).

Florentin Smarandache launched, in 2004, a new literary-artistic genre, adapted to the requirements of today's reader, but also to the hurried contemporary writer: the instant photojournal, based on the abundance of images corresponding to the text, plus direct, fast writing, first hand, on the spot visit, with few verbs and short, unpolished expressions. In this book, the author presents his recent travels through the Western United States (Dixie National Forest, Glenn Canyon, Bryce Canyon, Escalante, Navajo Lake, El Morro, Utah, New Mexico, Albuquerque, Gallup, Ganado, Keams Canyon, Taylor Mountain). , Grants, Cabezon Peak, Redondo Peak, Sandia Peak, Valle Grande, and so on).

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Florentin Smarandache

Din Amazonia în Pampas

(fotojurnal instantaneu)

Florentin Smarandache: **Din Amazonia în Pampas.** *Fotojurnal instantaneu din Brazilia şi Argentina*. Oradea, România & Brussels, Belgium: AdSumus & EuropaNova, 2014, 99 p.

Keywords: Travel, Journal, Amazonia, Rio de Janeiro, Sao Paolo, Iguassu waterfalls, Buenos Aires, fotojurnal instantaneu, călătorie.

Fotojurnalul instantaneu "Din Amazonia în Pampas" relatează o excursie culturală pe ruta: Manaus – Rio de Janeiro – Sao Paolo – Cascadele Iguassu, Sao Paolo – Buenos Aires.

The instant photojournal "From the Amazon to the Pampas" reports a cultural trip on the route: Manaus - Rio de Janeiro - Sao Paolo - Iguassu Falls, Sao Paolo - Buenos Aires.

Excerpts:

"Să iau pulsul vieţii. Să intru în vorbă cu omul obişnuit. Să bat trotuarele ori să stau la o terasă privind trecătorii.
Turismul ca un *modus vivendi*. Ca o adaptare continuă.
Ca o aventură culturală.
- Cum a fost vacanţa? M-a întrebat un prieten.
- Prea scurtă!"

Florentin Smarandache

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Florentin Smarandache: **Frate cu meridianele și paralele**. *Seventh Volume*. *Note de călătorie*. Oradea, Romania: Duran's, 2014, 109 p.

Keywords: Travel, Journal, Traian Vuia Award, Romanian Academy, Columbus, Ohio, Arizona, New Mexico, Romania, Extenics, China.

Volumul cuprinde călătoriile autorului în perioada 2011-2013 la Bucureşti pentru a primi Premiul „Traian Vuia" al Academiei Române, apoi la o conferinţă în Columbus (Ohio), mini-excursii în deşertul din Arizona şi New Mexico, relatarea teribilului său accident de maşină pe autostradă în care putea să-şi piardă viaţa, apoi în România cu o delegaţie de profesori chinezi, şi la conferinţele internaţionale din Istanbul şi Beijing. Addenda fotografică dă culoare acestei carţi memorialistice.

This volume includes the author's trips between 2011 and 2013 to Bucharest to receive the "Traian Vuia" Award of the Romanian Academy, then to a conference in Columbus (Ohio), mini-trips in the deserts of Arizona and New Mexico, the story of his terrible car accident on the highway where he could lose his life, then in Romania with a delegation of Chinese teachers, and at international conferences in Istanbul and Beijing. The photographic addendum gives color to this memorial book.

Excerpts:

"M-am mutat de zece ori dintr-un oraş în altul, dar şi în cadrul aceleeaşi urbe dintr-un apartament în altul, în cei 23 de ani de emigrant american. Un veşnic nomad. Cea mai sigură din viaţa mea, această supra-modernă-cibernetizată, ultra-dinamică, schimbătoare ca un fulger – este nesiguranţa. Cel mai adaptat rezistă, nu cel mai bun."

Florentin Smarandache

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Florentin Smarandache: **Frate cu meridianele şi paralele**. *Eight Volume*. *Note de călătorie*. Oradea, Romania & Brussels, Belgium: AdSumus&EuropaNova, 2014, 158 p.

Keywords: Travel, Journal, Muntele Taylor, Arizona, New Mexico, Spain, Madrid, Salamanca, Romania.

Plecat de pe plaiurile Bălceştiului de Olteţ, profesorul şi scriitorul Florentin Smarandache, actualmente universitar în Statele Unite, face parte din acea categorie a personalităţilor complexe, neliniştite, însetate de cunoaştere şi de adevăr, aflat tot timpul pe un drum care nu se va termina niciodată, al căutării absolutului şi al căutării de sine, al creaţiei şi descoperirii.

Leaving the lands of Bălceşti of Olteţ, professor and writer Florentin Smarandache, currently professor at university in the United States, is part of that category of complex, restless personalities, thirsty for knowledge and truth, always on a path that will never end, of the search for the absolute and of the search for the self, of creation and discovery.

Ștefan Dumitrescu

Volumul cuprinde călătoriile autorului în perioada 2013-2014 în Arizona şi New Mexico (Statele Unite ale Americii), la conferinţe ştiinţifice în Madrid și Salamanca (Spania), iar apoi la familie, prieteni şi colaboratori din România. O addenda fotografică completează jurnalul.

This volume includes the author's travels in 2013-2014 in Arizona and New Mexico (United States of America), at scientific conferences in Madrid and Salamanca (Spain), and then with family, friends and collaborators in Romania. A photo addendum completes the diary.

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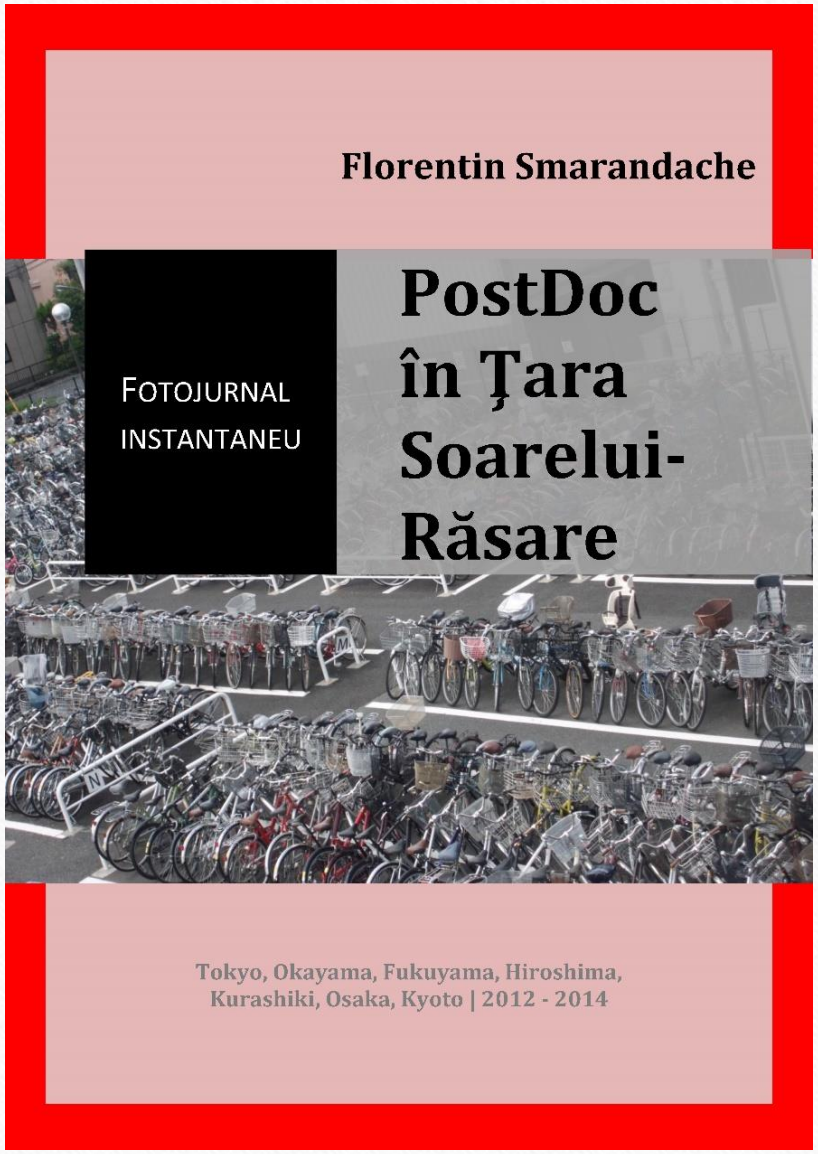
Florentin Smarandache: **PostDoc în Ţara Soarelui-Răsare.** *Fotojurnal instantaneu*. Oradea, România: Duran's, 2014, 153 p.

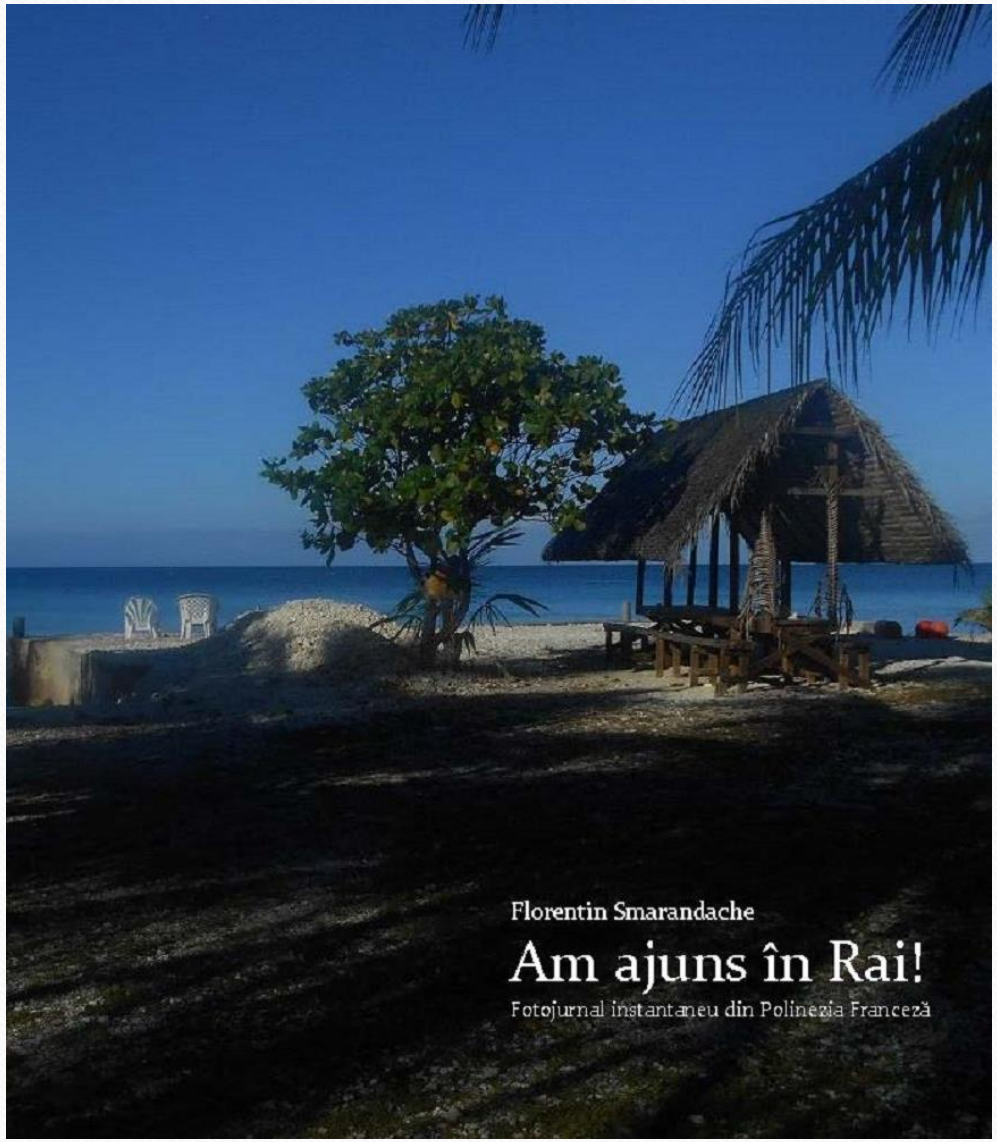
Keywords: Travel, Journal, Japan, Tokyo, Okayama, Fukuyama, Hiroshima, Kurashiki, Osaka, Kyoto, fotojurnal instantaneu, călătorie, Neutrosophic Logic, Neutrosophic Set, Dezert-Smarandache Theory, α-Discounting Method in Multi-Criteria Decision-Making.

In this book, Professor Florentin Smarandache, Ph D, from the University of New Mexico (United States) describes his postdoctoral scientific studies and researches in mathematics, and several international seminars and a conference attended in 2012-2014, in Japan. At the International Conference on Mechatronics, organized by the Tokyo University of Agriculture and Technology in September 2012, as well as at the seminars held at the Okayama University of Science, respectively at the Osaka University (2013-2014), the author has presented articles on Neutrosophic Logic and Neutrosophic Set, Dezert-Smarandache Theory, and α-Discounting Method in Multi-Criteria Decision-Making, together with their applications to mobile robots.

In addition to his scientific work, the author visited Nippon museums, temples, medieval castles and gardens, in several cities (Tokyo, Okayama, Fukuyama, Hiroshima, Kurashiki, Osaka and Kyoto), and worked with Japanese professors, researchers and students of these three universities in writing scientific articles and books.

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Florentin Smarandache: **Am ajuns în Rai!** *Fotojurnal instantaneu din Polinezia Franceză*. Oradea, România: Ferestre, 2015, 100 p.

Keywords: Travel, Journal, French Polynesia, Tahiti, fotojurnal instantaneu, călătorie.

Excerpts:

"Am notat în jurnalul polinezian tot timpul, în avioane, în aeroporturi, în mașină, în autobuze, în pirogă, seara la hotel, ziua prin parcuri, în incinta muzeelor, prin restaurante, mergând pe stradă, după cum observam ceva interesant sau îmi venea vreo idee.

Parodiindu-l pe Marcel Proust, aș zice: *à la recherche du temps futur* [în căutarea timpului viitor]: de aceea călătoresc."

"I wrote in the Polynesian diary all the time, in airplanes, in airports, in the car, in buses, in canoes, in the evening at the hotel, during the day in parks, in museums, in restaurants, walking on the street, as I noticed something interesting or I any idea came up.

Parodying Marcel Proust, I would say: *à la recherche du temps futur* [in search of future time]: that's why I travel."

Florentin Smarandache

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Florentin Smarandache: **Frate cu meridianele și paralelele**. *Fifth Volume. Ediţia a doua, revăzută şi adăugită. Note de călătorie.* Brussels, Belgium: EuropaNova, 2015, 182 p.

Keywords: Travel, Journal, Pyramid, Granular Calculus, Bruxelles, Manneken Pis, Atlanta, Miami, Honduras, Guatemala, Egypt.

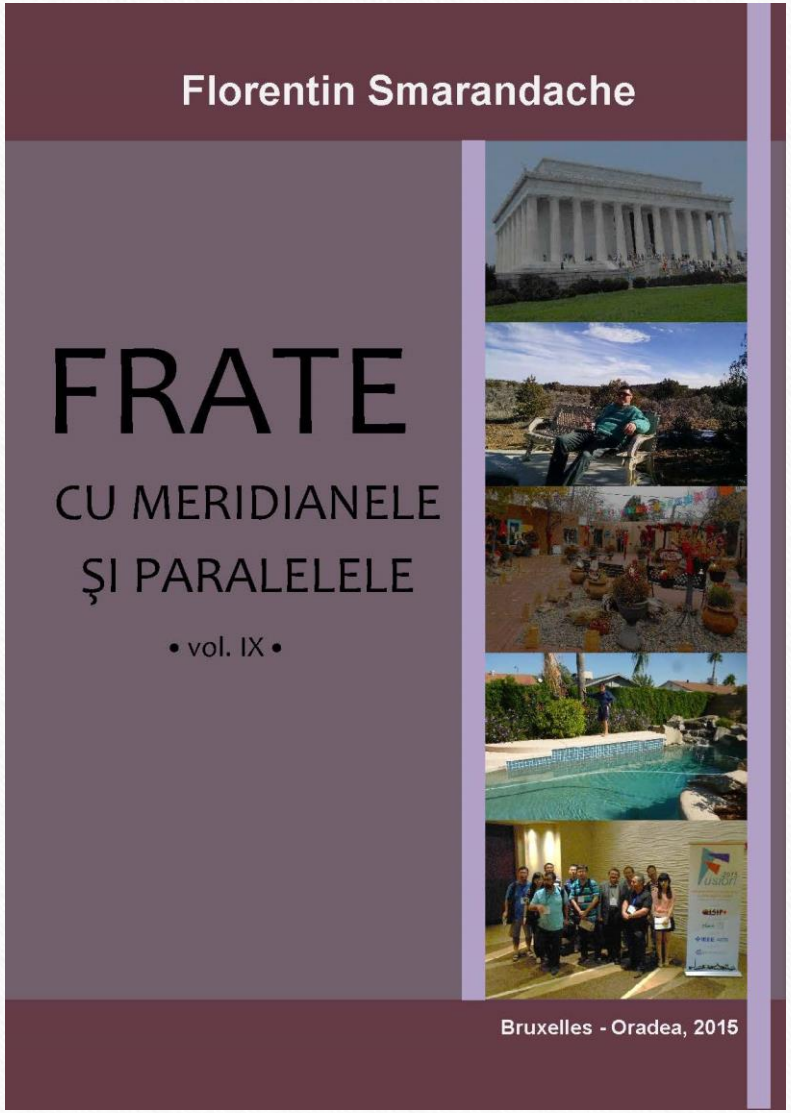
This is a book of scientific memories. The author describes several international conferences and seminars where he was invited speaker, i.e. on Granular Computing organized by IEEE at Georgia State University at Atlanta (USA) in 2006, at Brussels (Belgium) organized and sponsored by Marcus Evans Defense Co. in 2007, in Cologne (Germany), organized by the International Association of FUSION, and in Egypt at the University of Shebin Elkom.

His talks were about neutrosophic logic/set, Dezert-Smarandache Theory and information fusion, and respectively on neutrosophy - which is a generalization of dialectics – in Arabic philosophy.

Besides giving his applied math papers he also visited important cultural institutions.

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Florentin Smarandache: **Frate cu meridianele și paralelele**. *Ninth Volume. Note de călătorie.* Brussels, Belgium & Oradea, Romania: Pons & Ferestre, 2015, 144 p.

Keywords: Travel, Journal, Phoenix, Fountain Hills, Los Alamos, Bandelier, Albuquerque, Casas de Sueños, High Desert Trail, Washington DC, Arizona, New Mexico.

This volume presents notes and photographs from cultural trips or from travels with scientific purposes undertaken by the author in the United States from the fall of 2014 to the summer of 2015. In his many travel journals, the author tried to capture sociological or institutional, geo-historical or touristic, scientific-cultural or educational-artistic realities of the spaces traveled, inviting the reader to an instant virtual journey.

Acest volum prezintă însemnări şi fotografii din excursii sau călătorii cu scop ştiinţific întreprinse de autor în Statele Unite ale Americii din toamna anului 2014 până în vara anului 2015. În numeroasele sale jurnale de călătorii, autorul a încercat să surprindă realităţi socio-umane sau instituţionale, geo-istorice sau turistice, ştiinţifico-culturale sau educaţional-artistice ale spaţiilor parcurse, invitând cititorul la o călătorie concomitentă.

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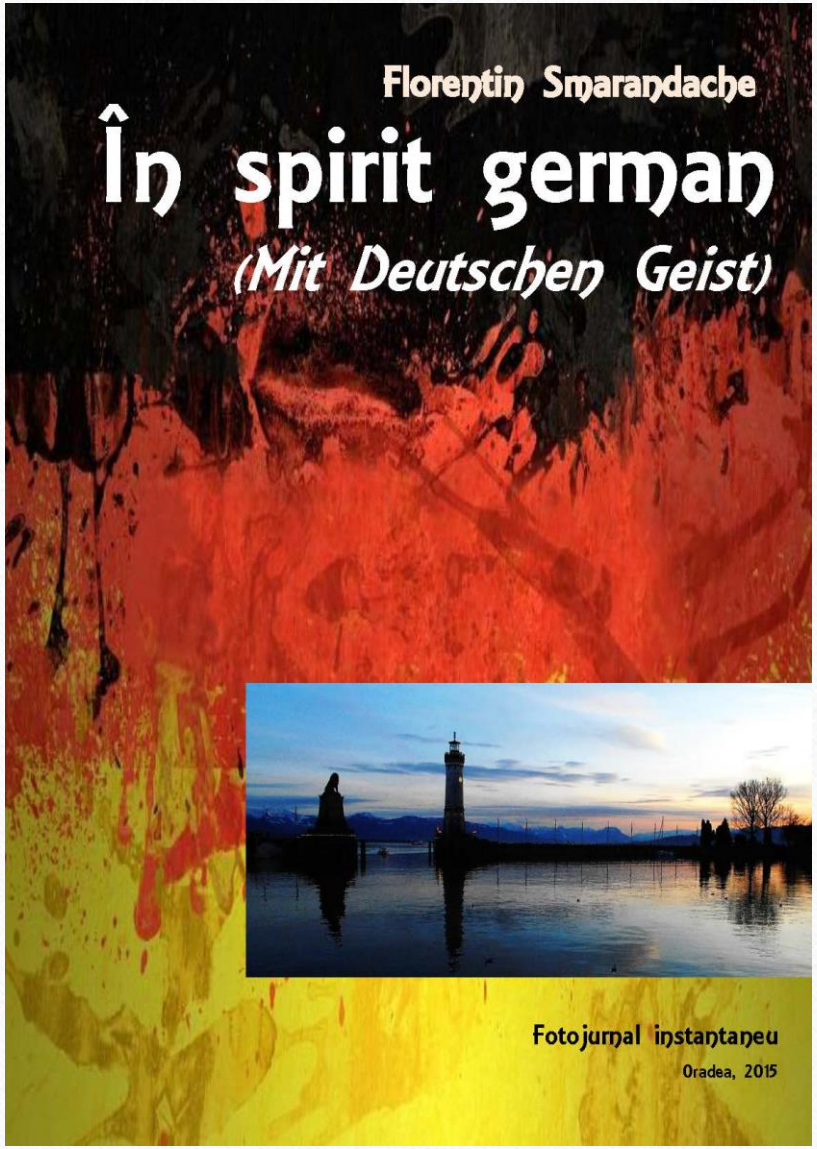
Florentin Smarandache: **În spirit german (Mit Deutschen Geist).** *Fotojurnal instantaneu. Ediţia a doua, revizuită.* Oradea, România: Ferestre, 2015, 186 p.

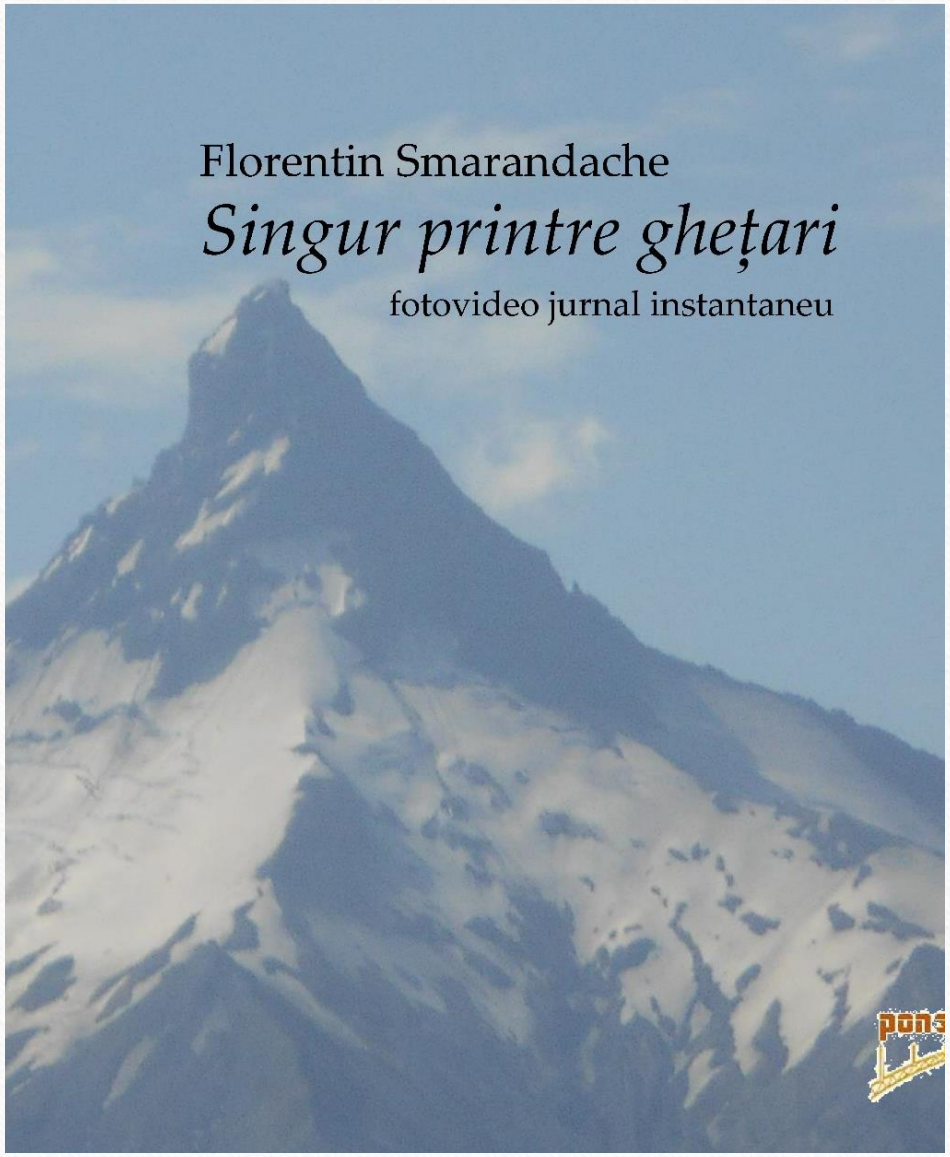
Keywords: Travel, Journal, Germany, Liechenstein, Italy, Austria, Suisse, München, Sonthofen, Heimathaus Museum, Altstädten, Bregenz, Lindau, Oberammergau, Kempten, Biberach, Ochsenhausen, Sigmaringen, Donau, Christkindlesmarkt.

This volume presents notes from a trip to Germany, Switzerland, Austria, Liechtenstein and Italy in the winter of 2014-2015, illustrated with almost 200 photographs. In his numerous journals, the author tried to capture sociological or institutional, geo-historical or tourist, scientific-cultural or educational-artistic realities of the spaces traveled, inviting the reader to an instant journey.

Acest volum prezintă însemnări din timpul unei călătorii în Germania, Elveţia, Austria, Liechenstein şi Italia, din iarna 2014-2015, ilustrat cu aproape 200 de fotografii. În numeroasele sale jurnale de călătorii, autorul a încercat să surprindă realităţi socio-umane sau instituţionale, geo-istorice sau turistice, ştiinţifico-culturale sau educaţional-artistice ale spaţiilor parcurse, invitând cititorul la o călătorie instantă.

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http://fs.unm.edu/InSpiritGerman-ed2.pdf





Florentin Smarandache: **Singur printre ghețari.** *Fotovideojurnal instantaneu.* Brussels, Belgium: Pons, 2016, 166 p.

Keywords: Travel, Journal, fotojurnal instantaneu, Argentina, Chile, Parcul Național al Țării de Foc, Muzeul de la Sfârșitul Lumii, Canalul Beagle, Cerro Tronador, Insula Victoria, Pădurea din Arrayanes, Bariloche, El Calafate, Puerto Varas, Ushuaia, Insula Bridges, Ghețarul Perito Moreno, Ghețarul Upsala, Brazo Rico, Lago Argentiniano.

Aventurile unui oltean în sudul Americii de Sud, singur printre ghețari, lacuri și munți, în Argentina și Chile, după întoarcerea dintr-o expediție din Antarctica.

The adventures of an Oltenian in southern South America, alone among glaciers, lakes and mountains, in Argentina and Chile, after returning from an expedition in Antarctica.

Excerpts:

"Cred că o sociologie a călătorului ar fi interesant de studiat. De ce se încumetă unii la drum și alții nu? Când fiica unui coleg i-a cerut tatălui ei s-o lase să meargă și ea să vadă Cascada Niagara, acesta i-a răspuns: - Păi, n-o vezi la televizor sau citești în cărți?!"

"I think a sociology of the traveler would be interesting to study. Why do some dare to travel and others do not? When a colleague's daughter asked her father to let her go see Niagara Falls, he replied, "Well, don't you see it on TV or read about it in books?"

Florentin Smarandache

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Florentin Smarandache: **Vietnam veteran în științe neutrosofice.** *Fotovideojurnal instantaneu din Vietnam.* Suceava, România: Mingir, 2016, 132 p.

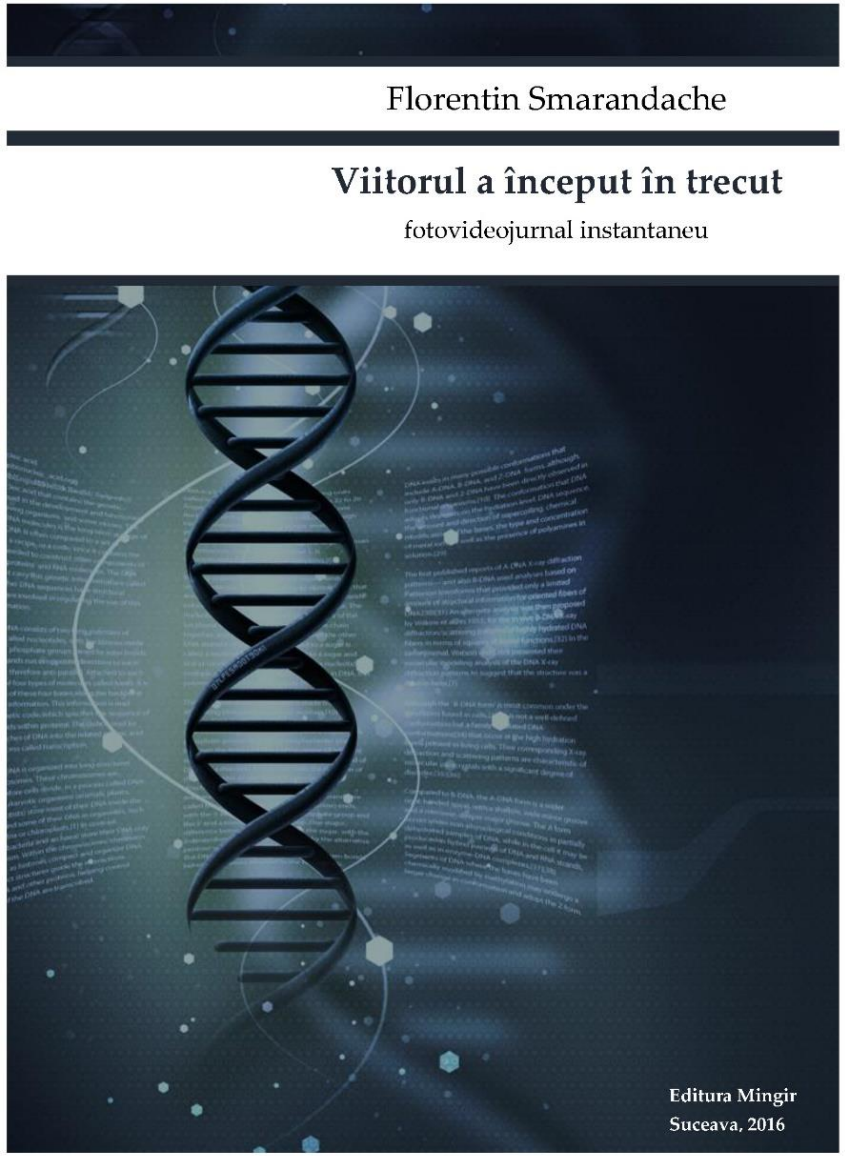
Keywords: Travel, Journal, Socialist Republic of Vietnam, Hồ Chí Minh, Hà Nội, fotovideojurnal instantaneu.

The instant photovideo journal from Vietnam reports on a scientific tour presenting the neutrosophic set / logic / measure / probability / statistics at various universities in Hà Nội and Hồ Chí Minh, and on a visit to Vietnamese cultural and historical sites and objectives, with Dr. Lê Hoàng Sơn, of at the Vietnamese National University (UNV), Prof. univ. Dr. Bùi Công Cường, from the Vietnamese National University (UNV), Dr. Nguyễn Thị Thúy Loan, from the Nguyễn Tất Thành University, Prof. univ. Dr. Bảy Võ, from the University of Technology (HUTECH), and their PhD students.

Fotovideojurnalul instantaneu din Vietnam relatează un turneu științific despre mulțimea / logica / măsura / probabilitatea / statistica neutrosofică la diverse universități din Hà Nội și Hồ Chí Minh, și vizita unor locuri și obiective culturale și istorice vietnameze, alături de Dr. Lê Hoàng Sơn, de la Universitatea Națională Vietnameză (VNU), Prof. univ. dr. Bùi Công Cường, de la Universitatea Națională Vietnameză (VNU), Dr. Nguyễn Thị Thúy Loan, Universitatea Nguyễn Tất Thành, Prof. univ. dr. Bảy Võ, Universitatea de Tehnologie (HUTECH) și studenții doctoranzi ai acestora.

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http://fs.unm.edu/VietnamVeteran.pdf





Florentin Smarandache: **Viitorul a început în trecut.** *Fotovideojurnal instantaneu.* Suceava, România: Mingir, 2016, 138 p.

Keywords: Conferința Internațională de Fuziune, Heidelberg, Congresul Mondial de Inteligență Computațională, Vancouver.

Excerpts:

"În luna iulie 2016 am participat la două conferințe internaționale (Conferința Internațională de Fuziune, Heidelberg, Germania; Congresul Mondial de Inteligență Computațională, Vancouver, Canada), prezentând șase lucrări: aplicații ale Teoriei Dezert-Smarandache și, respectiv, aplicații ale mulțimii și logicii neutrosofice. Se discută acum la Conferințele Internaționale despre un Internet of Things (Internet al Lucrurilor), ca o generalizare a Internetului de Computere, adică nu doar ordinatoarele conectate între ele, ci și alte obiecte: vehiculele care transmit semnale electr(on)ice unele către altele, și orice obiecte (frigidere comunicând între ele, camere video, telefoane etc.). Încă în stadiu incipient, acest Internet al Lucrurilor se dezvoltă rapid. Este greu de ținut pasul cu explozia științifică. Te simți mic, depășit de o realitate (…fantastică!), neputincios, gata să abandonezi. Trebuiesc făcute eforturi disperate pentru a te informa și, apoi, a mări sau a contribui, măcar câte puțin, la minunile lumii. Cum va arăta societatea peste un mileniu? Probabil, nici nu ne putem imagina! Ni s-ar părea ireal… să ne conducă… obiectele… Să schimbi lumea numai cu puterea gândului… Science Fiction transformat în Realitate! „Viitorul începe astăzi", se spune în reclamele tehnice. Cred că am putea extinde butada la: „Viitorul a început în trecut"…"

Florentin Smarandache

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http://fs.unm.edu/ViitorulAInceputInTrecut.pdf

Florentin Smarandache: **Călătorie la mijlocul pământului / Mitad del mundo.** *Fotovideojurnal instantaneu.* Sibiu, România: Agora, 2017, 98 p.

Keywords: Travel, Journal, Mitad del Mundo, Earth's Equator, fotovideojurnal instantaneu, călătorie.

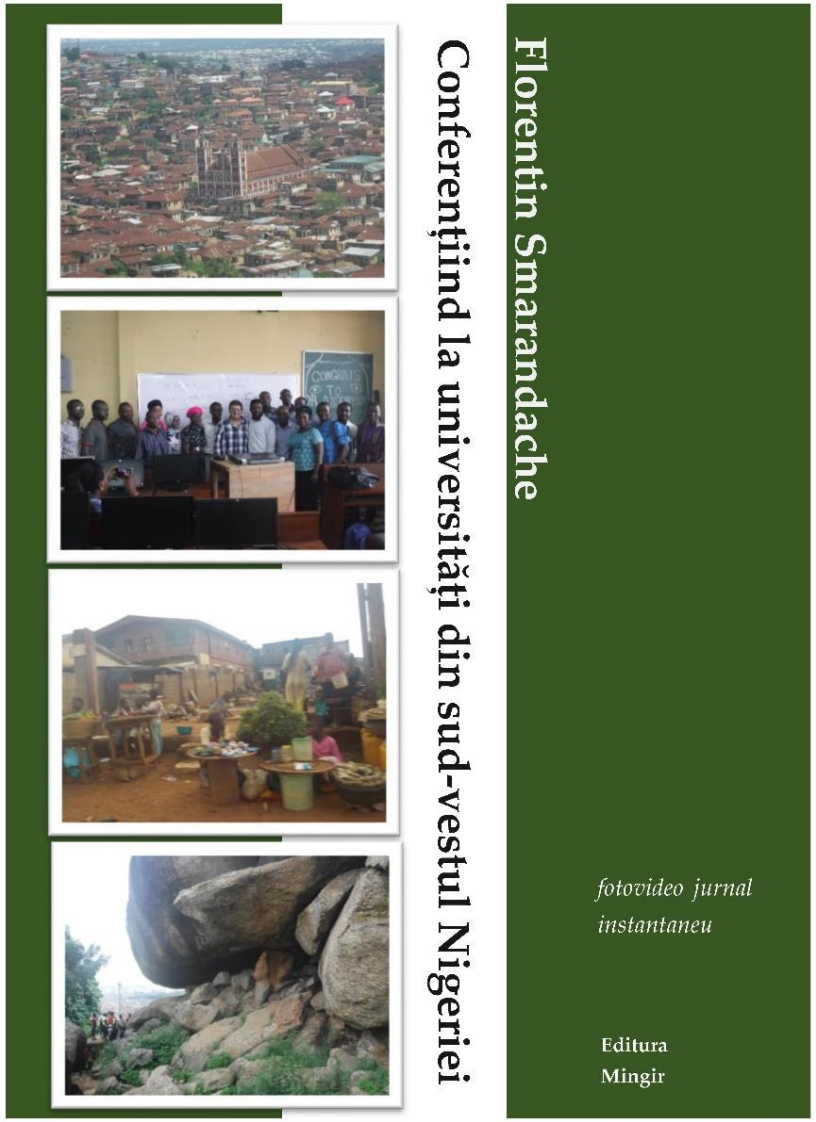
Invited by the Faculty of Mathematical and Physical Sciences of the University of Guayaquil (Ecuador) to hold a conference, in Spanish, on applications of neutrosophy (the scientific discipline he founded), Florentin Smarandache finds the perfect opportunity to produce a new photo video instant journal.

Invitat de Facultatea de Științe Matematice și Fizice a Universității din Guayaquil (Ecuador) să susțină o conferință, în limba spaniolă, despre aplicații ale neutrosofiei (disciplină științifică pe care a fondat-o), Florentin Smarandache găsește ocazia perfectă pentru a produce un nou foto-videojurnal instantaneu. Dacă precedentul ne era oferit tocmai din sudul extrem (Antarctica), cel de față este de la mijlocul Pământului (ecuator). Dincolo de conferința neutrosofică, autorul se dedulcește din plin cu peisajul locurilor și cultura autohtonă, punctând în jurnal scurte notițe istorice, etnografice, sociologice, antropologice și chiar... gastronomice! Vizitează marile concentrări urbane Guayaquil și Quito (capitala), Playa Villamil, stațiunea ecuadoriană de pe malul Paci-ficului, și vestita Plaza de Poncho din Otavalo, galerii de artă și un planetarium, expoziții de fotografii și expoziții științifice, donează cărți tipărite și DVD-uri cu cărți electronice la două biblioteci din Guayaquil, se plimbă cu lancha [barcă cu motor], pe Rio Guayas, participă la Festivalul Santos del Rey din Cotacachi... Și, cum altfel, monumentul dedicat mijlocului Pământului, pe unde trece linia virtuală a ecuatorului. O bună ocazie pentru Florentin Smarandache de a descoperi /o aplicație a analizei matematice neutrosofice (neutrosophic calculus).

Alexandru Balogh



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http://fs.unm.edu/CalatorieLaMijloculPamantului.pdf



Florentin Smarandache: **Conferențiind la universități din sud-vestul Nigeriei.** *Fotovideojurnal instantaneu din Nigeria. Ediția a doua, revăzută și adăugită*. Suceava, România: Mingir, 2017, 171 p.

Keywords: Travel, Journal, Nigeria, Yoruba, Abeokuta, Lagos, Ibadan, Olumo, FUNAAB, logica neutrosofică, Teoria Dezert-Smarandache, fotovideojurnal instantaneu, călătorie.

Instant photovideo diary of Smarandache's scientific and cultural visit to Nigeria to universities in the cities of Abeokuta, Ibadan, and Lagos, where he read about neutrosophic logics, information fusion, and their applications.

Fotovideojurnalul instantaneu al unei vizite științifice și culturale întreprinse de autor în Nigeria la universități din orașele Abeokuta, Ibadan, și Lagos, unde a lecturat despre logici neutrosofice, fuziunea informației, și aplicațiile lor.

Excerpts:

"După cât am umblat prin această lume tumultoasă, am constatat că societățile converg una către alta (influențându-se)... până la un punct culminant ca nivel de omogenitate colectivă. Iar de la acest punct, ele diverg înapoi spre eterogenitate. Societățile converg și diverg una către alta. Și acest proces oscilatoriu continuă, continuă..."

Florentin Smarandache

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http://fs.unm.edu/ConferentiindLaUniversitati.pdf

Florentin Smarandache: **Lecturing in Nigeria Southwest Universities.** *An instant photovideo blog. Second edition, revised.* Suceava, România: Mingir, 2017, 171 p.

Keywords: Nigeria, Yoruba, Abeokuta, Lagos, Ibadan, Olumo, FUNAAB, neutrosophic logic, Dezert-Smarandache Theory.

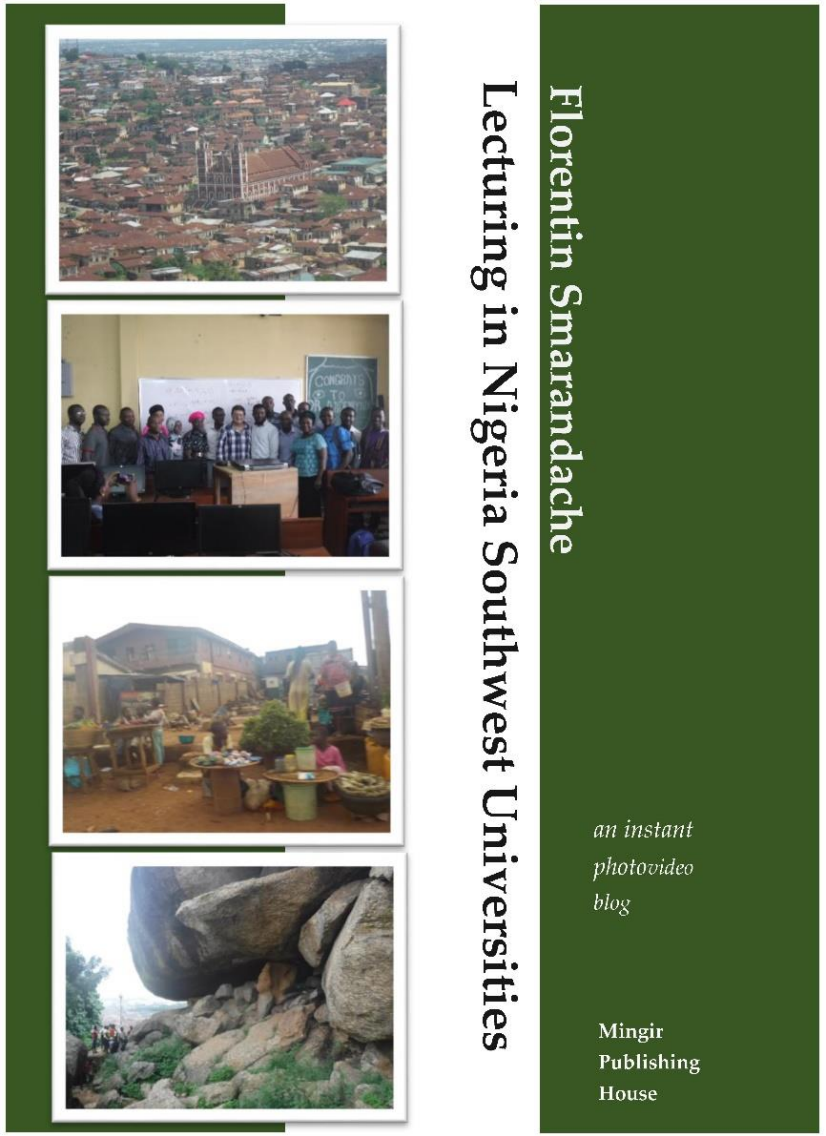
The instant photovideo blog of a scientific and cultural visit undertook by the author in Nigeria to universities in the cities of Abeokuta, Ibadan, and Lagos, where he lectured about neutrosophic logic, information fusion, and their applications.

Excerpts:

"While hundreds of migrants and refugees from North Africa drown each year attempting to cross the Mediterranean in inadequate boats, many people from Central and Western Africa succumb trying to cross the Sahara Desert towards Morocco, and from there to Europe. 44 Nigerians and Ghanaians were found dead these days. The Desert is a Sand Sea…"

Florentin Smarandache

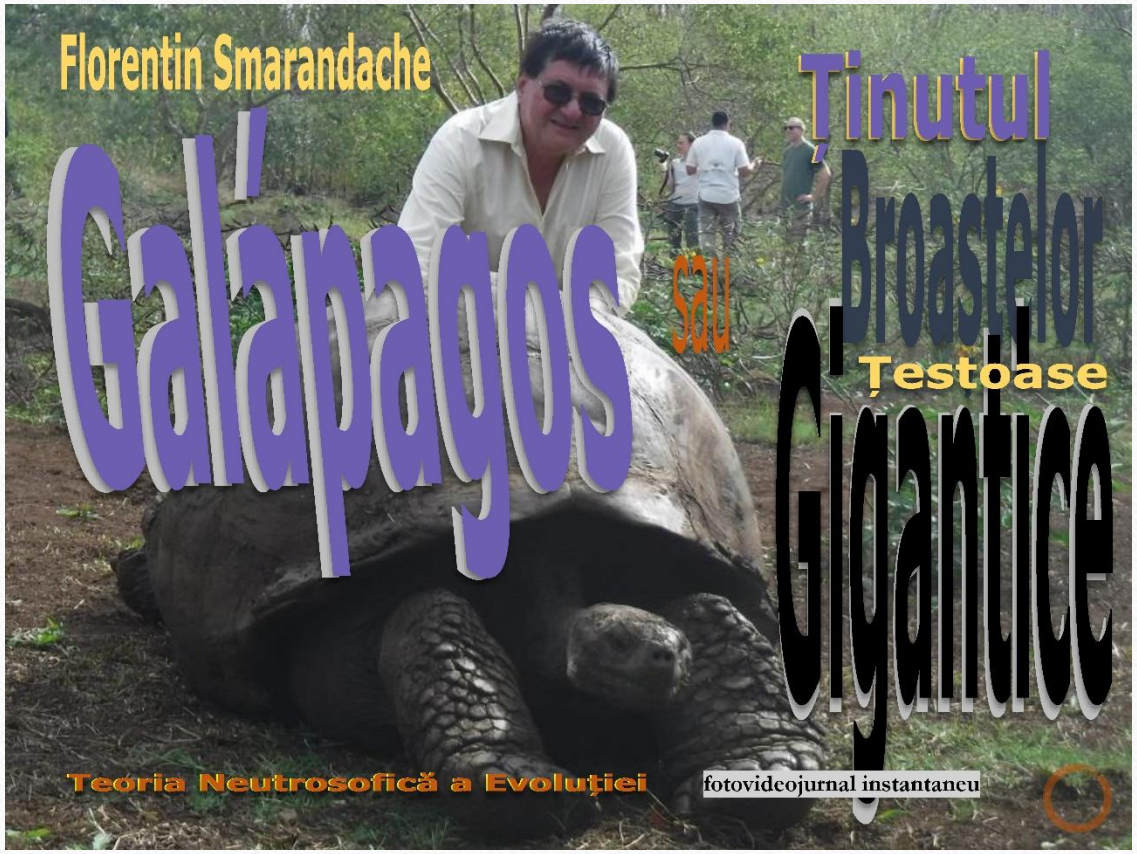
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http://fs.unm.edu/Galapagos.pdf

Florentin Smarandache: **Galápagos sau Ținutul Broaștele Țestoase Gigantice: Teoria Neutrosofică a Evoluției.** *Fotovideojurnal instantaneu.* Sibiu, Romania: Agora, 2017, 119 p.

Keywords: Teoria neutrosofică a evoluției, fotovideojurnal instantaneu, Galapagos, Ecuador, Oceanul Pacific, Mosquera, Isabela, Fernandina, Santiago, Sombrero Chino, Santa Cruz, Rabida, Golondrina.



Excerpts:

"În decembrie 2016 - ianuarie 2017, am întreprins o incursiune culturală și științifică în Arhipelagul Galápagos, Ecuador, în Oceanul Pacific, unde am vizitat șapte insule și insulițe: Mosquera, Isabela, Fernandina, Santiago, Sombrero Chino, Santa Cruz și Rabida, într-o croazieră cu vaporul Golondrina.

Am observat multe animale și plante care au evoluat diferit de strămoșii lor veniți de pe continent, iar concluzia mea generală a fost că fiecare teorie a evoluției posedă un grad de adevăr, un grad de indeterminare și un grad de neadevăr (ca în logica neutrosofică), depinzând de tipurile de specii, mediul înconjurător, intervale de timp sau alți parametri.

Așa s-a născut o teorie neutrosofică a evoluției, involuției și indeterminării (adică a neutralității sau ambiguității între Evoluție și Involuție), sugerată în acest volum de călătorii, în prelungirea consemnărilor cotidiene de la fața locului."

Florentin Smarandache



Florentin Smarandache: **Un Oltean în Antarctica.** *Fotovideojurnal instantaneu. Ediția a doua.* Brussels, Belgium: Pons, 2014, 194 p.

Keywords: Travel, Journal, Antarctica, Plancius, fotovideojurnal instantaneu.

The photovideo journal "An Oltean in Antarctica" is a re-edition of the travel journal "At the End of the Earth: Antarctic Expedition" (2016), due to its great success with the public.

Fotovideojurnalul "Un Oltean în Antarctica" este o reeditare a jurnalului de călătorie "La capătul Pământului: Expediție în Antarctica" (2016), datorată succesului deosebit la public. Cartea a avut aproximativ 250.000 de accesări în 12 luni, din ianuarie 2016 până în ianuarie 2017, conform statisticilor electronice oficiale ale saitului Universității New Mexico: http://fs.gallup.unm.edu/stats/ (acesta fiind doar unul dintre saiturile-gazdă ale volumului). Volumul s-a bucurat de cronici favorabile, autorii mai tuturor cronicilor rostogolind expresia "un Oltean în Antarctica" pentru a sintetiza demersul explorator al lui Florentin Smarandache la Polul Sud (cu vaporul "Plancius"), povestit prin cuvinte, fotografii și mici secvențe video.

"În astfel de expediții cu climat aspru, contează să ai o atitudine flexibilă. Să te pregătești psihic și fizic. Ca o armată ce, plecând la luptă, e pe jumătate înfrântă dacă gândește negativ. Vremea aspră și, mai ales, întunericul prelungit îți provoacă depresii… Timpul este impredictibil. Așadar, trebuie să fii Nică Fără Frică!"

Florentin Smarandache

Download from The Science Library at University of New Mexico – Gallup: http://fs.unm.edu/UnOlteanInAntarctica.pdf

Florentin Smarandache: **Aurorae et tenebrae boreales**. *Fotojurnal instantaneu din Islanda*. Brussels, Belgium: Pons, 2018, 70 p.

Keywords: Travel, journal, Iceland, Islanda, geyser, waterfall, fotojurnal instantaneu, Skeiðarárjökull, Mýrdalsjökull, Grímsvötn, Dyrhólaey, Skógarfoss, Seljalandsfoss.

Excerpts:

"Islanda este imediat sub Cercului Polar și vara-i mereu lumină (nopți albe am, ca-n Groenlanda). Aurora Borealis (sau Luminile Nordice) se datorează impulsurilor electrice ghidate de câmpuri magnetice emise de soare. Când ele pătrund în atmosfera Terrei, întâlnesc diferite tipuri de molecule, la înălțimea de 100 km, dând impresia unei perdele cu multe culori - care flutură în vânt. Aurora este ca un joc de lumini colorate în cer. Poetic am zice: dans cosmic."

"Iceland is immediately below the Arctic Circle and in the summer is always light (I have white nights, like in Greenland). Aurora Borealis (or Nordic Lights) is due to electrical impulses guided by magnetic fields emitted by the sun. When they enter the Earth's atmosphere, they encounter different types of molecules, at a height of 100 km, giving the impression of a curtain with many colors - fluttering in the wind. Aurora is like a play of colorful lights in the sky. Poetically I would say: cosmic dance."

Florentin Smarandache

Download from The Science Library at University of New Mexico – Gallup:
http://fs.unm.edu/AuroraeEtTenebraeBoreales.pdf





Florentin Smarandache: **Dominicana-mente**. *Fotovideojurnal instantaneu din Republica Dominicană*. Sibiu, România: Agora, 2018, 90 p.

Keywords: Travel, journal, Dominican Republic, Hispaniola, Greater Antilles archipelago, Caribbean region, fotojurnal instantaneu, călătorie.

Acest fotovideojurnal instantaneu relatează o vizită științifică, culturalășI turistică a lui Florentin Smarandache în Republica Dominicană, ocazionată de invitația de a conferența despre La logica y conjunto neutrosoficos – aplicaciones a la educatión, desarrolo y gestion, la Universidad Abierta Para Adultos (UAPA - Educación superior a distancia virtual), din orașul Santiago de Los Caballeros.

This instant photovideo diary recounts a scientific, cultural and touristic visit of Florentin Smarandache to the Dominican Republic, occasioned by the invitation to a conference on La logica y conjunto neutrosoficos – aplicaciones a la educatión, desarrolo y gestion, at the Universidad Abierta Para Adultos (UAPA - Educación superior a distance virtual), from the city of Santiago de Los Caballeros.

Excerpts:

“Viteza aparentă de la sol este de zeci de ori mai mică decât viteza reală din aer. Când zboară avionul și nu se zguduie, ci ondulează, te simți ca pe arcuri... ori ca pe o saltea gonflabilă. Norii albi de dedesubt par câmpuri și troiene de zăpadă... parc-am fi în regiunea arctică!

- Ai străbătut lumea în lung și-n lat, îmi îndruga Enrique în aeroport.
- Pe jumătate, am răspuns, I travelled the world.

Într-o lume grăbită, agitată, impulsivă, contradictorie și neutrosofică. Într-o lume în care nimeni nu mai are timp pentru nimeni - nici pentru sine”

Florentin Smarandache

Download from The Science Library at University of New Mexico – Gallup:
http://fs.unm.edu/DominicanaMente.pdf

Florentin Smarandache: **Nopțile polare inuite**. *Fotovideojurnal instantaneu groenlandez.* Sibiu, România: Agora, 2018, 52 p.

Keywords: Travel, journal, Groelanda, Nuuk, Kangerlussuaq, Ilulissat, Ilimanaq, fotovideojurnal instantaneu, călătorie.

This instant photovideo diary recounts a cultural trip to Greenland.

Acest fotovideo jurnal instantaneu relatează o excursie culturală în Groenlanda.

Excerpts:

"În era digitală, Groenlanda a construit un cablu subacvatic pentru internet de circa 4.600 km, conectându-se cu Canada și Islanda în anul 2009, iar din 2017 încearcă extinderea cablului în zona arctică interioară (așezările Maniitsoq, Aasiaat și Sisimiut). (…) Sunt bronzat, cărămiziu la față, de la radiațiile arctice. Am cunoscut o nouă lume-veche... începând de la Paleo-Eschimoși."

"In the digital age, Greenland has built an underwater cable for the internet of about 4,600 km, connecting with Canada and Iceland in 2009, and since 2017 it is trying to extend the cable in the inner Arctic (Maniitsoq, Aasiaat and Sisimiut settlements). (…) I am tanned, brick in the face, from arctic radiation. I made acquaintance with a new old world ... starting with Paleo-Eskimos."

Florentin Smarandache

Download from The Science Library at University of New Mexico – Gallup:
http://fs.unm.edu/NoptilePolareInuite.pdf





Florentin Smarandache: **Ocolul planetei cu a**vionul. *Fotojurnal instantaneu din Polinezia Franceză*. Sibiu, România: Agora, 2018, 66 p.

Keywords: Travel, journal, Ocolul Pământului, Los Angeles, Abu Dhabi, Islamabad, Pakistan, Bangkok, Seoul, Jeju, Coreea de Sud, Tokyo, fotojurnal instantaneu, călătorie.

Excerpts:

"Am făcut în trei săptămâni (17 Decembrie 2017 – 8 Ianuarie 2018) Ocolul Planetei cu Avionul, zburând tot spre est. Din Los Angeles în Abu Dhabi, apoi în Islamabad [segmentul unu] – cu ședere în Pakistan circa două săptămâni. Apoi, din Islamabad în Bangkok, continuat în Seoul și Jeju [segmentul doi] – cu ședere în Coreea de Sud circa o săptămână. Iar în final, din Jeju în Tokyo (cu ședere de o zi în Japonia), și de aici în Chicago, care-i mai la est de Los Angeles [segmentul trei]."

"I flew by plane in three weeks (December 17, 2017 - January 8, 2018) around the Planet, going East. From Los Angeles to Abu Dhabi, then to Islamabad [segment one] - staying in Pakistan for about two weeks. Then from Islamabad to Bangkok, I continued to Seoul and Jeju [segment two] - staying in South Korea for about a week. And finally, from Jeju to Tokyo (with a one-day stay in Japan), and from here to Chicago, which is further east of Los Angeles [segment three]."

Florentin Smarandache

Download from The Science Library at University of New Mexico – Gallup:
http://fs.unm.edu/OcolulPlanetei.pdf

Florentin Smarandache: **Pe drumuri neutrosofice pakistaneze**. Sibiu, România: Agora, 2018, 88 p.

Keywords: Travel, journal, COMSATS, Abbottabad, Islamabad, Pakistan, Tehnologia Informației, neutrosofie, fotojurnal instantaneu, călătorie.

This volume is an instant photovideo diary of a scientific visit of Professor Florentin Smarandache to the Mathematics Department of the Institute of Information Technology COMSATS in Abbottabad, Pakistan, invited in December 2017 to lecture on neutrosophic topics to PhD students and young professors.

Acest volum este fotovideojurnalul instantaneu al unei vizite științifice a profesorului Florentin Smarandache la Departamentul de Matematică al Institutului de Tehnologia Informației COMSATS, în Abbottabad, Pakistan, invitat în luna decembrie a anului 2017 să conferențieze pe teme neutrosofice studenților doctoranzi și tinerilor profesori.

Excerpts:

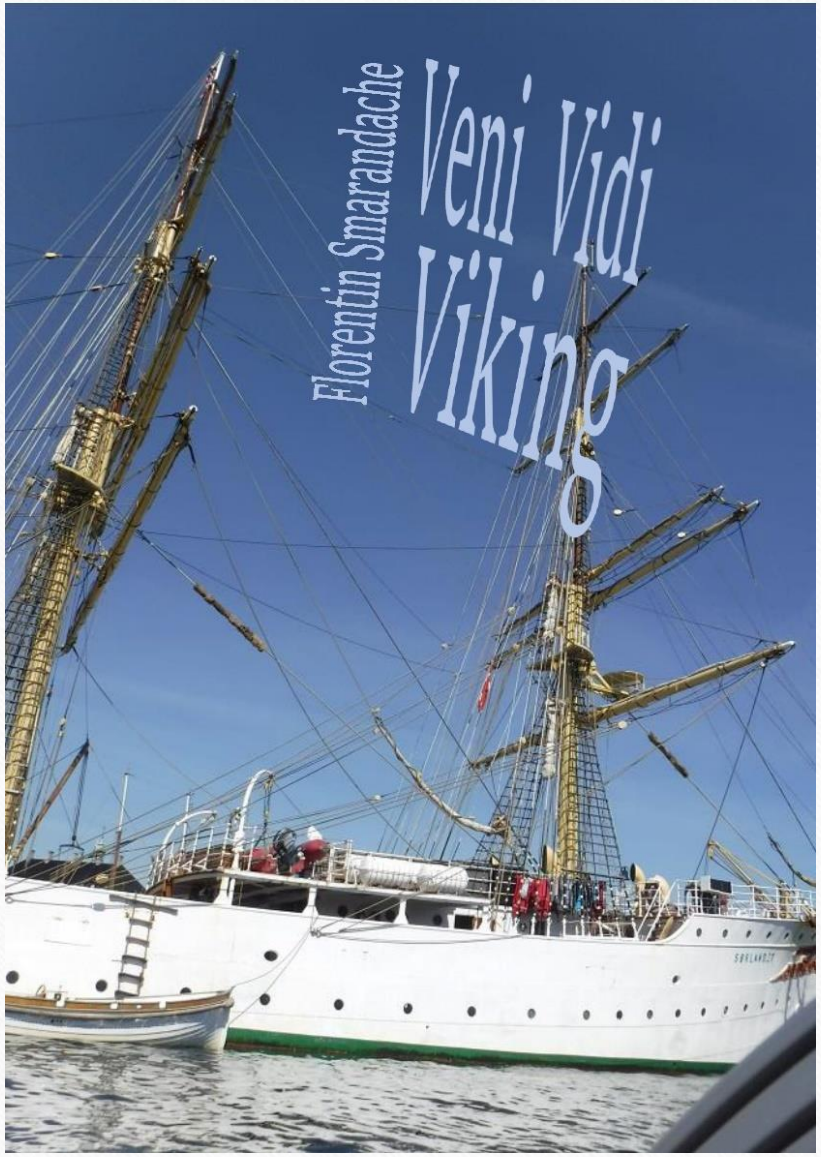
"Islamabad s-a fondat ca oraș în anul 1960 pe un teren viran, pe Platoul Potholar din provincia Punjab, pentru poziția sa în centrul geografic al țării. Fosta capitală, metropola Karachi, port la Marea Arabică, putea ușor fi atacată din afară, se situa la extremitatea țării și amintea fostul caracter colonial britanic."

"Islamabad was founded as a city in 1960 on a vacant lot, on the Potholar Plateau in Punjab province, for its position in the geographical center of the country. The former capital, the metropolis of Karachi, a port on the Arabian Sea, situated at the end of the country and reminiscent of the former British colonial character, could easily be attacked from the outside."

Florentin Smarandache

Download from The Science Library at University of New Mexico – Gallup:
http://fs.unm.edu/PeDrumuriNeutrosoficePakistaneze.pdf





Florentin Smarandache: **Veni, vidi, viking**. *Fotovideojurnal instantaneu din Danemarca*. Brussels, Belgium: Pons, 2018, 70 p.

Keywords: Travel, journal, Danmark, Slagelse, Roskilde, Hans Christian Andersen, fotovideojurnal instantaneu, călătorie

After a ten-day Arctic trip to Greenland, Florentin Smarandache visits Denmark in May 2018, invited to lecture on "Neutrosophic Sets and Applications" at Vestsjaelland-South College and Roskilde University.

După o călătorie zece zile arctice în Groenlanda, Florentin Smarandache vizitează în mai 2018 Danemarca, invitat să conferențieze despre „Neutrosophic Sets and Applications" la Colegiul din Vestsjaelland-Sud și la Universitatea Roskilde.

Excerpts:

"Există, practic, doar două anotimpuri în Danemarca: toamna și… iarna. Se spune că țările nordice sunt scumpe și foarte scumpe. Punctualitate. Strictețe (legea e lege!). Rigiditate."

"There are practically only two seasons in Denmark: autumn and winter. It is said that the Nordic countries are expensive and very expensive. Punctuality. Strictness (law is law!). Stiffness."

Florentin Smarandache

Download from The Science Library at University of New Mexico – Gallup:
http://fs.unm.edu/VeniVidiViking.pdf

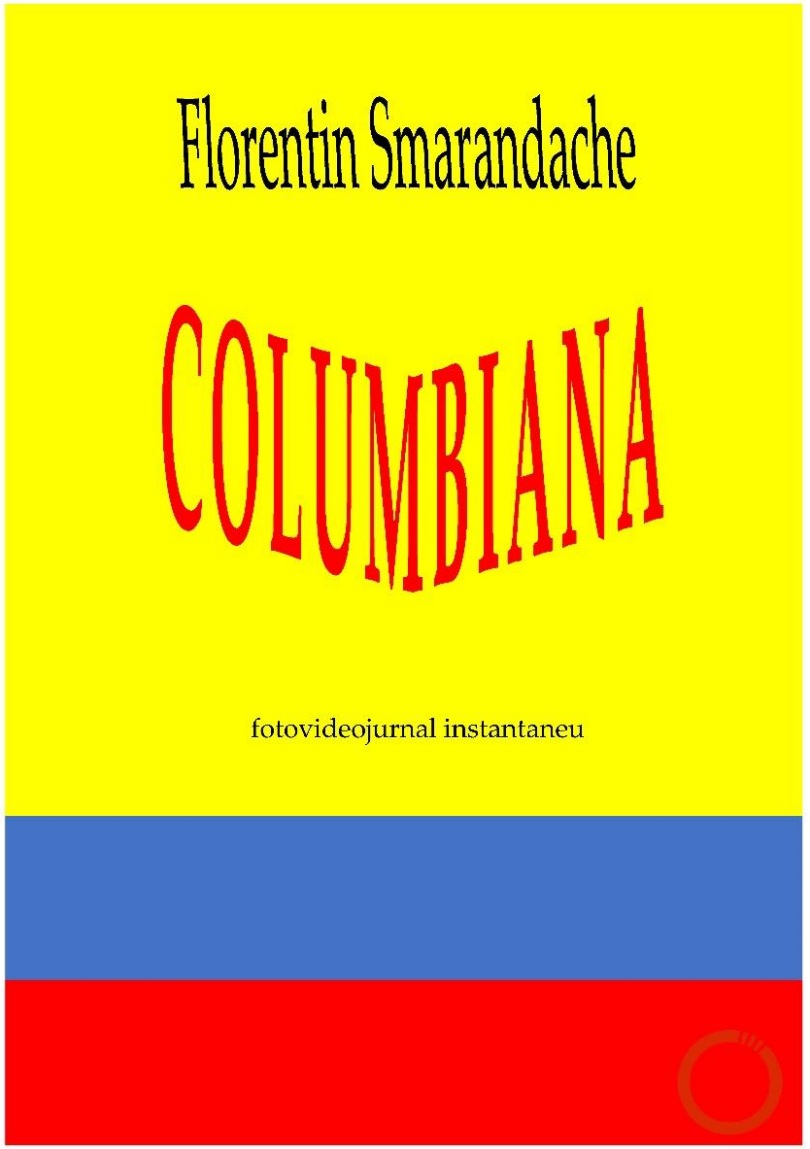
Florentin Smarandache: **Columbiana**. *Fotovideojurnal instantaneu din Columbia*. Sibiu, România: Agora, 2019, 120 p.

Keywords: Bogotá, Bucaramanga, Universidad Internacional de Colombia, Universitatea Los Andes, Universitatea Industrială din Santander, Grupo de Investigación en Optimización, Mario Laserna Pinzón, Universidad de los Andes, Simón Bolívar, Catedrala Primada de Colombia, La Candelaria, Botero, Escuela Nacional de Bellas Artes, Virgen del Carmen, James David Rodríguez Rubio, Radamel Falcao García Zárate, las cocadas colombianas, coco con pastella, TransMilenio, aruakos, Monserrate, 23 Festival de Verano, Usaquén, Zipaquirá, Cajicá, Chicamocha, Vista Hermosa del Puente, Tamakara, Socorro, Simacota, José Antonio Galán, Heliconias, Curiti.

La invitația a trei instituții de învățământ superior, Universidad Industrial de Santander din Bucaramanga, Universidad Internacional de Colombia și Universidad de los Andes, ambele din Bogotá, Florentin Smarandache a susținut o serie de conferințe și seminarii în Columbia, în lunile iulie și august 2019. Vizita științifică i-a prilejuit autorului și o aprofundare culturală a țării, a cărui rezultat este fotovideojurnalul de față.

At the invitation of three higher education institutions, Universidad Industrial de Santander in Bucaramanga, Universidad Internacional de Colombia and Universidad de los Andes, both in Bogotá, Florentin Smarandache held a series of conferences and seminars in Colombia in July and August 2019. The scientific visit also gave the author a cultural insight into the country, the result of which is the present photovideo journal.

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http://fs.unm.edu/Columbiana.pdf





Florentin Smarandache: **Mulțimi neutrosofice: Conferință Internațională în China.** *Fotovideojurnal instantaneu, 17-26 decembrie 2019*. Sibiu, România: Agora, 2019, 331 p.

Keywords: Jurnal, Fotovideojurnal, Fotovideojurnal Instantaneu, Instantaneu, China, Shanghai, Beijing, Xi'an, Neutrosofie.

Excerpts:

"Colegii chinezi sunt mândri de realizările țării lor, ajungând să concureze cu Statele Unite. În cyberspace, China e singura țară care a intrat în 5G prin compania lor Huawei. Și singura care folosește tele-comunicarea cuantică. Barajul de pe Fluviul Yangzi este cel mai mare de pe glob. Trenul chinez este cel mai rapid și modern din lume, depășind pe cel japonez și pe cel francez (Très Grande Vitesse). Am parcurs în 2011 de la Beijing la Xi'an distanța într-un tren chinez foarte confortabil. Iar Turnul din Shanghai (în care am urcat în anul 2011) este al doilea ca înălțime din lume, după cel din Dubai. Pe partea nevăzută a Lunii doar chinezii au reușit pană în prezent să trimită un vehicul spațial."

"Chinese colleagues are proud of their country's achievements, coming to compete with the United States. In cyberspace, China is the only country that has entered 5G through their company Huawei. And the only one that uses quantum tele-communication. The Yangtze River Dam is the largest in the world. The Chinese train is the fastest and most modern in the world, surpassing the Japanese and the French (Très Grande Vitesse). I traveled in 2011 from Beijing to Xi'an on a very comfortable Chinese train. And the Shanghai Tower (which I climbed in 2011) is the second tallest in the world, after the one in Dubai. On the unseen side of the moon, only the Chinese have so far managed to send a spacecraft."

Florentin Smarandache

Download from The Science Library at University of New Mexico – Gallup:
http://fs.unm.edu/MultimiNeutrosoficeChina.pdf

Florentin Smarandache: **Scurtcircuit lusitan**. *Fotovideojurnal instantaneu*. Oradea, România: Kalendarium, 2019, 58 p.

Keywords: Travel, journal, Portugalia, Lisabona, Belém, José Leite de Vasconcelles, Muzeul Religiões da Lusitânia, Muzeul Territérios, Memórias, Identidades, Amalia Rodrigues, Eusebio, Cristiano Ronaldo, Tagus, Igreja de São Nicolau, Praça da Comerço, Regele João I, fotojurnal instantaneu, călătorie.

This journal is the result of a one-week Lusitanian short circuit, conducted in late 2018, in transit between Jeddah (Saudi Arabia), where the author held a neutrosophy seminar at King Abdulaziz University, and Gallup (United States), where he teaches currently mathematics students at the University of New Mexico.

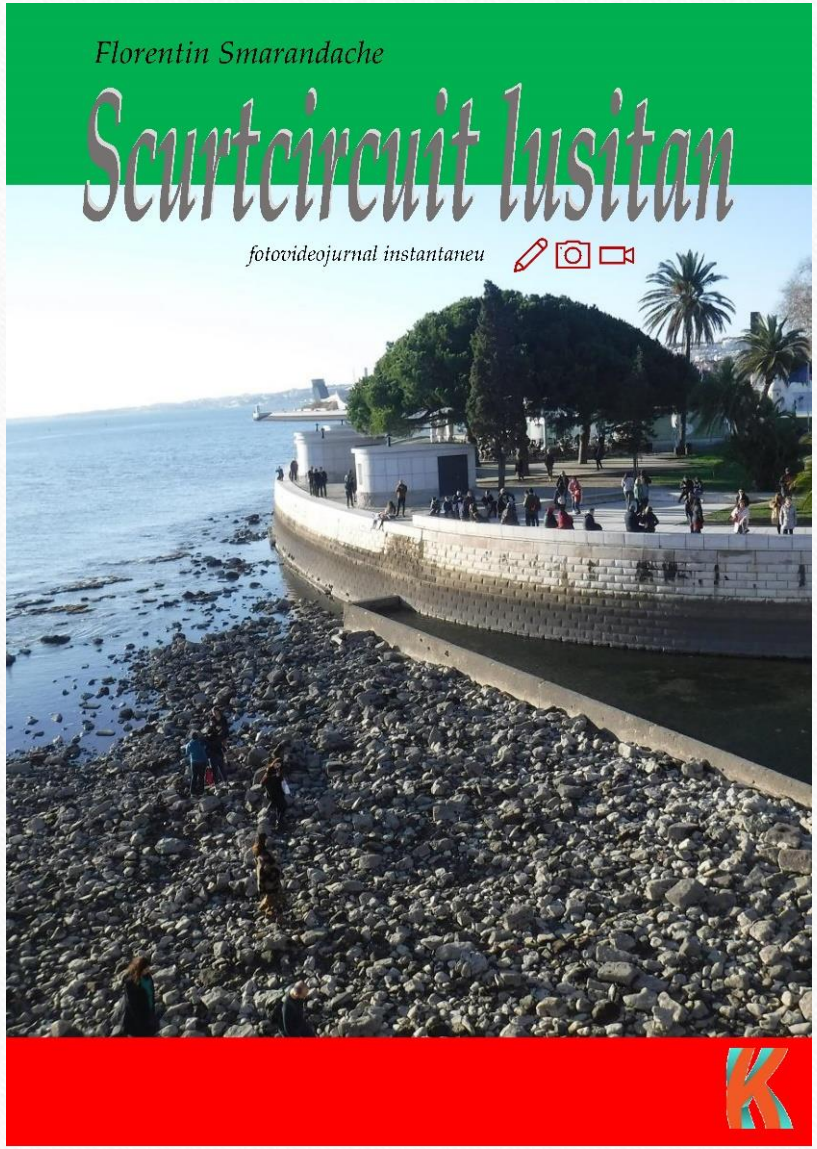
Jurnalul de față este rezultatul unui scurt circuit lusitan de o săptămână, efectuat la finele anului 2018, în tranzit între Jeddah (Arabia Saudită), unde autorul a susținut un seminar de neutrosofie la Universitatea King Abdulaziz, și Gallup (Statele Unite), unde predă în mod curent matematica studenților de la Universitatea New Mexico.

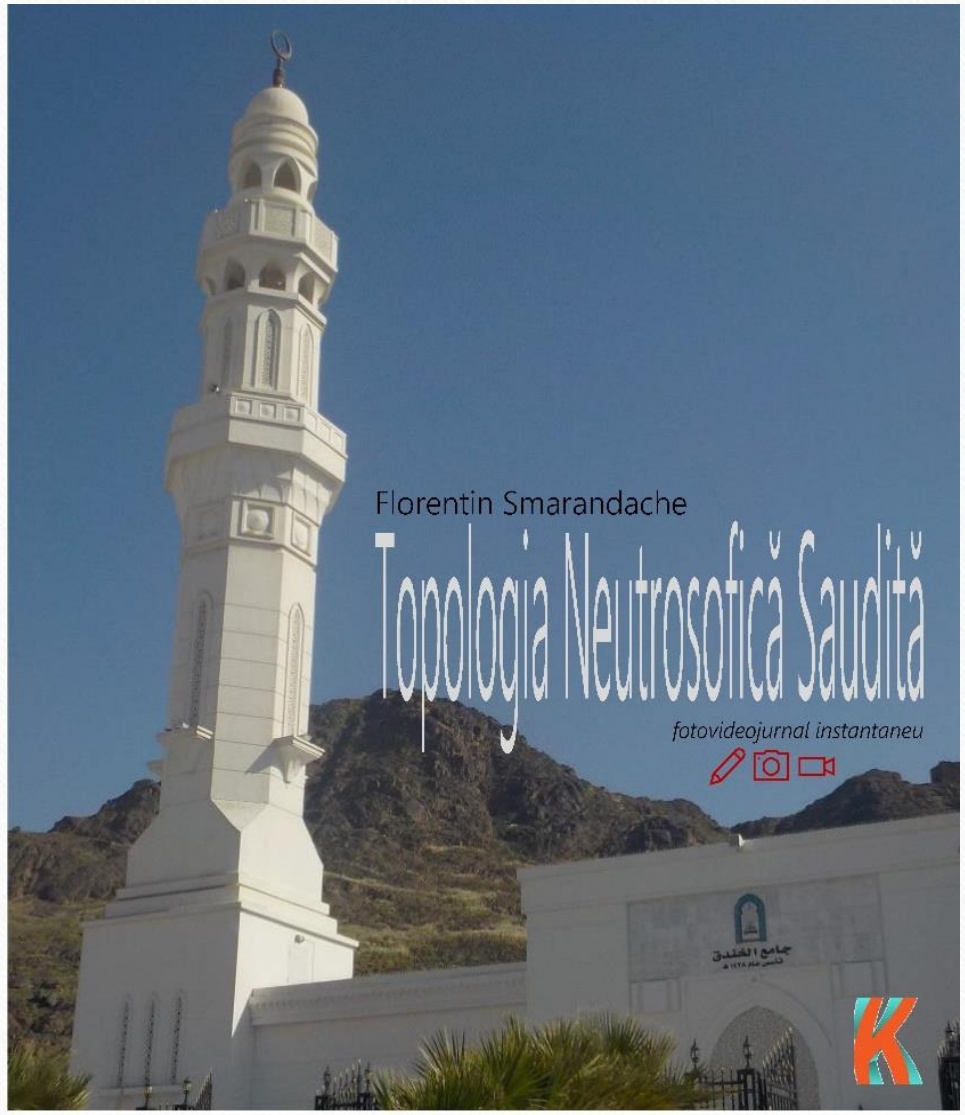
"Fiecare țară are câte ceva special și toate țările la un loc, au multe părți similare. Societățile converg una către alta - după care diverg din nou."

"Each country has something special and all countries together have many similar parts. Societies converge on each other - after which they diverge again."

Florentin Smarandache

Download from The Science Library at University of New Mexico – Gallup:
http://fs.unm.edu/ScurtcircuitLusitan.pdf





Florentin Smarandache: **Topologia Neutrosofică Saudită**. *Fotojurnal instantaneu*. Oradea, România: Kalendarium, 2019, 78 p.

Keywords: Travel, journal, Jeddah, Medina, neutrosofie, Universitatea King Abdulaziz, Arabia Saudită, fotojurnal instantaneu, călătorie.

This book is an instant photovideo diary of Professor Florentin Smarandache's trip to Saudi Arabia, Jeddah and Medina. The trip was occasioned by an invitation from King Abdulaziz University in Jeddah to hold the seminar "History of Neutrosophic Set and Logic and their Applications", about the evolution and development of neutrosophic logic, set, probability and statistics.

Cartea de față este un fotovideojurnal instantaneu de călătorie al profesorului Florentin Smarandache în Arabia Saudită, în orașele Jeddah și Medina. Călătoria a fost prilejuită de invitația Universității King Abdulaziz, din Jeddah, de a susține seminarul „History of Neutrosophic Set and Logic and their Applications”, privind înființarea, evoluția și dezvoltarea logicii, mulțimii, probabilității și statisticii neutrosofice.

Excerpts:

“Dr. Mohammed Alshumrani m-a întrebat:

- Dacă rămâneai în România, ai mai fi putut introduce, dezvolta și răspândi la nivel internațional logica neutrosofică?

… Este, de fapt, o întrebare pe care mi-am pus-o și eu de nenumărate ori…”

Florentin Smarandache

Download from The Science Library at University of New Mexico – Gallup:
http://fs.unm.edu/TopologiaNeutrosoficaSaudita.pdf

Florentin Smarandache: **Strecurându-ne printre viruși în Chile**. *Fotovideojurnal instantaneu*. Sibiu, România: Agora, 2020, 80 p.

Keywords: COVID-19, Santiago de Chile, Universidad de Chile, Insula Paștelui, Gabriela Mistral, Pablo Neruda, Plaça Italia, Plaça de la Unidad, Salvador Allende, neutrosofie

Excerpts:

"În ciuda coronavirusului – virus cunoscut sub numele științific de 2019-nCov apoi COVID-19 (…) – și a riscului călătoriei externe, nu m-am putut abține de la un nou voiaj: de data aceasta, în Chile. (…) M-am pornit spre Chile cu treburi științifice, dar și cu ideea că orice nouă călătorie înseamnă o nouă învățătură. În doar câteva zile, planurile mele au fost date peste cap de COVID-19. Conferința științifică a fost anulată și era să rămân blocat în Chile, de unde m-am strecurat cu greutate și după peripeții, printre viruși – biologici și ideologici – spre domiciul american din New Mexico."

"Despite the coronavirus - the virus scientifically known as 2019-nCov then COVID-19 (…) - and the risk of external travel, I could not refrain from a new trip: this time to Chile. (…) I left for Chile with scientific matters, but also with the idea that any new trip means a new lesson. In just a few days, my plans were turned upside down by COVID-19. The scientific conference was canceled and I was to be stranded in Chile, from where I slipped with difficulty and after the adventures, among viruses - biological and ideological - to the American home in New Mexico. "

Florentin Smarandache

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http://fs.unm.edu/VirusiChile.pdf



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Smarandache's Books

Travel Albums

This photolog relates through images a travel in French Polynesia, and it constitutes a love photoletter to the ocean, the islands, and its inhabitants.

From the Dictionary of Greek and Roman Biography and Mythology: "Ôkeanos is the god of the river Oceanus, by which, according to the most ancient notions of the Greeks, the whole earth was surrounded."

Download from The Science Library at University of New Mexico – Gallup:
http://fs.unm.edu/Okeanos.pdf

Florentin Smarandache: **Okeanos.** *A photolog*. Bruxelles, Belgium: EuropaNova, 2015, 96 p.

Keywords: Photography, Travel, Oceania, French Polynesia.





Download from The Science Library at University of New Mexico – Gallup:
http://fs.unm.edu/AntarcticaTheEmpireOfWhiteness.pdf

Florentin Smarandache: **Antarctica: The Empire of Whiteness**. Brussels, Belgium: Pons, 2016, 136 p.

Keywords: Travel, Plancius, Antarctica, snow, penguin.

This album is a photolog of a cruise made by the author with the ship "Plancius" in the empire of whiteness which is Antarctica.

A few titles:
the shapes of whiteness
a closer look for some gods
the new white is blue
blue holes in the whiteness
white story
piercing the whiteness
antartification
running contest
reaching the sky
sleepology
the blue definition of whiteness
been there, done that
the end of a journey

Florentin Smarandache: **Heidelberg Fusion**. Brussels, Belgium: Pons, 2016, 186 p.

Keywords: Travel, Germany, Heidelberg, Frankfurt, Speyer, Neckar river, Odenwald valley, International Fusion Conference.

This album is a photolog of a one-week-long scientific & touristic trip in Germany, at Heidelberg, Frankfurt and Speyer, along Neckar river and Odenwald valley, with the occasion of the International Fusion Conference, held at the beginning of July 2016.

Download from The Science Library at University of New Mexico – Gallup:
http://fs.unm.edu/HeidelbergFusion.pdf



Florentin Smarandache: **Hielo*Fuego***. *En el sur de Sudamérica*. Brussels, Belgium: Pons, 2016, 68 p.

Keywords: Fotolog, Sudamérica, travel, glaciares, lagos, montañas, Argentina, Chile, glaciers.



Un álbum de fotos (fotolog) de un viaje en el sur de Sudamérica, entre glaciares, lagos y montañas en Argentina y Chile, después de regresar de una expedición en la Antártida.

A photo album (photolog) of a trip in southern South America, between glaciers, lakes and mountains in Argentina and Chile, after returning from an expedition in Antarctica.

Download from The Science Library at
University of New Mexico – Gallup:
http://fs.unm.edu/HieloFuego.pdf

Florentin Smarandache: **Vancouvering**. Brussels, Belgium: Pons, 2016, 116 p.

Keywords: Vancouver, Capilano river, Capilano canyon, Stanley Park, Vancouver Aquarium, seaplane, IEEE World Congress on Computational Intelligence, Canada.

This album is a photolog of a one-week long scientific & touristic trip in Vancouver and surroundings (Capilano river and canyon, Stanley Park, Vancouver Aquarium), also with the seaplane, with the occasion of the IEEE World Congress on Computational Intelligence (IEEE WCCI 2016), held at the Convention Center in Vancouver, Canada, end July 2016.

A few titles:
under the wing
steel seal
journeyfication
uncanny&eldritch
respite&go
marginal composition
partir c'est rappeler
soulfulness



Download from The Science Library at University of New Mexico – Gallup:
http://fs.unm.edu/Vancouvering.pdf

Florentin Smarandache: **Vietnam regaining the smile**. Brussels, Belgium: Pons, 2016, 136 p.

Keywords: Socialist Republic of Vietnam, Hanoi, Ho Chi Minh.



This album is a photolog of a three-weeks-long scientific & touristic trip in Vietnam; a country that - in the last century - surpassed wars and uncertainty and unrest, being nowadays in the midst of a new battle: that of regaining the smile. The brave nation of Vietnam - Smarandache asserts - proves it again and again, more and more: this battle is won every day.

A few titles:
Turrets in the woods
The light at the end of the tunnel
A fragment of a castle
Buddha of the bus
Lights and colors
Silence by the city
Building the future
Vietnamese underground
Snaking
Leaving Vietnam, dreaming back
The end of a journey, the beginning of a memory

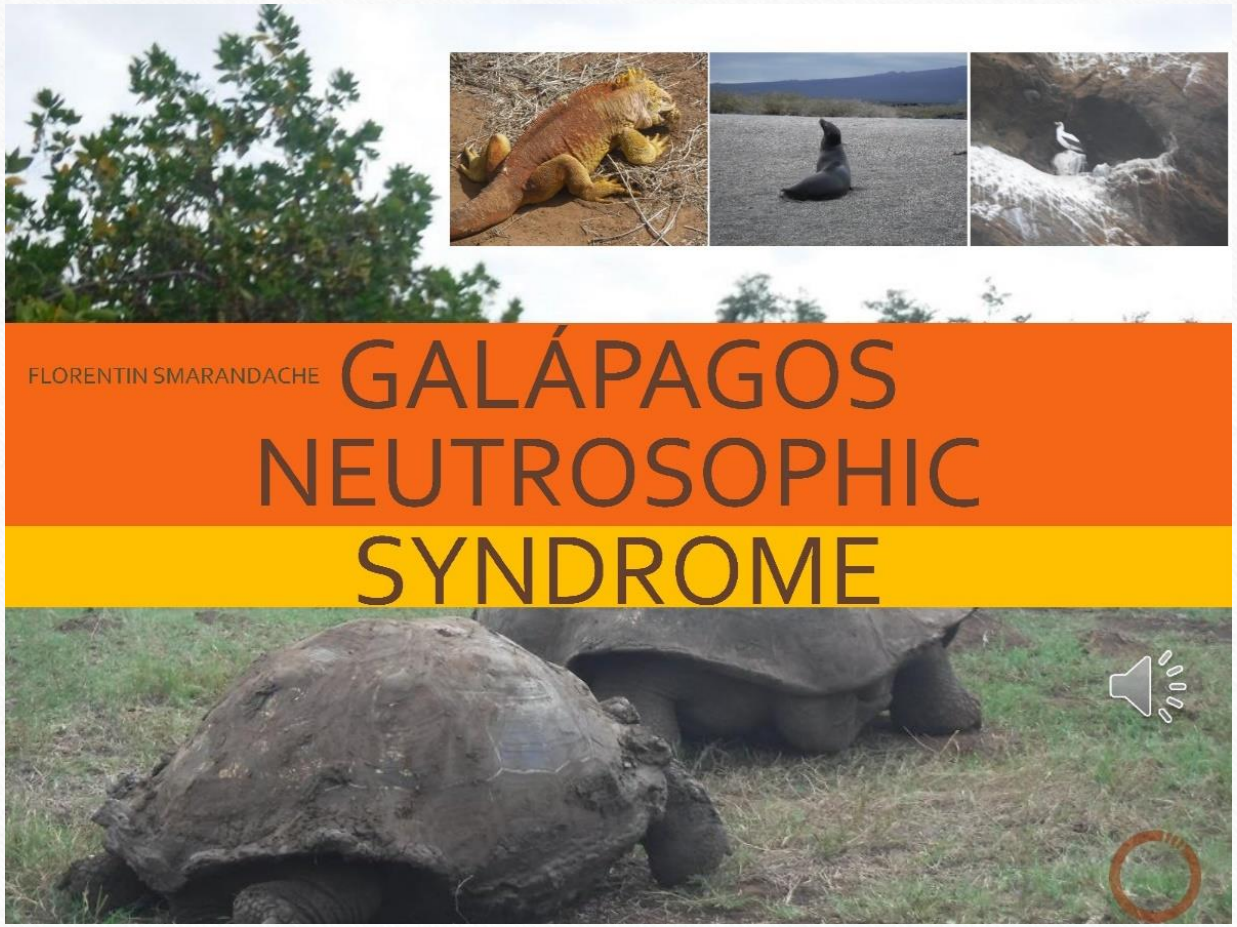
Download from The Science Library at University of New Mexico – Gallup:
http://fs.unm.edu/Vietnam-RegainingTheSmile.pdf

Florentin Smarandache: **Galápagos Neutrosophic Syndrome**. Sibiu, Romania: Agora, 2017, 100 p.

Keywords: Neutrosophy, Galapagos, Neutrosophic Theory of Evolution.

After following the footsteps of Emil Racoviţă in Antarctica (December 2015), I walked on the footsteps of Charles Darwin in the Galápagos Islands (December 2016). Observing different phenomena, I therefore introduced for the first time the Neutrosophic Theory of Evolution, Involution, and Indeterminacy (or Neutrality).

During the process of adaptation of a being (plant, animal, or human), to a new environment or conditions, the being partially evolves, partially devolves (degenerates), and partially is indeterminate i.e. neither evolving nor devolving, therefore unchanged (neutral), or the change is unclear, ambiguous, vague, as in neutrosophic logic. Thank to adaptation, one consequently has: evolution, involution, and indeterminacy (or neutrality), each one of these three neutrosophic components in some degree.



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http://fs.unm.edu/GalapagosNeutrosophicSyndrome.pdf



Download from The Science Library at University of New Mexico – Gallup:
http://fs.unm.edu/LaMitadDeLaTierra.pdf

Florentin Smarandache: **La mitad de la tierra, la mitad del cielo.** Sibiu, Romania: Agora, 2017, 100 p.

Keywords: Neutrosophy, Travel, Journal, Mitad del Mundo, Earth's Equator, Guayaquil, Quito, Playa Villamil, Plaza de Poncho, Otavalo, Rio Guayas, Santos del Rey Festival, Cotacachi.

Invited by the Faculty of Mathematical and Physical Sciences of the University of Guayaquil (Ecuador) to hold a conference, in Spanish, on applications of Neutrosophy (the scientific discipline he founded), Florentin Smarandache finds the perfect opportunity to produce a new photo album. If the precedent was given to us from the extreme south (Antarctica), this one is from the middle of the Earth (Equator). Beyond the neutrosophic conference, the author is fully sweetened by the landscape of the places and the local culture, capturing in images and short notes some historical, ethnographic, sociological, anthropological or gastronomic sequences.

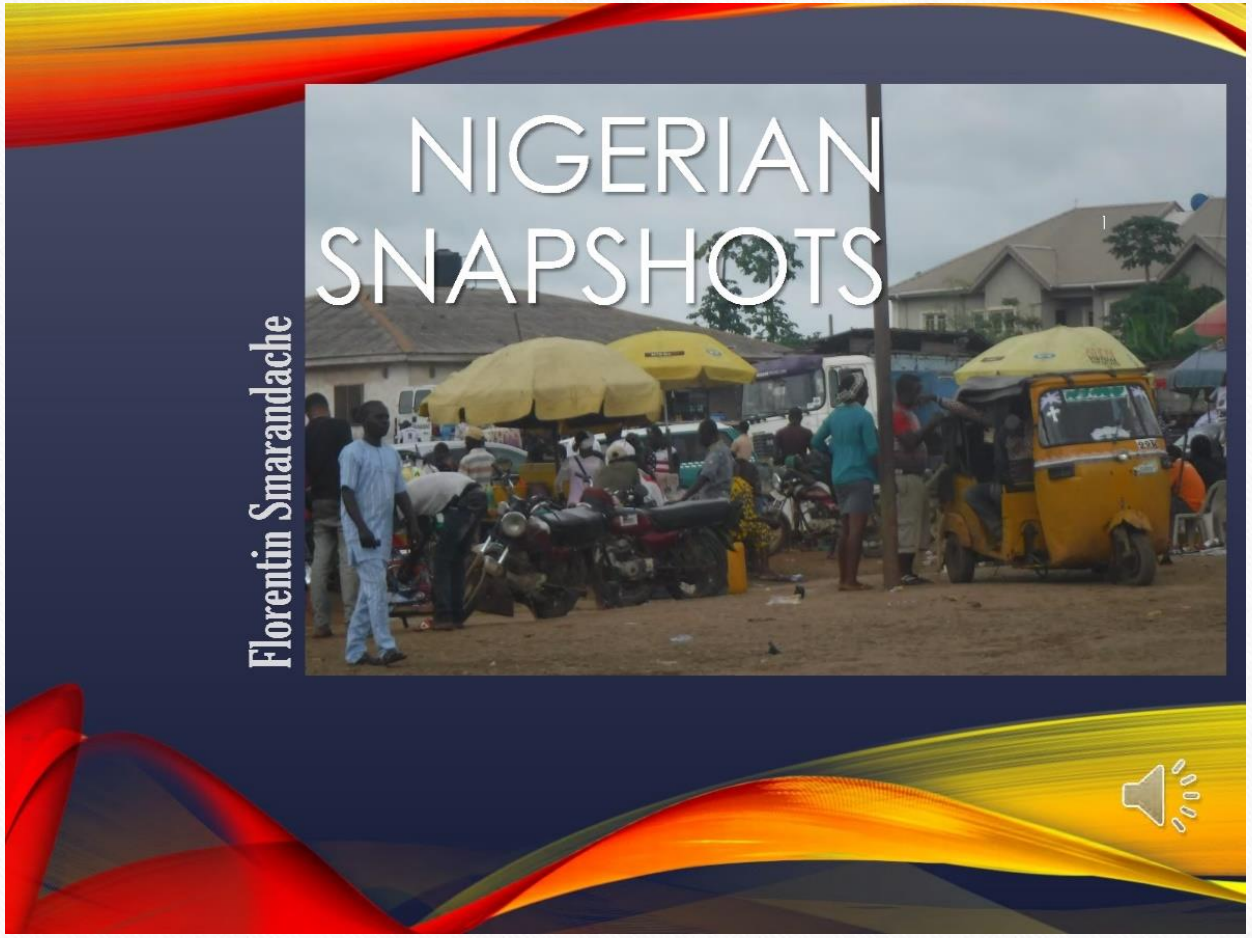
Alexandru Balogh

Florentin Smarandache: **Nigerian Snapshots**. *A photoalbum.* Suceava, Romania: Mingir, 2017, 140 p.

Keywords: Nigeria, Abeokuta, Ibadan, Lagos, neutrosophic logics, information fusion.

This photo album illustrates a scientific and cultural journey in Nigeria, at Universities in Abeokuta, Ibadan, and Lagos cities, where the author lectured about neutrosophic logics, information fusion, and their applications.

A few titles:
camber
crowded
green jalopy
severe sky
overdose
green alignment
closed forms
motor meeting
tipper lorry
tomfoolery
mickle
crock van



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http://fs.unm.edu/NigerianSnapshots.pdf

Florentin Smarandache: **2,565,000,000,000,000.** *A photoalbum.* Suceava, Romania: Mingir, 2018, 106 p.

Keywords: Greenland, Inuit, Polar Nights, Ice Cube, global sea level.



This is a photoalbum from Greenland. It follows Smarandache's instant photovideo journal Nopțile Polare Inuite (Inuit Polar Nights), published by Agora Editions, Romania, 2018.

2,565,000,000,000,000 Tonne Ice Cube sits on top of Greenland, weighting 2.565 quadrillion tonnes, with its mean height of over 2 km, and over 3 km at its thickest point. The global sea levels would raise by 23 feet if the ice of Greenland were to melt.

Excerpts:
"Enjoy my photographic journey from a place where nobody hear you screaming!"

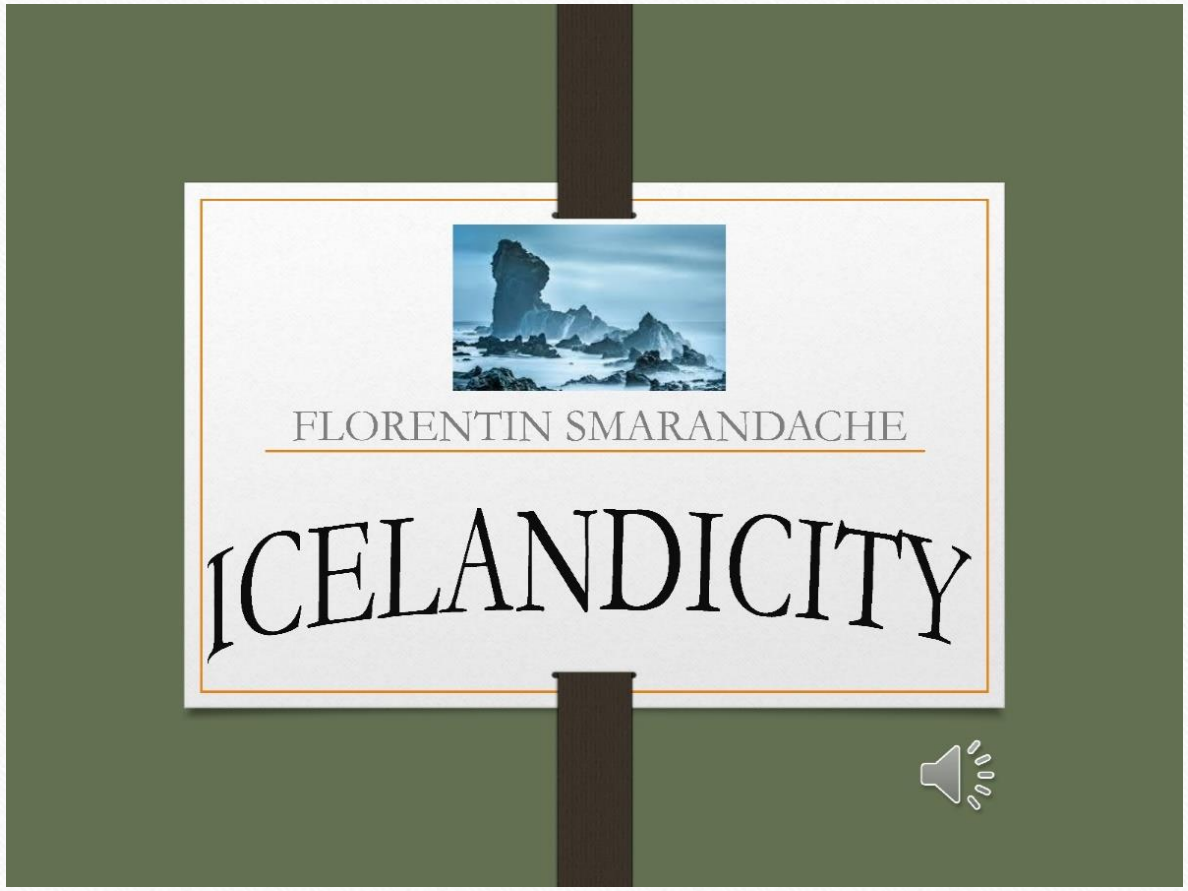
Florentin Smarandache

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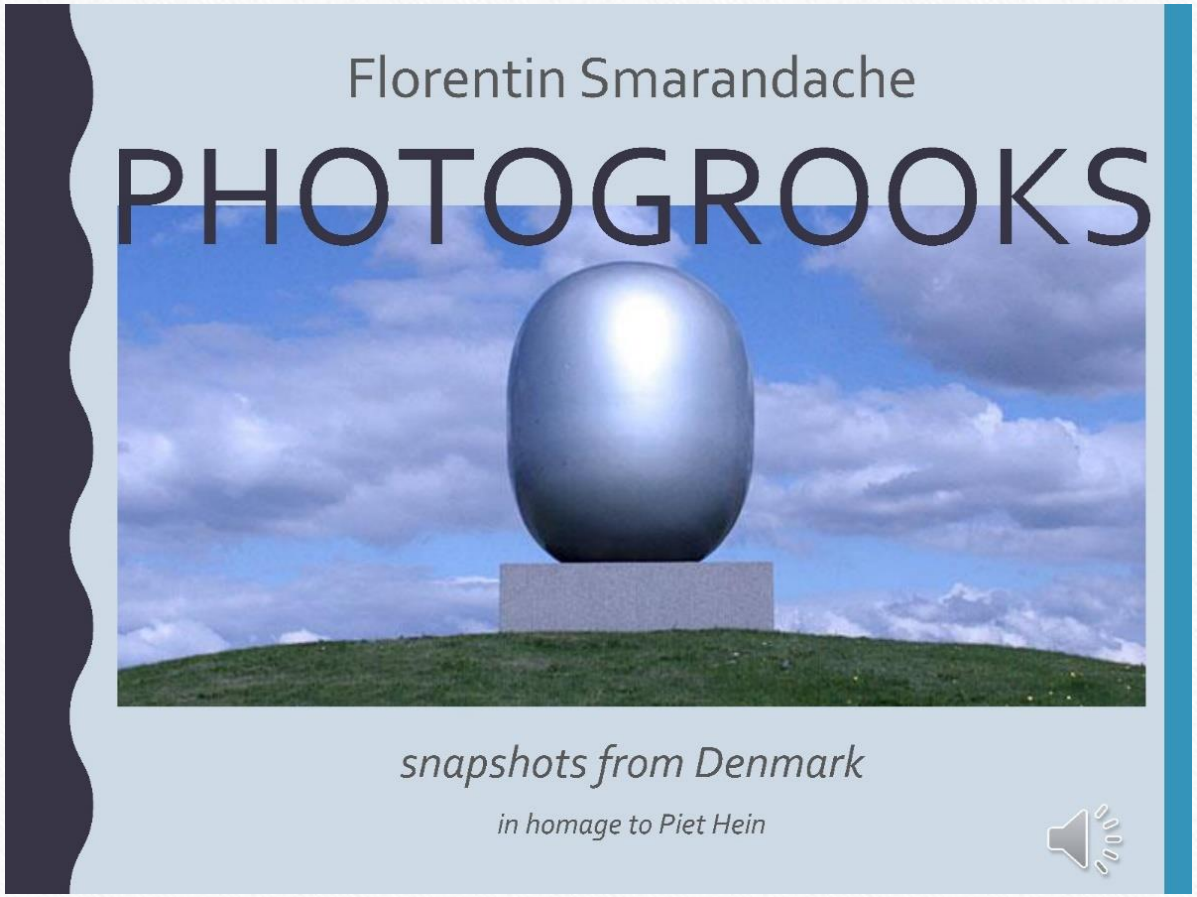
Florentin Smarandache: **Icelandicity**. *A photoalbum*. Suceava, Romania: Mingir, 2018, 90 p.

Keywords: Iceland, Reykjavík, Þingvellir, Bláskógabyggð, Geysir, Haukadalur, Strokkur, Laugarvatn, Sigriður, Sólheimajökull, Mýrdalsjökull, Vatnajökull, glaciers.

This is a photoalbum from Iceland: Reykjavík, Þingvellir National Park, Bláskógabyggð, Geysir, Haukadalur valley, Strokkur Geyser, Laugarvatn Lake, Sigriður path, Sólheimajökull, Mýrdalsjökull and Vatnajökull glaciers, Borgarnes, Hvannayri, Selfos and Hvolsvöllur cities, Eyjafjallajökull volcano, Reynisfjara beach, Vík í Mýrdal village, Borgarfjörður and Kollafjørður fiords, Hafnarfjall mountain, Gullfoss, Gljúfurárfoss, Hraunfossar and Barnafossar waterfalls, Húsafell geothermal swimming pool. It follows my instant photovideo journal Aurorae et tenebrae boreales, published by Agora Editions, Romania, 2018.



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While in Denmark, in my mind – the images fused with Hein's grooks, also giving me a chance to honor his original personality. — Florentin Smarandache

Download from The Science Library at University of New Mexico – Gallup:
http://fs.unm.edu/PhotoGrooks.pdf

Florentin Smarandache: **PhotoGrooks.** *Snapshots from Denmark. In homage to Piet Hein.* Suceava, Romania: Mingir, 2018, 98 p.

Keywords: Piet Hein, polymath, super ellipse curve, Grook, Scandinavian architecture, paradoxism, Super-egg, Skjern, Vestsjaelland-Sud, Slagelse, Denmark.

This photoalbum consists in a set of photographies taken in Copenhagen, Slagelse and surroundings during Smarandache's short visit in Denmark in May 2018 – with scientific purposes. The photographies hold as "title" almost exclusively a line, a few words, or a title extracted from Piet Hein's grooks, and they should be consequently connectedly "read"&"regarded". The grooks created by Piet Hein are spirit building mental improvisations, small aphoristic verses, revealing in a minimum of words basic truths about the human condition.

Piet Hein (1905-1996) was a Danish polymath (mathematician, inventor, designer, game inventor, poet). Hex, Tangloids, Morra, Tower, Polytaire, TacTix, Pyramystery, Soma cube are creative games developed by Hein. He created a new form of poetry, 'Grook' ("gruk" in Danish, short for 'GRin & sUK' - "laugh & sigh", in Danish), characterized by irony, paradox, brevity. He wrote over 10,000 of grooks, most in Danish or English, published in more than 60 books. Grooks are tangential with paradoxism. Piet Hein advocated the use of the super ellipse curve in city planning (later in furniture design and other realms), which became the hallmark of modern Scandinavian architecture. Hein defined art as a way of thinking about all subjects. He asserted that the great cultural divide is not between the haves and the have-nots, but between the knows and the know-nots.

Florentin Smarandache: **Pakistanibbles**. *An instant photoalbum*. Sibiu, Romania: Agora, 2018, 90 p.

Keywords: Pakistan, COMSATS, Information Technology Institute, Abbottabad, nibble.

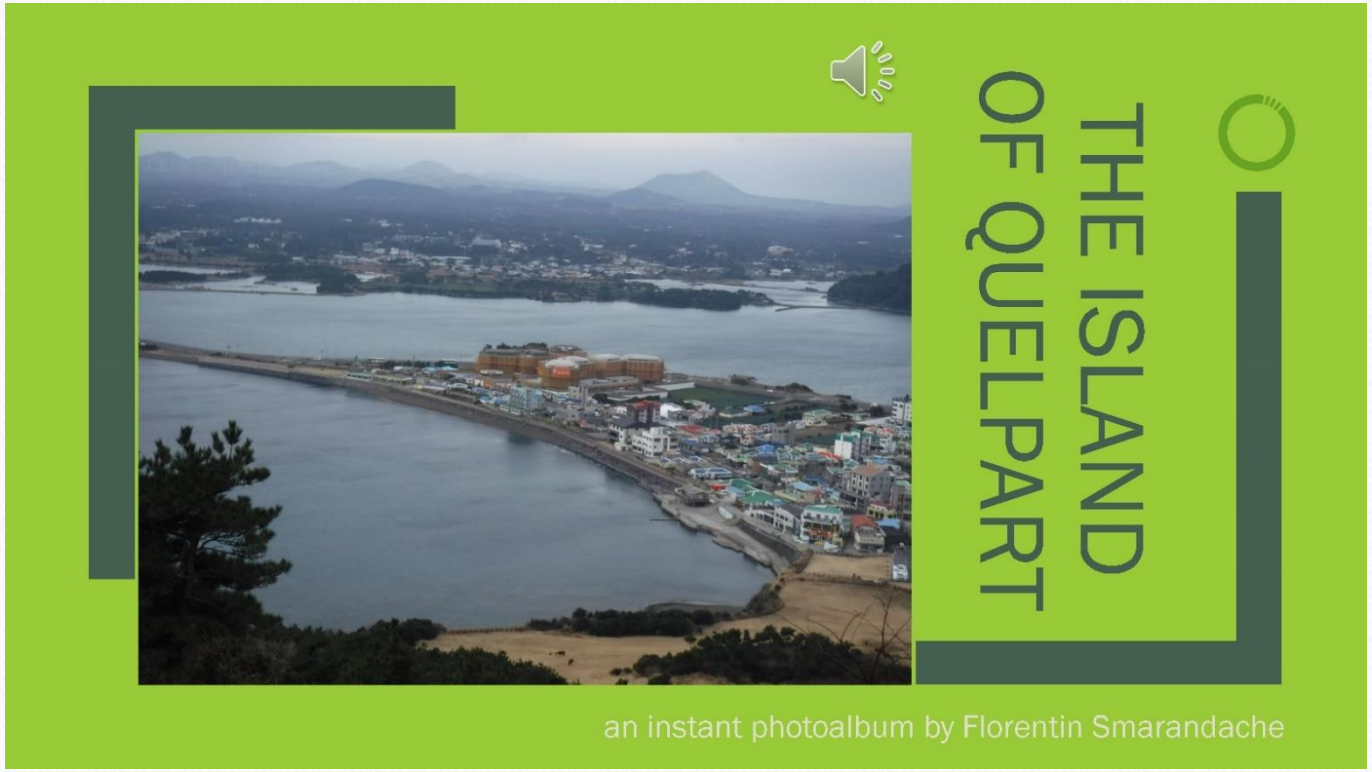
Download from The Science Library at
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http://fs.unm.edu/Pakistanibbles.pdf

This album displays instant photographies taken in Pakistan, during a two-week scientific visit to the Department of Mathematics of the COMSATS Information Technology Institute in Abbottabad, where Smarandache was invited in December 2017 to lecture on neutrosophic topics to professors and PhD students. The title of this photoalbum combines metaphorically the country name with the verb nibble, meaning, according to Cambridge Dictionary, to eat something by taking a lot of small bites; to bite something gently and repeatedly. This photojournal is accompanied by an instrumental performance of Pakistani traditional musical instruments.



Florentin Smarandache: **The Island of Quelpart.** *A photoalbum.* Sibiu, Romania: Agora, 2018, 80 p.

Keywords: South Korea, Jeju Island, Jeju dialect, Manjanggul Lava Tube, Seongsan Ilchulbong, Mount Hallasan, Seongeup Folk Village, Quelpart, Dutch Quelpart, Hendrik Hamel.



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http://fs.unm.edu/TheIslandOfQuelpart.pdf

This album displays instant photos of Jeju Island in South Korea, which Smarandache visited in scientific purposes in January 2018. The photos were taken in common places and touristic spots, like Manjanggul Lava Tube, Seongsan Ilchulbong, a volcanic tuff cone and crater, Mount Hallasan, the island's central dominant peak, or Seongeup Folk Village.

The Jeju island is the largest island in South Korea, 73km wide and 41km long, with a total area of 1,848 km. Jeju came into existence 700 to 1,200 thousand years ago when lava spewed from a sub-sea volcano. Mt. Halla rises in the center of Jeju to 1950m above sea level.

Relatively isolated from the rest of the world, the island's nature has been well preserved in its prehistoric state, being designated a UNESCO World Natural Heritage in 2007 for its scenic and scientific value. The island was annexed by Korea in 1105. During the subsequent 500-year Joseon dynastic reign, Jeju was a place of political exile. The dialect spoken on Jeju Island is known for being almost incomprehensible to speakers of standard Korean.

To Europeans, the island was known as Quelpart. The name came from the first European ship to spot the island, the Dutch Quelpart, led up by Hendrik Hamel, in 1653.

Florentin Smarandache: **Un domingo dominicano.** *Instantáneas de República Dominicana.* Brussels, Belgium: Pons, 2018, 100 p.

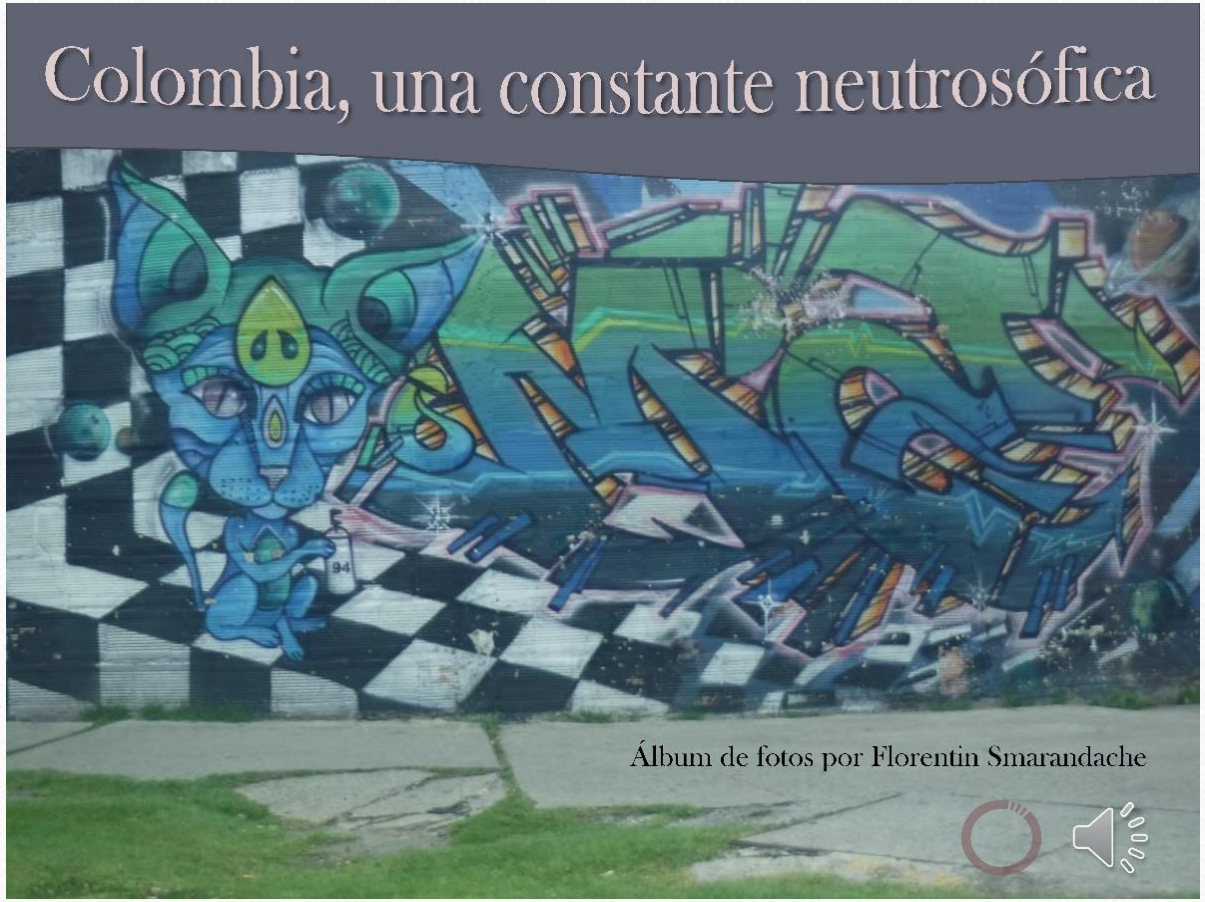
Keywords: República Dominicana, Pedro Mir, Poetry, Hay un país en el mundo, Contracanto a Walt Whitman, Seis momentos de esperanza, Poemas de buen amor y a veces de fantasía, Amén de mariposas.

Este álbum fotográfico es una extensión del fotovideo-libro de viajes *Dominicana-mente* (Florentin Smarandache: *Dominicana-mente*. Sibiu, Rumania, 2018, 90 p. En rumano), después de una visita científica que hice a la República Dominicana en julio y agosto de 2018. Los títulos de las fotos de este álbum son un rompecabezas compuesto exclusivamente de fragmentos de los poemas de Pedro Mir (1913-2000), el gran escritor dominicano, considerado el Poeta Nacional de la República Dominicana.

This photographic album is an extension of the travel photovideo book *Dominicana-mente* (Florentin Smarandache: *Dominicana-mente*. Sibiu, Romania, 2018, 90 p. In Romanian), after a scientific visit Smarandache made to the Dominican Republic in July and August of 2018. The titles of the photos in this album are a puzzle composed exclusively of fragments of the poems of Pedro Mir (1913-2000), the great Dominican writer, considered the National Poet of the Dominican Republic.



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http://fs.unm.edu/UnDomingoDominicano.pdf



Florentin Smarandache: **Colombia, una constante neutrosófica.** *Álbum de fotos. Títulos extraídos de poemas de José Asunción Silva.* Sibiu, Rumania: Agora, 2019, 100 p.

Keywords: Colombia, Bogotá, Bucaramanga, José Asunción Silva, De sobremesa, Poesías.

Este es un álbum de fotos de Colombia, realizado por Florentin Smarandache durante una visita científica y cultural, en Bogotá, Bucaramanga y otras localidades, en julio y agosto de 2019.

Colombia está abierta a dos océanos: Atlántico y Pacífico. El clima es tropical, pero más fresco en la zona montañosa, y cálido en las zonas de baja altitud. En cada área, la temperatura es relativamente constante durante todo el año, ± 2 veces 3˚C. Yo lo llamaría una constante neutrosófica.

Los títulos que acompañan a las fotografías son versos extraídos de la obra poética del gran escritor colombiano José Asunción Silva.

José Asunción Silva (1865-1896) fue un poeta colombiano e importante precursor del modernismo español. Silva nació en la riqueza. Viajé mucho por Europa (1884-1886), donde conocí a Oscar Wilde y Stéphane Mallarmé. La ruina de su familia en la guerra civil de 1885 obligó a su regreso. Trabajó como secretario de la Legación colombiana en Venezuela (1894). Perdió sus manuscritos en un naufragio en su viaje de regreso a Colombia y se suicidó. Las obras de Silva son el póstumo De sobremesa (1925), una novela autobiográfica, y Poesías (1910). A pesar de su brevedad, ambos son revolucionarios en tema y técnica.

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http://fs.unm.edu/ColombiaUnaConstanteNeutrosofica.pdf

Florentin Smarandache: **Lisboa, sangue ultramarine.** *Seqüências fotográficas portuguesas.*
Brussels, Belgium: Pons, 2019, 70 p.

Keywords: Lisboa, Lisbon, Vasco da Gama, Leite de Vasconcelos, Museu Etnológico de Belém, João Gonçalves Zarco.



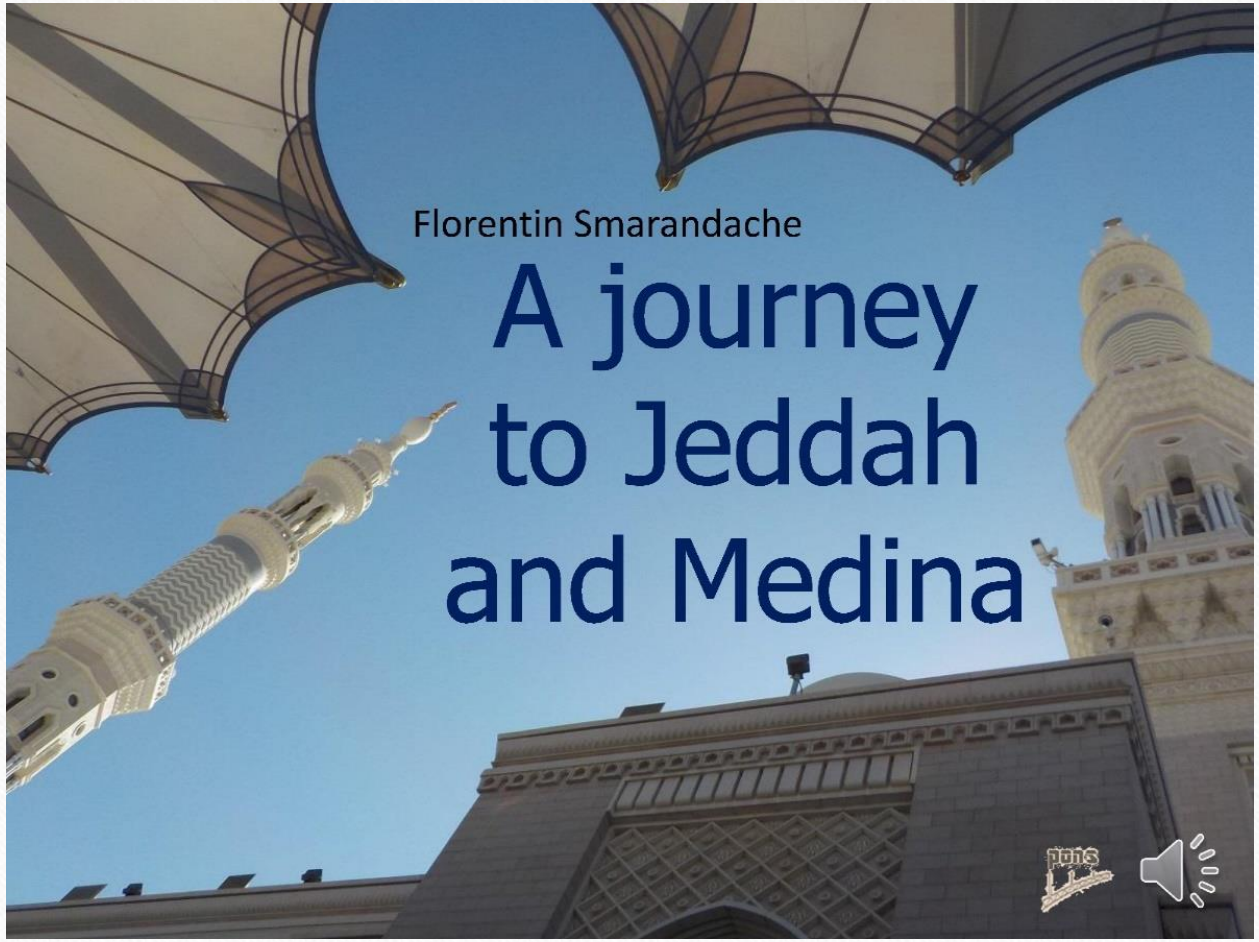
This photo album reflects a trip to Portugal in late 2018 and early 2019. The photo titles are generally metaphorical.

Este álbum de fotos reflete uma viagem a Portugal no final de 2018 e início de 2019. Os títulos das fotos geralmente são metafóricos.

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http://fs.unm.edu/LisboaSangueUltramarine.pdf

Florentin Smarandache: **A journey to Jeddah and Medina.** *A photoalbum*. Brussels, Belgium: Pons, 2019, 100 p.

Keywords: King Abdulaziz University, Jeddah, Medina, Neutrophic Set, Neutrophic Logic, Mohammed Alshumrani, Cenap Ozel, Uhud mountain, bazaar.



Excerpts:

"The present album is a collection of photos from my travel to Saudi Arabia in the cities of Jeddah and Medina, in December 2018. The trip was occasioned by the invitation of King Abdulaziz University in Jeddah to deliver a presentation at the seminar "History of Neutrophic Set and Logic and their Applications", regarding the evolution and development of neutrosophic set, logic, probability and statistics."

Florentin Smarandache

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http://fs.unm.edu/SaudiArabia.pdf

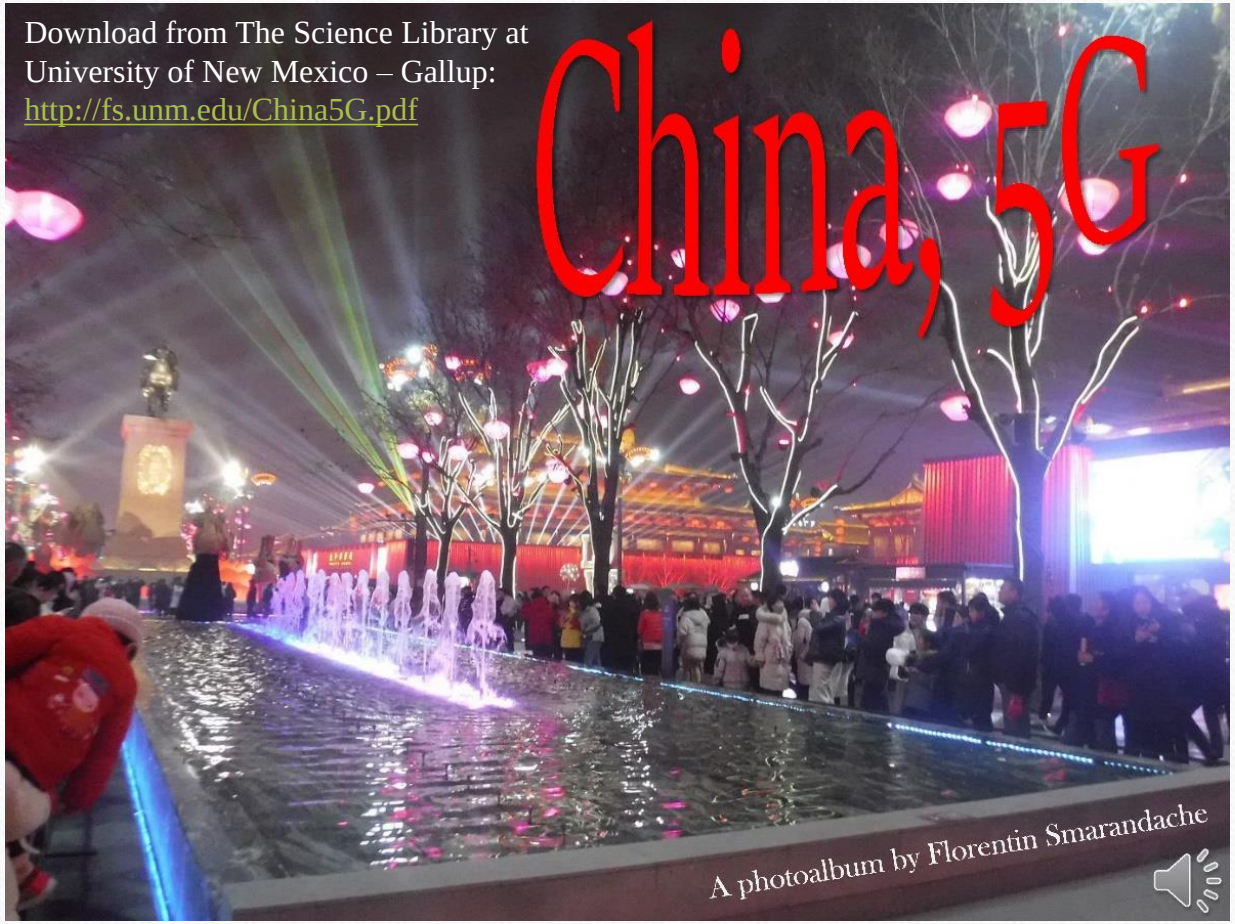
This is a photoalbum of my fifth visit to Popular Republic of China, accomplished in December 2019 mainly with the occasion of The International Conference on Data Intelligence & Neutrosophic Sets with Applications (DINSA 2019), held in Xi'an, at the Shaanxi University of Science and Technology. I also lectured at or visited the Xi'an Polytechnic University, the Historical Museum of the Polytechnic University of Xi'an, the Library of Shaanxi University of Science and Technology, Nordwest University of Xi'an, Datang Botanical Garden, Ginwa Plaza, and other places.

Excerpts:

"My Chinese colleagues are proud of their country's achievements, competing with the United States. In cyberspace, China is the only country that has entered 5G through their Huawei company, and the only one that uses quantum telecommunication. The dam on the Yangzi River is the largest dam in the world. The Chinese train is the fastest and most modern in the world, surpassing the Japanese and the French. In 2011, I traveled from Beijing to Xi'an on a very comfortable Chinese train. And the Shanghai Tower (which I climbed in 2011) is the second tallest in the world, after the one in Dubai. On the unseen side of the Moon only the Chinese have so far managed to send a spacecraft. From the military point of view, China is in a fierce competition with the United States, and Russia [the three power-poles of the world], owning 100 military satellites at present and having been able to experience since 2007 the destruction of a satellite with a ground-to-air missile. In Shenzhen, where I went in 2012, there is a Hitech Park with 600,000 programmers, strongly competing with Silicon Valley."

Florentin Smarandache

Download from The Science Library at
University of New Mexico – Gallup:
http://fs.unm.edu/China5G.pdf

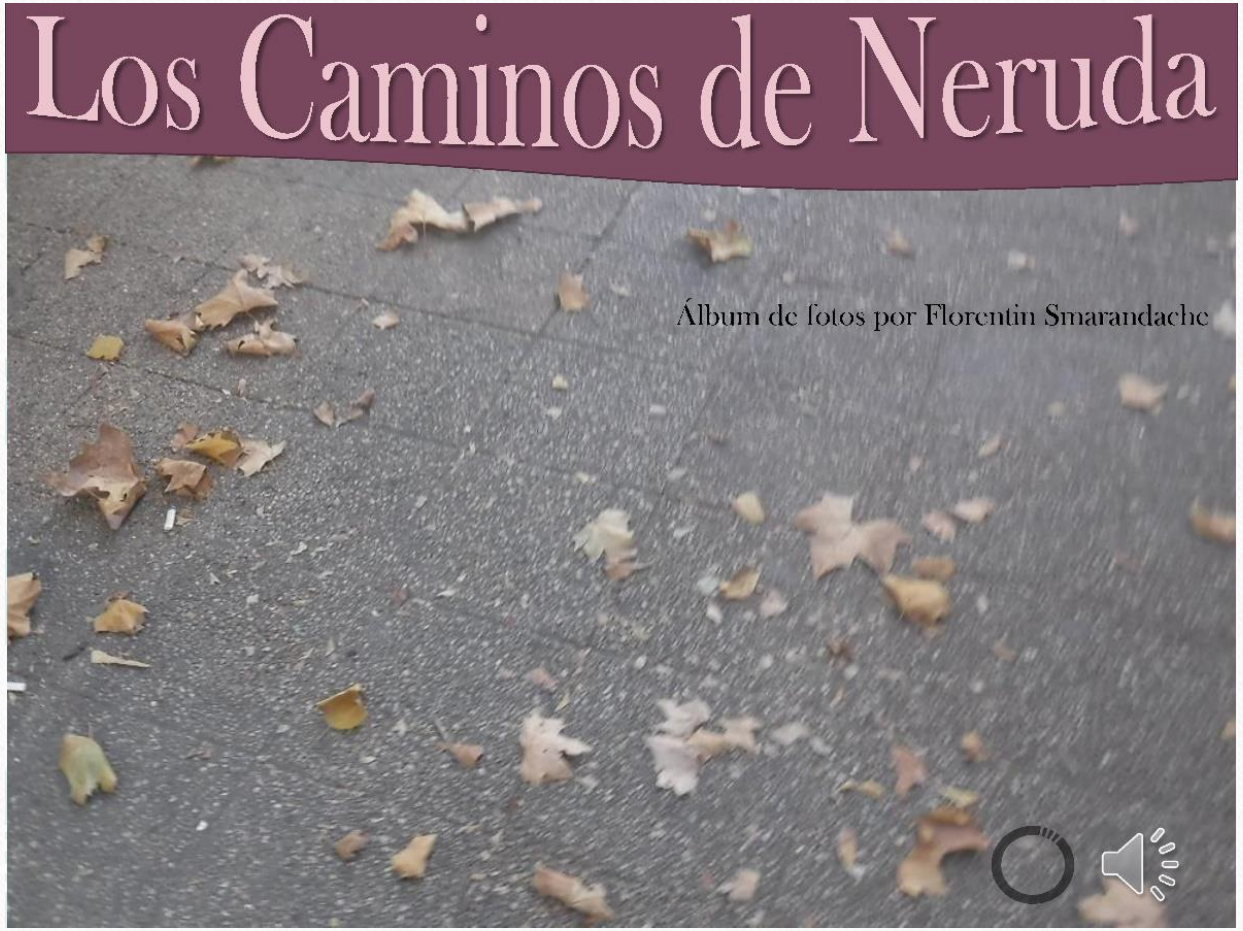


Florentin Smarandache: **China, 5G.** *A photoalbum*. Brussels, Belgium: Pons, 2019, 50 p.

Keywords: Shaanxi University of Science and Technology, Xi'an, Datang Botanical Garden, Ginwa Plaza, Tang Chan Hotel, Bai Juyi.

Florentin Smarandache: **Los caminos de Neruda**. *Álbum de fotos.* Sibiu, Romania: Agora, 2020, 80 p.

Keywords: COVID-19, Santiago de Chile, Universidad de Chile, Rapa Nui, Pablo Neruda, Plaça Italia, Plaça de la Unidad, Salvador Allende.



Este es un álbum de fotos de Chile, realizado por Florentin Smarandache durante una visita científica y cultural planificada, interrumpido por la crisis del coronavirus en marzo de 2020.

Los versos que acompañan a las fotografías son extraídos de la obra poética del gran escritor chileno Pablo Neruda.

This is a photo album from Chile, made by Florentin Smarandache during a planned scientific and cultural visit, interrupted by the coronavirus crisis in March 2020.

The verses that accompany the photographs are taken from the poetic work of the great Chilean writer Pablo Neruda.

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http://fs.unm.edu/LosCaminosDeNeruda.pdf

This photoalbum contains photographies made during Smarandache's trip to Alaska in august 2009 (Anchorage, Fairbanks, Portage Creek, Prince William glacier, Tiulana lake, Ship Creek, Chugach park, Seward, Mouse Pass, Denali National Park & Preserve).

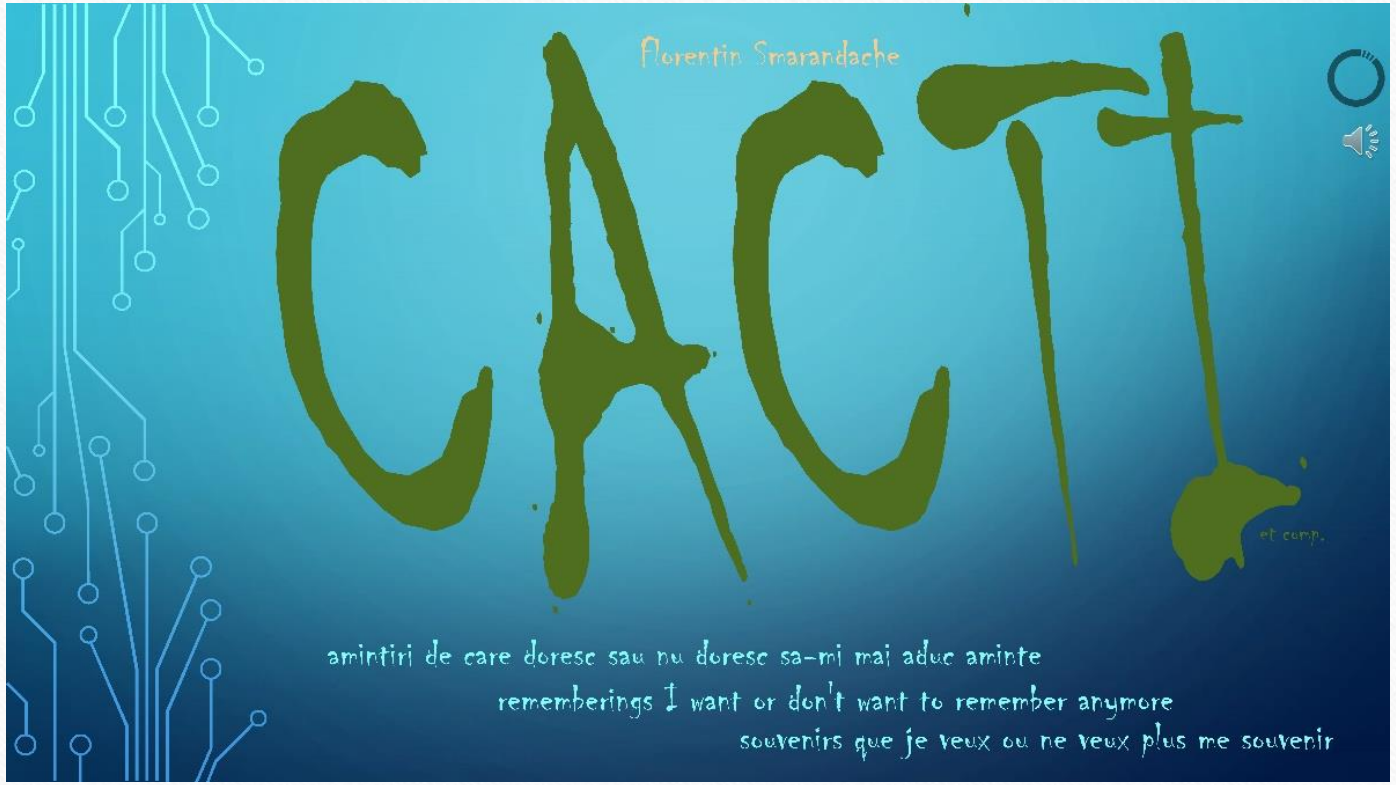
The title-lines are distinctive poetry lines of poets in connection with Alaska: John Burroughs (6, 7, 8, 14, 19, 20, 21, 36), Charles Keeler (5, 9, 15, 17), Robert W. Service (16, 34, 37, 38, 40, 43), John Haines (25, 26, 28, 30, 31, 35), Richard Dauenhauer (12, 13, 18, 22, 33, 42), and Sheila Nickerson (10, 11, 23, 27, 29, 32, 39).



Florentin Smarandache: **Alaska: The Snowbound World.** *A photoalbum.* Brussels, Belgium: Pons, 2020, 50 p.

Keywords: Alaska, Anchorage, Fairbanks, Portage Creek, Prince William glacier, Tiulana lake, Ship Creek, Chugach park, Seward, Mouse Pass, Denali National Park & Preserve, John Burroughs, Charles Keeler, Robert W. Service, John Haines, Richard Dauenhauer, Sheila Nickerson.

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http://fs.unm.edu/AlaskaTheSnowboundWorld.pdf



Florentin Smarandache: **Cacti et comp. Rememberings I want or don't want to remember anymore.** *A trilingual photoalbum (Romanian-English-French).* Sibiu, Romania: Agora, 2020, 72 p.

Keywords: Larrea tridentata, Acacia neovernicosa, Flourensia cernua, Psorothamnus scoparius, Echinocereus polyacanthus, Ferocactus pilosus, Muhlenbergia porteri, Bouteloua gracilis, Bouteloua breviseta, Bouteloua hirsuta, Agave lechuguilla.

Excerpts:

"This photo album combines images with cacti and other desert plants with some memories from my youth. The photos are taken in the American deserts, near the town where I lived for two decades, Gallup. The memories that sometimes I want, and other times I don't want to remember come from my youth spent in Romania."

"Cet photo album combine des images de cactus et autres plantes du désert avec quelques souvenirs de ma jeunesse. Les photos sont prises dans les déserts américains Chihuahuan, Mojave, Sonoran, et Great Basin, près de la ville où j'ai vécu pendant deux décennies, Gallup. Les souvenirs que parfois je veux et parfois je ne veux pas me souvenir viennent de ma jeunesse passée en Roumanie."

"Acest fotoalbum combină imagini cu cactuși și alte plante de deșert cu câteva amintiri din tinerețea mea. Fotografiile sunt realizate în deșerturile americane Chihuahuan, Mojave, Sonoran și Great Basin, în relative proximitate a orășelului în care m-am aciuat de două decenii, Gallup (New Mexico). Amintirile de care uneori doresc, iar alteori nu doresc să-mi mai aduc aminte provin din tinerețea petrecută în România."

Florentin Smarandache

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University of New Mexico – Gallup:
http://fs.unm.edu/CactiEtComp.pdf

Florentin Smarandache: **Chasing the light.** *A photoalbum.* Brussels, Belgium: Pons, 2020, 54 p.

Keywords: Antelope Canyon, Arizona, Page, Navajo.

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http://fs.unm.edu/ChasingTheLight.pdf

Carved from the sandstone for millennia by flood rains and wind, Antelope Canyon - one of nature's most wondrous creations - is located near Page (Arizona, USA). This slot canyon is somehow not visible from the outside. Upon entering the "gate", a winding corridor lead the visitor through several "rooms" with soft sandy floors. As the sun moves across the sky, the shifts of light flow down from the rim of the canyon, and the views change constantly, creating a dazzling scenery of color and light. Featured in Hollywood films and magazine publications around the world, Antelope Canyon is composed from two sections, The Crack (Upper Antelope Canyon), and The Corkscrew (Lower Antelope Canyon). In Navajo language, the Upper Antelope Canyon is called Tsé'bighanilí – "The place where water runs through," and the Lower Antelope Canyon is called Hazdistazí – "Spiral Rock Arches."



Antelope Canyon is a scenic canyon in Arizona state, USA, on Navajo land, near city of Page, including two sections, The Crack (Upper Antelope Canyon), and The Corkscrew (Lower Antelope Canyon), accessible only via guided tour; it is the photographer's dream, but photography is very difficult due to the exposure range (10 EV or more).

Excerpts:

"This photoalbum is composed by pictures taken during a visit in Antelope Canyon, in November 2012, following the light reflecting off the canyon walls, to which I associated word-titles consisting in instant comparisons, as inspired by the so-captured supernatural appearance."

Florentin Smarandache



Florentin Smarandache: **Dor**. *Fotoalbum*. Sibiu, Romania: Agora, 2020, 68 p.

Keywords: Motru, Cerna, Ponoarele, Câmpurile de Lapiezuri, Lacul Zăton, Podul lui Dumnezeu, Bălcești.

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http://fs.unm.edu/Dor.pdf

"România este țara mea. M-am născut, am crescut, am învățat în România. Când am hotărît să plec din țara mea, nu de dânsa am fugit, ci de relele care o cuprinseseră. În lagăr, în exil și în toată lumea pe unde am străbătut, am rămas român.

Limba română e limba în care merg, în care matematicesc, în care dorm (și nu prea), în care mă sfădesc și mă împac cu gândurile mele, cu mine, cu lumea și cu ceilalți. Căci, mai presus de orice, limba română e, pentru mine, limba sentimentelor mele. Limba dorului meu. Acest album foto-poetic agrăiește despre asta.

Din mulțimea de fotografii pe care le-am realizat în România sau le-am primit din România de-a lungul vremii, am ales să ilustrez aici acest dor cu un ciclu de imagini realizate în timpul ședерii mele din vara anului 2014, în zona Bălceștilor natali (jud. Vâlcea), inclusiv din casa părintească, și din zona Motrului (jud. Gorj), unde am petrecut cu prieteni.

Portpuriul poetic pe care l-am lipit de aceste imagini este alcătuit din poezii sau fragmente de poezii pe care le-am publicat în tinerețe, versuri – cum se spunea cândva – patriotice și versuri care anticipau dorul ce urma să vină, cald și dureros, bântuitor și înger păzitor…"

Florentin Smarandache

Excerpts:
"J'aime voyager. J'adore les routes. Je conduis, je regarde, je médite, j'écoute de la musique ou des livres audio, arfois j'écris avec la maine droite même de courtes notes dans un cahier, tandis que je garde le volan avec la main gauche. J'ai beaucoup roulé, surtout sur les routes du sud-ouest des États-Unis.

Les photos qui composent cet album sont sélectionnées parmi les centaines de photos avec des routes que j'ai réalisé au fil du temps. J'ai ajouté une méditation latine à chaque photo, avec la traduction (ou l'équivalent) française.

Chaque méditation appartient à un auteur qui s'est exprimé en latin depuis deux millénaires (et presque demi). Un index avec ces auteurs se trouve à la fin de l'album.

Cet album se veut à la fois un éloge des routes et des voyages, mais aussi de la langue latine, dont aujourd'hui, peut-être, on se débarrasse trop facilement, à en juger par le nombre de choses sages que l'on pourrait exprimer à travers ses mots."

Florentin Smarandache

Download from The Science Library at University of New Mexico – Gallup:
http://fs.unm.edu/HitTheRoad.pdf



Florentin Smarandache: **Hit the road, Florentin Smarandache! Pedibus calcantibus / En piétinant.** *Un album photo avec de nombreuses expressions proverbiales latines.* Sibiu, Romania: Agora, 2020, 52 p.

Keywords: Axel Gustafsson Oxenstierna af Södermöre, Petrus Abaelardus, Prudentius, Decimus Magnus Ausonius, Johannes Parvus, Priscianus Caesariensis, Quintus Aurelius Symmachus.

This photoalbum contains photographies made during a trip to Yellowstone National Park in October 2009. The title-lines are words and expressions in Latin, describing instant feelings, thoughts and impressions.



Download from The Science Library at University of New Mexico – Gallup:
http://fs.unm.edu/LapisFlavus.pdf

Florentin Smarandache: **Lapis flavus.** *A photoalbum.* Brussels, Belgium: Pons, 2020, 90 p.

Keywords: Yellowstone National Park, Old Faithful, West Thumb, Fort Yellowstone, Norris Geyser Basin, Mammoth Hot Springs, Teton Range, Jackson, Moab, Roosevelt Arch, Grand Canyon of the Yellowstone River, Lookout Point, Red Rock Point, Artist Point, Cascade Creek, Crystal Falls, Hayden Valley, Canyon Village.

A few titles:
fulminare: to flash with thunderbolts
in posse: potentially
januis clausis: with closed doors
lex loci: law of the place
non obstante: notwithstanding
prima facie: at first sight
ex mero motu: out of pure simple impulse
quieta non movere: don't move the settled
vis inertiae: power of inaction
punctatim: point by point
fons et origo: source and origin
nunc pro tunc: now for then
apricus: full of sunlight
rebus sic stantibus: things thus standing
pari passu: at equal pace
ecce signum: behold the sign

Florentin Smarandache: **Texturized Hoodoos.** *A photoalbum from Bryce Canyon National Park.*
Brussels, Belgium: Pons, 2020, 52 p.

Download from The Science Library at
University of New Mexico – Gallup:
http://fs.unm.edu/TexturizedHoodoos.pdf

Keywords: Bryce Canyon National Park, Utah, Paunsaugunt Plateau, texturized images, hoodoo.

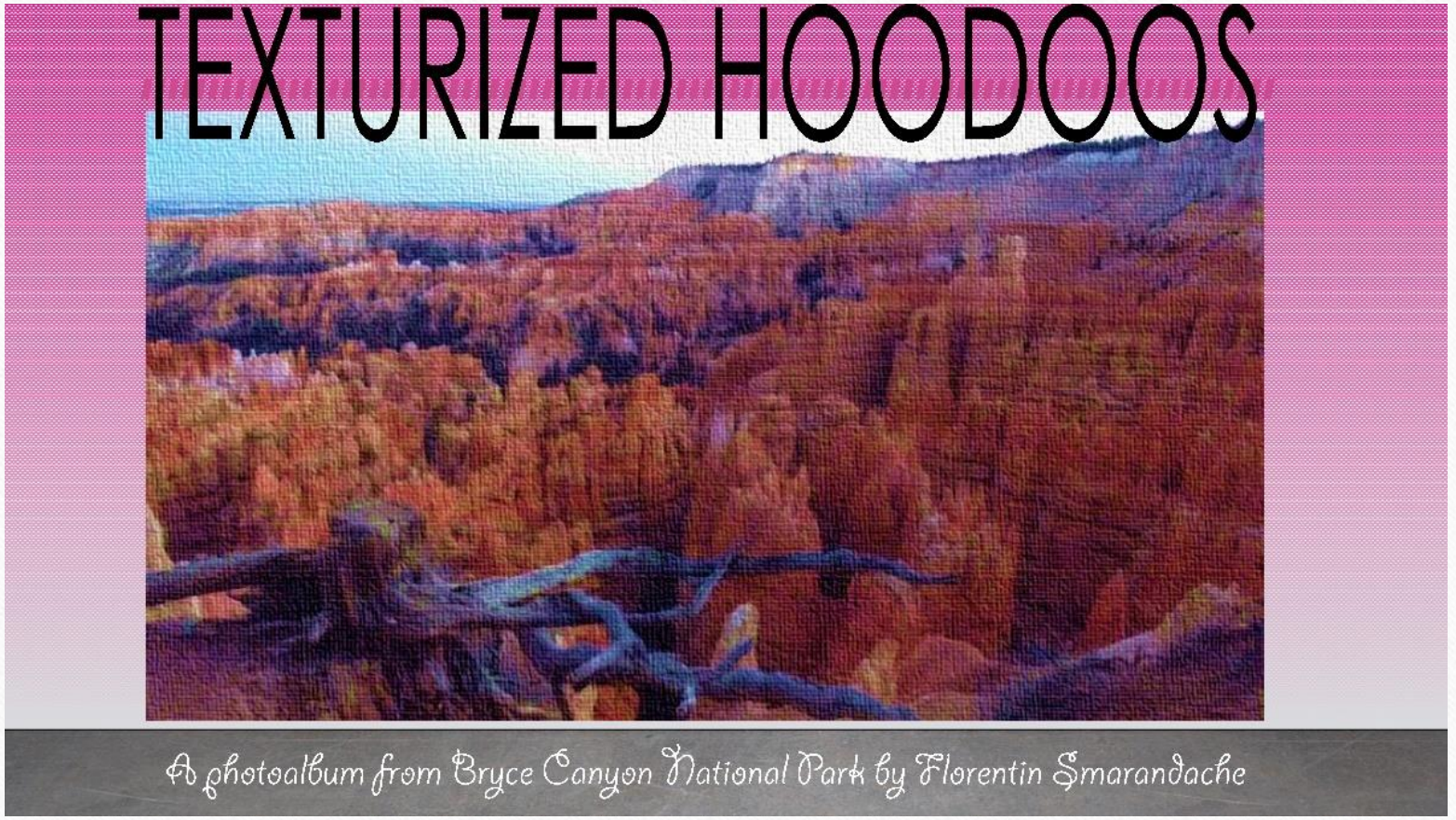
Excerpts:
"This photoalbum contains photos taken in Bryce Canyon National Park of the Paunsaugunt Plateau in Southern Utah, USA, during a trip I made in November 2012.

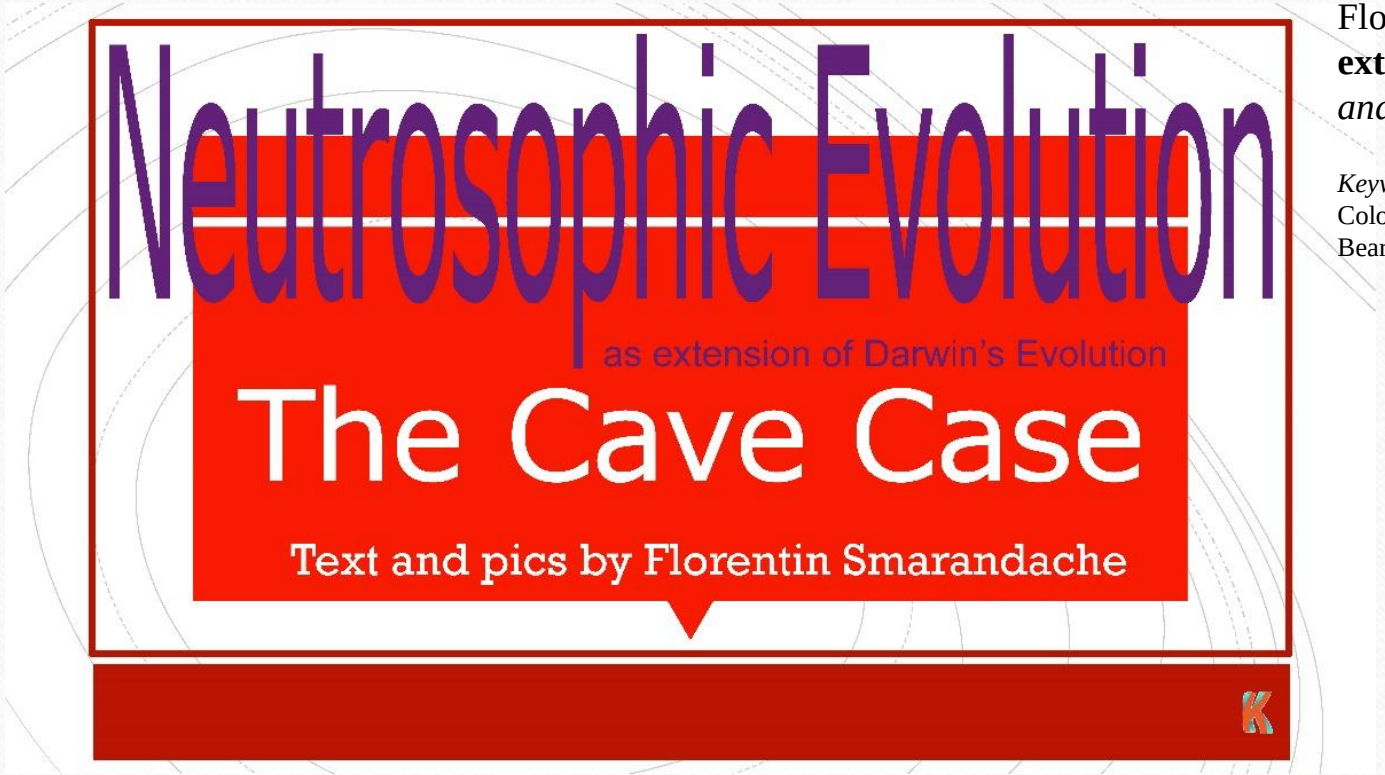
The colorful formations of limestones, sandstones, and mudstones are shaped by erosion, and collectively called "hoodoos".

The pictures herein were computer-texturized, and personalized in color saturation or tone.

Geographical, geological, ecological, historical, cultural, and touristic information about Bryce Canyon National Park are given along with the images."

Florentin Smarandache





Florentin Smarandache: **Neutrosophic Evolution as extension of Darwin's Evolution: The Cave Case.** *Text and pics.* Oradea, Romania: Kalendarium, 2020, 90 p.

Keywords: Carlsbad Caverns, Grand Canyon Caverns, Kartchner Caverns, Colossal Cave, Mitchell Caverns, Boyden Cave, Crystal Cave, Subway Cave, Bear Gulch Cave, Lehman Caves, Timpanogos Cave.

This photoalbum presents images from the caves the author visited in the Southwestern United States, and wants to popularize the theory of neutrosophic evolution (degrees of evolution, indeterminacy, and involution), offering new evidences in favor of it, extracted from biospeleology.

Excerpts:

"During the process of adaptation of a being (plant, animal, or human), to a new environment or conditions, the being partially evolves, partially devolves (degenerates), and partially is indeterminate i.e. neither evolving nor devolving, therefore unchanged (neutral), or the change is unclear, ambiguous, vague, as in neutrosophic logic. Thank to adaptation, one therefore has: evolution, involution, and indeterminacy (or neutrality), each one of these three neutrosophic components in some degree. The degrees of evolution / indeterminacy / involution are referred to both: the structure of the being (its body parts), and functionality of the being (functionality of each part, or inter-functionality of the parts among each other, or functionality of the being as a whole). We therefore introduced for the first time the Neutrosophic Theory of Evolution, Involution, and Indeterminacy (or Neutrality)."

Florentin Smarandache

Download from The Science Library at University of New Mexico – Gallup:
http://fs.unm.edu/NeutrosophicEvolution.pdf

Excerpts:

"During my many trips around the world, I sometimes captured images of waters and skies, mostly in conjuction, and associated them with not very common English words – in an attempt to describe the instant feelings which the visual sceneries transmitted to me.

In this photoabum, I amalgamated images from a trip to France and England made in May – July 2010, and from two trips to Central America (Panama, Costa Rica, Nicaragua in December 2010 - January 2011; and Dominican Republic in August 2018).

At the end of the album, I added a glossary explaining the title-words which I associated with the anthologized images.

The photos are accompanied by a song created by Sappheiros, an American electronic music producer, known for creating ambient tracks mixed with dubstep touches, with thousands of followers on SoundCloud."

Florentin Smarandache



Florentin Smarandache: **Waters, skies, and feelings.** *A photoalbum.* Brussels, Belgium: Pons, 2020, 86 p.

Keywords: Central America, Panama, Costa Rica, Nicaragua, Dominica, France, England, Sappheiros, odd words.

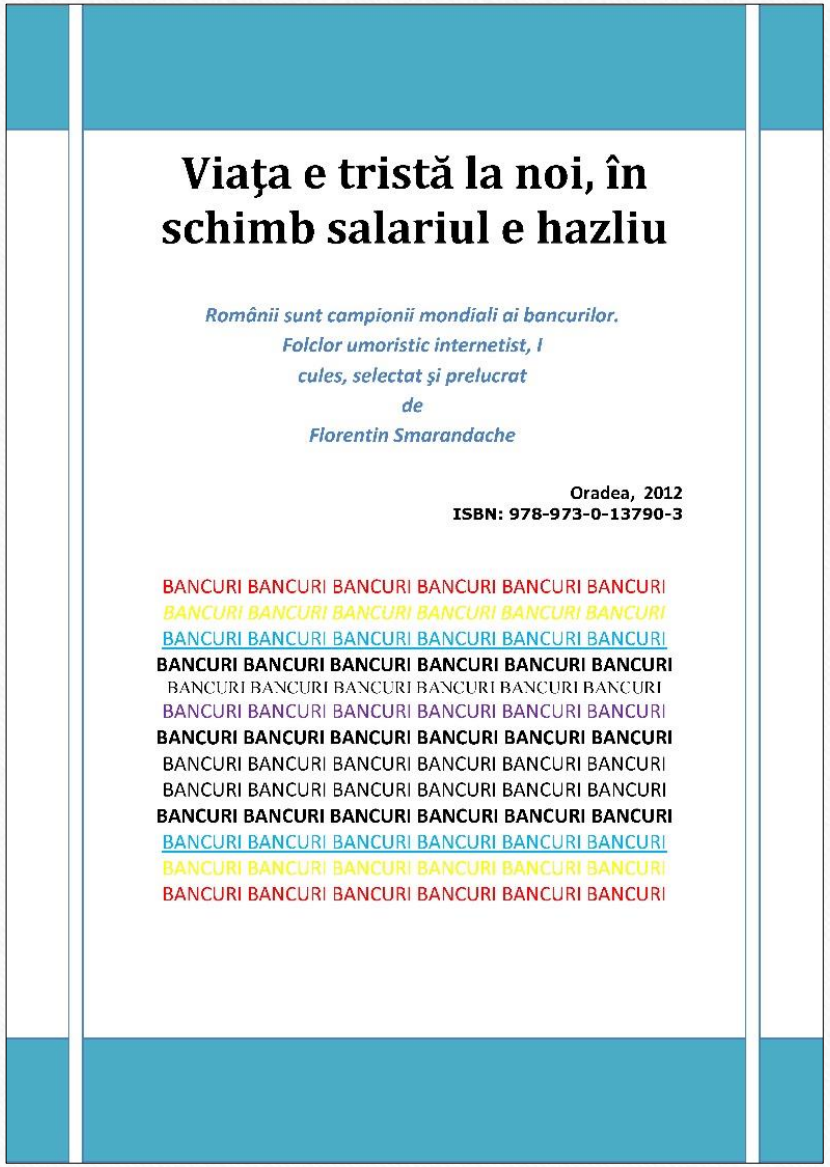
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http://fs.unm.edu/WatersSkiesAndFeelings.pdf

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Smarandache's Books

Humor

Humorous Internet Folklore



Florentin Smarandache (ed): **Viaţa e tristă la noi, în schimb salariul e hazliu**. *Românii sunt campionii mondiali ai bancurilor. Folclor umoristic internetist cules, selectat şi prelucrat de Florentin Smarandache. Volumul întâi.* Oradea, România: Adsumus, 2012, 711 p.

Keywords: Folclor, umor, folclor umoristic internetist, bancuri, glume, folklore, humor, humorous internet folklore, jokes.

This volume of humorous internet folklore is a collection of Romanian folkloric jokes from Internet. The materials presented in this volume are, on the one hand, offered for personal entertainment, on the other hand, they are just a piece of a systematic research of the Romanian humorous phenomenon (as it is expressed through jokes).

Acest volum de folclor umoristic internetist este o culegere de bancuri, glume, butade internetiste din ultimii ani. Materialele prezentate în acest volum sunt, pe de o parte, oferite spre divertisment personal, pe de altă parte, sunt doar o bucată a unei cercetări sistematice a fenomenului umoristic la români (aşa cum se exprimă acesta prin bancuri).

Excerpts:

“Deoarece Dumnezeu nu reuşeşte să urmărească chiar totul, a creat bătrânele, băncile şi bancurile. / Singura problemă a lui Bulă e că el singur îşi crează probleme. / Savanţii au descoperit, în sfârşit, ce vrea femeia. Între timp, aceasta s-a răzgândit...”

“Because God fails to keep track of everything, he created the old women, the benches and the jokes. / Bula's only problem is that he creates his own problems. / Scientists have finally found out what the woman wants. In the meantime, she has changed her mind...”

Download from The Science Library at University of New Mexico – Gallup:
http://fs.unm.edu/Bancuri.pdf

Florentin Smarandache (ed): **Cine râde la urmă e mai încet la mi**nte. *Românii sunt campionii mondiali ai bancurilor. Folclor umoristic internetist cules, selectat şi prelucrat de Florentin Smarandache. Volumul al doilea.* Ediția a doua. Oradea, România: Duran's, 2013, 702 p.

Keywords: Folclor, umor, folclor umoristic internetist, bancuri, glume, folklore, humor, humorous internet folklore, jokes.

This second volume of humorous internet folklore is a collection of Romanian folkloric jokes from Internet. The texts and photos in this volume were received from acquaintances by e-mail or collected from social networks. The materials presented in this volume are, on the one hand, offered for personal entertainment, on the other hand, they are just a piece of a systematic research of the Romanian humorous phenomenon (as it is expressed through jokes).

Acest al doilea volum de folclor umoristic internetist este o culegere de bancuri, glume, butade internetiste din ultimii ani. Textele şi fotografiile din acest volum au fost primite de la cunoscuţi prin e-mail sau culese din reţele de socializare. Materialele prezentate în acest volum sunt, pe de o parte, oferite spre divertisment personal, pe de altă parte, sunt doar o bucată a unei cercetări sistematice a fenomenului umoristic la români (aşa cum se exprimă acesta prin bancuri).

Excerpts:

"Cine crede în telekinezie, să îmi ridice mâna.
Nu sunt vegetarian pentru că iubesc animalele.
Sunt vegetarian pentru că urăsc plantele.
Cum îţi dai seama când rămâi fără cerneală invizibilă?
Care este viteza întunericului?
De ce abreviere este un cuvânt atât de lung?
Intenţionez să trăiesc veşnic. Până acum sunt în grafic."

"Whoever believes in telekinesis, raise my hand.
I'm not a vegetarian because I love animals. I'm a vegetarian because I hate plants.
How do you know when you're running out of invisible ink?
What is the speed of darkness?
Why is the abbreviation such a long word?
I intend to live forever. So far, I'm on schedule."



Download from The Science Library at University of New Mexico – Gallup:
http://fs.unm.edu/Bancuri2.pdf



Florentin Smarandache (ed): **Fie pâinea cât de rea, tot ţi-o fură cineva.** *Românii sunt campionii mondiali ai bancurilor. Folclor umoristic internetist cules, selectat şi prelucrat de Florentin Smarandache. Volumul al treilea. Ediția a doua.* Oradea, România: Duran's, 2013, 694 p.

Keywords: Folclor, umor, folclor umoristic internetist, bancuri, glume, Folklore, humor, humorous internet folklore, jokes.

This third volume of humorous internet folklore is a collection of Romanian folkloric jokes from Internet. The texts and photos in this volume were received from acquaintances by e-mail or collected from social networks. The materials presented in this volume are, on the one hand, offered for personal entertainment, on the other hand, they are just a piece of a systematic research of the Romanian humorous phenomenon (as it is expressed through jokes). The presentation of texts in duplicate with previous volumes was avoided by successive searches with keywords.

Acest al treilea volum de folclor umoristic internetist este o culegere de bancuri, glume, butade internetiste din ultimii ani. Textele şi fotografiile din acest volum au fost primite de la cunoscuţi prin e-mail sau culese din reţele de socializare. Materialele prezentate în acest volum sunt, pe de o parte, oferite spre divertisment personal, pe de altă parte, sunt doar o bucată a unei cercetări sistematice a fenomenului umoristic la români (aşa cum se exprimă acesta prin bancuri). S-a evitat prezentarea textelor în dublură cu volumele anterioare prin căutări succesive cu cuvinte cheie.

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http://fs.unm.edu/Bancuri3.pdf

Florentin Smarandache (ed): **Mai bine burtos de la bere, decât cocoşat de la muncă.** *Românii sunt campionii mondiali ai bancurilor. Folclor umoristic internetist cules, selectat şi prelucrat de Florentin Smarandache. Volumul al patrulea. Ediția a doua*. Oradea, România: Duran's, 2013, 610 p.

Keywords: Folclor, umor, folclor umoristic internetist, bancuri, glume, Folklore, humor, humorous internet folklore, jokes.

This fourth volume of humorous internet folklore is a collection of Romanian folkloric jokes from Internet. The texts and photos in this volume were received from acquaintances by e-mail or collected from social networks. The materials presented in this volume are, on the one hand, offered for personal entertainment, on the other hand, they are just a piece of a systematic research of the Romanian humorous phenomenon (as it is expressed through jokes). The presentation of texts in duplicate with previous volumes was avoided by successive searches with keywords.

Acest al patrulea volum de folclor umoristic internetist este o culegere de bancuri, glume, butade internetiste din ultimii ani. Textele şi fotografiile din acest volum au fost primite de la cunoscuţi prin e-mail sau culese din reţele de socializare. Materialele prezentate în acest volum sunt, pe de o parte, oferite spre divertisment personal, pe de altă parte, sunt doar o bucată a unei cercetări sistematice a fenomenului umoristic la români (aşa cum se exprimă acesta prin bancuri). S-a evitat prezentarea textelor în dublură cu volumele anterioare prin căutări succesive cu cuvinte cheie.

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http://fs.unm.edu/Bancuri4.pdf





Florentin Smarandache (ed): **Ca românu' nu-i nici unu': unde-s mulţi, putea fi unu'!** *Românii sunt campionii mondiali ai bancurilor. Folclor umoristic internetist cules, selectat şi prelucrat de Florentin Smarandache. Volumul al cincilea.* Oradea, România: Duran's, 2013, 616 p.

Keywords: Folclor, umor, folclor umoristic internetist, bancuri, glume, Folklore, humor, humorous internet folklore, jokes.

This fifth volume of humorous internet folklore is a collection of Romanian folkloric jokes from Internet. The texts and photos in this volume were received from acquaintances by e-mail or collected from social networks. The materials presented in this volume are, on the one hand, offered for personal entertainment, on the other hand, they are just a piece of a systematic research of the Romanian humorous phenomenon (as it is expressed through jokes). The presentation of texts in duplicate with previous volumes was avoided by successive searches with keywords.

Acest al cincilea volum de folclor umoristic internetist este o culegere de bancuri, glume, butade internetiste din ultimii ani. Textele şi fotografiile din acest volum au fost primite de la cunoscuţi prin e-mail sau culese din reţele de socializare. Materialele prezentate în acest volum sunt, pe de o parte, oferite spre divertisment personal, pe de altă parte, sunt doar o bucată a unei cercetări sistematice a fenomenului umoristic la români (aşa cum se exprimă acesta prin bancuri). S-a evitat prezentarea textelor în dublură cu volumele anterioare prin căutări succesive cu cuvinte cheie.

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http://fs.unm.edu/Bancuri5.pdf

Florentin Smarandache (ed): **Cum îţi aşterni, cum vine altul şi se culcă în locul tău!** *Românii sunt campionii mondiali ai bancurilor. Folclor umoristic internetist cules, selectat şi prelucrat de Florentin Smarandache. Volumul al şaselea.* Oradea, România: Duran's, 2014, 649 p.

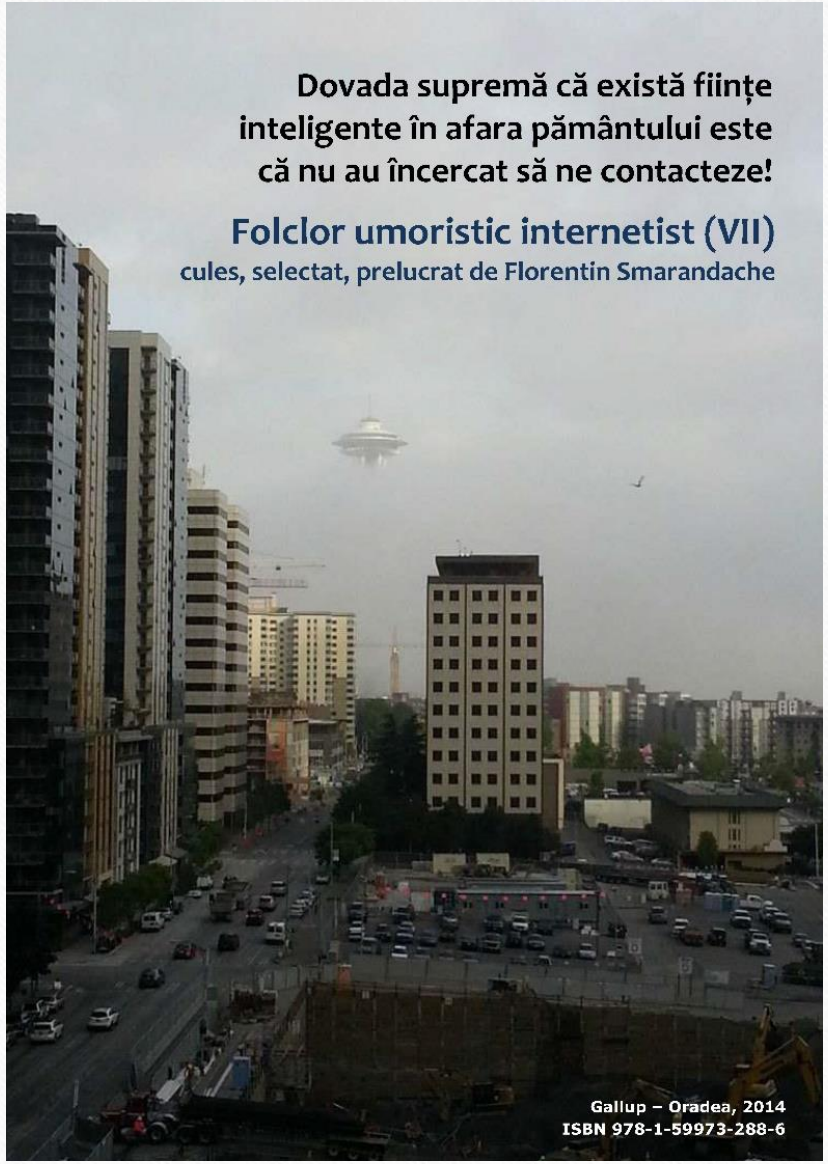
Keywords: Folclor, umor, folclor umoristic internetist, bancuri, glume, Folklore, humor, humorous internet folklore, jokes.

This sixth volume of humorous internet folklore is a collection of Romanian folkloric jokes from Internet. The texts and photos in this volume were received from acquaintances by e-mail or collected from social networks. The materials presented in this volume are, on the one hand, offered for personal entertainment, on the other hand, they are just a piece of a systematic research of the Romanian humorous phenomenon (as it is expressed through jokes). The presentation of texts in duplicate with previous volumes was avoided by successive searches with keywords.

Acest al șaselea volum de folclor umoristic internetist este o culegere de bancuri, glume, butade internetiste din ultimii ani. Textele şi fotografiile din acest volum au fost primite de la cunoscuţi prin e-mail sau culese din reţele de socializare. Materialele prezentate în acest volum sunt, pe de o parte, oferite spre divertisment personal, pe de altă parte, sunt doar o bucată a unei cercetări sistematice a fenomenului umoristic la români (aşa cum se exprimă acesta prin bancuri). S-a evitat prezentarea textelor în dublură cu volumele anterioare prin căutări succesive cu cuvinte cheie.

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http://fs.unm.edu/folclor6.pdf





Florentin Smarandache (ed): **Dovada supremă că există ființe inteligente în afara pământului este că nu au încercat să ne contacteze!** *Românii sunt campionii mondiali ai bancurilor. Folclor umoristic internetist cules, selectat şi prelucrat de Florentin Smarandache. Volumul al șaptelea*. Oradea, România: Adsumus, 2014, 684 p.

Keywords: Folclor, umor, folclor umoristic internetist, bancuri, glume, folklore, humor, humorous internet folklore, jokes.

This seventh volume of humorous internet folklore is a collection of Romanian folkloric jokes from Internet. The texts and photos in this volume were received from acquaintances by e-mail or collected from social networks. The materials presented in this volume are, on the one hand, offered for personal entertainment, on the other hand, they are just a piece of a systematic research of the Romanian humorous phenomenon (as it is expressed through jokes). The presentation of texts in duplicate with previous volumes was avoided by successive searches with keywords.

Acest al șaptelea volum de folclor umoristic internetist este o culegere de bancuri, glume, butade internetiste din ultimii ani. Textele şi fotografiile din acest volum au fost primite de la cunoscuţi prin e-mail sau culese din reţele de socializare. Materialele prezentate în acest volum sunt, pe de o parte, oferite spre divertisment personal, pe de altă parte, sunt doar o bucată a unei cercetări sistematice a fenomenului umoristic la români (aşa cum se exprimă acesta prin bancuri). S-a evitat prezentarea textelor în dublură cu volumele anterioare prin căutări succesive cu cuvinte cheie.

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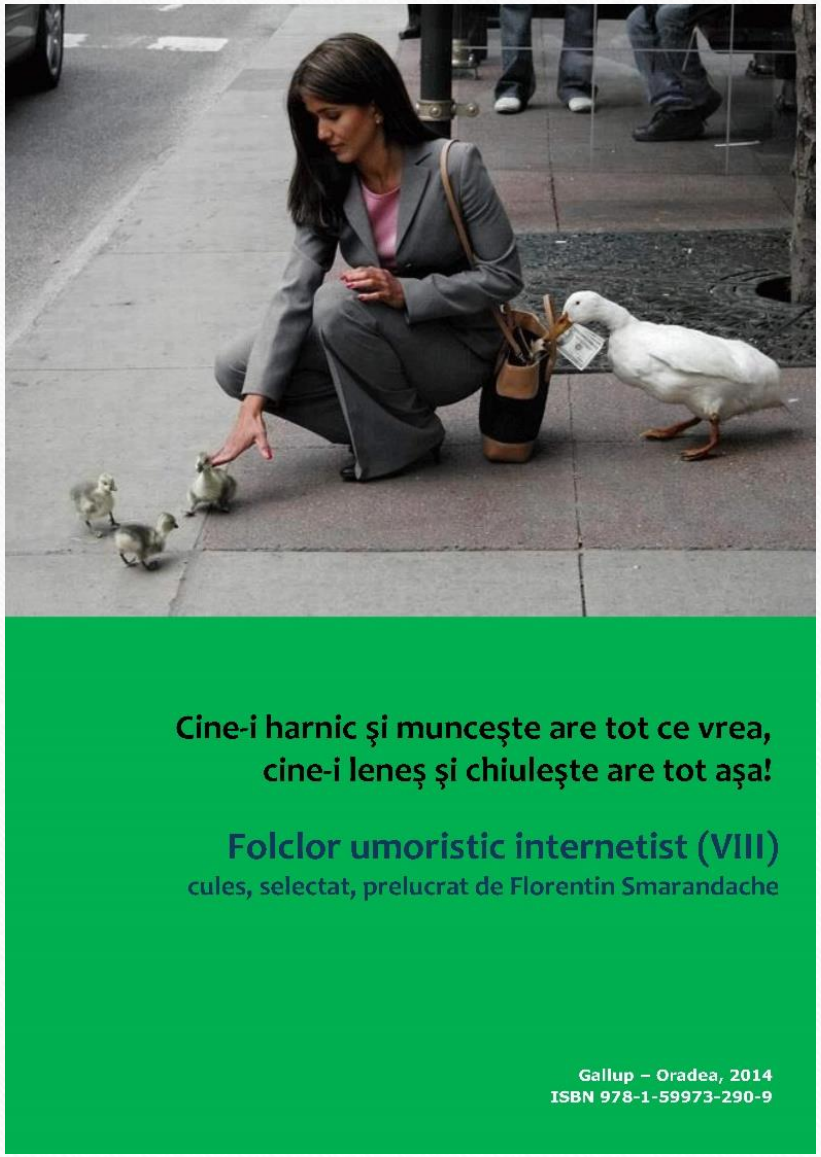
Florentin Smarandache (ed): **Cine-i harnic şi munceşte are tot ce vrea, cine-i leneş şi chiuleşte are tot aşa!** *Românii sunt campionii mondiali ai bancurilor. Folclor umoristic internetist cules, selectat şi prelucrat de Florentin Smarandache. Volumul al optulea*. Oradea, România: Adsumus, 2014, 720 p.

Keywords: Folclor, umor, folclor umoristic internetist, bancuri, glume, folklore, humor, humorous internet folklore.

This eighth volume of humorous internet folklore is a collection of Romanian folkloric jokes from Internet. The texts and photos in this volume were received from acquaintances by e-mail or collected from social networks. The materials presented in this volume are, on the one hand, offered for personal entertainment, on the other hand, they are just a piece of a systematic research of the Romanian humorous phenomenon (as it is expressed through jokes). The presentation of texts in duplicate with previous volumes was avoided by successive searches with keywords.

Acest al optulea volum de folclor umoristic internetist este o culegere de bancuri, glume, butade internetiste din ultimii ani. Textele şi fotografiile din acest volum au fost primite de la cunoscuţi prin e-mail sau culese din reţele de socializare. Materialele prezentate în acest volum sunt, pe de o parte, oferite spre divertisment personal, pe de altă parte, sunt doar o bucată a unei cercetări sistematice a fenomenului umoristic la români (aşa cum se exprimă acesta prin bancuri). S-a evitat prezentarea textelor în dublură cu volumele anterioare prin căutări succesive cu cuvinte cheie.

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http://fs.unm.edu/folclor8.pdf





Florentin Smarandache (ed): **Decât repede şi bine, mai degrabă încet şi prost!** *Românii sunt campionii mondiali ai bancurilor. Folclor umoristic internetist cules, selectat şi prelucrat de Florentin Smarandache. Volumul al nouălea.* Oradea, România: Adsumus, 2014, 642 p.

Keywords: Folclor, umor, folclor umoristic internetist, bancuri, glume, folklore, humor, humorous internet folklore, jokes.

This ninth volume of humorous internet folklore is a collection of Romanian folkloric jokes from Internet. The texts and photos in this volume were received from acquaintances by e-mail or collected from social networks. The materials presented in this volume are, on the one hand, offered for personal entertainment, on the other hand, they are just a piece of a systematic research of the Romanian humorous phenomenon (as it is expressed through jokes). The presentation of texts in duplicate with previous volumes was avoided by successive searches with keywords.

Acest al nouălea volum de folclor umoristic internetist este o culegere de bancuri, glume, butade internetiste din ultimii ani. Textele şi fotografiile din acest volum au fost primite de la cunoscuţi prin e-mail sau culese din reţele de socializare. Materialele prezentate în acest volum sunt, pe de o parte, oferite spre divertisment personal, pe de altă parte, sunt doar o bucată a unei cercetări sistematice a fenomenului umoristic la români (aşa cum se exprimă acesta prin bancuri). S-a evitat prezentarea textelor în dublură cu volumele anterioare prin căutări succesive cu cuvinte cheie.

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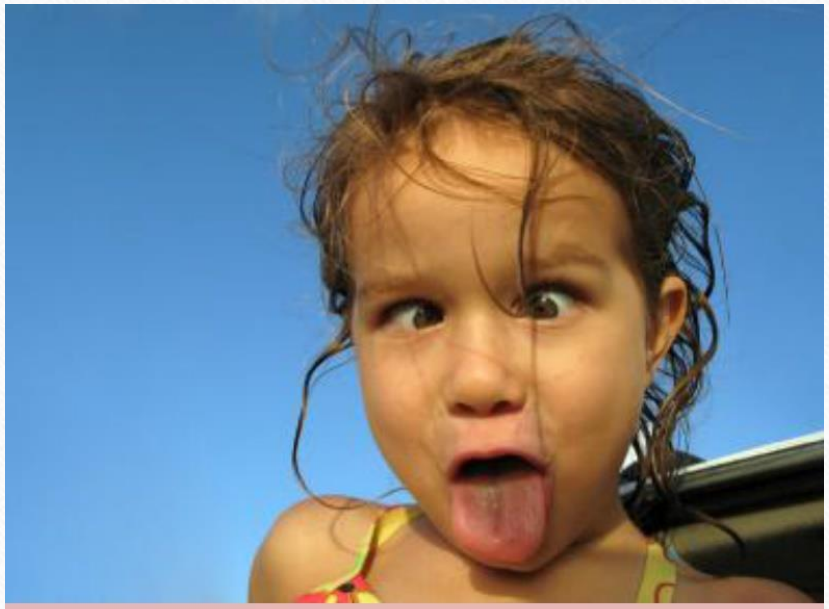
Florentin Smarandache (ed): **Iubește-ți copilul ca și cum ar fi al tău!** *Românii sunt campionii mondiali ai bancurilor. Folclor umoristic internetist cules, selectat şi prelucrat de Florentin Smarandache. Volumul al zecelea*. Oradea, România: Adsumus, 2014, 646 p.

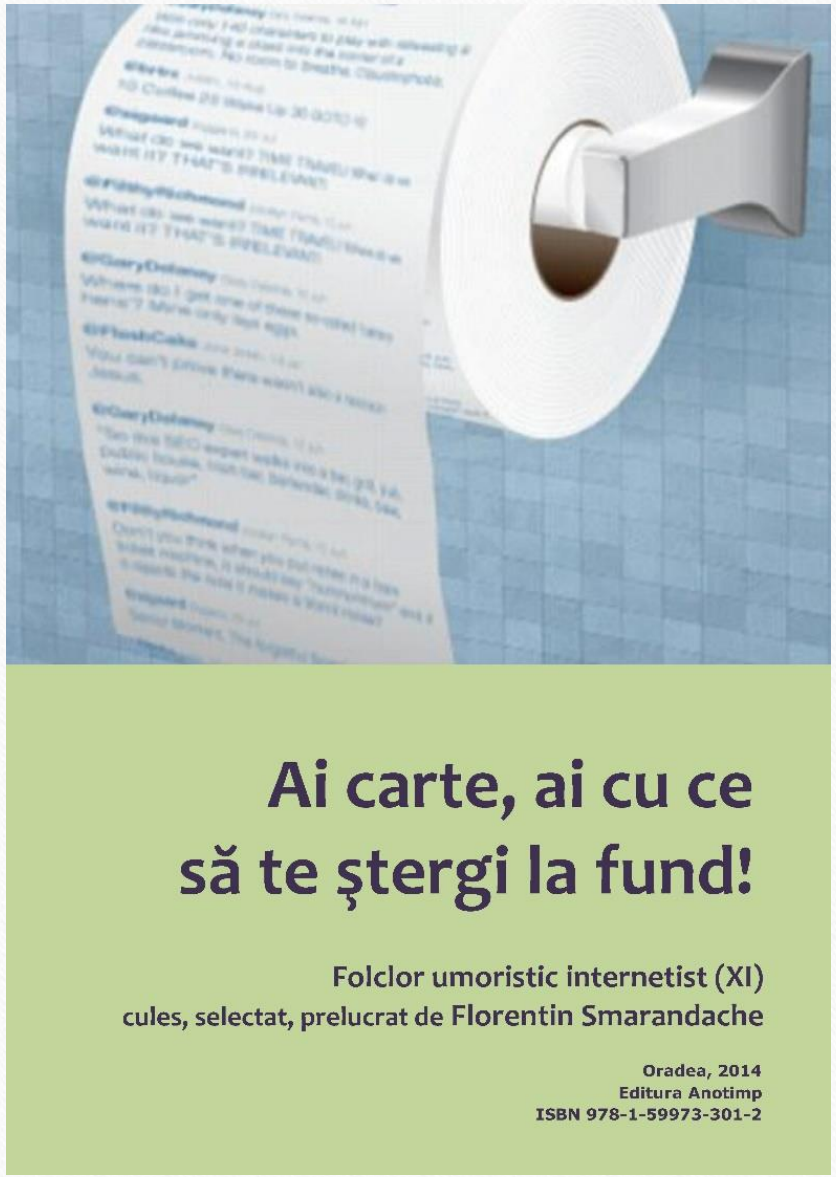
Keywords: Folclor, umor, folclor umoristic internetist, bancuri, glume, folklore, humor, humorous internet folklore, jokes.

This tenth volume of humorous internet folklore is a collection of Romanian folkloric jokes from Internet. The texts and photos in this volume were received from acquaintances by e-mail or collected from social networks. The materials presented in this volume are, on the one hand, offered for personal entertainment, on the other hand, they are just a piece of a systematic research of the Romanian humorous phenomenon (as it is expressed through jokes). The presentation of texts in duplicate with previous volumes was avoided by successive searches with keywords.

Acest al zecelea volum de folclor umoristic internetist este o culegere de bancuri, glume, butade internetiste din ultimii ani. Textele şi fotografiile din acest volum au fost primite de la cunoscuţi prin e-mail sau culese din reţele de socializare. Materialele prezentate în acest volum sunt, pe de o parte, oferite spre divertisment personal, pe de altă parte, sunt doar o bucată a unei cercetări sistematice a fenomenului umoristic la români (aşa cum se exprimă acesta prin bancuri). S-a evitat prezentarea textelor în dublură cu volumele anterioare prin căutări succesive cu cuvinte cheie.

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http://fs.unm.edu/folclor10.pdf





Florentin Smarandache (ed): **Ai carte, ai cu ce să te ştergi la fund!** *Românii sunt campionii mondiali ai bancurilor. Folclor umoristic internetist cules, selectat şi prelucrat de Florentin Smarandache. Volumul al unsprezecelea*. Oradea, România: Anotimpuri, 2014, 615 p.

Keywords: Folclor, umor, meme, folclor umoristic internetist, folklore, humor, memes, humorous internet folklore.

This eleventh volume of humorous internet folklore is a collection of Romanian folkloric jokes from Internet. The texts and photos in this volume were received from acquaintances by e-mail or collected from social networks. The materials presented in this volume are, on the one hand, offered for personal entertainment, on the other hand, they are just a piece of a systematic research of the Romanian humorous phenomenon (as it is expressed through jokes). The presentation of texts in duplicate with previous volumes was avoided by successive searches with keywords.

Acest al unsprezecelea volum de folclor umoristic internetist este o culegere de bancuri, glume, butade internetiste din ultimii ani. Textele şi fotografiile din acest volum au fost primite de la cunoscuţi prin e-mail sau culese din reţele de socializare. Materialele prezentate în acest volum sunt, pe de o parte, oferite spre divertisment personal, pe de altă parte, sunt doar o bucată a unei cercetări sistematice a fenomenului umoristic la români (aşa cum se exprimă acesta prin bancuri). S-a evitat prezentarea textelor în dublură cu volumele anterioare prin căutări succesive cu cuvinte cheie.

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http://fs.unm.edu/folclor11.pdf

Florentin Smarandache (ed): **A face pe prostul la timpul potrivit este cea mai mare înţelepciune!** *Românii sunt campionii mondiali ai bancurilor. Folclor umoristic internetist cules, selectat şi prelucrat de Florentin Smarandache, comparat cu volumele anterioare pentru eliminarea dublurilor sau variantelor cu ajutorul unor soft-uri create de Ing. Mihai Liviu Smarandache şi Ing. Swapan Das. Volumul al doisprezecelea*. Oradea, România: Ferestre, 2015, 640 p.

Keywords: Folclor, umor, meme, folclor umoristic internetist, folklore, humor, memes, humorous internet folklore, jokes.

This twelve volume of humorous internet folklore is a collection of Romanian folkloric jokes from Internet. The texts and photos in this volume were received from acquaintances by e-mail or collected from social networks. The materials presented in this volume are, on the one hand, offered for personal entertainment, on the other hand, they are just a piece of a systematic research of the Romanian humorous phenomenon (as it is expressed through jokes). The presentation of texts in duplicate with previous volumes was avoided by successive searches with keywords.

Acest al doisprezecelea volum de folclor umoristic internetist este o culegere de bancuri, glume, butade internetiste din ultimii ani. Textele și fotografiile din acest volum au fost primite de la cunoscuţi prin e-mail sau culese din reţele de socializare. Materialele prezentate în acest volum sunt, pe de o parte, oferite spre divertisment personal, pe de altă parte, sunt doar o bucată a unei cercetări sistematice a fenomenului umoristic la români (aşa cum se exprimă acesta prin bancuri). S-a evitat prezentarea textelor în dublură cu volumele anterioare prin căutări succesive cu cuvinte cheie.

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http://fs.unm.edu/folclor12.pdf





Florentin Smarandache (ed): **Există o lume mai bună, dar este foarte scumpă**. *Românii sunt campionii mondiali ai bancurilor. Folclor umoristic internetist cules, selectat şi prelucrat de Florentin Smarandache, comparat cu volumele anterioare pentru eliminarea dublurilor sau variantelor cu ajutorul unor soft-uri create de Ing. Mihai Liviu Smarandache şi Ing. Swapan Das. Volumul al treisprezecelea*. Oradea, România: Ferestre, 2015, 650 p.

This thirtheenth volume of humorous internet folklore is a collection of Romanian folkloric jokes from Internet. The texts and photos in this volume were received from acquaintances by e-mail or collected from social networks. The materials presented in this volume are, on the one hand, offered for personal entertainment, on the other hand, they are just a piece of a systematic research of the Romanian humorous phenomenon (as it is expressed through jokes). The presentation of texts in duplicate with previous volumes was avoided by successive searches with keywords.

Acest al treisprezecelea volum de folclor umoristic internetist este o culegere de bancuri, glume, butade internetiste din ultimii ani. Textele şi fotografiile din acest volum au fost primite de la cunoscuţi prin e-mail sau culese din reţele de socializare. Materialele prezentate în acest volum sunt, pe de o parte, oferite spre divertisment personal, pe de altă parte, sunt doar o bucată a unei cercetări sistematice a fenomenului umoristic la români (aşa cum se exprimă acesta prin bancuri). S-a evitat prezentarea textelor în dublură cu volumele anterioare prin căutări succesive cu cuvinte cheie.

Keywords: Folclor, umor, meme, folclor umoristic internetist, bancuri, glume, folklore, humor, memes, humorous internet folklore, jokes.

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http://fs.unm.edu/Folclor13.pdf

Florentin Smarandache (ed): **Poate oul e mult mai deștept decât găina, dar se strică repede**. *Românii sunt campionii mondiali ai bancurilor. Folclor umoristic internetist pentru des-încrețirea frunților cules, selectat, prelucrat de Florentin Smarandache. Volumul al patrusprezecelea*. Suceava, România: Ferestre, 2016, 722 p.

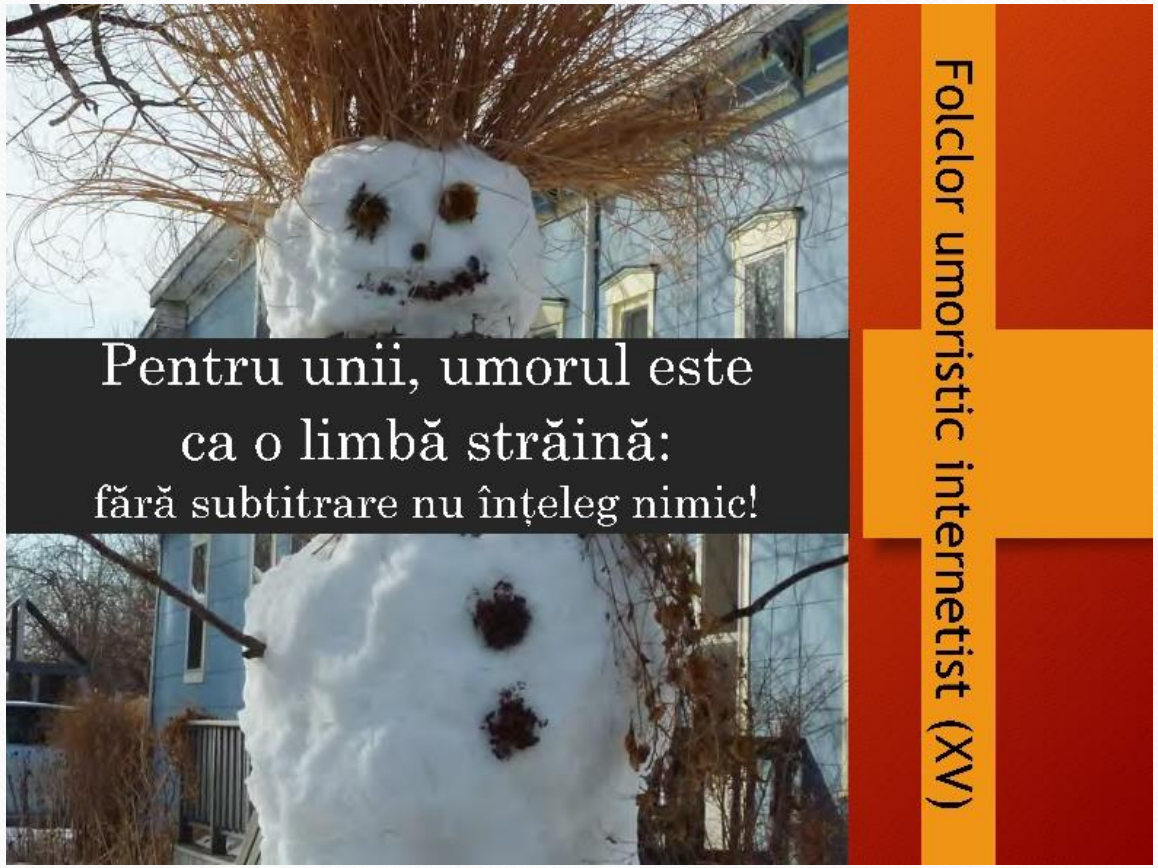
The fourteenth volume of internet humorous folklore is entirely dedicated to imagistic folklore (memes, comic contextual photos, funny inscribed T-shirts, text drawings, etc.), which currently circulates on social networks. The materials presented in this volume are, on the one hand, offered for personal entertainment, on the other hand, they are just a piece of a systematic research of the Romanian humorous phenomenon (as it is expressed through jokes). The presentation of texts in duplicate with previous volumes was avoided by successive searches with keywords.

Al patrusprezecelea volum de folclor umoristic internetist este dedicat în totalitate folclorului imagistic (meme, fotografii contextuale comice, tricouri haios inscripționate, desene cu text ș.a.), care circulă curent pe rețelele de socializare. Materialele prezentate în acest volum sunt, pe de o parte, oferite spre divertisment personal, pe de altă parte, sunt doar o bucată a unei cercetări sistematice a fenomenului umoristic la români (așa cum se exprimă acesta prin bancuri). S-a evitat prezentarea textelor în dublură cu volumele anterioare prin căutări succesive cu cuvinte cheie.



Keywords: Folclor, umor, meme, folclor umoristic internetist, bancuri, glume, folklore, humor, memes, humorous internet folklore, jokes.

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http://fs.unm.edu/Folclor14-meme.pdf



Florentin Smarandache (ed): **Pentru unii, umorul este ca o limbă străină: fără subtitrare nu înţeleg nimic.** *Românii sunt campionii mondiali ai bancurilor. Folclor umoristic internetist pentru des-încreţirea frunţilor cules, selectat, prelucrat de Florentin Smarandache. Volumul al cinsprezecelea*. Suceava, România: Ferestre, 2016, 722 p.

The fiftheenth volume of internet humorous folklore is entirely dedicated to imagistic folklore (memes, comic contextual photos, funny inscribed T-shirts, text drawings, etc.), which currently circulates on social networks. The materials presented in this volume are, on the one hand, offered for personal entertainment, on the other hand, they are just a piece of a systematic research of the Romanian humorous phenomenon (as it is expressed through jokes). The presentation of texts in duplicate with previous volumes was avoided by successive searches with keywords.

Al cinsprecelea volum de folclor umoristic internetist este dedicat în totalitate folclorului imagistic (meme, fotografii contextuale comice, tricouri haios inscripționate, desene cu text ș.a.), care circulă curent pe rețelele de socializare. Materialele prezentate în acest volum sunt, pe de o parte, oferite spre divertisment personal, pe de altă parte, sunt doar o bucată a unei cercetări sistematice a fenomenului umoristic la români (aşa cum se exprimă acesta prin bancuri). S-a evitat prezentarea textelor în dublură cu volumele anterioare prin căutări succesive cu cuvinte cheie.

Keywords: Folclor, umor, meme, folclor umoristic internetist, bancuri, glume, folklore, humor, memes, humorous internet folklore, jokes.

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http://fs.unm.edu/Folclor15-meme.pdf

Florentin Smarandache (ed): **Să moară virușii! De râs.** *Românii sunt campionii mondiali ai bancurilor. Folclor umoristic internetist cules, selectat şi prelucrat de Florentin Smarandache, comparat cu volumele anterioare pentru eliminarea dublurilor sau variantelor cu ajutorul unor soft-uri create de Ing. Mihai Liviu Smarandache şi Ing. Swapan Das. Volumul al șaisprezecelea.* Oradea, România: Ferestre, 2020, 718 p.

Keywords: Folclor, umor, meme, folclor umoristic internetist, bancuri, glume, folklore, humor, memes, humorous internet folklore, jokes.

The sixteenth volume of internet humorous folklore is entirely dedicated to imagistic folklore (memes, comic contextual photos, funny inscribed T-shirts, text drawings, etc.), which currently circulates on social networks. The materials presented in this volume are, on the one hand, offered for personal entertainment, on the other hand, they are just a piece of a systematic research of the Romanian humorous phenomenon (as it is expressed through jokes). The presentation of texts in duplicate with previous volumes was avoided by successive searches with keywords.

Al șaisprezecelea volum de folclor umoristic internetist este dedicat în totalitate folclorului imagistic (meme, fotografii contextuale comice, tricouri haios inscripționate, desene cu text ș.a.), care circulă curent pe rețelele de socializare. Materialele prezentate în acest volum sunt, pe de o parte, oferite spre divertisment personal, pe de altă parte, sunt doar o bucată a unei cercetări sistematice a fenomenului umoristic la români (așa cum se exprimă acesta prin bancuri). S-a evitat prezentarea textelor în dublură cu volumele anterioare prin căutări succesive cu cuvinte cheie.

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Florentin Smarandache (ed): **Noile aventuri ale Virusului Corona (Inteligență asimptomatică).** *Românii sunt campionii mondiali ai bancurilor. Folclor umoristic internetist pentru des-încrețirea frunților, cules, selectat şi prelucrat de Florentin Smarandache. Volumul al șaptesprezecelea*. Oradea, România: Ferestre, 2020, 740 p.

Keywords: Folclor, umor, meme, folclor umoristic internetist, folklore, humor, memes, humorous internet folklore.

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http://fs.unm.edu/Folclor17.pdf



The seventeenth volume of internet humorous folklore is entirely dedicated to imagistic folklore (memes, comic contextual photos, funny inscribed T-shirts, text drawings, etc.), which currently circulates on social networks. The materials presented in this volume are, on the one hand, offered for personal entertainment, on the other hand, they are just a piece of a systematic research of the Romanian humorous phenomenon (as it is expressed through jokes). The presentation of texts in duplicate with previous volumes was avoided by successive searches with keywords.

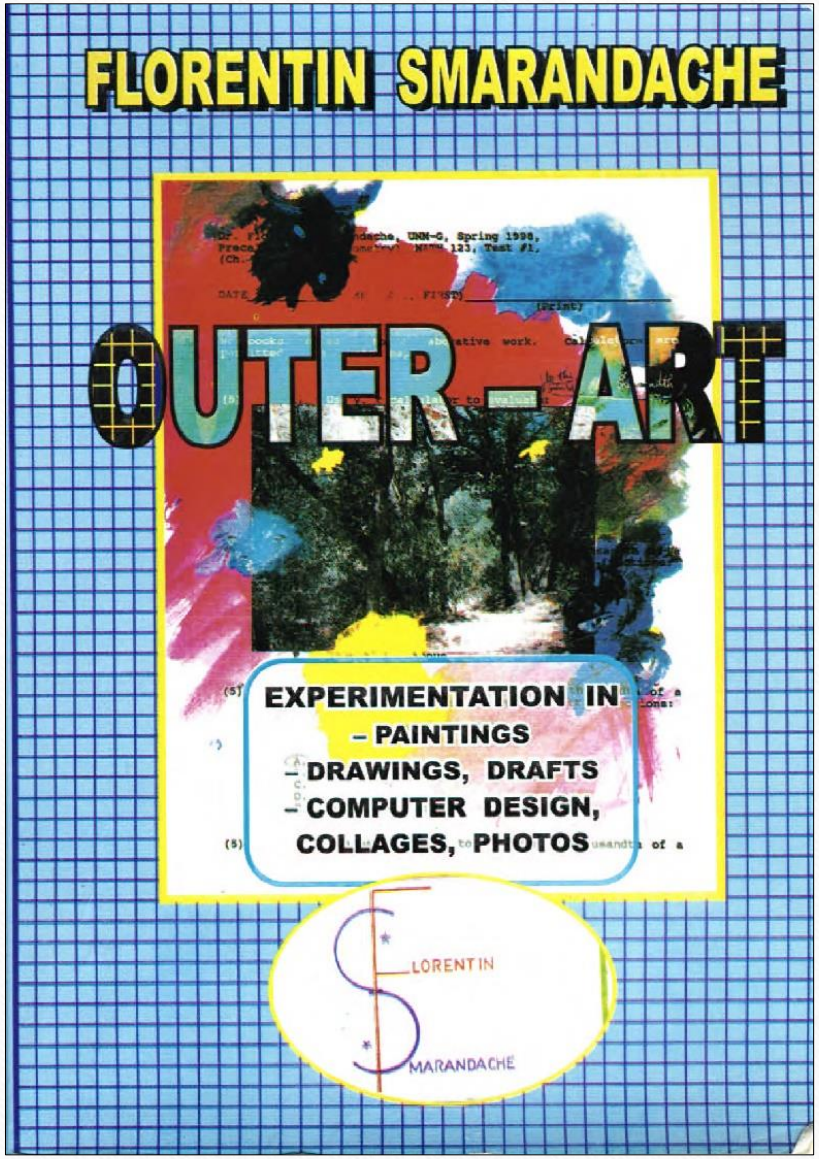
Al șaptesprezecelea volum de folclor umoristic internetist este dedicat în totalitate folclorului imagistic (meme, fotografii contextuale comice, tricouri haios inscripționate, desene cu text ș.a.), care circulă curent pe rețelele de socializare. Materialele prezentate în acest volum sunt, pe de o parte, oferite spre divertisment personal, pe de altă parte, sunt doar o bucată a unei cercetări sistematice a fenomenului umoristic la români (așa cum se exprimă acesta prin bancuri). S-a evitat prezentarea textelor în dublură cu volumele anterioare prin căutări succesive cu cuvinte cheie.

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Smarandache's Books

Visual Arts

oUTER-aRT
Scientific Art
Thought Art



Florentin Smarandache: **oUTER-aRT**. *First Volume. Experimentation in paintings, drawings, drafts, computer design, collages, photos.* Oradea, Romania: Abaddaba, 2000, 133 p.

Keywords: Outer-Art, Abstract Landscapes, Flowers, Submarine, Counter-Images, Overpaintings, Geometrism, Snapshots, Scribblings, Ante-Art, Post-Art, Mechanical Drawings, Paradoxist Drawings, Bad Drawings, Computer Design, Semi-Collages, Neutrosophic Life, Super-Photos.

This pseudo-album contains 100 coloured - 15 black & white pictures of all kind of experiments in paintings, drawings, drafts, computer design, collages, photos, and it is part of the oUTER-aRT experimental art series.

Acest volum ”atentează” la integritatea tiparelor convenienței și ale proximității monocord-clișeistice. Cele 132 de pagini, de format mare, conțin ceea ce autorul numește experiementări picturale, în desen, ”drafts” (proiecte, schițe), design pe computer, colaje și ”photos”, în număr de 100 – în culori și 15 alb-negru. Într-un preambul nonvonformist (cum altfel?) Smarandache se întreabă dacă ceea ce face prin ”Outer-art” este ultra modernism. Sugestivitatea și (nu de puține ori), originalitatea celor 15 cicluri de ”experimentări induc privitorului sentimentul că neliniștea, fervoarea și noutatea frapantă coabitează eficient, impunând imaginea (non) artistului Florentin Smarandache, ca pe a unui perpetuu explorator al ideii de artă și creație. (Al. Sfârlea)

Excerpts from (outer-)art theory:
“*Experimentum crucis.* What follows after post-modernism: ultra-modern art? I would say *ars gratia ex-artis*, this is to be the state of my outer art. It seems that I am an anti-talent to drawings and paintings in a traditional manner. I even disregard this kind of art, which can be easily replaced by mechanical reproduction.”

Florentin Smarandache

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http://fs.unm.edu/Outer-Art1.pdf

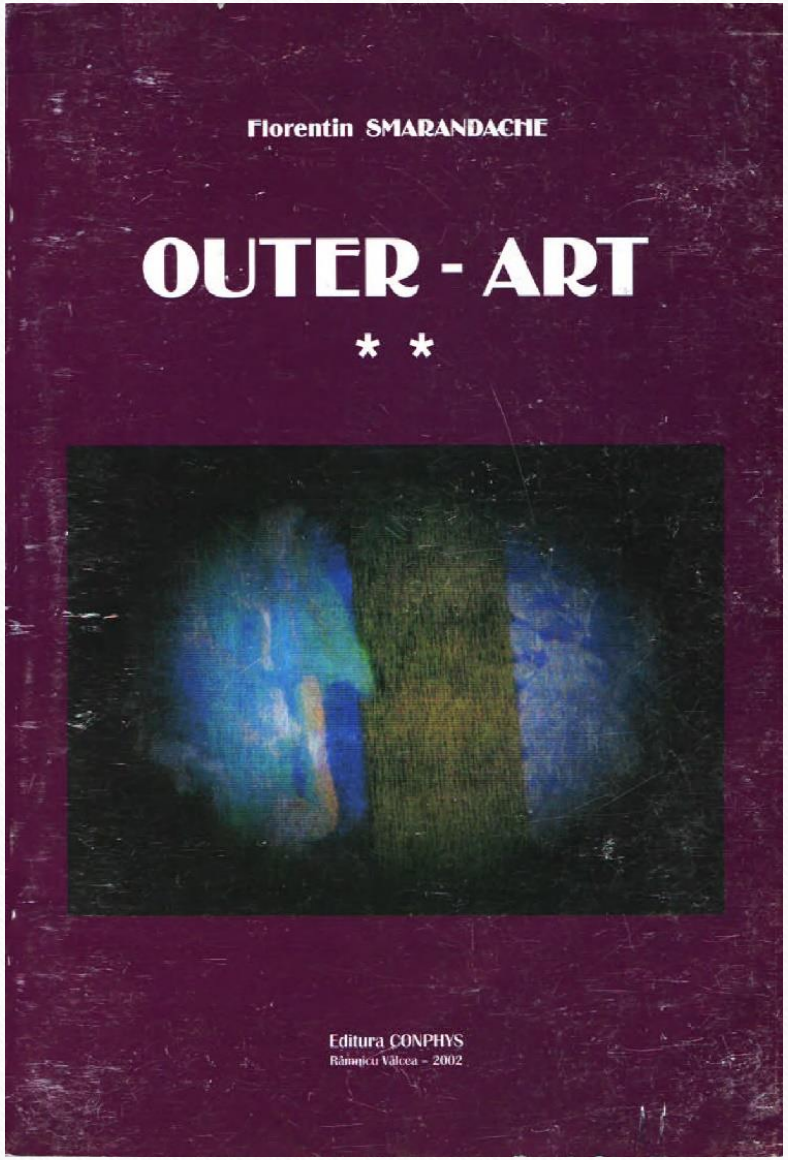
Florentin Smarandache: **oUTER-aRT**. *Second Volume. The Worst Possible Art in the World: printing, drawings, collages, photos.* Râmnicu Valcea, Romania: Conphys, 2002, 166 p.

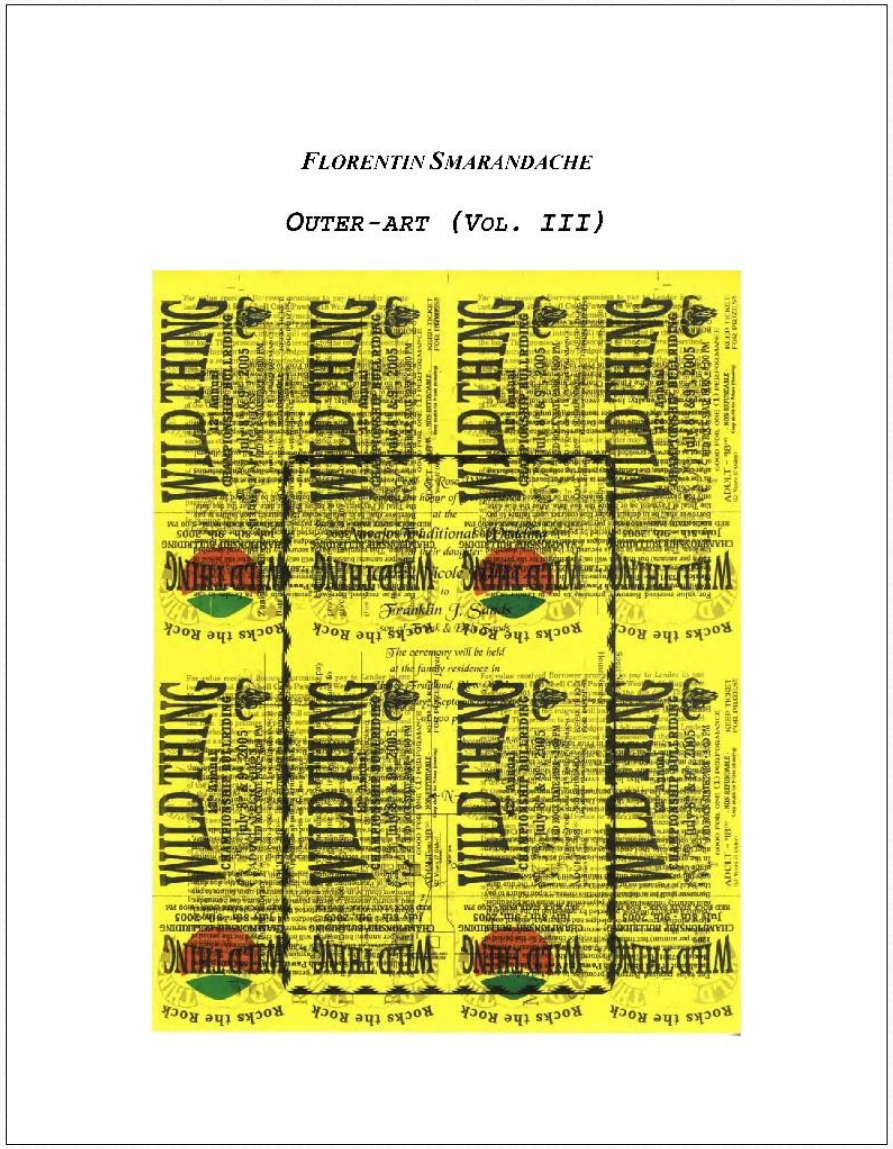
Keywords: Outer-Art, Undrawings, Counterdrawings, Bad Drawings, Printing, Drawings, Collages, Photos.

This pseudo-album contains all kind of printing, drawings, collages, photos, and it is part of the oUTER-aRT experimental art series.
Smarandache's art albums (oUTER-aRT series) include over-paintings, non-paintings, anti-drawings, super-photographs, explained in two manifestos: "Ultra-Modernism?" and "Anti-manifest" (http://fs.gallup.unm.edu/a/oUTER-aRT.htm).

Excerpts from (outer-)art theory:
"Let us make art as ugly as possible, as wrong as possible, or as silly as possible, and generally as impossible as possible! These are the (outer-)limits of all artistic schools and styles."
Florentin Smarandache

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http://fs.unm.edu/Outer-Art2.pdf





Florentin Smarandache: **oUTER-aRT**. *Third Volume. Prints, outer-sculptures, and digital works.* Phoenix,, AZ, USA: Hexis, 2006, 140 p.

Keywords: Outer-Art, Undrawings, Counterdrawings Bad Drawings, Prints, Outer-Sculptures, Digital Works, Landscapes, Roses, Flowers, Jewelry, Panoramas, Awful Works, Red Sea, Milk Waves, White Sea, Butterflies, Snow Mountain, Dancing, Outer-Compositions, Sailing Ship, Metric Space.

This pseudo-album contains all kind of prints, outer-sculptures, and digital works, and it is part of the oUTER-aRT experimental art series.

"Outer-Art" is a movement set up as a protest against, or to ridicule, the random modern art which states that everything is… art!

It was initiated by Florentin Smarandache, in 1990s, who ironically called for an upside-down artwork: to do art in a way it is not supposed to be done, i.e. to make art as ugly, as silly, as wrong as possible, and generally as impossible as possible.

Excerpts from (outer-)art theory:
"Only negative adjectives are cumulated in the outer-art: utterly awful and uninteresting art; disgusting, execrable, failure art; garbage paintings: from crumpled, dirty, smeared, torn, ragged paper; using anti-colors and a-colors; naturalist paintings: from wick, spit, urine, feces, any waste matter; so on."
Florentin Smarandache

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http://fs.unm.edu/Outer-Art3.pdf

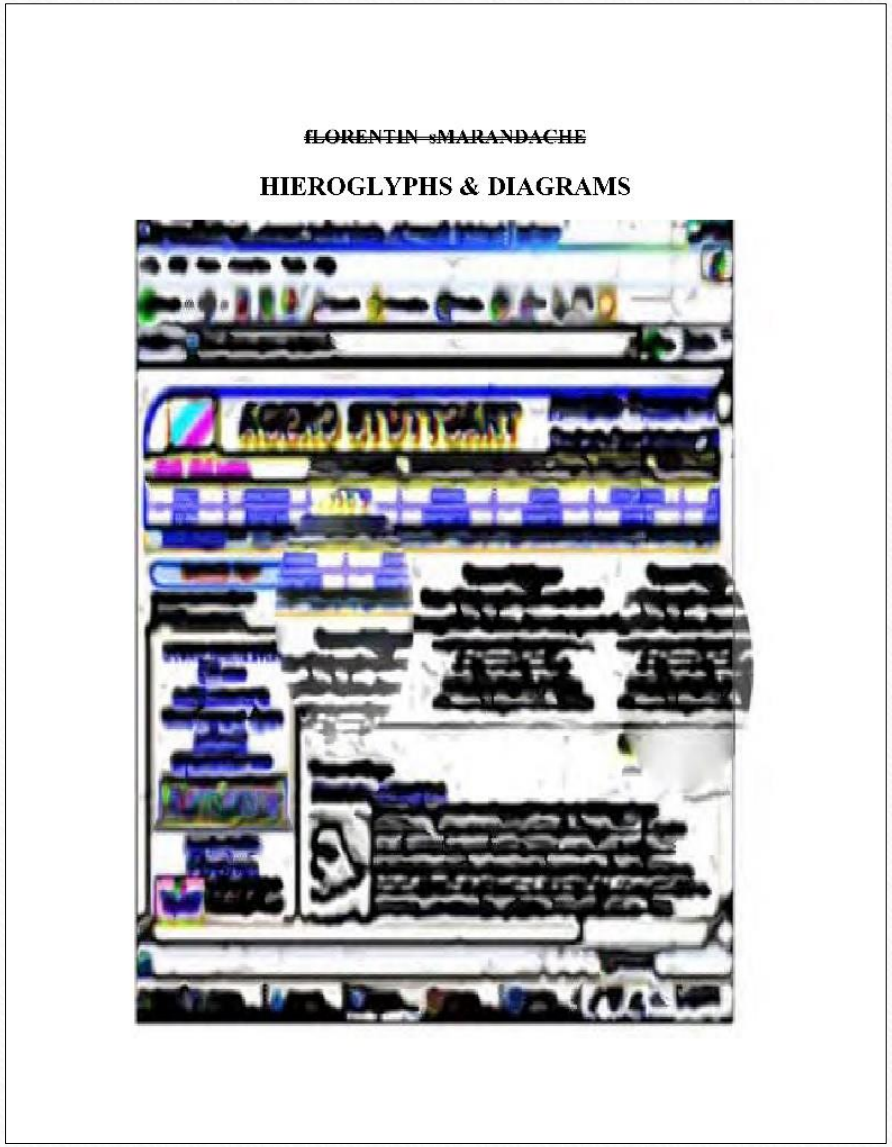
Florentin Smarandache: **Hieroglyphs & Diagrams**. *Computer generated oUTER-aRT. Fourth Volume.* Phoenix, AZ, USA: Hexis, 2006, 78 p.

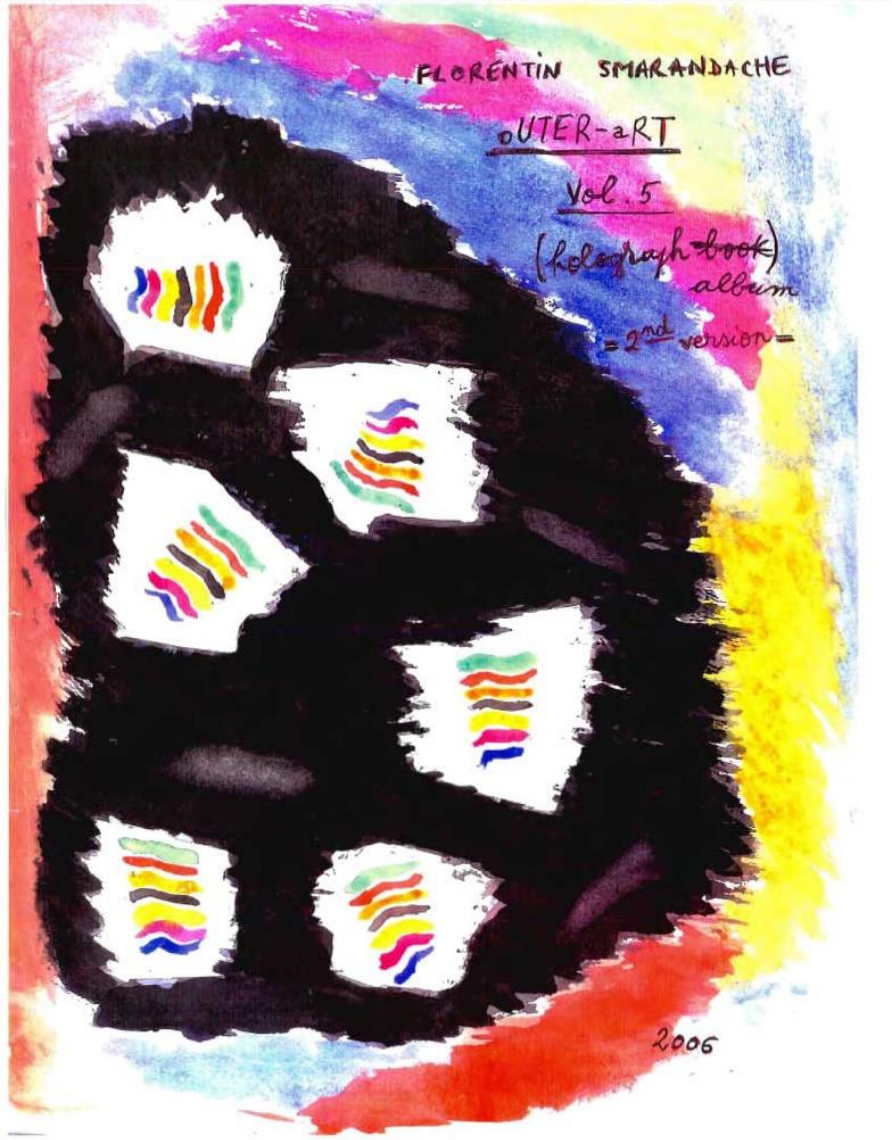
Keywords: Outer-Art, Undrawings, Counterdrawings Bad Drawings, Egyptian Hieroglyphs, Radio Diagrams, TV Show, Electrical Circuits, Marine Fauna, Computer-programmed Images, Experimental Art.

This pseudo-album contains all kind of composed, found, changed, modified, alternated computer-programmed images, and it is part of the oUTER-aRT experimental art series. Five sections compose this avant-garde album of experimental electronic art: Egyptian Hieroglyphs, Radio Diagrams, TV Show, Electrical Circuits, and Marine Fauna.

oUTER-aRT is a movement set up as a protest against, or to ridicule, the random modern art which states that everything is… art! It was initiated by Florentin Smarandache, in 1990s, who ironically called for an upside-down artwork: to do art in a way it is not supposed to be done, i.e. to make art as ugly, as silly, as wrong as possible, and generally as impossible as possible.

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http://fs.unm.edu/HieroglyphsAndDiagrams.pdf





Florentin Smarandache: **oUTER-aRT**. F*ifth Volume. A Holograph Album. Second Version.* Phoenix, AZ, USA: Hexis, 2006, 279 p.

Keywords: Outer-Art, Handwritten Art, Artistic Experiment, Multi-Paintings, Geometrism, Non-Drafts, Rigid Drawings, Artless Art, Portrait, Flowers, Fuzzy Art.

This avangardist pseudo-album is a book entirely handwritten, and it is part of the oUTER-aRT experimental art series.

oUTER-aRT is a movement set up as a protest against, or to ridicule, the random modern art which states that everything is… art! It was initiated by Florentin Smarandache, in 1990s, who ironically called for an upside-down artwork: to do art in a way it is not supposed to be done, i.e. to make art as ugly, as silly, as wrong as possible, and generally as impossible as possible.

Excerpts from Preface:
"This album is a collection o childish, unpolished, wrong, bad, unskilled, silly, stupid works or (artless) art. Because everybody tries to make the best and most beautiful art, I do the opposite: the worst and ugliest…"
(Florentin Smarandache)

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http://fs.unm.edu/Outer-Art5.pdf

Florentin Smarandache: **Unification of Art Theories (UAT).** *Composed, found, changed, modified, altered, graffiti, polyvalent art.* Ann Arbor, MI, USA: Renaissance High Press, 2007, 139 p.

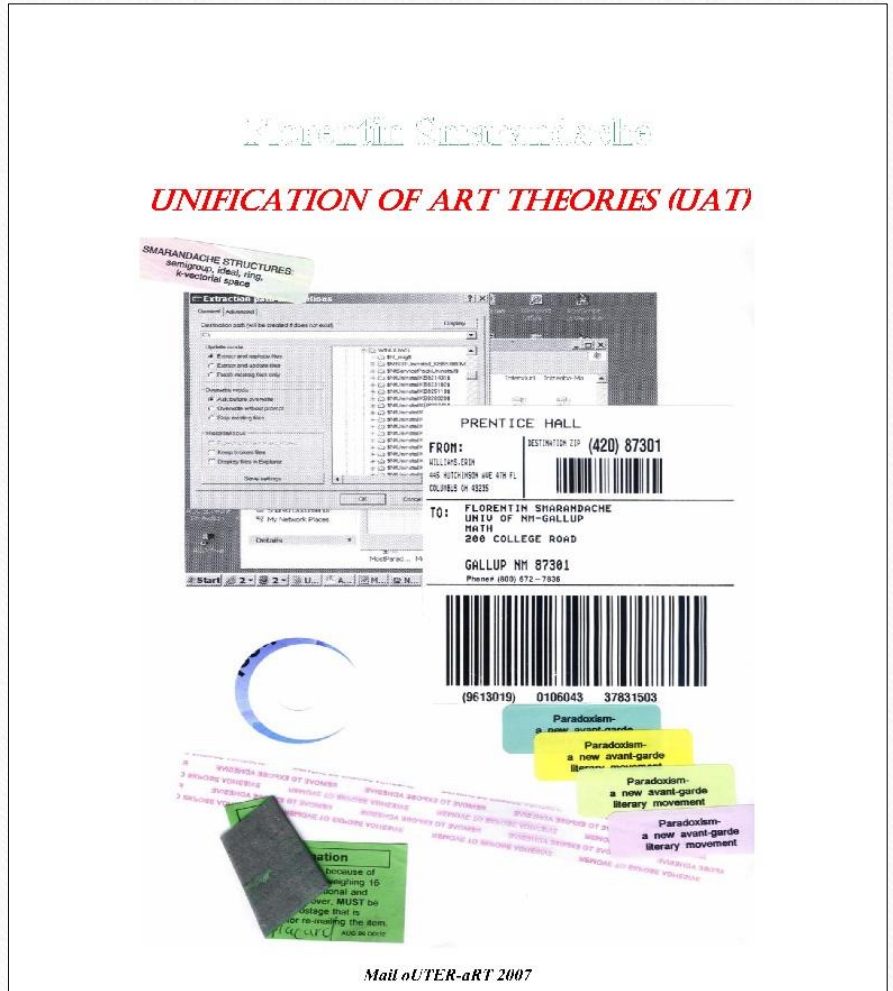
Keywords: Outer-Art, Eclecticism, Unification of Art Theories, Artistic Database, Experimental Digital Images.

The Unification of Art Theories (UAT) considers that every artist should employ - in producing an artwork – ideas, theories, styles, techniques and procedures of making art barrowed from various artists, teachers, schools of art, movements throughout history, but combined with new ones invented, or adopted from any knowledge field (science in special, literature, etc.), by the artist himself. The artist can use a multi-structure and multi-space.

The distinction between Eclecticism and Unification of Art Theories (UAT) is that Eclecticism supposed to select among the previous schools and teachers and procedures - while UAT requires not only selecting but also to invent, or adopt from other (non-artistic) fields, new procedures. In this way UAT pushes forward the art development. Also, UAT has now a larger artistic database to choose from, than the 16-th century Eclecticism, since new movements, art schools, styles, ideas, procedures of making art have been accumulated in the main time.

Like a guide, UAT database should periodically be updated, changed, enlarged with new invented or adopted-from-any-field ideas, styles, art schools, movements, experimentation techniques, artists. It is an open increasing essay to include everything that has been done throughout history.

This album presents a short panorama of commented art theories, together with experimental digital images using adopted techniques from various fields, in order to inspire the actual artists to choose from, and also to invent or adopt new procedures in producing their artworks.



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Florentin Smarandache: **DysDrawings**. *oUTER-aRT. Sixth Volume.* Brussels, Belgium: Pons, 2015, 276 p.

Keywords: Outer-Art, Counterdrawings Bad Drawings, Childish Drawings, Ineffectual Drawings, Vapid Drawings.

This pseudo-album contains all kind of abnormal, bad, ill, un-artistical drawings; that is why it is called "Dysdrawings" and it is part of the oUTER-aRT.

"Outer-Art" is a movement set up as a protest against, or to ridicule, the random modern art which states that everything is… art! It was initiated by Florentin Smarandache, in 1990s, who ironically called for an upside-down artwork: to do art in a way it is not supposed to be done, i.e. to make art as ugly, as silly, as wrong as possible, and generally as impossible as possible. (Hugues Desaert)

Excerpts from (outer-)art theory:
"The way of how not to write, which is an emblem of paradoxism, was later on extended to the way of how not to paint, how not to design, how to not sculpture, until the way of how not to act, or how not to sing, or how not to perform on the stage – thus: all reversed. Only negative adjectives are cumulated in the outer-art: utterly awful and uninteresting art; disgusting, execrable, failure art; garbage paintings: from crumpled, dirty, smeared, torn, ragged paper; using anti-colors and a-colors; naturalist paintings: from wick, spit, urine, feces, any waste matter; misjudged art; self-discredited, ignored, lousy, stinky, hooted, chaotic, vain, lazy, inadequate art (I had once misspelled 'rat' instead of 'art'); obscure, unremarkable, syncopal art; para-art; deriding art expressing inanity and emptiness; strange, stupid, nerd art, in-deterministic, incoherent, dull, uneven art... as made by any monkey!… the worse the better!"

Florentin Smarandache

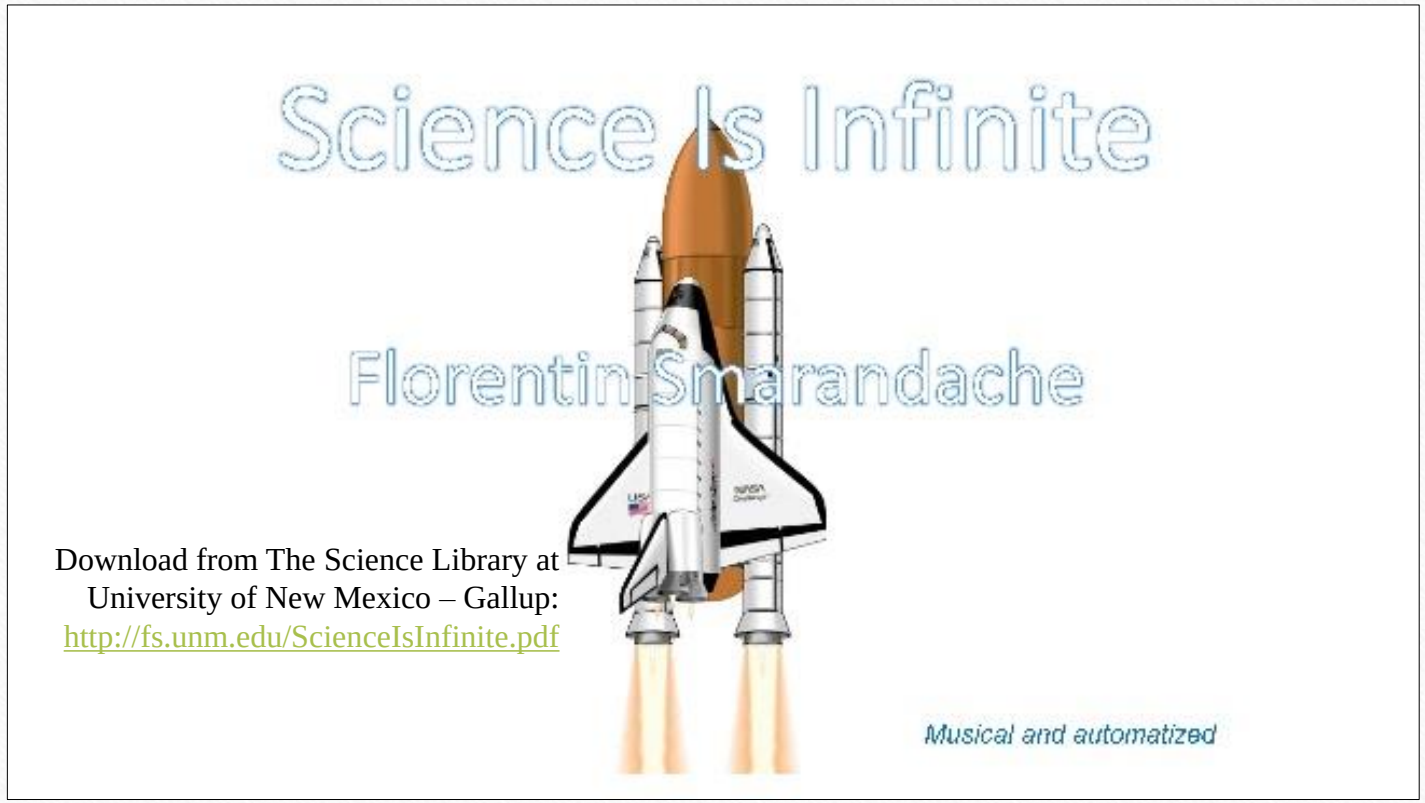
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http://fs.unm.edu/DysDrawings.pdf

This album contains images and colorings done randomly. The program randomly calculates the coordinates for the points (x,y) where to start drawing, and randomly picks up the lengths and widths, or radii of the geometric figures. You can over-draw and over-paint many times on the same electronic canvas. It is a Mechanic Art, or Automatic Art.

The accompanying reflections, meditations, and paradoxes are about science and life.

The MechanoPaint that illustrates the slides, except the covers, is made with an automatic computer program.

The program draws and paints according to the parameters given by the user. You can choose geometric figures (like rectangles, tetronimos, polyominoes, circles, etc.) as automatic drawings, and the colors you like to fill into them.



Download from The Science Library at
University of New Mexico – Gallup:
http://fs.unm.edu/ScienceIsInfinite.pdf

Florentin Smarandache: **Science is Infinite: Reflections and Paradoxes**. *Text and MechanoPaint. Musical Album of Automated Art.* Columbus, OH, USA: Education Publishing, 2005, 54 p.

Keywords: Science, Reflections, Meditations, Paradoxes, MechanoPaint, Musical album, Automated art, Geometric figures.



Florentin Smarandache: **Parallel Universes: Experimental Digital Art.** *Composed, found, changed, modified, diversified computer-programmed images.* Phoenix, AZ, USA: Hexis, 2006, 130 p.

Keywords: Experimental Art, Digital Art, Computer-programmed image, Composed images, Found images, Modified images.

This book of experimental digital art contains composed, found, changed, modified, diversified computer-programmed images.

Science and Art resemble Horace's *concordia discors* (discordant harmony) from his "Epistles" and both are built on imagination. Imagination is a quality given a man to compensate him for what he is not, and a sense of humor was provided to console him for what he is (Oscar Wilde).

Every great advance in science has issued from a new audacity of imagination (John Dewey). And similarly for the advance in art and letters.

Download from The Science Library at University of New Mexico – Gallup:
http://fs.unm.edu/ParallelUniverses.pdf

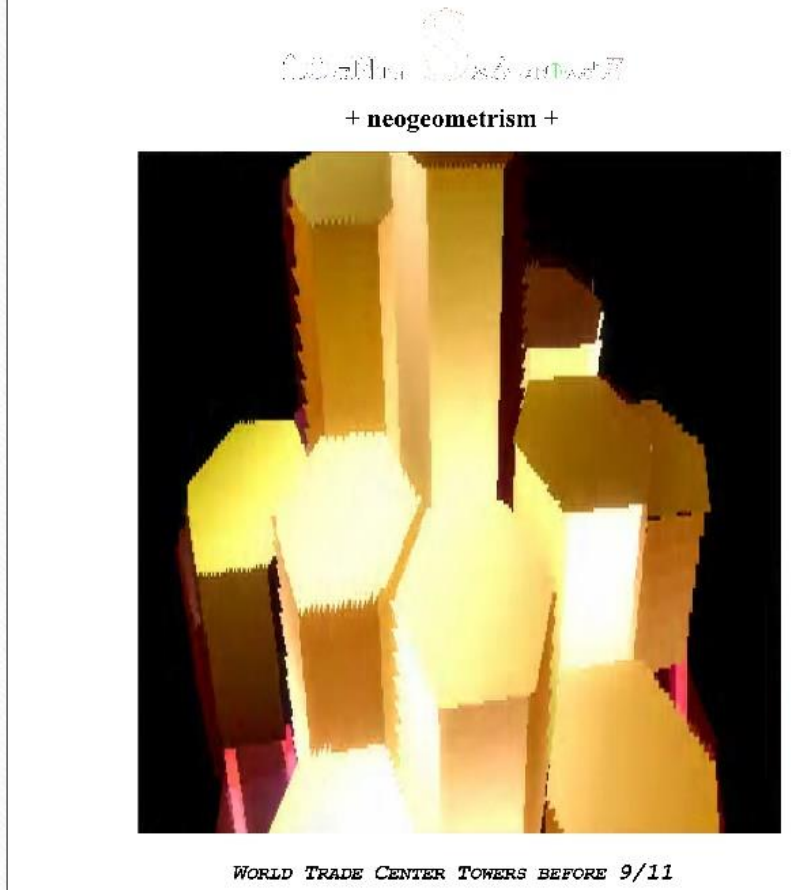
Florentin Smarandache: **nEoGeOmEtRiSm**. *Composed, found, changed, modified, alternated, or computer-programmed art works in a geometrized world*. Phoenix, AZ, USA: Hexis, 2007, 132 p.

Keywords: Science, Art, Scientific art, Geometrized images, Digital images, Computer-programmed art.

This book contains a series of 130 geometrized and almost geometrized digital images: composed, found, changed, modified, alternated, or computer-programmed art works in a geometrized world.

Science and Art resemble Horace's *concordia discors* (discordant harmony) from his "Epistles" and both are built on imagination. Imagination is a quality given a man to compensate him for what he is not, and a sense of humor was provided to console him for what he is (Oscar Wilde). Every great advance in science has issued from a new audacity of imagination (John Dewey). And similarly for the advance in art and letters.

Download from The Science Library at University of New Mexico – Gallup:
http://fs.unm.edu/neogeometrism.pdf



Download from The Science Library at University of New Mexico – Gallup:
http://fs.unm.edu/quantum-cyberart.pdf

= quantum cyberart =
{the world of micro-infinity}



2007

Florentin Smarandache: **Quantum Cyberart: the world of micro-infinity.** *Author's imagination of how would look the physical micro-universe using composed, found, changed, modified, alternated, or computer-programmed art works*. Phoenix, AZ, USA: Hexis, 2007, 108 p.

Keywords: Computer art, Cyberart, Anti-particles, Un-particles, Matter, Anti-matter, Un-matter, Filters.

These images are part of a series of about 100 cyberart creations representing the unimaginable little word of physics particles, anti-particles, un-particles that compose the matter, anti-matter, and un-matter.

They are done with Adobe Photoshop CS2, just by playing with various parameters.
For example:
- Using Filter, and then Distort or Pixelate or Sharpen or Stylize etc.
- Or Layer, New Layer Filter, and Gradient.
- Or Layer, Change Layer Content, Curves and here I play/change the graph of the curve.
- Or Image, Pixel Aspect Ratio, Custom Pixel Aspect Ratio.

Excerpts:
Mostly I used Filter, then all kind of combinations between a submenu of Filter (such as Artistic, Blur, Distort, Brush, Noise, etc.), and then another parameter of each corresponding submenu (for example for Artistic one has: Colored Pencil, Cutout, Dry Brush, etc.) and according to my eye/taste I see which one looks better. For making an album online, I insert the pictures into an MS WORD 2003 file, and then I convert it to a PDF format with my Adobe Writer/Distiller 7.0. By the way, I confess that I don't have much talent in traditionally making oil painting or hand drawing, yet I am attracted to electronically designing computer art. I even though at constructing mathematical algorithms to be implemented by computer programs in order to paint and write (electronic) poetry, prose, and dramas.

Florentin Smarandache

Florentin Smarandache (ed.): **Techno-Art of Selariu SuperMathematics Functions.** *First volume*. Rehoboth, NM, USA: American Research Press, 2007, 132 p.

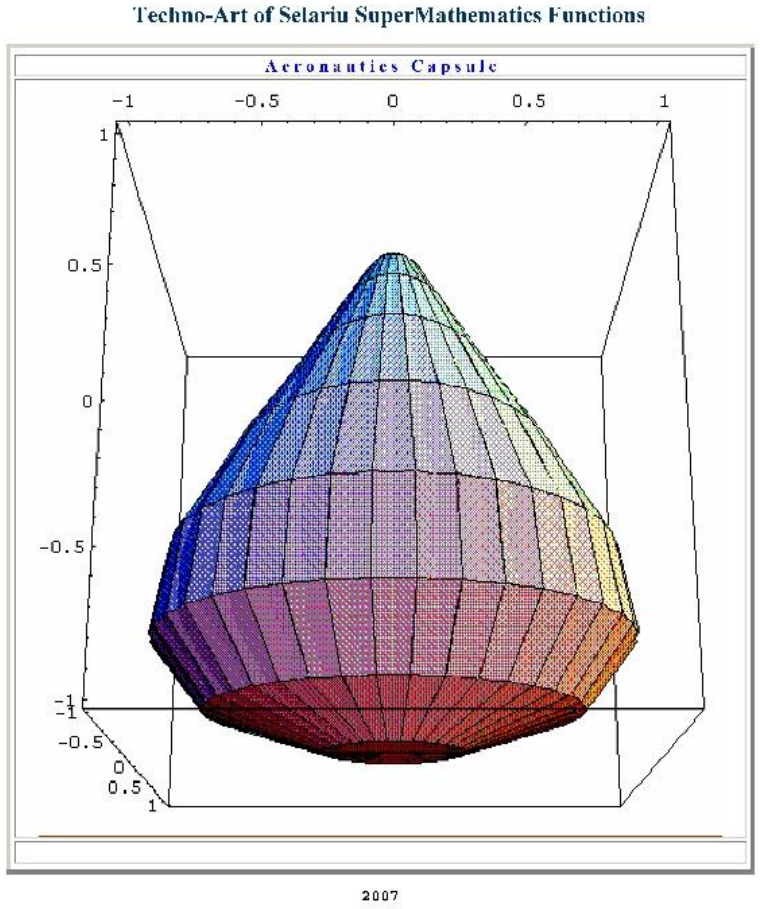
Keywords: Centric Mathematics, Super-Mathematics functions, Ex-centric radius, Ex-centric radial function, Neo-geometrical objects.

In this album we include the so called Super-Mathematics functions (SMF), which constitute the base for, most often, generating, technical, neo-geometrical objects, therefore less artistic. These functions are the results of 38 years of research, which began at University of Stuttgart in 1969. Since then, 42 related works have been published, written by over 19 authors.

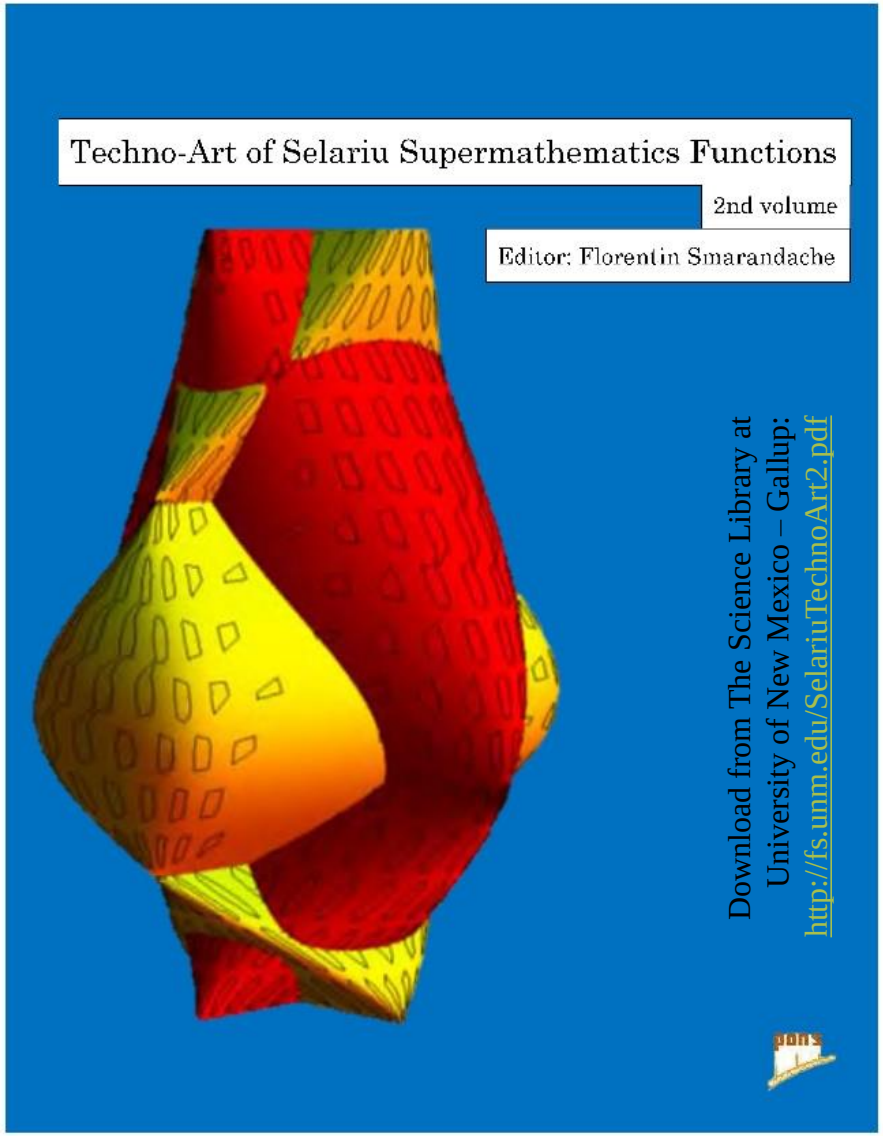
The name was given by the regretted mathematician Professor Emeritus Doctor Engineer Gheorghe Silas who, at the presentation of the very first work in this domain, during the First National Conference of Vibrations in Machine Constructions, Timişoara, Romania, 1978, named Circular Ex-Centric Functions, declared: "Young man, you just discovered not only "some functions, but a new mathematics, a supermathematics!" I was glad, at my age of 40, like a teenager. And I proudly found that he might be right!

The prefix super is justified today, to point out the birth of the new complements in mathematics, joined together under the name of Ex-centric Mathematics (EM), with much more important and infinitely more numerous entities than the existing ones in the actual mathematics, which we are obliged to call it Centric Mathematics.

Mircea Eugen Șelariu



Download from The Science Library at University of New Mexico – Gallup:
http://fs.unm.edu/SelariuFunctions.pdf



Florentin Smarandache (ed.): **Techno-Art of Selariu SuperMathematics Functions**. *Second volume*. Bruxelles, Belgium: Pons, 2015, 156 p.

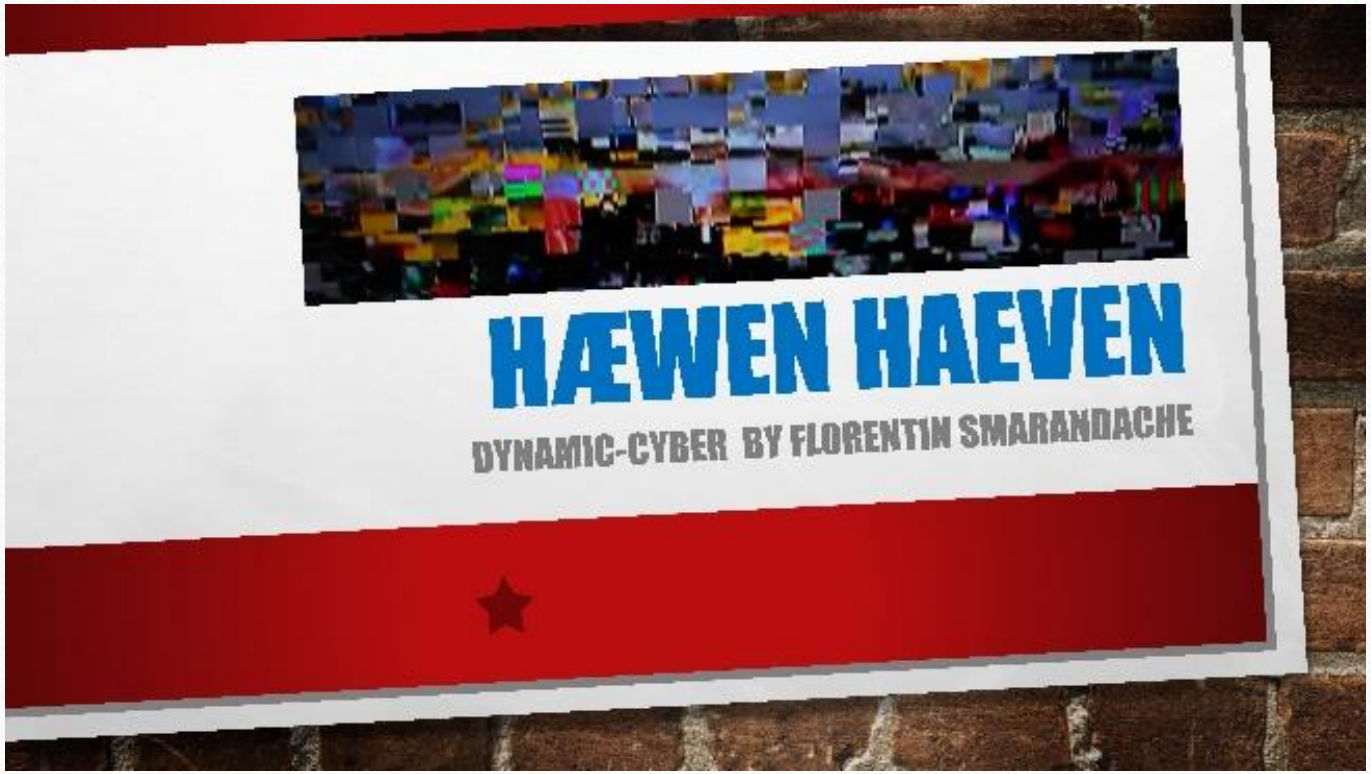
Keywords: Centric Mathematics, Super-Mathematics functions, Ex-centric radius, Ex-centric radial function, Neo-geometrical objects, Quadrilobic cubes, Sphericubes, Conopyramids, Ex-centric spirals, Severed toroids.

In the new Techno-Art of Selariu SuperMathematics Functions ALBUM (the second book of Selariu SuperMathematics Functions), one contemplates a unique COMPOSITION, INTER-, INTRA- and TRANSDISCIPLINARY. A comprehensive and savant INTRODUCTION explains the genesis of the inserted "figures", the addressees being, without discriminating criteria, equally engineers, mathematicians, artists, graphic designers, architects, and all lovers of beauty – as the love of beauty is the supreme form of love. If I should put a label on the "content" of this ALBUM, I would concoct the word NEO-BEAUTY! The new complements of mathematics, reunited under the name of ex-centric mathematics (EM), extend (theoretically, endless) their scope; in this respect, Selariu SuperMathematics Functions are undeniable arguments! The author has labored (especially in the last three decades) extensively and fruitfully in the elitist field of the domain. To mention some 'milestones' in this ALBUM, I choose specific mathematical elements, supermatematically hybridated: quadrilobic cubes, sphericubes, conopyramids, ex-centric spirals, severed toroids. There are also those that would qualify as "utilitarian": clepsydras, vases, baskets, lampions, or those suggestively “baptized” (by the author): butterflies, octopuses, flying saucers, jellies, roundabouts, ribands, and so on – all superlatively designed in shapes and colors! Striking phrases, such as “staggering multiplication of the dimensions of the Universe”, “integration through differential division” etc., become plausible (and explained) by replacing the time (of Einstein's four-dimensional space) with ex-centricity.

Ioan Ghiocel

Florentin Smarandache: **Hæwen Heaven**. *Dynamic-Cyber Art*. Bruxelles, Belgium: Pons, 2005, 62 p.

Keywords: Cyber Art, Dynamic Art, Filters, Distort, Pixelate, Sharpen, Stylize, Blur, Brush, Noise, Colored Pencil, Cutout.



Download from The Science Library at University of New Mexico – Gallup:
http://fs.unm.edu/HaewenHaeven.pdf

These 55 images in this albumare cyberart creations trying to reconstruct and reconfigure an old color we, the humans of XXIst century, seem to have lost. Its memory is present in many Indo-European languages, which have had a word to describe this special color we hardly recall: the natural color of a clean sea, encompassing blue and green and gray; in Old English, that word was hæwen.

Excerpts:

The images herein are obtained with Adobe Photoshop CS2, by playing with various parameters, using Filter, and then Distort or Pixelate or Sharpen or Stylize etc.; or Layer, New Layer Filter, and Gradient; or Layer, Change Layer Content, Curves and here I play/change the graph of the curve; or Image, Pixel Aspect Ratio, Custom Pixel Aspect Ratio.

Mostly I used Filter, then all kind of combinations between a submenu of Filter (such as Artistic, Blur, Distort, Brush, Noise, etc.), and then another parameter of each corresponding submenu (for example for Artistic one has: Colored Pencil, Cutout, Dry Brush, etc.).

Florentin Smarandache

Florentin Smarandache: **Dedications**. *Dedicated to myself. Anti-book?* Oradea, Romania: Abaddaba, 2000, 134 p.

Keywords: Artwork, Handwriting Art, Dedications, Metabook, Noel Abdulahad, George Achim, Ioan Baba, Veronica Balaj, Marian Barbu, George Bajenaru, Pierre Calderon, Minerva Chira, Silvia Cinca, George Cioranescu, Constantin Cubleșan.

Excerpts from Preface:

Is this a literary or an artwork? None and both of them simultaneously. A book which is a nonbook. This publication includes handwriting dedications that I received since emigrated to the United States, for a decade: 1990-2000, from writers and scientists, in various languages. And looks like a book of books, or metabook. The pages inside are alphabetically organized upon authors. It was my intention to "write", whitout writing, a unique in-form-and-content book for bibliophils. Its advantage is that the book can be read by people who can't read!

Florentin Smarandache

Excerpts from a review:

Dedication (cu o pagină de gardă titrată în engleză Antibook, dedicated to myself) – este o oglindă fugară a orgoliului auctorial al poetului / paradoxist / matematician, profesor la Gallup. De ce nu? Reprosul sub-insinuat astfel, dă cu sorcova oltenește, de umor persiflant, meritat, unor moftangii care au eclozat și proliferat mereu „la Dunăre", pe beizaditele plaiuri, „vorba lu´ Dinescu" ș.c.l. origi-nalitatea acestei rare dispoziții de a lua în tifle tot ce mișcă, mai ales în limbajele corcite babilonian post-bizantin, irupa la Florentin Smarandache precum o a doua natură.

H. Breteanu

Download from The Science Library at University of New Mexico – Gallup:
http://fs.unm.edu/Dedications.pdf



Florentin Smarandache: **Arta Femeii**. *Imagini și muzică de pe Internet*. Columbus, OH, USA: Educational Publisher, 2013, 109 p.



Download from The Science Library at University of New Mexico – Gallup:
http://fs.unm.edu/ArtaFemeii.pdf

Keywords: Artwork, Art Album, Aphorisms, Images, Photo.

Art album with sexy images, music and aphorisms.

Un album de artă cu imagini sexy, acompaniat de muzică și aforisme.

Excerpts:
"Dacă nu o înşeli, te-nșeală ea. Adică: ești în legitimă... apărare.

Iubire de fum platonică în filmele vechi.

Există două feluri de consoarte: unele care înşeală des, iar altele foarte des.

Contra durerii de cap se recomandă supozitorul.

Partea ascunsă poate fi mai importantă decât întregul. Prin asamblarea ei la întreg, partea se individualizează.

Numai cine nu vrea nu o dorește…

Adevăratele artiste sunt totdeauna în opoziţie.

Până la urmă e bine să mai fii și divorţat un pic într-o vacanță."

Florentin Smarandache: **Il faut sourire même si tu souffres…** *Aphorismes de vie. Translated from Romanian to French by Adriana Raducan.* Craiova, Romania: Sitech, 2013, 54 p.

Keywords: Artwork, Art Album, Aphorisms, Images, Photo.

Art album accompanied by aphorisms.
Un album d'art accompagné d'aphorismes.

Excerpts:
« Le plus grand artiste c'est... la Nature.

La femme est née pour être aimée.

On vit selon les règles. Si tu ne suivis pas la règle, l'erreure arrive.

Que ton activité soit une passion et la passion soit ton travail.

Pour toute règle il y a un détour.

Il est plus facile de garder le nettoyage que l'en faire. »



Download from The Science Library at University of New Mexico – Gallup:
http://fs.unm.edu/IlFautSourire.pdf

Florentin Smarandache: **Să poţi zâmbi atunci când suferi**. *Aforisme de viaţă.*
Craiova, Romania: Sitech, 2013, 53 p.

Keywords: Aphorisms, Images, Musical Accompaniment.

Download from The Science Library at University of New Mexico – Gallup:
http://fs.unm.edu/SaPotiZambiAtunciCandSuferi.pdf



Book of aphorisms and color images, with musical accompaniment.

Carte de aforisme și imagini colore, cu acompaniament muzical.

Excerpts:
Să creezi cu o pasiune nebună!
Create with a crazy passion!

Tot timpul se găsesc soluţii, chiar şi la probleme contradictorii.
There are always solutions, even to contradictory problems.

Din fiecare situaţie există ieşire.
There is a way out of every situation.

Când nonvaloarea ajunge la putere, valoarea este prigonită.
When the non-value reaches power, the value is persecuted.

Fii încrezător în neîncrederea ta.
Trust your distrust.

Florentin Smarandache: **Cine are urechi de auzit, să vadă**. *Aforisme de viaţă, vol. II. Prezentare de Adriana Raducan.* Craiova, Romania: Sitech, 2013, 53 p.

Keywords: Artwork, Art Album, Aphorisms, Images, Photo.



Art album accompanied by aphorisms.
Un album de artă acompaniat de muzică.

Excerpts:
Când citesc o carte, las urme pe ea, să se cunoască. O trec prin mine.

Istoria e scrisă de clasa conducătoare pe umerii clasei de jos.

Cât ai părinţi, mai eşti copil.

Dacă vrei să nu se facă nimic, angajează mulţi, şi pe toţi şefi.

Directorul, care şi-a schimbat ochelarii, va privi din alt punct... de vedere!

Keywords: Artwork, Art Album, Aphorisms, Images, Photo.

Download from The Science Library at University of New Mexico – Gallup:
http://fs.unm.edu/CineAreUrechi.pdf

Images and music from the Internet. Original aphorisms or inspired by folklore and various lectures.

Imagini și muzică de pe Internet. Aforisme inspirate din folclor și diverse lecture sau originale.

Keywords: Images, Music, Internet, Aphorisms, Folklore.



Florentin Smarandache: **Viaţa la Plus Infinit**. *Flori(n)legiu de metafore. Prezentare de Adriana Răducan.* Craiova, Romania & Columbus, OH, USA: Sitech & Educational Publisher, 2013, 54 p.

Excerpts:

La mine acasă şi câinele a îmbătrânit.
At my house even the dog got older.

În primul rând trebuie să fii om, şi după aceea cercetător, scriitor sau - mai rău - politician.
First you have to be a human being, and then a researcher, a writer or - worse - a politician.

Când te învingi pe tine însuţi, te dăruieşti altora.
When you defeat yourself, you give yourself to others.

Să-ţi uiţi trecutul înseamnă să te uiţi pe tine.
To forget your past is to forget yourself.



Download from The Science Library at University of New Mexico – Gallup:
http://fs.unm.edu/LaVieAPlusInfini.pdf

Florentin Smarandache: **La Vie à Plus Infini**. *Translated from Romanian to French by Adriana Raducan.* Craiova, Romania: Sitech, 2013, 54 p.

Keywords: Images, Music, Internet, Aphorisms, Folklore.

Art album accompanied by aphorisms inspired from folklore, various readings, or original.

Un album d'art accompagné d'aphorismes inspirés du folklore, lectures diverses, ou originales.

Excerpts:
L'avidité pour l'argent déshumanise…

Les femmes et les hommes s'aiment et se détestent réciproquement!

Le désagrément du plaisir exagéré…

Sans apprendre des erreurs on ne devient pas meilleure.

Si je ne voyage pas, je ne me sens pas à mon gré.

La science est l'art de la découverte du modèle.

Florentin Smarandache: **Fotografii îngândurate**. *Album din deșert. Fotografii din sud-vestul Statelor Unite ale Americii*. Oradea, Romania: Duran's, 2013, 80 p.



În literatura românească de călătorie, Florentin Smarandache e un fel de doi într-unul: Juan Sebastian El Cano şi Antonio Pigafetta dimpreună; navigator cărturar, dar totodată un reporter al propriei umbre.

Oarecum, acest album din deşert e un rebus de imagini. Gândurile asociate imaginilor au rolul de a conduce privitorul într-o intersecţie de drumuri multiple, spre destinaţii multiple, dar, paradoxist, posibil identice. Deşi autorul ne propune fotografii îngândurate, polii se pot uşor inversa, iar receptarea să atribuie intersecţiei în care a fost plasată semnificaţia de gânduri fotografiate.

Călătoria este pentru Florentin Smarandache un pharmakon: leac şi otravă deopotrivă. Şi îl serveşte ca atare. Cine are curiozitatea să-i deseneze călătoriile pe hartă, va descoperi că nu mai e mult până profesorul de matematici de la New Mexico University va putea exclama, cu vorbele lui Seneca: nec sit terris ultima Thule!

Octavian Blaga

Keywords: Photographed Thoughts, Images, Photo, Desert, Image Puzzle, Aphorisms.

Lyrics and suggestive associated images.
Versuri și imagini asociate sugestive.

Keywords: Poeme într-un rând, Poetry, Avant-garde, Artwork, Art Symbiosis, Photo, Birds, Love.

Excerpts:
Portret: O pasăre / cu suflet de statuie / se ascunde în ploaie.
Portrait: A bird / with a statue's soul / hides in the rain.

Fericire: Păsări înalte / dansează / pe nori.
Happiness: Tall birds / dancing / in the clouds.

Simplitate: Mă risipesc / în lucruri / ca o privighetoare în cânt.
Simplicity: I scatter / in things / like a nightingale in song.

Trecere: Timpul / închide fereastra / unei clipe.
Pass: Time / close the window / of a moment.

Arta poetică: O pasăre / plânge dulce-amărui / în versul meu.
Poetic Art: A bird / cries sweet-bitter / in my verse.

Florentin Smarandache: **Cules de păsări**. *Poeme într-un rând*. Oradea, Romania: Anotimp, 2014, 52 p.



Download from The Science Library at
University of New Mexico – Gallup:
http://fs.unm.edu/CulesDePasari.pdf



Download from The Science Library at
University of New Mexico – Gallup:
http://fs.unm.edu/FloriIndragostite.pdf

Florentin Smarandache: **Flori îndrăgostite**. *Poeme într-un rând*. Oradea, Romania: Adsumus, 2014, 52 p.

Keywords: Poeme într-un rând, Poetry, Avant-garde, Artwork, Art Symbiosis, Photo, Flowers, Love.

Lyrics and suggestive associated images.

Versuri și imagini asociate sugestive.

Excerpts:
Poezia: Glasuri de flori / bat la porțile / luminii.
Poetry: Voices of flowers / knocking at the gates / of light.

Avangardă: Săptămâna / oarbă / a imaginației.
Avant-garde: The blind / week / of imagination.

Anxietate: Frunze / paralizate / de frică.
Anxiety: Leaves / paralyzed / by fear.

Ură: Flori / rigide / și frigide.
Hate: Flowers / rigid / and frigid.

Eternitate: Cavou / de flori, / timpul.
Eternity: Tomb / of flowers, / the time.

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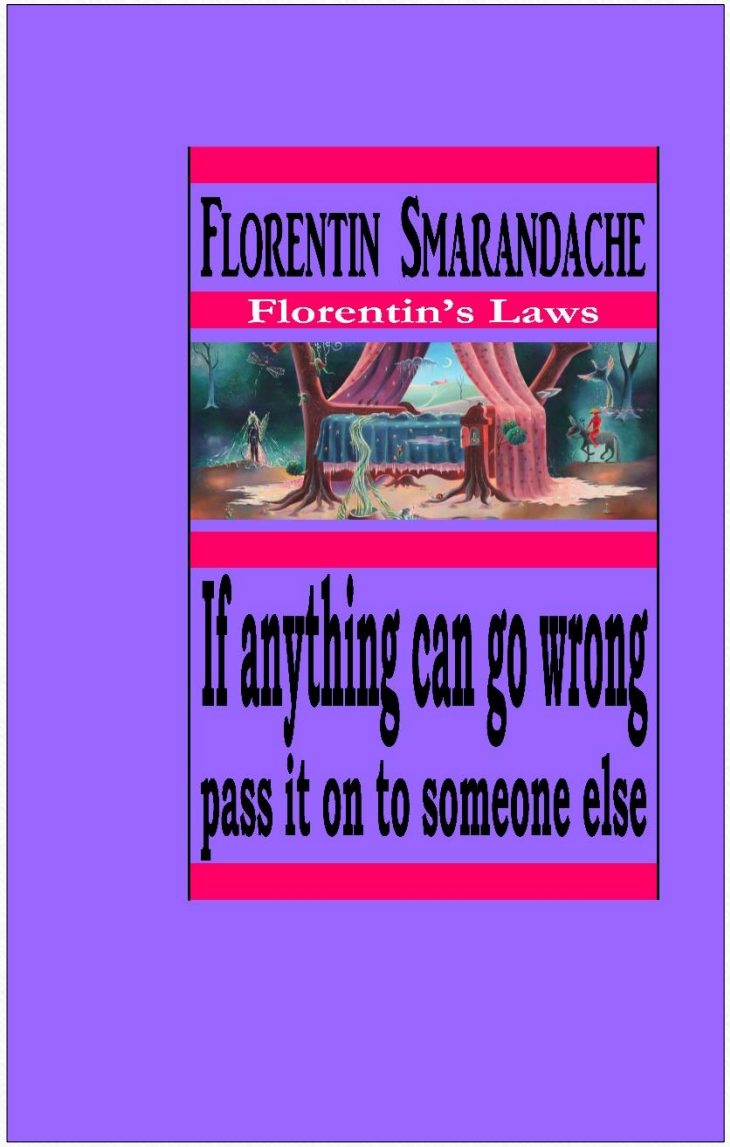
Smarandache's Books

Aphorisms
Letters
Interviews

Miscellanea

Literary Anthologies
Memoirs
Notes
Scilogs

Download from The Science Library at University of New Mexico – Gallup:
http://fs.unm.edu/FlorentinsLaws.pdf



Florentin Smarandache: **Florentin's Laws (If anything can go wrong, pass it on to someone else!).** Phoenix, AZ, USA: Xiquan, 1990, 26 p.

Keywords: Murphy, Peter, Paradoxism, Neutrosophic Logic, Aphorism, Folklore.

Being paradoxist in nature, Florentin's Laws are especially deviations, modifications, generalizations, contra-sayings, parodies, or mixtures of the previous Murphy's Laws and Peter's Laws. And also of aphorisms, proverbs, known citations, clichés, scientific results (from physics, mathematics, philosophy, ...), etc. Alternatively, collations of opposite ideas - gathered from folklore, from ads, from literature, from familiar speech.

For example, Murphy's law: "Anything that can go wrong will go wrong", which in Peter's law is stated as: "If anything can go wrong, Fix It!", becomes in Florentin's law, through deviation: "If anything can go wrong, pass it on to someone else!" in a Machiavelli way, as a mixture of pessimism / optimism and laugh!

In the above example, while Murphy's law output is negative and Peter's law output is positive, Florentin's law output is indeterminate [perversity] as in neutrosophic logic (i. e. the problem has not be solved, but passed to another person!... it's a trickery (deception, cunning, dodge, swindle, caper, subterfuge).

Each Florentin's Law includes: negative (pessimism) and positive (optimism) attributes, while its conclusion is moderate – often trickery bended with humor.

Excerpts:

- If it's not worth doing, let others do it.
- Oh, God, protect me from my friends, because from my enemies I protect myself!
- Interpret the worst things positively, and the good things negatively.
- Failure is good - it brings you experience. Success can make you lazy and arrogant.

Florentin Smarandache: **În doi timpi şi trei mişcări**. *Afurisisme - culese din folclor*.
Bucharest, Romania: Perpessicius, 2002, 130 p.

Keywords: Syntagms, Butads, Annotations, Idiomatic, Clichés, Paradoxism, Neutrosophic Logic, Aphorism, Folklore.

Notații spontane, transcrise de pe caiete vechi de acum 20 de ani, când porneam spre poezie cu pasiune timidă ca spre o femeie inaccesibilă. Sintagme, butade, adnotări, locuțiuni (substantivale, verbale, adjectivale etc.), clișee idiomatice, construcții regionale, arhaice, idei/gânduri răzlețe, cugetări scurte, șabloane de limbă, zicături, afurisenii - in majoritate culese din folclor, altele extrase din lecturi diverse. Ordinea: fără ordine!

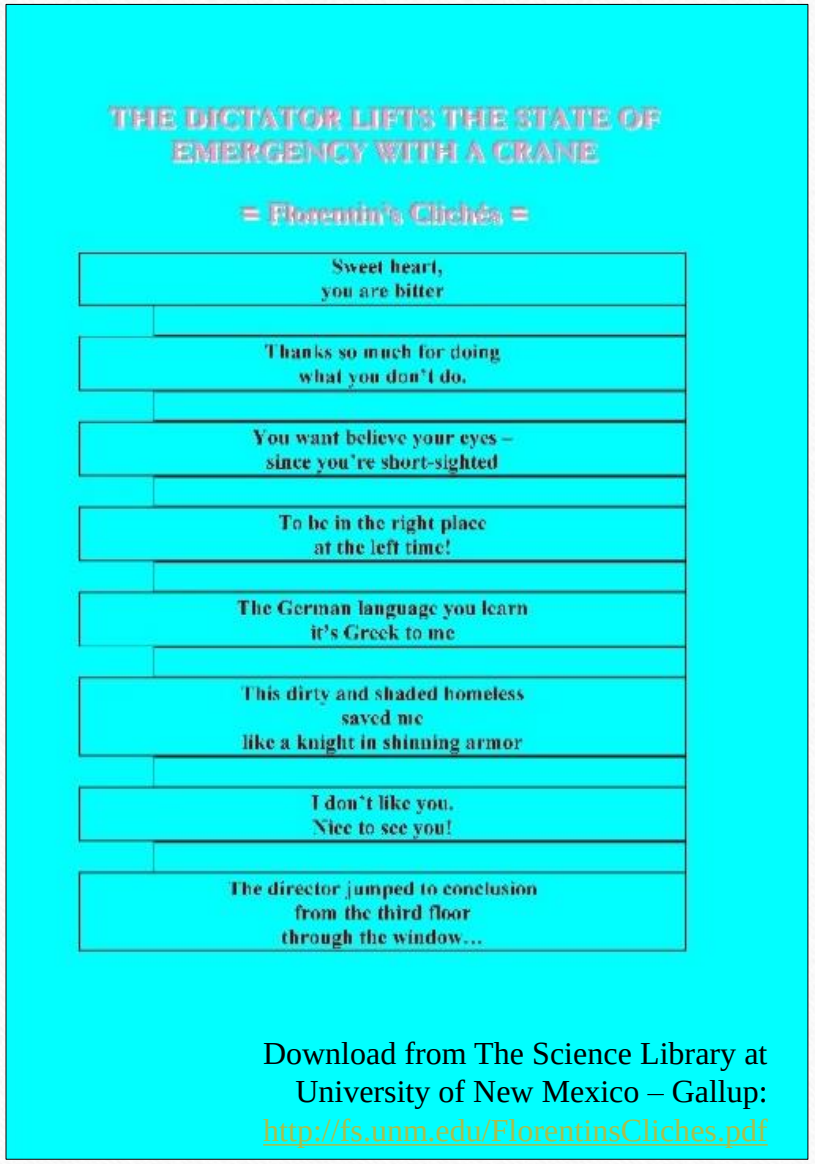
Căutam metafora care să-nflorească în poezie, și scrisul plastic, sculptural, ideea tridimensională. Purtam veșnic în buzunar o hârtie împăturită și-o mină de pix ca să nu-mi scape nici o idee, oricât de subțire, ori vreo șuetă, străfulgerând prin minte. Așa am compus primele poeme publicate în volumul „Formule pentru spirit” (1981), fiindcă ele urmau niște algoritmi de creație. Și-aș fi putut să scriu, în acest fel, la infinit!

Dar simțeam nevoia să fiu într-o permanentă schimbare. De la literatura cu metafore frumoase, plesnind ca niște ghiocei sub pojghița de zăpadă, la literatura experimentală și avangarda cu program, la studii statistice în lirică, ori la definirea unor specii noi lirice (distihul paradoxist, distihul tautologic, distihul dual etc.), apoi piese de teatru combinaționale, ori proze multistilistice.

– Florentin Smarandache

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University of New Mexico – Gallup:
http://fs.unm.edu/FlorentinsCliches.pdf

Florentin Smarandache: **Florentin's Cliches (The dictator lifts the state of emergency with a crane).** Ann Arbor, MI, USA: InfoLearnQuest, 2008, 21 p.

Keywords: Cliché, Paradoxism, Neutrosophic Logic, Aphorism, Folklore, Figurative Language, Contradiction.

The Florentin's Cliché are constructed as follows:
- Changing the figurative language [figure of speech] of a cliché to a literal language;
- Or distorting the clichés, making them abnormal, deviating their common sense by simple substitutions of words;
- Or eliminating some words from a cliché, or switching the verbs between assertion and negation, in order to give the cliché a surprising new significance;
- Or considering a chain of (more or less) contradictory clichés and putting together with a unitary semantics;
- Or juxtaposing a cliché with a … (partial or total) contradictory syntagma!
And as a whole the Florentin's Cliché is blended with humor.

Excerpts:
• Sweet heart, you are bitter!
• Thanks so much for doing what you don't do.
• You want believe your eyes – since you're short-sighted
• To be in the right place at the left time!
• The German language you learn it's Greek to me.
• This dirty and shaded homeless saved me like a knight in shinning armor.
• The director jumped to conclusion from the third floor through the window…

Florentin Smarandache: **Florentin's Homonyms (Send me an e-Male).** Columbus, OH, USA: Education Publishing, 2007, 17 p.

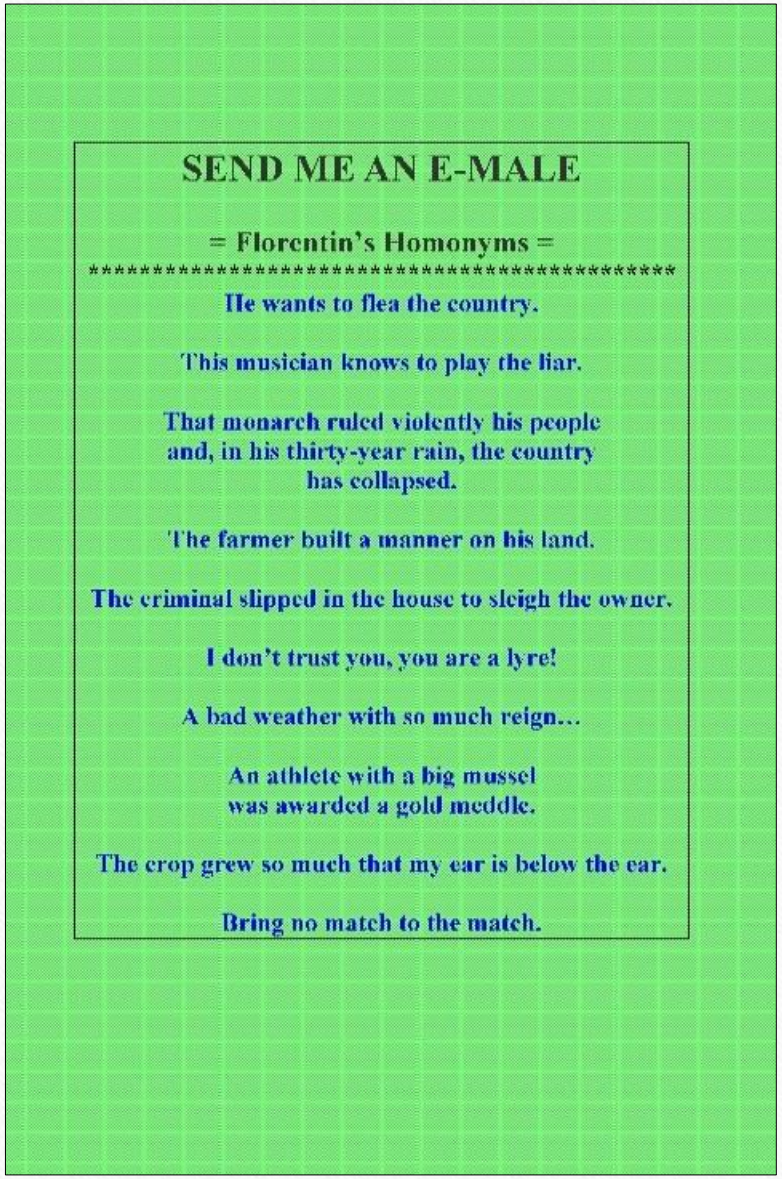
Keywords: Homonym, Paradoxism, Neutrosophic Logic, Aphorism, Folklore, Language Rules, Orthography, Mistakes.

Excerpts:

- He wants to flea the country.
- This musician knows to play the liar.
- The farmer built a manner on his land.
- The criminal slipped in the house to sleigh the owner.
- I don't trust you, you are a lyre!
- A bad weather with so much reign…
- An athlete with a big mussel was awarded a gold meddle.
- The crop grew so much that my ear is below the ear.
- Bring no match to the match.

A Florentin's Homonym uses homonyms in an upside-down way, entangling grammar and language rules, defying orthography, loving mistakes, employing tongue hindering; ambiguities of words and senses (homonymic clash); or sentences with two or more homonymic forms put together - either as separate homonymic phrase, or as a chain of homonyms; - and, of course, the eternal humor which helps as does the salt in the food!

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SEND ME AN E-MALE

= Florentin's Homonyms =

****

He wants to flea the country.

This musician knows to play the liar.

That monarch ruled violently his people
and, in his thirty-year rain, the country
has collapsed.

The farmer built a manner on his land.

The criminal slipped in the house to sleigh the owner.

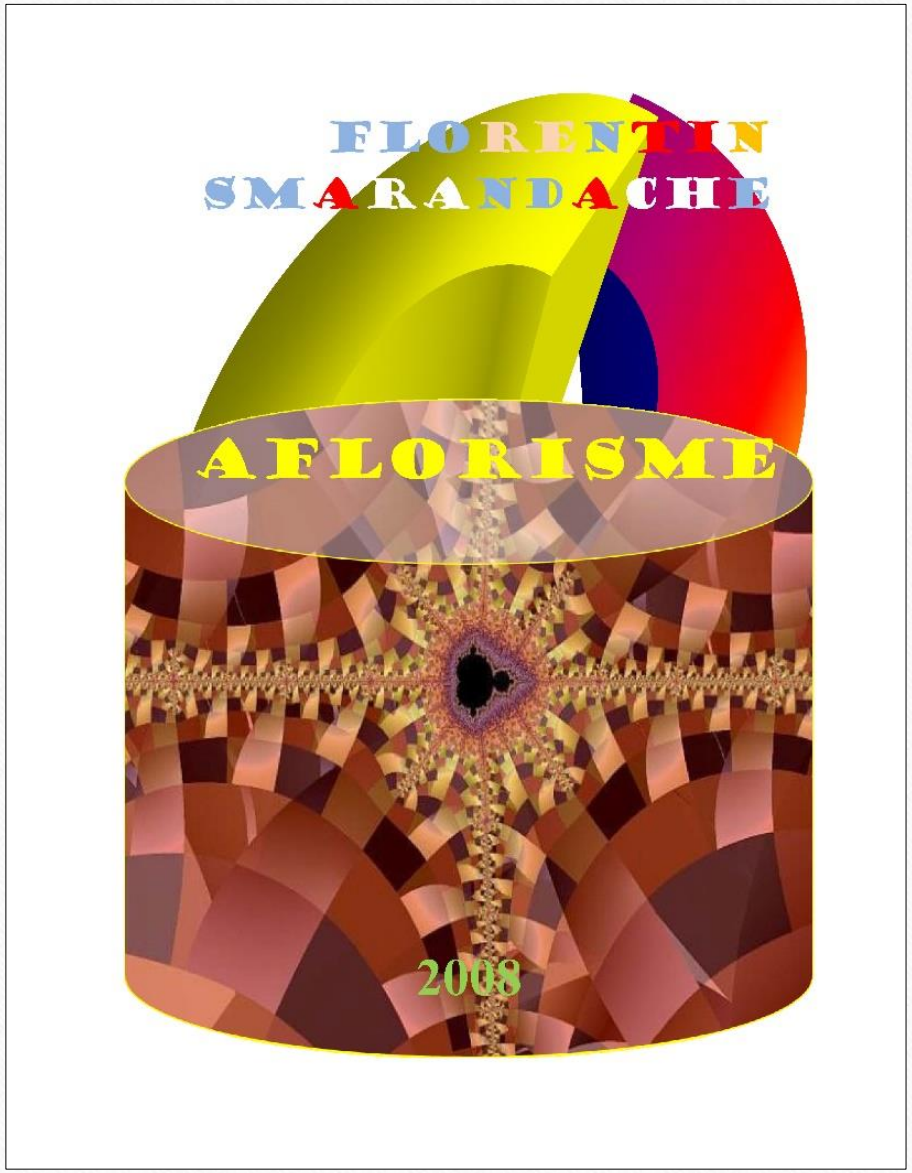
I don't trust you, you are a lyre!

A bad weather with so much reign…

An athlete with a big mussel
was awarded a gold meddle.

The crop grew so much that my ear is below the ear.

Bring no match to the match.



Florentin Smarandache: **Aflorisme**. Bucharest, Romania: Carpathia, 2008, 140 p.

Keywords: Proverbs, Sayings, Metaphors, Paradoxism, Neutrosophic Logic, Aphorism, Folklore.

Etimologic, aforism + flori = af(L)orism, deci un "aflorism" este o mică reflecție scrisă pe un dizain floral, ori un poem scurt pe un fond artistic. Aflorismele de față au fost adaptate dintr-un caiet mai vechi de expresii fie culese din folclor, fie inspirate din lecture diverse în perioada când eram în țară sau în lagărul turcesc. Ele au forma unor maxime, proverbe, ziceri, dar mai degrabă metafore lirice. Aflorismele sunt contemplații colorate. Acest volum înrămează aforismele în diverse figuri geometrice.

"Poetul I. Voronca şi pictorul V. Brauner inventaseră, în cadrul avangardei româneşti, pictopoezia, în anul 1924, despre care spuneau că: nu este nici pictură, nici poezie! Recent, se promovează videopoezia (videoclipuri lirice). Dar - cum ştiinţa şi tehnologia întotdeauna au lărgit sfera umanistă, mai general vom avea de-a face cu o "poezie multi-media", sau "artă multi-media", "nuvelă multi-media", "roman multi-media", etc., adică: text, imagine, sunet, animaţie, video, etc. Iar, pe măsură ce tehnologia se va dezvolta, alte simţuri ar putea să-şi găsească locul în sanctuarul literaturii şi artei (dispozitive cibernetice prin care să poţi mirosi, gusta, pipăi, etc. o operă literară, artistică, sau chiar ştiinţifică – deşi în prezent acest lucru pare science-fiction)."

– Florentin Smarandache

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http://fs.unm.edu/aflorisme.pdf

Florentin Smarandache: **Florentin's Lexicon**. *Experimental Paradoxist Linguistics*. Ann Arbor, MI, USA: InfoLearnQuest, 2008, 86 p.

Keywords: Murphy's Laws, Clichés, Homonyms, Tautologies, Proverbs, Metagrams, Monorhymes, Abbreviations, Paradoxism, Neutrosophic Logic, Aphorism, Folklore.

This volume includes author's paradoxist experiments in linguistics from a literary point of view.

One devises various methods that deviate and alter the classical form of some linguistic expressions.

Eleven linguistic categories are presented (Murphy's laws, the clichés, homonyms, tautologies, proverbs, metagrams, translations, definitions, figures of paradoxism, monorhymes, and abbreviations), which afterwards are respectively turned into their corresponding Florentin's laws, clichés, homonyms, etc. and exemplified.

Excerpts:

If you have no choice, still choose! When given two choices, take three!

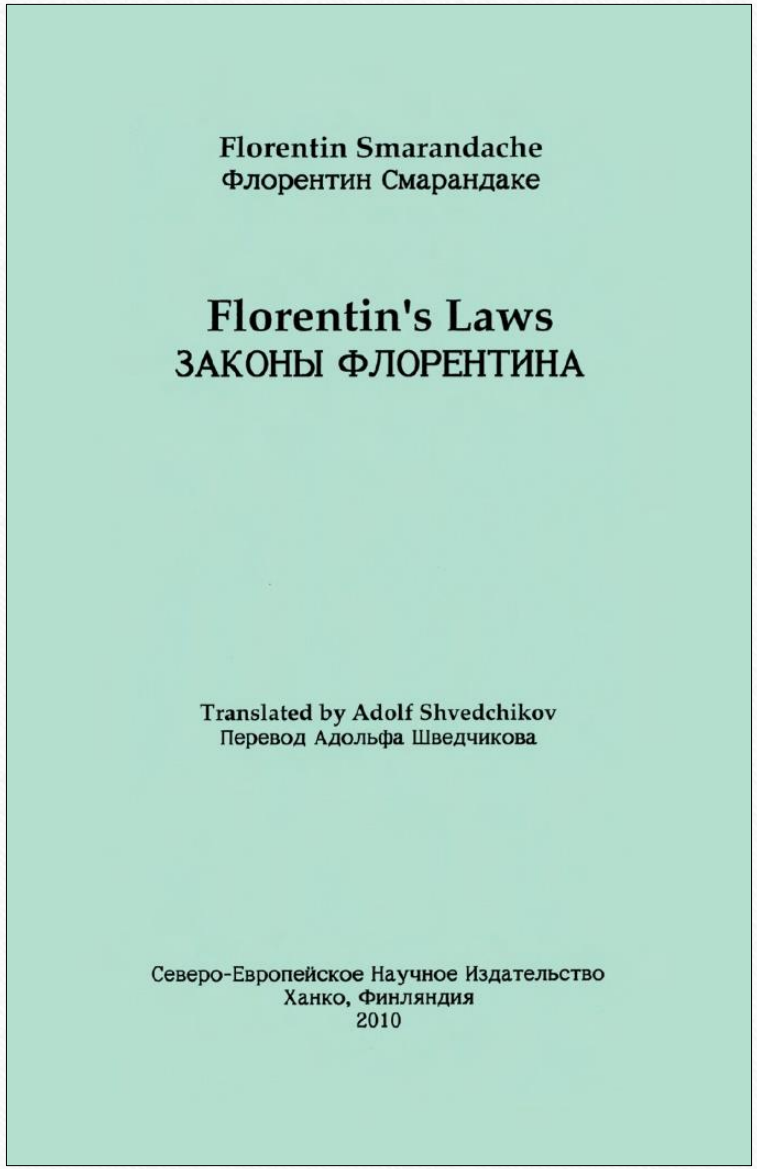
Bless your enemies, they ambition you. Blame your friends, they idle you.

If your foes don't like to do something, make them do that. If they love it, prove they're wrong.

If you do not want to execute an order, convince others to executing it. If you do, still have others helping you.

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http://fs.unm.edu/FlorentinsLexicon.pdf





Florentin Smarandache: **Законы Флорентина**. *Translated into Russian by Adolf Shvedchikov*. Hanko, Finland: North-European Scientific Publishers, 2010, 19 p.

Keywords: Murphy, Peter, Paradoxism, Neutrosophic Logic, Aphorism, Folklore.

Florentin's laws are neither Murphy's Laws (pessimistic) nor Peter's Laws (optimistic), but, on the one hand, partly pessimistic and partly optimistic, and on the other hand neutral (ambiguous: neither pessimistic, nor optimistic) - as in neutrosophic logic.

Being paradoxist by their nature, Florentin's Laws are deviations, modifications, generalizations, counter-proverbs, parodies or combinations of the Murphy-Peter Laws, mixtures of aphorisms, proverbs, famous quotes, clichés, scientific results (from physics, mathematics, philosophy) etc.; alternatively, collations of contrary ideas gathered from folklore, from advertisements, from literature, from informal speech.

Excerpts:
Всё Возможно, невозможное тожел.
Ничто несовершенно,даже совершенное!
Всё Плохо, включая хорошее. и наоборот.
Смысл включает бессмыслицу, и бессмыслица включает Смысл.
Всё обладает и не обладает величиной.

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http://fs.unm.edu/ZakonyFlorentina.pdf

Florentin Smarandache, Gheorghe Niculescu: **Tolba cu metafore**. *Grafostihuri*. Craiova, Romania: Sitech, 2012, 135 p.

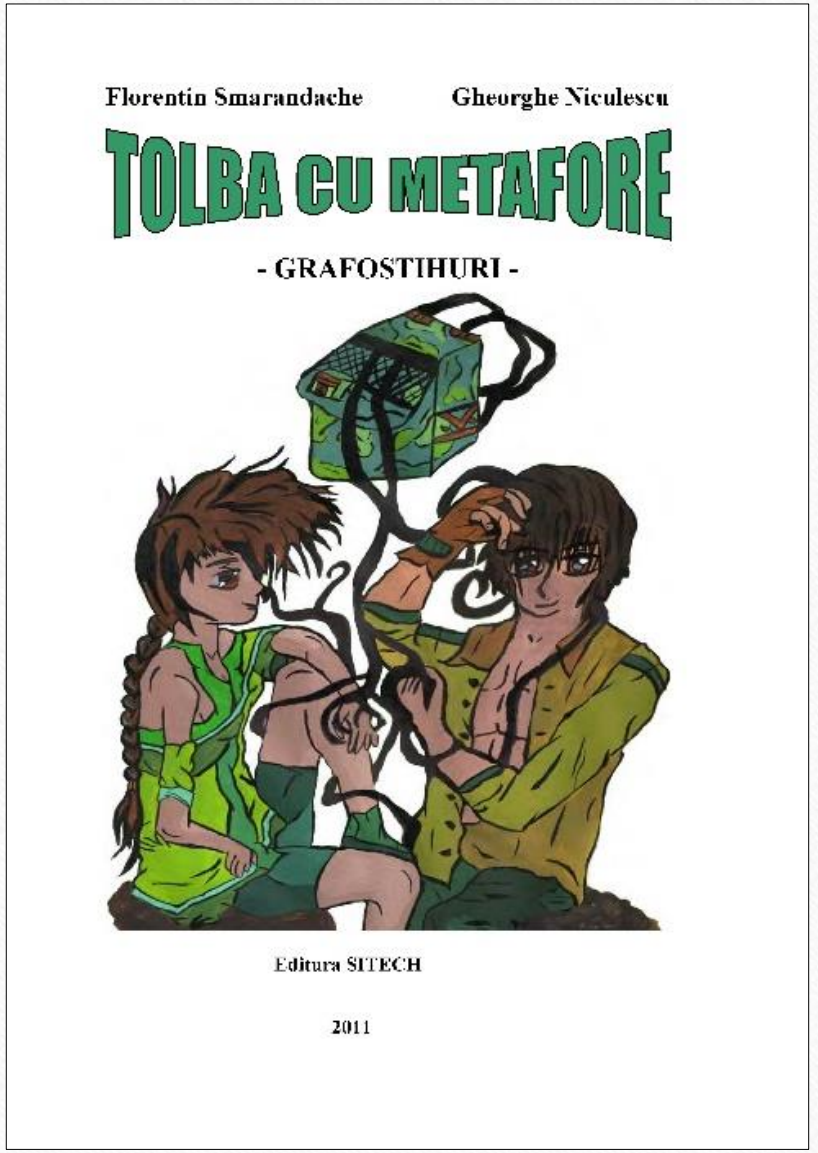
Keywords: Grafie, Stih, Paradoxism, Aphorism, Folklore.

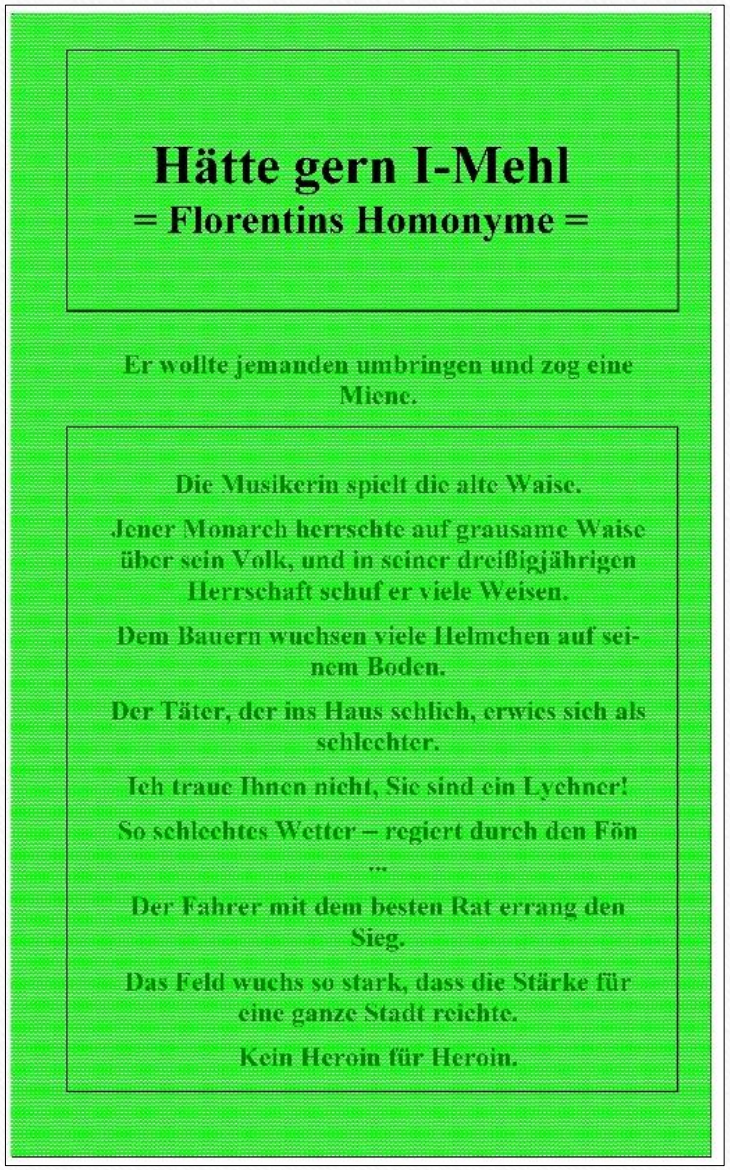
Am prelucrat, în laboratorul nostru mental, sute de sintagme şi cuvinte, dându-le aspect de micropoeme, şi fiindcă acestea trebuiau să poarte un nume, am născocit cuvântul grafostihuri. „Grafie" vine din franţuzescul graphie şi înseamnă desen, formă, iar „stih" din slavonul stihŭ, care înseamnă vers, verset din psalmi. Fiecare pagină conţine în mijloc o imagine înconjurată de metafore.

Excerpts:

- Vrea, nu vrea, Grigore nu are glagore, dar bea agheasmă.
- Sunt conştient de necesitatea cunoaşterii inconştientului.
- Eticheta etichetează conţinutul în mod inechitabil.
- Fondatorul psihanalizei a analizat fondul psihic al analizatului.
- Sunt conştient că subconştientul îmi influenţează conştiinţa în mod fluent.

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http://fs.unm.edu/TolbaCuMetafore.pdf





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http://fs.unm.edu/FlorentinsHomonyme-de.pdf

Florentin Smarandache: **Florentins Homonyme (Hätte gern I-Mehl)**. *Ins Deutsche buxiert von Bernd Hutschenreuther.* Columbus, OH, USA: Education Publishing, 2012, 16 p.

Keywords: Homonym, Paradoxism, Neutrosophic Logic, Aphorism, Folklore, Language Rules, Orthography, Mistakes.

A Florentin's Homonym uses homonyms in an upside-down way, entangling grammar and language rules, defying orthography, loving mistakes, employing tongue hindering; ambiguities of words and senses (homonymic clash); or sentences with two or more homonymic forms put together - either as separate homonymic phrase, or as a chain of homonyms; - and, of course, the eternal humor which helps as does the salt in the food!

Es kehrt Grammatik- und Sprachregeln um, trotzt dabei der Grammatik und liebt Fehler, indem es die Sprache stört, Mehrdeutigkeiten zwischen Wörtern und Bedeutungen (die homonymische Kollision) nutzt, Folgesätze mit zwei oder mehr homonymen Formen, die entweder als separater homonymer Ausdruck oder als eine Reihe von Homonymen gebildet werden, aufstellt, und selbstverständlich den immerwährenden Humor, der wie das Salz in der Suppe wirkt, nicht vergisst.

Excerpts:

- Die Musikerin spielt die alte Waise.
- Dem Bauern wuchsen viele Helmchen auf seinem Boden.
- Der Täter, der ins Haus schlich, erwies sich als schlechter.
- Ich traue Ihnen nicht, Sie sind ein Lychner!
- So schlechtes Wetter – regiert durch den Fön...
- Der Fahrer mit dem besten Rat errang den Sieg.
- Das Feld wuchs so stark, dass die Stärke für eine ganze Stadt reichte.
- Kein Heroin für Heroin.

Florentin Smarandache: **Legile lui Florentin (Dacă o treabă nu merge bine, paseaz-o altuia!).** Oradea, Romania: Ferestre, 2015, 30 p.

Keywords: Murphy, Peter, Paradoxism, Neutrosophic Logic, Aphorism, Folklore.

Florentin's laws are neither Murphy's Laws (pessimistic) nor Peter's Laws (optimistic), but, on the one hand, partly pessimistic and partly optimistic, and on the other hand neutral (ambiguous: neither pessimistic, nor optimistic) - as in neutrosophic logic.

Being paradoxist by their nature, Florentin's Laws are deviations, modifications, generalizations, counter-proverbs, parodies or combinations of the Murphy-Peter Laws, mixtures of aphorisms, proverbs, famous quotes, clichés, scientific results (from physics, mathematics, philosophy) etc.; alternatively, collations of contrary ideas gathered from folklore, from advertisements, from literature, from informal speech.

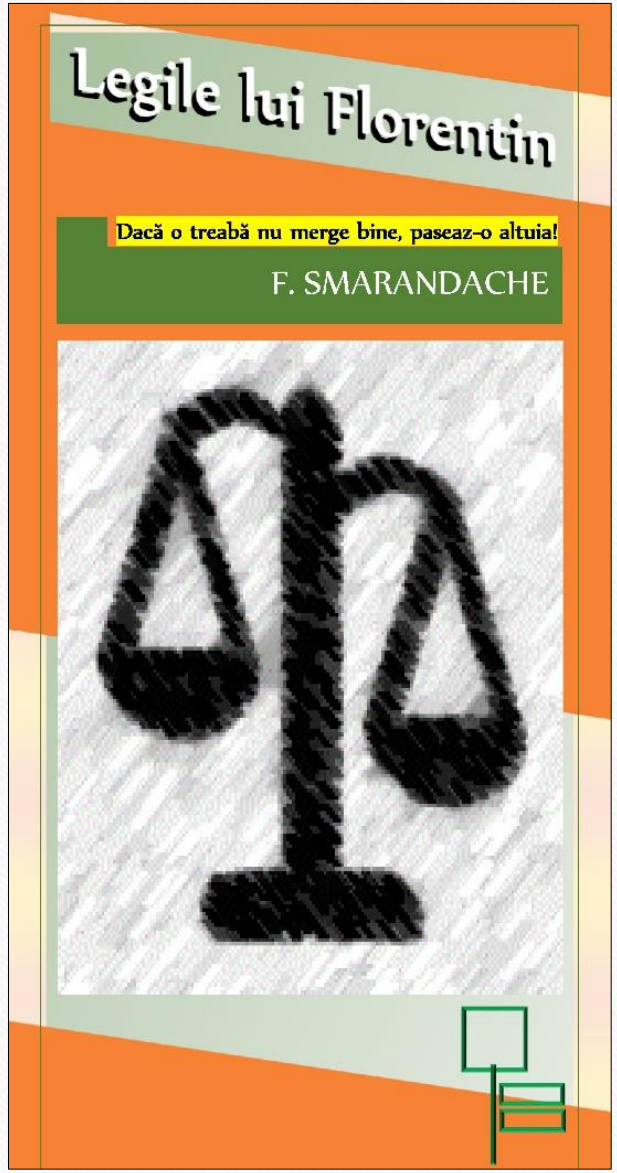
Legile lui Florentin nu sunt nici Legi ale lui Murphy (pesimiste), nici Legi ale lui Peter (optimiste), ci, pe de o parte, parțial-pesimiste și parțial-optimiste, iar pe de altă parte neutre (ambigue: nici pesimiste, nici optimiste) – ca în logica neutrosofică.

Fiind paradoxiste prin natura lor, Legile lui Florentin sunt devieri, modificări, generalizări, contra-proverbe, parodii sau combinații ale Legilor Murphy – Peter, mixturi de aforisme, proverbe, citate celebre, clișee, rezultate științifice (din fizică, matematică, filosofie ș.a.) etc.; alternativ, colaționări de idei contrare adunate din folclor, din anunțuri și publicitate, din literatură, din vorbirea informală.

Excerpts:

Legea lui Florentin pentru soldați: Se merită să nu fii în primele rânduri, pentru că scad șansele de a fi împușcat.

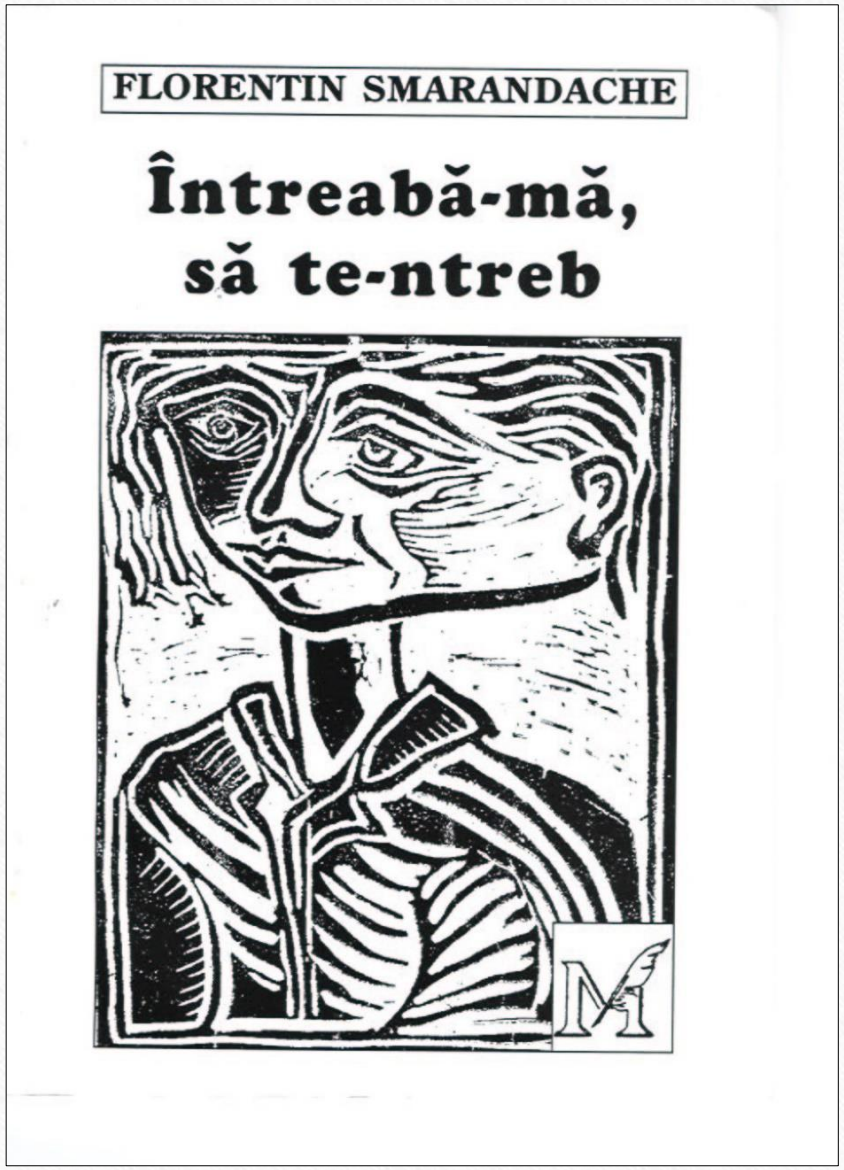
Legea lui Florentin pentru motocicliști: Se merită să nu fii între primii până în ultimul kilometru, fiindcă motocicliștii din față suportă mai multă presiune a vântului decât tine.



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http://fs.unm.edu/LegileLuiFlorentin.pdf

The volume contains interviews with questions and answers regarding the author's life, his status as an emigrant, his literary and mathematical creation, the paradoxical movement. Although his professional background is that of a mathematician, F. Smarandache declares "that he does not want to follow Ion Barbu". For him, writing is a psychotherapy, "a discharge of the soul from all the pain and anxiety that haunts it." For F. Smarandache, poetry was an "experiment, a cartridge on the pipe of thought, a transfiguration of natural numbers".

Volumul conține interviuri cu întrebări și răspunsuri referitoare la viața autorului, la statutul lui de emigrant, la creația lui literară și matematică, la mișcarea paradoxistă. Deși formația sa profesională este de matematician, F. Smarandache declară „că nu vrea să-l urmeze pe Ion Barbu”. Pentru el, scrisul este o psihoterapie, „o descărcare a sufletului de toată durerea și anxietățile care-l bântuie”. Poezia a fost pentru F. Smarandache un „experiment, un cartuș pe țeava gândirii, o transfigurare a numerelor naturale”.



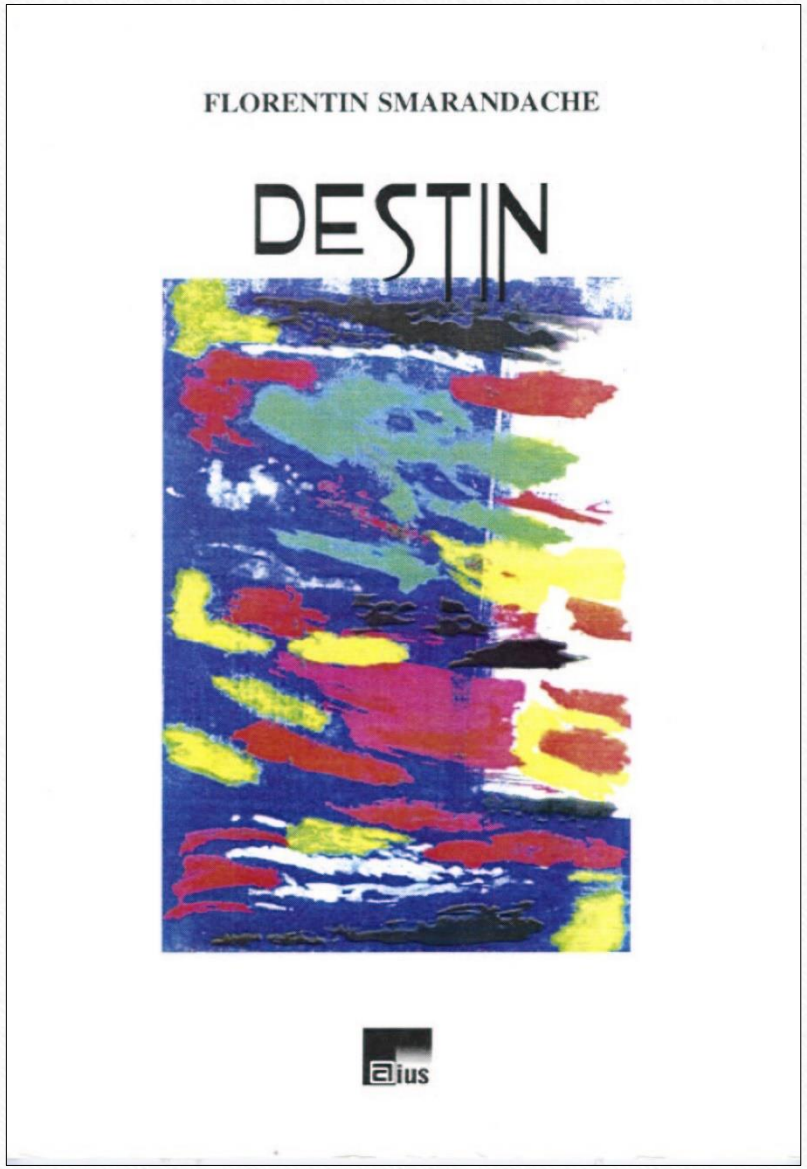
Florentin Smarandache: **Întreabă-mă, să te întreb**.
Târgoviște, Romania: Macarie, 1999, 59 p.

Keywords: Interviews, Corneliu Florea, Veronica Balaj, Mihail I. Vlad, Ioan Nicoară, Cornel Pop.

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Sub deviza: „totul e posibil… deci și imposibilul”, F. Smarandache a inițiat mișcarea paradoxistă, ca un protest antitotalitar. Spre deosebire de mișcările de avangardă, „paradoxismul nu neagă curentele-școlile-operele anterioare, ci le extinde la infinit. Literatura obiect-preluat întocmai din natură, nealterată”, subliniază F. Smarandache.

Ion Radu Zăgreanu



Florentin Smarandache: **Destin**. *Nuvele, poveşti, teatru, eseuri, culegeri din folclor, interviuri, versuri.* Craiova, Romania: Aius, 2000, 246 p.

Keywords: Poetry, nuvele, povești de adormit copii, teatru scurt, eseuri, culegeri de folclor, interviuri, versuri experimentale, versuri vagaboante, semi-colaje lirice.

Acest volum al paradoxistului Florentin Smarandache se află sub zodia conceptului rațiunii care conține trăsături esențiale ale principiului randamentului. În contradicție cu semantica titlului, „Destin", (titlul unei piese fără actori, fără decor, fără dialog, ce sugerează „interiorul" unui fenomen își asumă, prin extensie paradoxală, exteriorul său), ceea ce înseamnă un dat al Creatorului și acceptat de cel creat, cuprinde o paletă largă a vibrațiilor literare ale autorului (nuvele, povești de adormit copii, teatru scurt, eseuri, culegeri de folclor, interviuri, versuri experimentale, versuri vagaboante, semi-colaje lirice), ajunge la viziunea unei forme superioare de rațiune/irațiune care reprezintă tocmai negarea acestor trăsături, întrucât ea este receptivitate exprimată prin negarea ei.

Al. Florin Țene

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Florentin Smarandache: **Totul este posibil, chiar şi imposibilul!** *Interviuri, scurte eseuri, traduceri, versuri. Ediţia a doua, adăugită.* Bucureşti, Romania: Carpathia, 2008, 135 p.

Keywords: Teoria Dezert-Smarandache, Paradoxism, Paradoxist Distiches, Flavia Teoc, Edmund Miller, Gerald England, Silvia Constantinescu, Ovidiu Bufnilă, Tudor Negoescu, Adrian Lesenciuc, Gabriel Stănescu.

These late literary writings, gathered in this volume, were occasional, either requests for interviews ("a prudent question is half the wisdom," said F. Bacon), short essays and prosaic tributes, or translations, and verse creations on a specific theme requested by publishers.

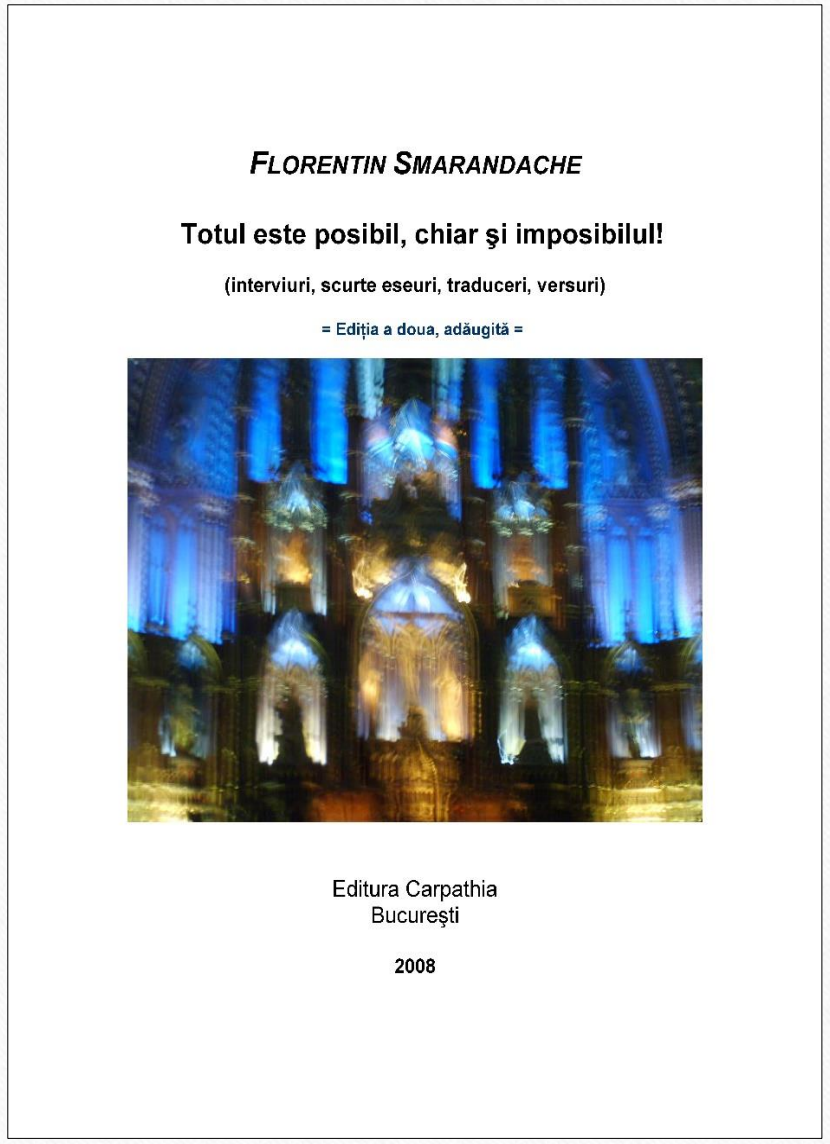
Aceste scrieri literare târzii, adunate în volumul de faţă, au fost ocazionale, fie solicitări de interviuri (“o întrebare prudentă este o jumătate de înţelepciune”, afirmase F. Bacon), de scurte eseuri şi omagieri prozaice, ori de traduceri, precum şi creaţii de versuri pe-o temă anumită cerută de editori.

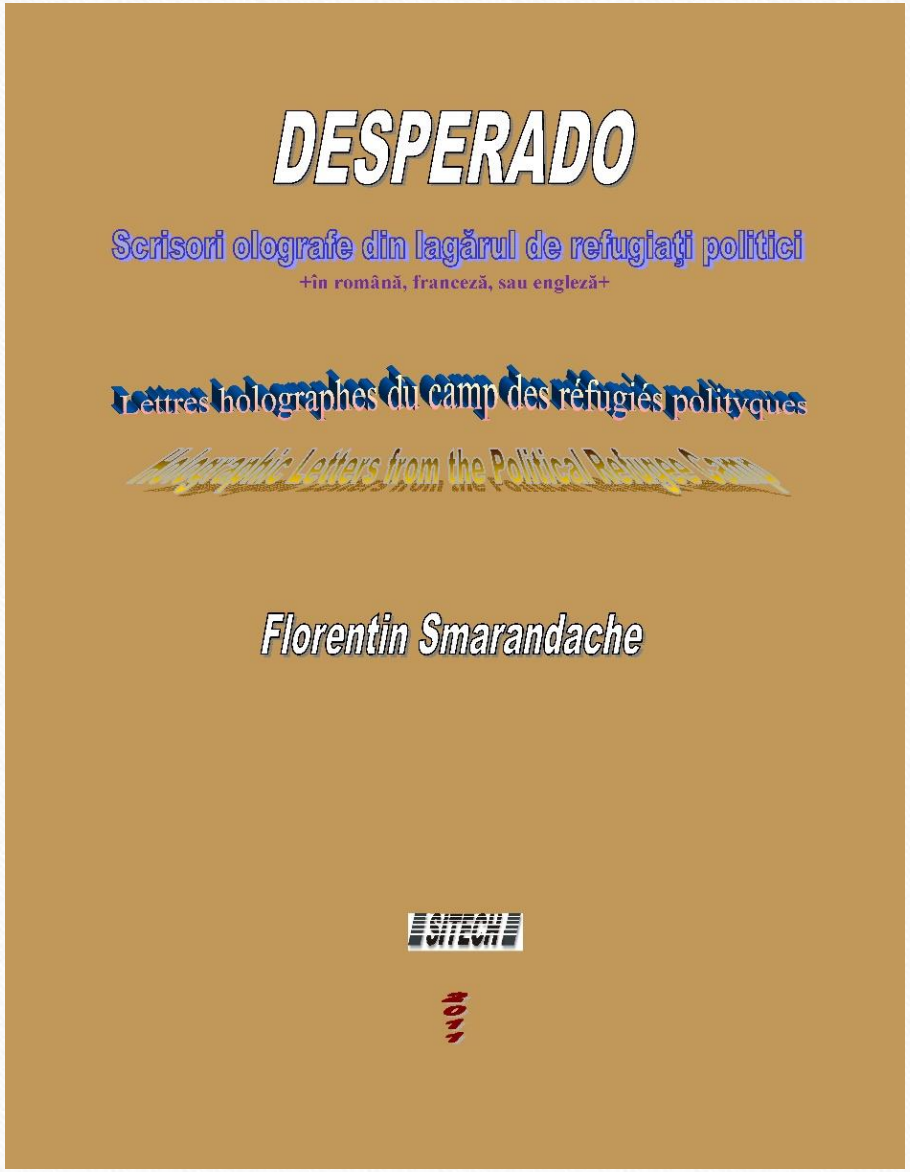
Excerpts:

“În a doua jumătate a vieţii producţia-mi literară s-a redus în cantitate, eu fiind absorbit în (şi sponsorizat pentru) creaţia ştiinţifică aplicată (matematică folosită în inginerie, robotică, medicină, aeronautică, sau încercări sporadice de fizică teoretică).”

Florentin Smarandache

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Florentin Smarandache: **Desperado**. *Scrisori olografe din lagărul de refugiaţi politici*. Editor: Prof. Aurel Popa. Craiova, Romania: Sitech, 2011, 1045 p.

Keywords: Letters, Pierre Seghers, Dumitru Cruceru, Ion Rotaru, Virgil Ierunca, Monica Lovinescu, George Banu, Bell Sands, Ana-Maria Bota, Claude Le Roy, Exile.

"Am așternut pe hârtie suferințele, nemulțumirile, speranțele, precum și dezamăgirile… unui desperado. Acest cuvânt, provenind de la caracterizarea unor fugari hispanici în America de Nord, are semnificaţie negativă. Dar mie îmi place să-l percep în limba română ca „desperatul", datorită omonimiei, deşi în spaniolă desperat se traduce mai exact prin desesperado, în timp ce „desperado" este o prescurtare. Și asta pentru că știu în ce situaţie de disperare eram noi în lagăr: oameni ai nimănui, bătuţi de soartă, consideraţi fiinţe inferioare de „mărimile" timpului... În dicţionarul „Larousse" desperado este interpretat ca „persoană care trăieşte la marginea societăţii şi e gata să se angajeze în acţiuni violente şi disperate" [désespéré în franceză].

Aproape un an și șapte luni am așteptat în lagărele turcești de refugiați politici din Istambul și Ankara (în perioada: 9 septembrie 1988 – 23 martie 1990) pentru a primi viza de emigrare în America. Revoluția românească m-a prins în lagăr! Scriam pe la toate organismele internaționale, pe la cunoscuți și necunoscuți, să m-ajute să emigrez…."

Florentin Smarandache

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http://fs.unm.edu/Desperado.pdf

Florentin Smarandache: **Dragă domnule Rotaru**. *Antiscrisori*. Ediţie îngrijită de Geo Stroe. Bucureşti, Romania: Dacoromână, 2011, 118 p.

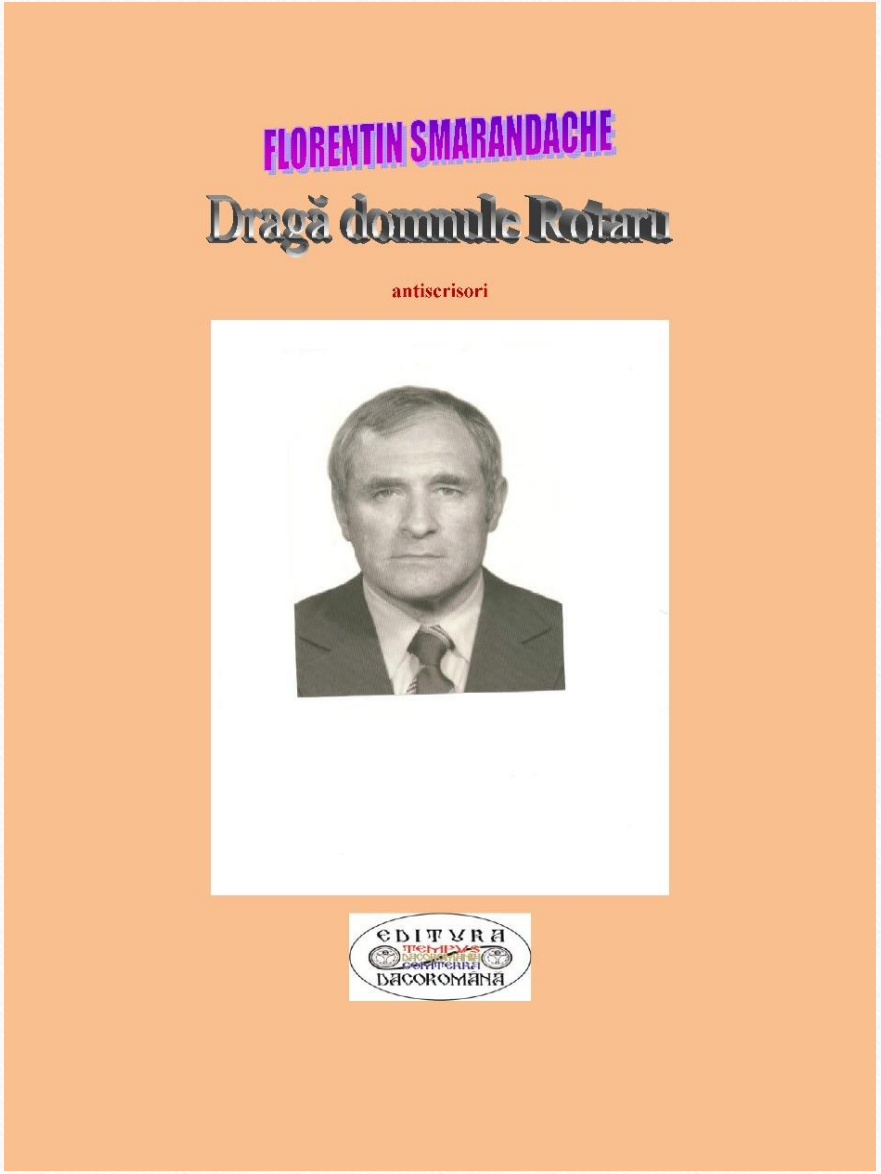
Keywords: University of Bucharest, Paradoxism, NonPoems, Gide, Panait Istrati, Marian Barbu, Mary Ellen Solt, Emmett Williams, Le sens du non-sens, C. M. Popa.

"Since the beginning of 1988 I have had a "fierce" - I would dare to say, experimental, avant-garde correspondence - with prof. univ. dr. Ion Rotaru (b. September 11, 1924, Valea lui Ion, Bacău - d. December 18, 2006, Bucharest), head of the Department of Romanian Language and Literature at the Faculty of Letters, University of Bucharest. Rotaru has proved to be modest, popular, open, and of an encyclopedic culture."

"De la începutul anului 1988 am purtat o corespondenţă "înverşunată" - aş îndrăzni să afirm, experimentală, avangardistă cu prof. univ. dr. Ion Rotaru (n. 11 septembrie 1924, Valea lui Ion, Bacău - d. 18 decembrie 2006, Bucureşti), şeful Catedrei de Limbă şi Literatură Română de la Facultatea de Litere, Universitatea din Bucureşti. Omul Rotaru s-a dovedit modest, popular, deschis, şi de-o cultură enciclopedică."

Florentin Smarandache

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Florentin Smarandache: **Obiectivul “Savu”: dosariada.ro**. Slatina, Romania & Columbus, OH, USA: CuArt & Educational Publisher, 2011, 738 p.

Keywords: Securitate, Comunism, România, Ceaușescu, Informative Investigation, Theodore Andrica, Emil Grosswald, Dan Roman, Constantin Michael-Titus, Marin Sorescu, Laurenţiu Ulici, Mihai Ungheanu, Zoe Dumitrescu-Bușulenga, Adrian Păunescu, Florea Firan, Doru Moţoc, Hristu Cândroveanu, Romulus Vulpescu, Radu Bănică, Mircea Sever Avram, Horia Nestorescu-Bălceşti, Val Panaitescu, Virgil Spînu, Constantin Matei, Ioan Rusu, I.P. Tatomirescu, Mircea Iordache.

The Informative Investigation File of Florentin Smarandache (D. U. I. No. 742), which was given the conspiratorial name "Savu", or "Savu from Craiova", a file prepared by the Romanian Security, consists of 4 volumes, totaling over 1200 pages!

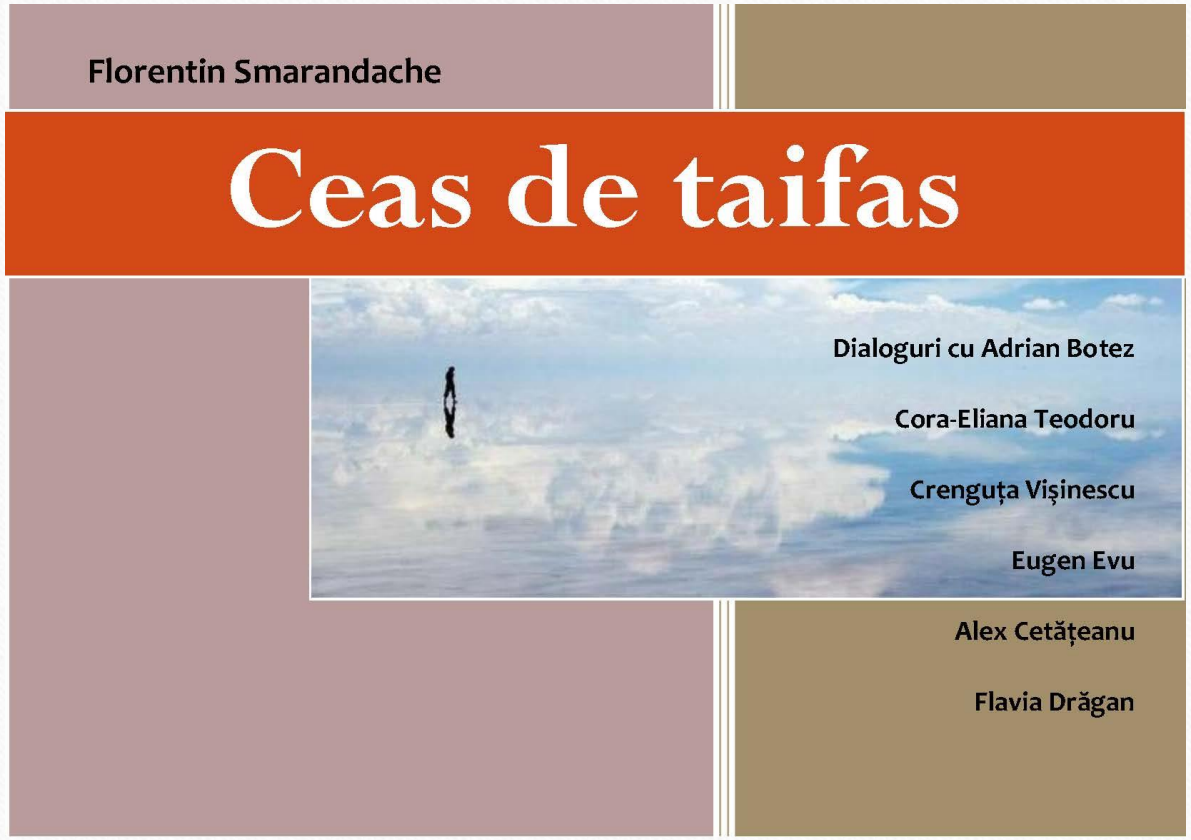
Dosarul de Urmărire Informativă a lui Florentin Smarandache (D. U. I. Nr. 742), căruia i s-a dat numele conspirativ „Savu”, ori „Savu din Craiova”, dosar întocmit de Securitatea Română, este format din 4 volume, care însumează peste 1200 file!

Acestea cuprind: Note sau Rapoarte informative, Note de relaţii, Note extrase, Note explicative, Note de analiză, Note de stadiu, Note de filare şi identificare, Radiograme, Telegrame, Serviciul Contrainformaţii, Situaţii operative, Planuri de măsuri, Date de interes operativ, Cereri de verificari la evidenţa populaţiei, Dispoziţii de verificări, Legăturile obiectivului, Fotografii camuflate, Scrisori trimise sau primite interceptate, Relatări verbale, Manuscrise interceptate, Traduceri din engleză şî franceză de scrisori şi manuscrise interceptate, Diplome şi Acte legalizate interceptate, Telefoane interceptate, Traduceri de telefoane interceptate din franceză în română. Toate purtând menţiunea <Strict secret>.

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Florentin Smarandache: **Ceas de taifas**. *Dialoguri cu Adrian Botez, Cora-Eliana Teodoru, Crenguţa Vişinescu, Eugen Evu, Alex Cetăţeanu, Flavia Drăgan*. Oradea, Romania: AdSumus, 2014, 96 p.

Keywords: Interviews, dialogues, Adrian Botez, Cora-Eliana Teodoru, Crenguţa Vişinescu, Eugen Evu, Alex Cetăţeanu, Flavia Drăgan.



"Florentin Smarandache este o personalitate complexă, român născut în Bălceşti, judeţul Vâlcea şi stabilit în SUA. Un scriitor, un om de ştiinţă, profesor universitar, înţelept şi, nu în ultimul rând, un supravieţuitor." – Cora-Eliana Teodoru

Excerpts:

"… scriu în românește. Îmi este mai simplu, mai repede. Şi Eliade îşi scria literatura în limba noastră. Limbile străine le-am învăţat artificial, nu le simt cu inima. Îmi folosesc mai mult în scrierea articolelor şi cărţilor ştiinţifice, plus pentru conversaţii şi prezentări de lucrări la conferinţele internaţionale.

Eu ţin legătura cu toată lumea (îndeosebi cu scriitori şi cercetători ştiinţifici români), şi am colaborat cu foarte mulţi la articole, cărţi, şi editări de reviste. Mi-a plăcut schimbul de idei, cooperarea/încrucişarea ideilor pentru a da naştere la noi teorii mai complexe. Fiecare vine cu un punct de vedere, şi aşa se observă că lucruri opuse pot fi conectate. Aceste schimburi de idei sunt ca un ping pong pe email: zeci de mesaje zilnic, zeci de fişiere expediate sau primite. Încât uneori mă întreb dacă nu pierd prea mult timp cu această... comunicare!

M-am mutat de la un domeniu de creaţie la altul fiindcă doream diversitate maximă. Experienţa mea e desigur diferită de-a celorlalţi. Fiecare creator are unicitatea sa. "

Florentin Smarandache

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http://fs.unm.edu/CeasDeTaifas.pdf

Florentin Smarandache: **Multirelativitate**. *Dialoguri. Ediția a doua, revăzută și adăugită*. Editor: prof. Liviu Molan. Cluj-Napoca, Romania: Zece, 2016, 148 p.; First edition (Editor: Marinela Preoteasa): Slatina, Romania: CuArt, 2012, 136 p.;

Keywords: Valeria Tănase, Puşa Roth, Eugen Evu, Liliana Hinoveanu, Mihaela Năftănăilă, Puiu Popescu, Corina Negrea, Ion Jianu, Anca Lăpuşneanu, Marinela Preoteasa.

The interviews in this volume intertwine culture, science, technology and life in a multi-self. That is why the volume is called multirelavity: that is, ideas and methodologies viewed from angles as different as possible from official propaganda.

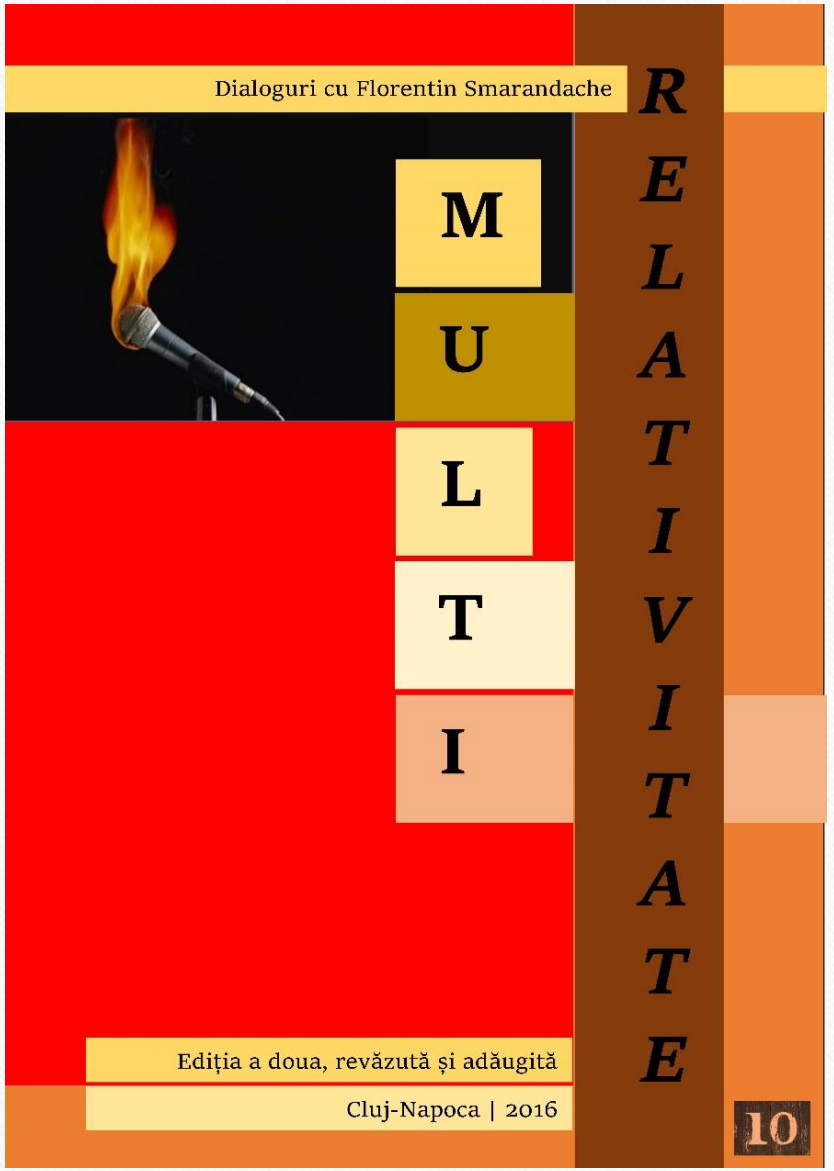
Interviurile din acest volum împletesc cultura, ştiinţa, tehnica şi viaţa într-un multi-eu. De aceea volumul se numeşte multirelavititate: adică idei şi metodologii privite din unghiuri cât mai diferite de propaganda oficială.

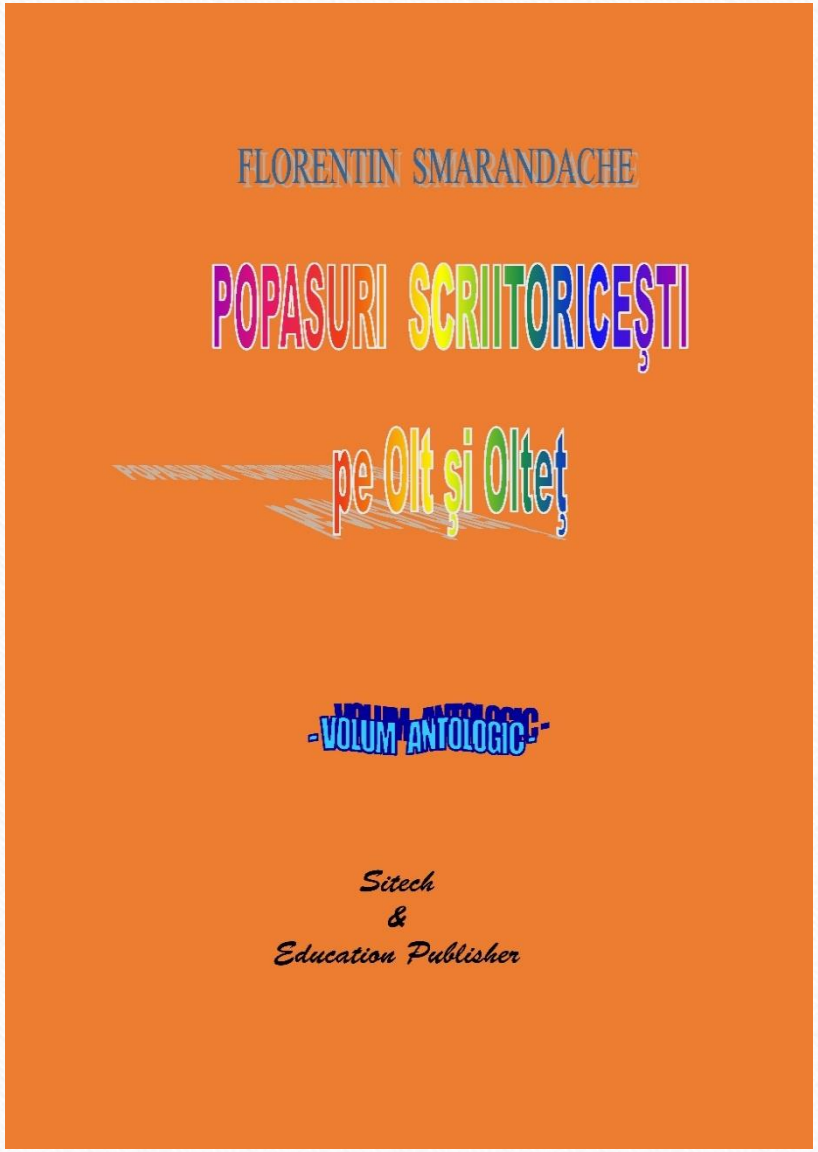
Excerpts:

"Întrebarea ştiinţifică" a contribuit mereu la progres. Epistemologia nu ar putea evolua fără această "îndoială" în cunoaştere. Dreptul investigaţiei în orice câmp de studiu sau creaţie ar trebui să fie suprem. Iar euristica să funcţioneze implacabil. Vrem să distingem între teorii fanteziste şi teorii realiste, între totalitarism politic şi totalitarism ştiinţific, între informaţii părtinitoare susţinute de anumite interese internaţionale şi informaţii imparţiale. Vrem să stabilim raportul dintre abstract şi material, dintre relativ şi absolut, dintre ego şi alter-ego, determinism şi non-determinism, pozitivism şi contra-pozitivism. Interconecţiunile dintre domenii devin greu perceptibile.

Florentin Smarandache

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Florentin Smarandache (ed.): **Popasuri scriitoricești pe Olt și Olteț, I**. *Volum antologic*. Craiova, Romania & Columbus, OH, USA: Sitech & Educational Publisher, 2013, 282 p.

Keywords: Valeriu Anania, Bogdan Amaru, Nicolae Bălașa, Ștefan Dumitrescu, Dumitru Gherghina, Virgil Ierunca, Gib Mihăescu, Alexandru Oprea, Petrache Poenaru, Ioan Șt. Popa, Irineu Popa, Marin Popescu – Diculescu, Elena Adriana Răducan, Dinu Săraru, Beatrice Silvia Sorescu, George Sorescu, Ion Sorescu, Marin Sorescu, George Țărnea, Al. Florin Țene.

Popasuri scriitoriceşti is an anthological series dedicated to writers who were born in the geographical area of Olt, are or have been living in this area or have other connections with the rivers Olt and Olteț, birthplaces of the anthologist.

Popasuri scriitoriceşti este o serie antologică dedicată scriitorilor care s-au născut în spațiul geografic al Oltului, sunt sau au fost trăitori în acest areal ori au alte legături cu râurile Olt și Olteț, plaiuri natale ale antologatorului.

Acest volum antologic urmăreşte evolutiv parcursul scriitorilor, care-şi agaţă ispitele sufleteşti de vaierul vorbelor purtate pe aripi de timp. Dubla determinare, trecut şi viitor, dăruieşte oamenilor şi locurilor înţelepciunea şi diversitatea preocupărilor. Simţul neobosit al detaliului, sublimele gânduri, dinamismul nepotolit al veacului, necum al scriitorilor, împodobesc atmosfera de idei, desprinsă din creaţiile celor prezentaţi în volum, în ordine strict alfabetică.

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Florentin Smarandache (ed.): **Popasuri scriitoricești pe Olt și Olteț, II**. *Volum antologic*. Oradea, Romania: Primus, 2016, 286 p.

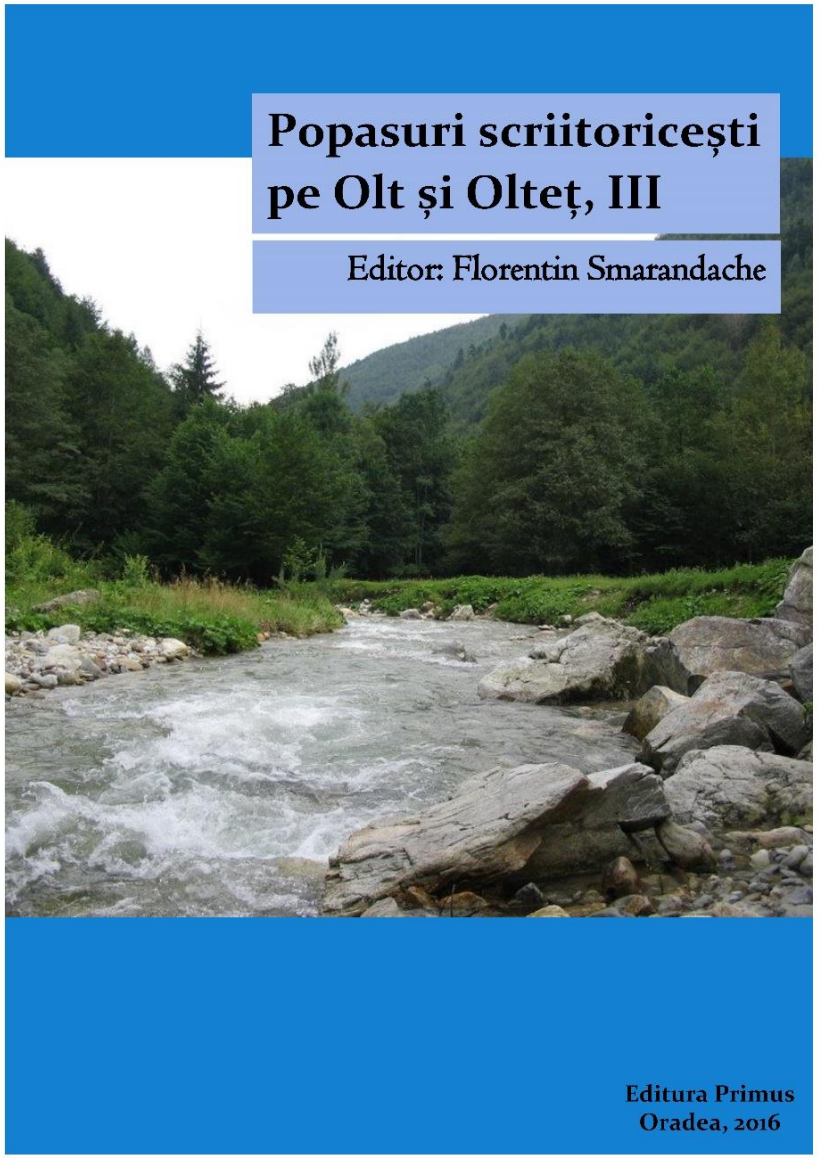
Keywords: Barbu Paris Mumuleanu, Haralamb Lecca, Dumitru Caracostea, Ion Minulescu, Alexandru Busuioceanu, Mihail Drumeș, Pan M. Vizirescu, Dragoș Vrânceanu, Ion Marin Iovescu, Ștefan Roman, Vasile Andronache, Ion M. Saimac, Petru Pistol, Daniela Adina Dumitrescu, Marian Malciu, Dumitru Velea, Gheorghe Stancu.

Popasuri scriitoriceşti is an anthological series dedicated to writers who were born in the geographical area of Olt, are or have been living in this area or have other connections with the rivers Olt and Olteț, birthplaces of the anthologist. This third book dedicated to Oltenian writers comes after a first volume of almost 300 pages, with over 20 anthologized and biographed authors, plus brief notes about a series of other writers, published in 2013, and a second volume that includes biographies and illustrative texts by 50 writers. The ordering criteria of the writers in this volume is the chronological one (date of birth).

Popasuri scriitoriceşti este o serie antologică dedicată scriitorilor care s-au născut în spațiul geografic al Oltului, sunt sau au fost trăitori în acest areal ori au alte legături cu râurile Olt și Olteț, plaiuri natale ale antologatorului. Această a treia carte dedicată scriitorilor olteni vine după un prim volum de aproape 300 de pagini, cu peste 20 de autori antologați și biografiați, plus notițe succinte despre o serie de alți scriitori, apărut în 2013, și un al doilea volum care cuprinde biografii și texte ilustrative din 50 de scriitori. Criteriul de ordonare al scriitorilor în acest volum este cel cronologic (data de naștere).

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Florentin Smarandache (ed.): **Popasuri scriitoricești pe Olt și Olteț, III**. *Volum antologic*. Oradea, Romania: Primus, 2016, 324 p.

Keywords: Ion Codru-Drăgușanu, Alexandru Macedonski, Damian Stănoiu, Petre Pandrea, Eugen Ionescu, Alice Botez, Nicolae Teică, Nicolae Paul Mihail, Costea Marinoiu, Dinu Săraru, Doru Moţoc, Virgil Mazilescu, Ion Cârstoiu, Dumitru Mesia-Onescu, Nicolae Vlăduț, Marin Mincu, Gheorghe Sporiș, Ion Micuț.

Popasuri scriitoriceşti is an anthological series dedicated to writers who were born in the geographical area of Olt, are or have been living in this area or have other connections with the rivers Olt and Olteț, birthplaces of the anthologist. This third book dedicated to Oltenian writers comes after a first volume of almost 300 pages, with over 20 anthologized and biographed authors, plus brief notes about a series of other writers, published in 2013, and a second volume that includes biographies and illustrative texts by 50 writers.

Popasuri scriitoriceşti este o serie antologică dedicată scriitorilor care s-au născut în spațiul geografic al Oltului, sunt sau au fost trăitori în acest areal ori au alte legături cu râurile Olt și Olteț, plaiuri natale ale antologatorului. Această a treia carte dedicată scriitorilor olteni vine după un prim volum de aproape 300 de pagini, cu peste 20 de autori antologați și biografiați, plus notițe succinte despre o serie de alți scriitori, apărut în 2013, și un al doilea volum care cuprinde biografii și texte ilustrative din 50 de scriitori.

Excerpts:

"E un mai vechi gând al meu - de a reuni într-o carte scriitori din aceeaşi arie geografică (spaţiul însemnând, poate, un nucleu de inspiraţie) -, gând devenit proiect de suflet, urmărind parcursul unor oameni conspațiali mie (chiar dacă nu toți și contemporani!), care-şi agăţară sau îți agaţă ispitele sufleteşti de vaierul vorbelor purtate pe aripi de timp."

Florentin Smarandache

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http://fs.unm.edu/PopasuriScriitoricesti3.pdf

Florentin Smarandache: **Mnemografii**. Oradea, Romania: Duran's, 2013, 78 p.

Keywords: Bălceşti, Ceauşescu, Marin Popescu-Diculescu, Mihai Prepeliţă, Ştefan Vlăduţescu, Olga Popescu, Extenics, China, Globmodernism.

"Chiar dacă Dvs. nu m-aţi iubit, eu v-am iubit. M-aţi îndepărtat prin toate mijloacele. Mi-aţi refuzat toate articolele sub diverse pretexte. Vă mulţumesc că nu m-aţi ajutat niciodată, în felul acesta mi-aţi întărit convingerea de a emigra.

Datorită refuzului Dvs. de a mă băga în seamă, datorită dispreţului şi indiferenţei Dvs. am ajuns astăzi să am o poziţie bună în Statele Unite.

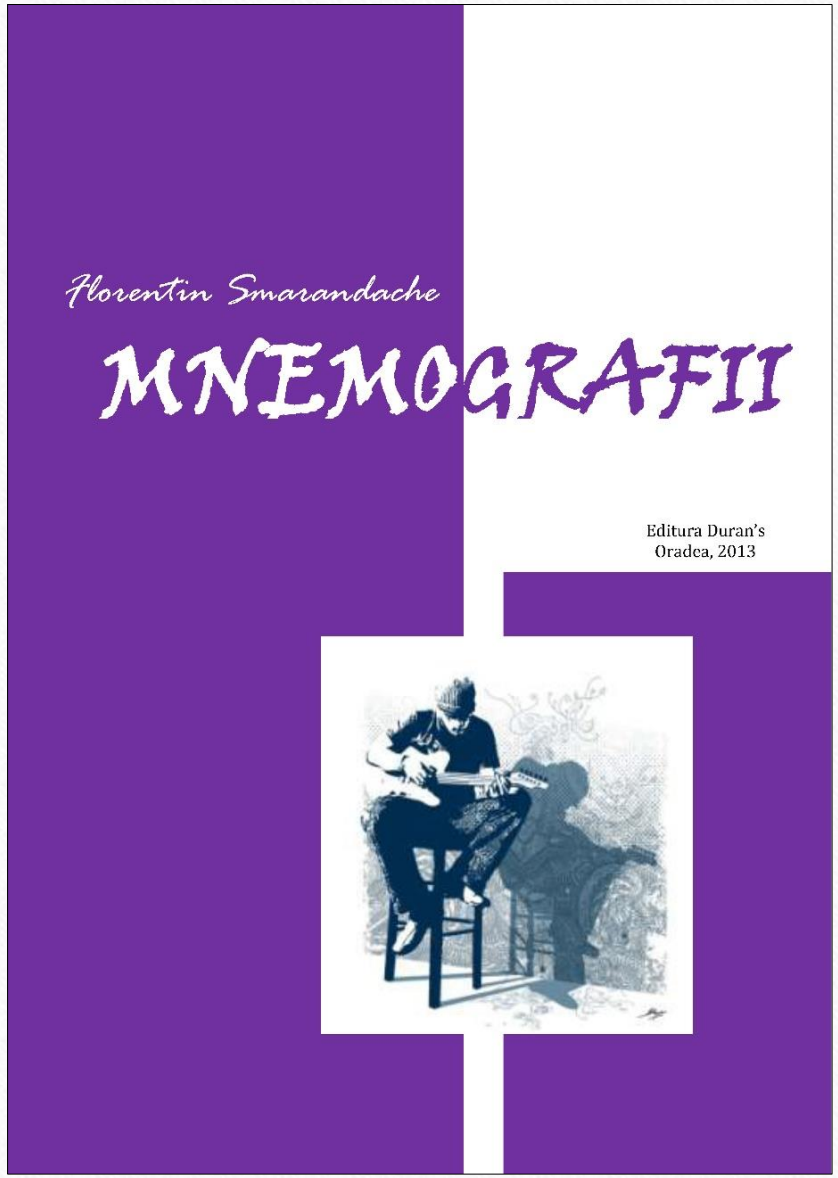
Datorită interdicţiei Dvs. de a publica în România, public astăzi prin toată lumea. Vrând să-mi faceţi rău, mi-aţi făcut un mare bine. Datorită Dvs. şi multor altora am luat calea exilului.

Vă mulţumesc că m-aţi dispreţuit, umilit, că m-aţi împins spre emigrare unde nu mai sunt dispreţuit, nu mai sunt umilit, mi se respectă creaţiile şi persoana.

Şi pentru toate acestea, mă simt mai patriot ca niciodată."

Florentin Smarandache

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http://fs.unm.edu/Mnemografii.pdf



Florentin Smarandache: **sin(a)cronice**. Gallup – Bruxelles – Oradea: EuropaNova, 2014, 147 p.



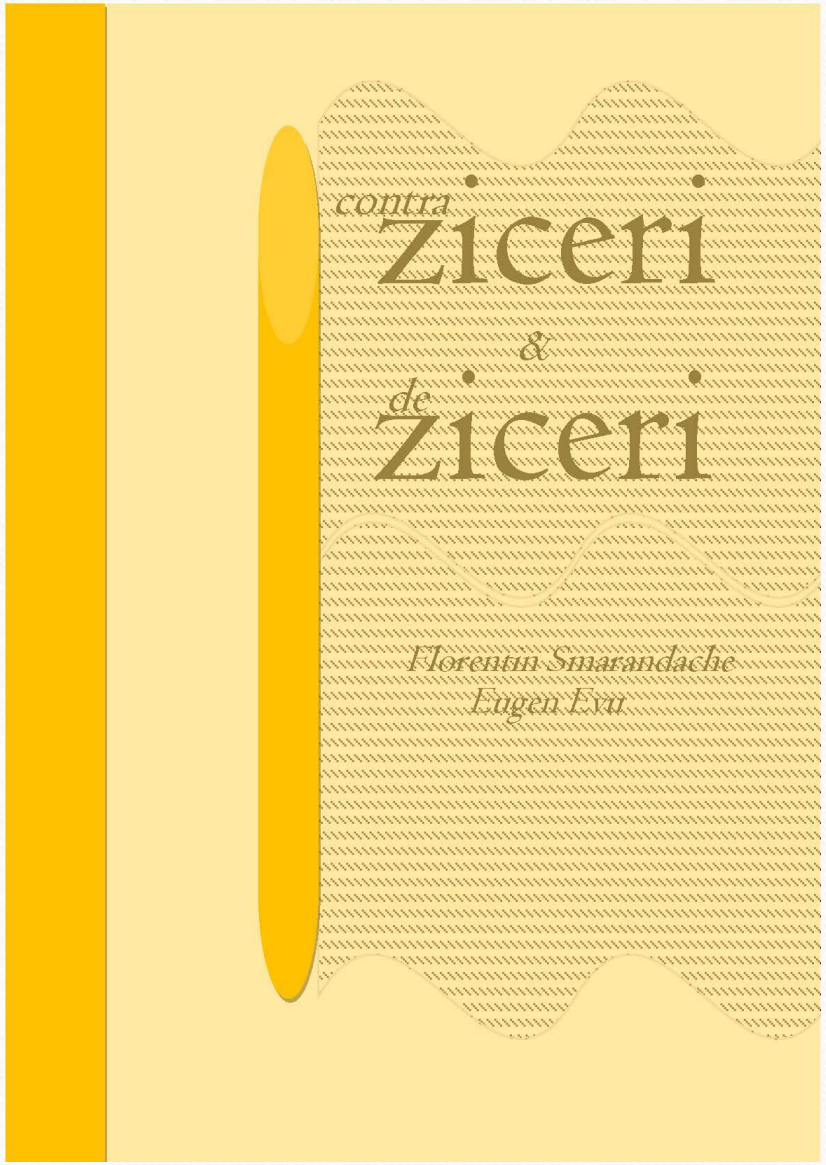
Keywords: Marian Barbu, Adrian Botez, Emenia Cera, Doina Drăguţ, Ştefan Dumitrescu, Dimitrie Grama, Tudor Iosifaru, Adrian Lesenciuc, Mircea Monu, Bogdan Suceavă, Alex. Ştefănescu.

"Treptat, din cauza vieţii zbuciumate, a întorsăturilor vremii, a nesiguranţei permanente în care trăiam… eu mă retrăgeam din literatură către matematica aplicată… Nu aveam încotro. Supravieţuirea fizică mai ales, dar şi psihică, îmi impuneau aplecarea către ştiinţă…

Cu timpul mă depărtam, aşadar, de creaţia literară… sau, mai degrabă, combinam literarul cu ştiinţificul prin jurnalele-mi ce relatau conferinţele internaţionale unde prezentam diverse lucrări sau tutoriale. Detaliam, nu doar ideile de cercetări ale conferinţelor şi seminariilor ştiinţifice respective, dar şi galeriile de artă, muzeele istorice, parcurile, şi catedralele ce le vizitam în aceste peripluri. Un turism ştiinţific şi cultural practicam de peste un deceniu."

Florentin Smarandache

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Florentin Smarandache, Eugen Evu: **Contraziceri şi deziceri**. *Meridian româno-român peste ocean. Ediţia a doua, revăzută şi adăugită*. Oradea, Romania & Brussels, Belgium: Ferestre & Pons, 2015, 154 p.

Keywords: Contraziceri, preziceri, antiziceri, extraziceri, preziceri, metafore, antimetafore.

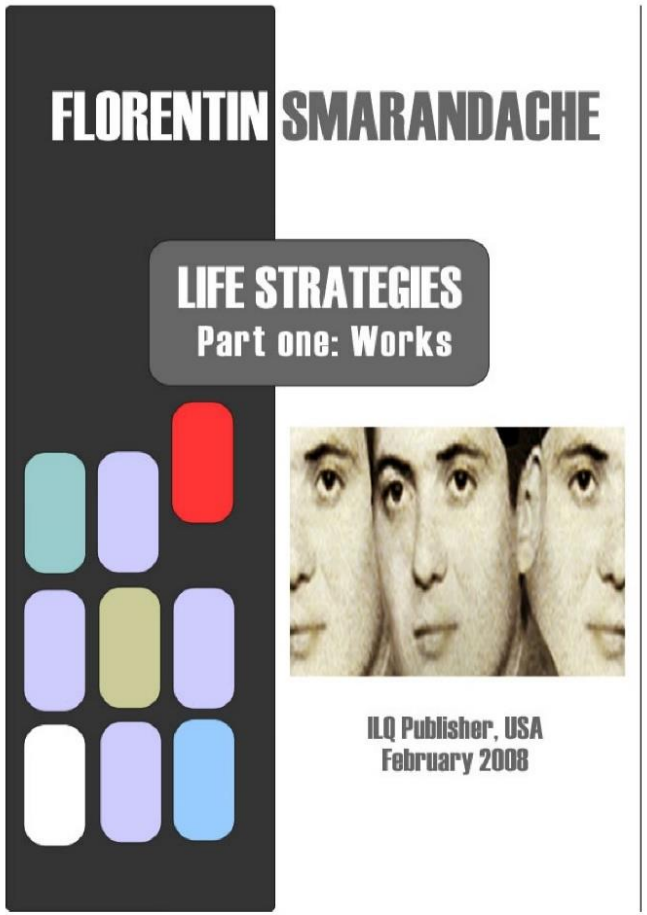
This book is meant to be a volume of cross-texts, like the twists and turns of the roads. Ideas in the making, metaphors upside down, thousands of crossed devils! Sayings and nonsense, contradictions, predictions, anti-sayings, extra- sayings, predictions, metaphors and anti-metaphors, diary pages, diversions of meanings, observations, assertions, slanderous words, mockery, collections of folklore, monologues and anti-monologues…

Această carte se vrea a fi un volum de texte încrucişate, ca meandrele şoselelor. Idei în răspăr, metafore pe dos, mii de draci încrucişati! Ziceri și neziceri, contraziceri, preziceri, antiziceri, extraziceri, ba chiar preziceri, metafore și antimetafore, pagini de jurnal, deturnări de sensuri, observaţii, aserţiuni, vorbe şoade, mahalagisme, culegeri din folclor, monologuri şi antimonologuri…

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http://fs.unm.edu/ContraziceriSiDeziceri-ed2.pdf

Florentin Smarandache: **Life Strategies**. *Part One: Works. Draft. Edited by V. Christianto.* Ann Arbor, MI, USA: InfoLearnQuest, 2008, 68 p.

Keywords: Best Tips, General Science, Mathematics, Medical Science, Workplace, Social Life, Personal Life, General Arts, American writing, International Phonetic Alphabet.



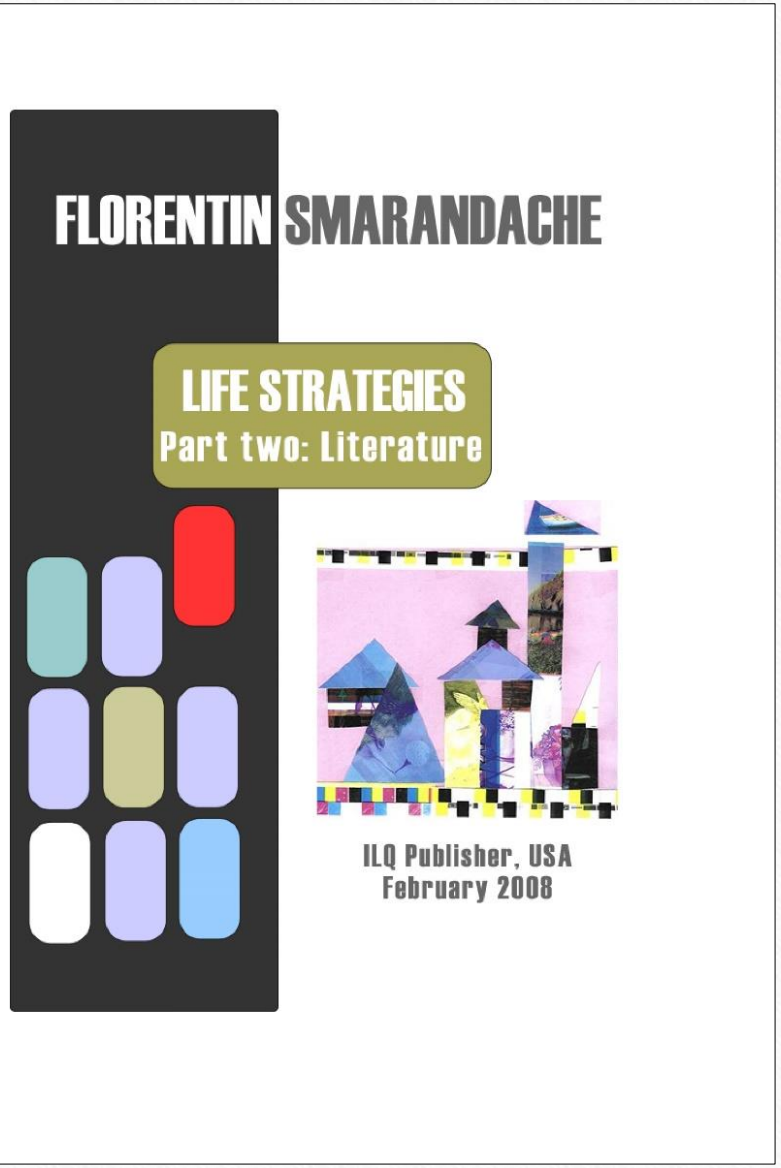
This collection was written more than three decades ago, but has never been published in printed form. These ideas were either collected or inspired from author's various lectures of books, journals, newspapers, tv and radio shows, personal conversations.

Excerpts:

"I started to write down such ideas since I was a high school student and continue even today - I always bear with me a small pen and small notebook where I write in the plane, or driving my car, or even in class room. Despite three decades of postponement, I hope this booklet will keep on inspiring the reader, as good ideas will always be worth to ponder."

Florentin Smarandache

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http://fs.unm.edu/LifeStrategies1.pdf



Florentin Smarandache: **Life Strategies**. *Part Two: Literature. Draft. Edited by V. Christianto.* Ann Arbor, MI, USA: InfoLearnQuest, 2008, 163 p.

Keywords: Literature, Internet literature, Experimental Literature, Junk Book, A-Poems, A-Literature, Encyclopoetry, Semagraphy, Literary Paradoxist Movement, Tri-Dimensional Poetry, Underground Writing.

"Think like a man of action, act like a man of thought," says H. Louis Bergson. This small book collects some ideas, hints and methods in various aspects of art and literature. Here one can find novel ideas for experimental literature, new genre of poems and countless other things about nothing. This book is rather a draft, or fragments of a draft. If for nothing else, the (random) sentences listed here at least can stimulate further thoughts and ideas – for instance, young writers and artists may find plenty of interesting ideas for their next literary work (or best-selling novels) in 'Experimental Literature' section. In a sense, this book itself is an experimental one. Needless to say, the readers may find that some of these ideas are quite absurd or seemingly outlandish, just like an absurd idea in Umberto's Foucault Pendulum, where the personages discuss possibility to teach inappropriate courses such as 'City planning for Gypsies' etc. These ideas were either collected or inspired from author's various lectures of books, journals, newspapers, TV and radio shows, personal conversations.

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http://fs.unm.edu/LifeStrategies2.pdf

Florentin Smarandache: **Life Strategies**. *Part Three: Theatrical Strategies. Draft. Edited by V. Christianto.* Ann Arbor, MI, USA: InfoLearnQuest, 2008, 103 p.

Keywords: Literary Strategies, Theatrical Strategies, Experimental Literature, Non Roman, Total Roman, Total Anti-Roman.

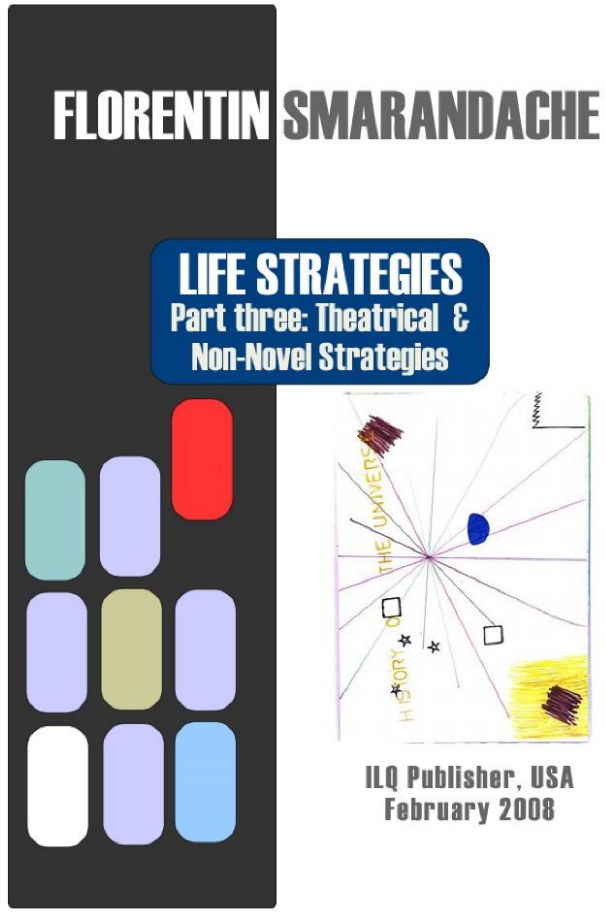
"The world is a stage," says Shakespeare. Perhaps this phrase carries more meaning than a mere metaphor, because --as we know well-- we have to perform some 'roles' in each particular sphere of life. Then it is true that new ideas are always in demand in order to refresh our thinking on these 'roles'. This small book, which is rather a draft, comprises a collection of ideas, viewpoints and methods in various aspects of theater, performance arts, non-novel etc. If for no other reason, the ideas listed here at least can stimulate further thoughts and research – for instance, young writers may use these ideas to make his/her drama or novel more enthralling.

Excerpts:

"I started to write down such ideas since I was a high school student and continue even today - I always bear with me a small pen and small notebook where I write in the plane, or driving my car, or even in classroom, anywhere an idea pops up to my mind. However, I hope that despite over 3 decades of postponement, this small booklet will keep on inspiring the reader, as good ideas will always be worth to ponder. Some of the sentences (proverbial lines) here are specific to Romanian writers and poets, others reflect author's personal opinion. But the remaining parts are generally quite accessible to most readers."

Florentin Smarandache

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http://fs.unm.edu/LifeStrategies3.pdf





Florentin Smarandache (ed.): **Helluo Librorum**. *Fișe de lecturi*. Slatina, Romania: CuArt, 2010, 1855 p.

Keywords: Geo Dumitrescu, Mircea Monu, Lucian Hetco, Marian Popa, Ion Rotaru, Marin Sorescu, Cezar Ivănescu, Gheorghe Tomozei, Dan Tărchilă, George Sorescu, Ion Sorescu, Eugen Simion, Grigore Vieru, Alexandru Bantoș, Ion Vartic, Mihai Prepeliță, Silviu Fusu, Mihai Fusu, Anatol Ciocanu, Mihai Cimpoi, Leonida Lari, Eugène Ionesco, Radu Enescu, Andrei Șerban, Traian Ștefan Roman, Ioan Baba, Vasile Barbu, George Băjenaru, Vasile Gurău, Alexandru Nemoianu, Silvia Cinca, Leopold Sedar Senghor, Tzvetan Todorov, John Cage, Maurice Lemaître, Gerald England, Amerigo Iannacone, Chantal Signoret, Victor Christainto, Fu Yuhua, Angie Yuhua, Albena Tchamova, Salah Osman.

This volume includes quotes from about 1,000 authors, in Romanian, with small exceptions in French or English, and spans over 1800 pages.

Volumul cuprinde citate din circa 1,000 de autori, în limba română, cu mici excepții în franceză sau engleză, și se întinde în peste 1800 pagini.

Excerpts:

"O parte din lecturile începătoare de-acum 35-45 de ani, din vremea preadolescenței, adolescenței, și-a tinereții, dar și unele mai recente (după cum am reușit să recuperez însemnările acestea; unele pierdute, mucegăite, prăfuite în podul casei, ori roase de șoareci – nu s-au păstrat din păcate nici jumătate, atâtea am mai găsit când m-am întors din America în 1992 pentru prima dată după patru ani de auto-exilare), le-am inclus în acest tom de compilații. Spicuiri din ziare, reviste, broșuri, cărți – tot ce-mi cădea-n mână. Și astăzi obișnuiesc să citesc cu pixul în mână, notându-mi metafore care-mi plac din poezii, ori idei, aforisme și fraze scurte din proze, eseuri, teatru. Culegeam și expresii auzite din folclor. Pe cărțile științifice subliniez, și-mi notez pe margine vreo posibilă generalizare a unor noțiuni ori teoreme întâlnite, care ulterior mă vor ghida spre scrierea unui articol sau a unei cărți."

Florentin Smarandache

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Florentin Smarandache: **My High School Math Notebook**. *First Volume: Arithmetic, Plane Geometry, and Space Geometry.* Columbus, OH, USA: Educational Publishing, 2014, 120 p.

Keywords: Arithmetics, Plane Geometry, Space Geometry, High School, Mathematics.

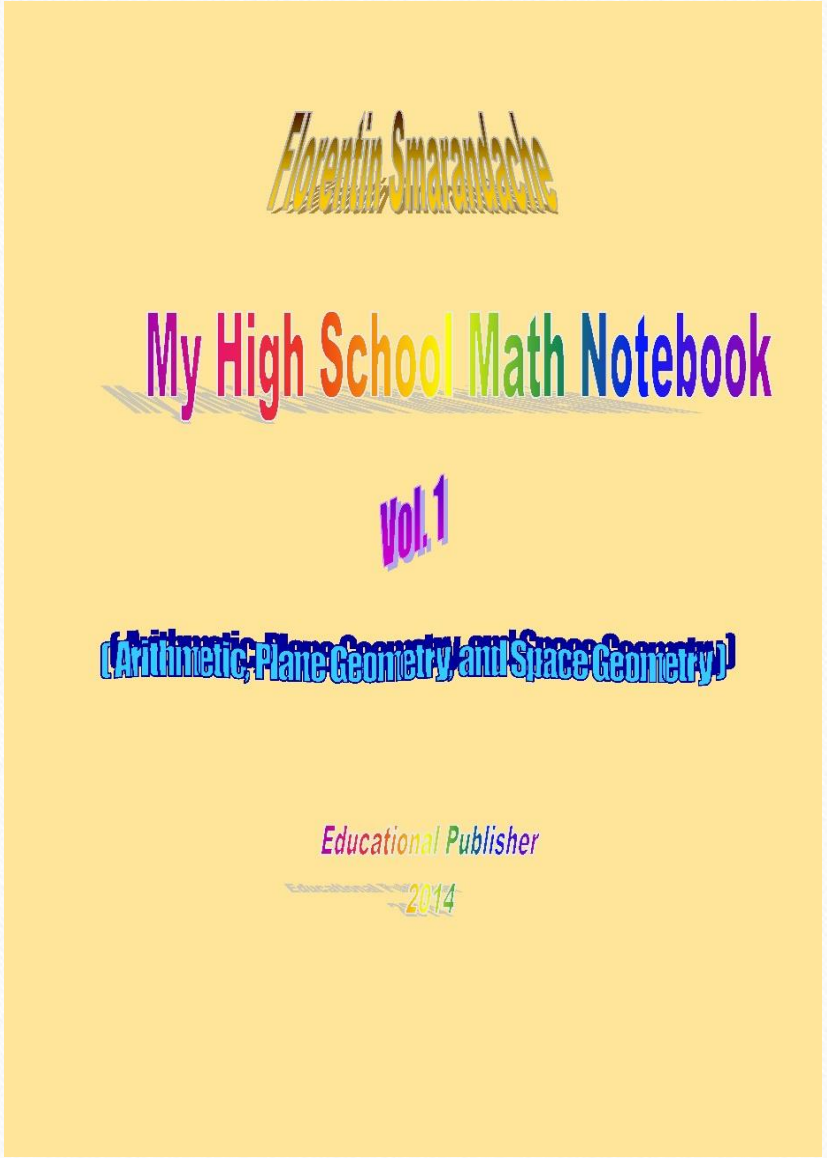
This volume reflects Smarandache's 1973-1974 high school studies in mathematics. Besides the textbooks, the author added information collected from various mathematical books of solved problems. In Romania in the 1970s and 1980s the university admission exams were very challenging. Only the best students were admitted to superior studies. For science and technical universities, in average, one out of three candidates could succeed, since the number of placeswas limited. For medicine it was the worst: only one out of ten.

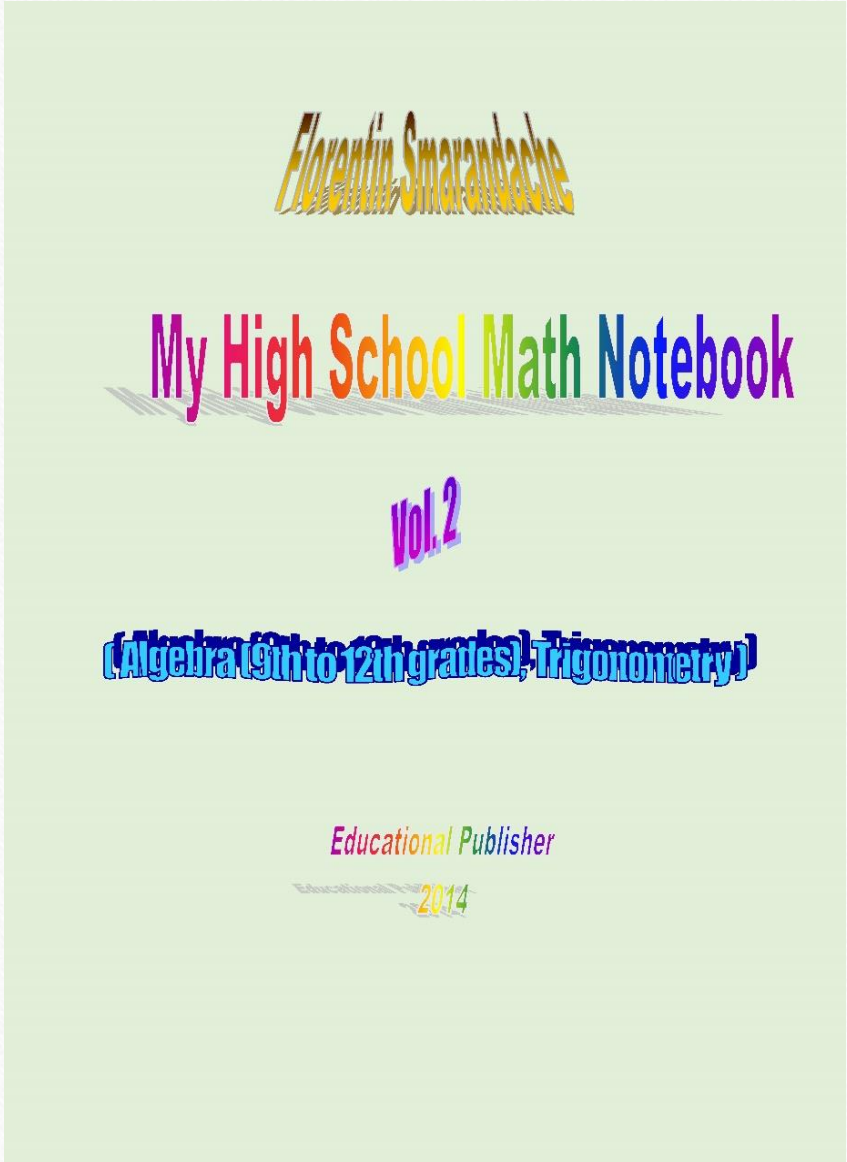
Excerpts:

"Since childhood I got accustomed to study with a pen in my hand. I extracted theorems and formulas, together with the definitions, from my text books. It was easier, later, for me, to prepare for the tests, especially for the final exams at the end of the semester. I kept (and still do today) small notebooks where I collected not only mathematical but any idea I read in various domains."

Florentin Smarandache

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Florentin Smarandache: **My High School Math Notebook**. *Second Volume: Algebra (9th to 12th grades), and Trigonometry.* Columbus, OH, USA: Educational Publishing, 2014, 111 p.

Keywords: Algebra, Trigonometry, High School, Mathematics, Addition, Multiplication, Algebraic Computation, Monomial, Roots, Irrational Equations, Sets, Complex Numbers, Quartic Equation.

This volume reflects Smarandache's 1973-1974 high school studies in mathematics. Besides the textbooks, the author added information collected from various mathematical books of solved problems. In Romania in the 1970s and 1980s the university admission exams were very challenging. Only the best students were admitted to superior studies. For science and technical universities, in average, one out of three candidates could succeed, since the number of placeswas limited. For medicine it was the worst: only one out of ten.

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"Since childhood I got accustomed to study with a pen in my hand. I extracted theorems and formulas, together with the definitions, from my text books. It was easier, later, for me, to prepare for the tests, especially for the final exams at the end of the semester. I kept (and still do today) small notebooks where I collected not only mathematical but any idea I read in various domains."

Florentin Smarandache

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Florentin Smarandache: **Cititorind. Balmeş. α-Lecturi instante**. Oradea, Romania: AdSumus, 2015, 80 p.

Keywords: Happy Brain, Depression, Antidepressant, Side Effects, Relaxation Techniques, Insomnia, Dark Strategies.

Un jurnal de lecturi instante, intenţional expeditive, marca Florentin Smarandache: acelaşi mozaic de notiţe la prima mână, fără adnotări, fără intervenţii personale sau personalizate, fără judecăţi de valoare asupra lecturilor, fără trimiteri sau analogii savante sau savantlâceşti.

La foc de mitralieră, Florentin Smarandache conspectează un braţ de cărţi şi o căciulă de website-uri de conţinut variat şi, cum altfel?!, paradoxal/paradoxist. Cărţi de specialitate se aşează lângă website-uri de popularizare, publicaţii academice lângă publicaţii controversate ca valoare ştiinţifică, website-uri vulgarizatoare lângă website-uri ale unor instituţii respectate.

La fel, în conţinut: cercetări aplicate, cu metode ştiinţifice consacrate, sunt „împrietenite" cu teorii conspiraţioniste şi strategii de dezvoltare personală. Acest (talmeş-)Balmeş nu poate fi întâmplător (nici la nivel de limbă; Florentin Smarandache ne plimbă babilonian prin engleză, franceză, română). Ba dimpotrivă, este un portret (pictat pe dedesupt) al lumii în care trăim sau, iar dacă nu un portret, atunci un peisaj al acesteia. Cu splendorile, înţelepciunea, căderile şi decăderile ei.

O lume care îşi refuză tot mai mult discernământul sustenabil, care menţine falii de gândire aparent insurmontabile între părţile-i componente, contorsionând tot mai profund fiindurile.

Ştefan Iancu

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Florentin Smarandache: **Cititorind. Hic et nunc. α-Lecturi instante.** Oradea, Romania: AdSumus, 2015, 80 p.

Keywords: Information, Memetics, Mass-Media, Parapsychological Warfare, Psychotronic Espionage, Self-Control, Silva Method, Risk Analysis, Financial Freedom.

Lecturile ecletice propuse în acest jurnal de lecturi vorbesc, inevitabil, şi despre realizatorul selecţiei, profesorul Florentin Smarandache. Într-o lume academică în care libertatea de expresie are încă suficiente îngrădiri, într-o lume academică încă marcată de un discurs ex cathedra, care persiflează lecturi non-academice sau viziunile alternative, profesorul pare a zeflemisi (şi nu ar fi prima dată): nihil novi nisi commune consensu, unde consensul este deţinut (carevasăzică, prizonier) al unei clici auto-elitarde.

De altfel, intenţia este pusă în relief de motto-ul plachetei. Voi relua concluzia lui Robert Heinlein, căruia îi este împrumutată doar exprimarea, căci gândul fermentează de la Terentius (*Homo sum, nihil humani a me alienum puto*) - dar e tot mai grav în vremurile noastre de specializare absolută: Specialization is for insects.

De aceea, să cititorim, ne îndeamnă Florentin Smarandache. Prin a cititori, creat, evident, prin contaminare cu a ctitori, profesorul de la Gallup ne re-afirmă, într-o lume a vizualului: cuvântul scris ctitoreşte. Citind mereu, deci cititorind, ctitorim. Ne ctitorim, ca fiinţe umane.

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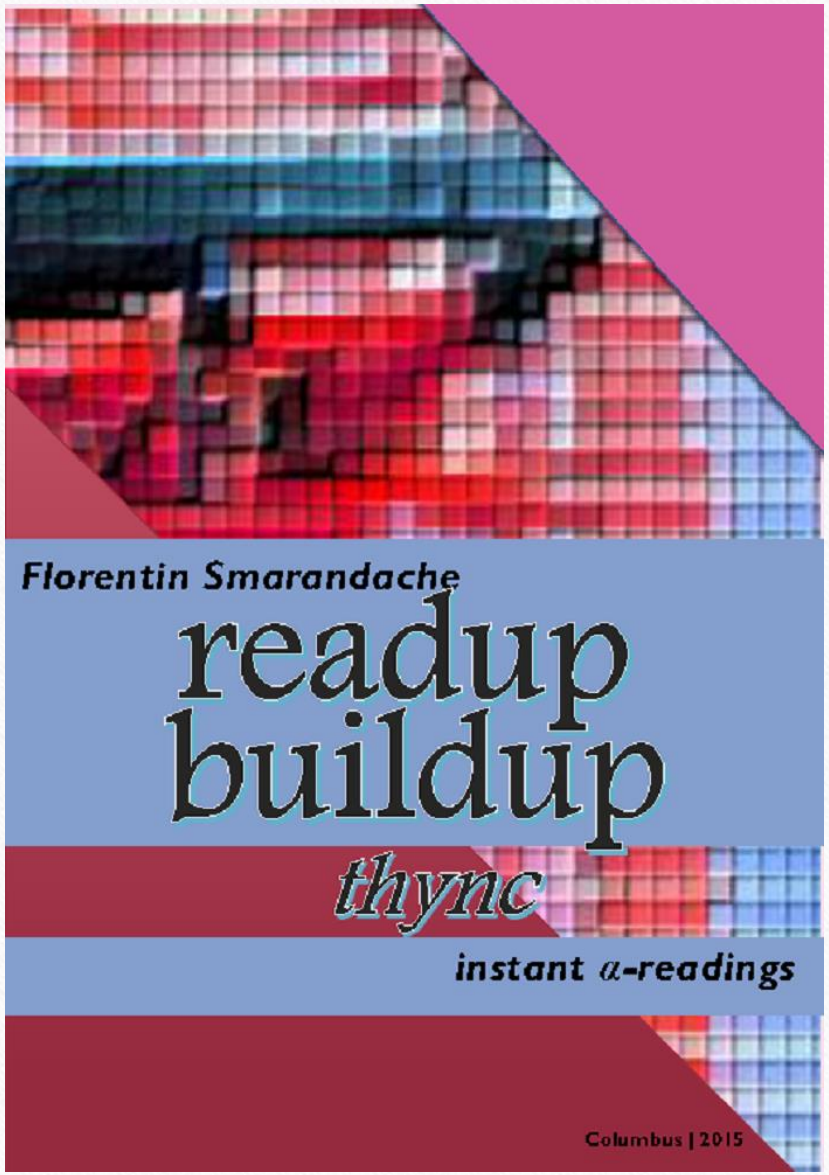
Florentin Smarandache: **Readup Buildup. Thync. Instant α-readings**. Columbus, OH, USA: AdSumus, 2015, 60 p.

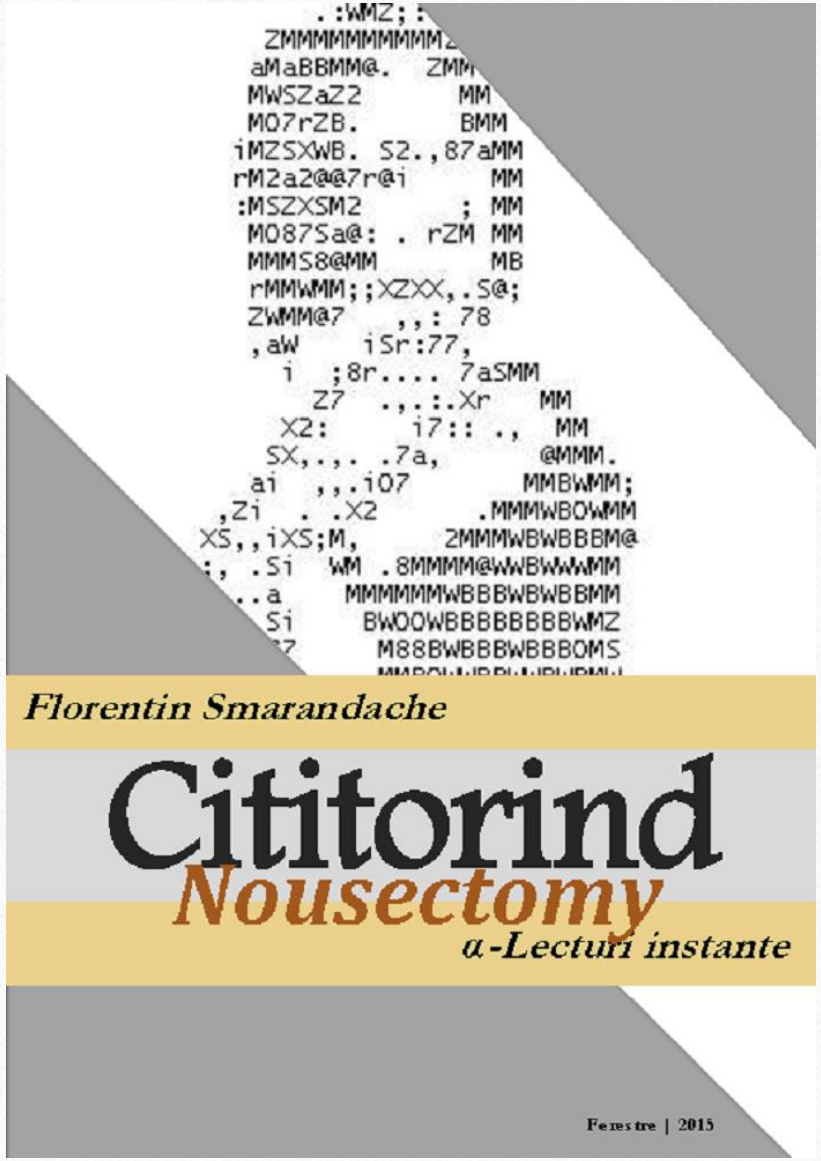
Keywords: Data Mining, Information Fusion, Sync, Multi-Sensor Data Fusion, Data Association, Soft Fusion, Social Anthropology, Social Intelligence, Intercultural Communication, Decision Making, Bioinformatics, Rough Set.

Thync is the third volume of α-instant readings put up by Florentin Smarandache. Although the style of the reading logs is uniform in the three volumes so far (rough and ready, kernel-extracting, absence of any secondary remarks, and thus masking the author-summarizator), this one address only technical issues from two topics of interest for the author (information fusion / data mining), unlike in previous eclectic books. Notes are taken directly from the source language (one language in this log, more languages before), and there are not abrupt transitions anymore in the selection of information. All works annotated here are from authoritative scientific sources, no more popularizers or debasers.

The title of the volume is an aftereffect of juxtaposition of the verb think, and the noun syncronization, resulting in an incentive - unveiled from the first chapter of readings: Think in sync! Far from being just a call to thinking synchronously, the notes speak about communication as activity-together, where the interlocutors share information. Very likely, it resides right here the drive for publication of the instant readings series: to share. Besides, of course, multiple other layers of connotation (demonstrative or paideumatic), the reading series resemble an allegorical car, a carriage packed with books and bookmarks, which the author-summarizator shook of ideas. For personal use, but as well for a possible satisfaction of a possible spectator, necessarily perceived as a passer in a hurry, with no aptitude to dawdling around.

Download from The Science Library at University of New Mexico – Gallup:
http://fs.unm.edu/ReadupBuildup.pdf





Florentin Smarandache: **Cititorind. Nousectomy. α-Lecturi instante**. Oradea, Romania: Ferestre, 2015, 64 p.

Keywords: Instant Readings, Lecturi instante, Vladimir Nabokov, Petre Ţuţea, Amiri Baraka, Eugen Evu, Marin Sorescu, Florin Vasiliu, Peter Cârdu, Adolf Shvedchikov, Venkateswara Rao.

This reading diary includes old and new notes, in Romanian and English. The first part anthologizes ideas of four authors, chronologically ordered. There are their direct thoughts, instantly reprinted, without subjective additions. The second part contains indirect notations on some journalistic texts, or minor comments about several authors. The third part displays re-readings from few of my own writings (Self-Notes). Nousectomy (”thought excision”) comes from Gr. Νους, "understanding", "mind", "thought", "reason" and Gr. εκτομια, "excision”, “a cutting out of”.

Acest jurnal de lecturi cuprinde notițe mai vechi și mai noi, în română și în engleză. Prima parte antologhează idei din patru autori, ordonați cronologic. Sunt gândurile directe ale acestora, transcrise instant, fără adaosuri subiective. Partea a doua conține notații indirecte pe marginea unor texte publicistice (unele din anii 80 ai secolului trecut, altele transgresând timpurile în căutarea de paradoxuri), sau mărunte comentarii despre câțiva autori. Partea a treia sunt re-citiri din scrieri proprii, auto-note. Nousectomie (”excizia unui gând”) este un cuvânt compus din Gr. Νους, "înţelegere", "minte", "gând", "raţiune" şi Gr. εκτομια, "excizie”, “tăiere”.

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Florentin Smarandache: **Cititorind. Poezie română. Însemnări într-un caiet literar din 1979. α-Lecturi instante.** Suceava, Romania: Mingir, 2016, 54 p.

Keywords: Instant Readings, Lecturi instante, Ion Barbu, Nichita Stănescu, Marin Sorescu, Ștefan Augustin Doinaș, Adrian Păunescu, Ana Blandiana, Mihai Dușescu.

This instant reading diary reproduces notes about some Romanian poets and their poetry, from a notebook of literary notes from the adolescence of the recorder (1979).

Acest jurnal de lecturi instante reproduce notițe despre câțiva poeți români și poezia lor, dintr-un caiet de însemnări literare din adolescența consemnatorului (1979).

Post-restant, autorul le recuperează azi, împreună cu notițe din aceeași vreme pe marginea unui eseu al criticului Aurel Martin, care se prind să definească momentul poeziei românești înainte de generația optzecistă.

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Florentin Smarandache: **Cititorind. Publicații românești dinainte de Revoluție. Însemnări într-un caiet literar. α-Lecturi instante.** Suceava, Romania: Mingir, 2016, 112 p.

Keywords: Amfiteatru, Steaua, Tomis, Luceafărul, România literară, Tribuna, Familia, Contemporanul, Transilvania, Vatra, Ateneu, Ramuri, Convorbiri literare, Argeșul, Manuscriptum, Viața românească.

Acest nou volum de cititoriri (al șaselea) este un jurnal de lecturi instante compilat din câteva caiete de însemnări din adolescența consemnatorului; caietele datează din anii 1979-1982, când relativa deschidere culturală a anilor 70 își dădea ultima suflare. Publicațiile listate sunt, în marea lor majoritate, reviste de cultură, și o simplă răsfoire a numelor care publicau în aceste gazete are darul de a aminti că, în acele vremuri tulburi, românii au încercat să reziste mai ales prin cultură. Dar și atunci publicau doar privilegiații care ocupau posturi în redacții sau în cultură și acoliții lor, deși revistele erau retribuite de la buget. Azi, nici un sfert dintre aceste publicații nu mai apar, iar cele care, totuși, apar - au o difuzare neînsemnată și aceeași logică de grup. Pe mulți dintre cei care aveau acces la publicațiile din acele vremuri și care n-au ezitat să se supună liniei partidului îi regăsim azi ca formatori de opinie. Fenomenul cultural românesc a decăzut constant în ultimele decenii, s-a încartiruit sau a fost monopolizat de câțiva autoalești, ori, în cel mai bun caz, s-a mutat on line, fără a mai avea puterea de a se exprima pentru mase, de a menține un standard de civilizație sau, de ce nu, de a deschide drumuri spre o Românie frumoasă și puternică.

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Florentin Smarandache: **Cititorind. Frânturi de decepție în literatură și viață. α-Lecturi instante.** Suceava, Romania: Mingir, 2016, 82 p.

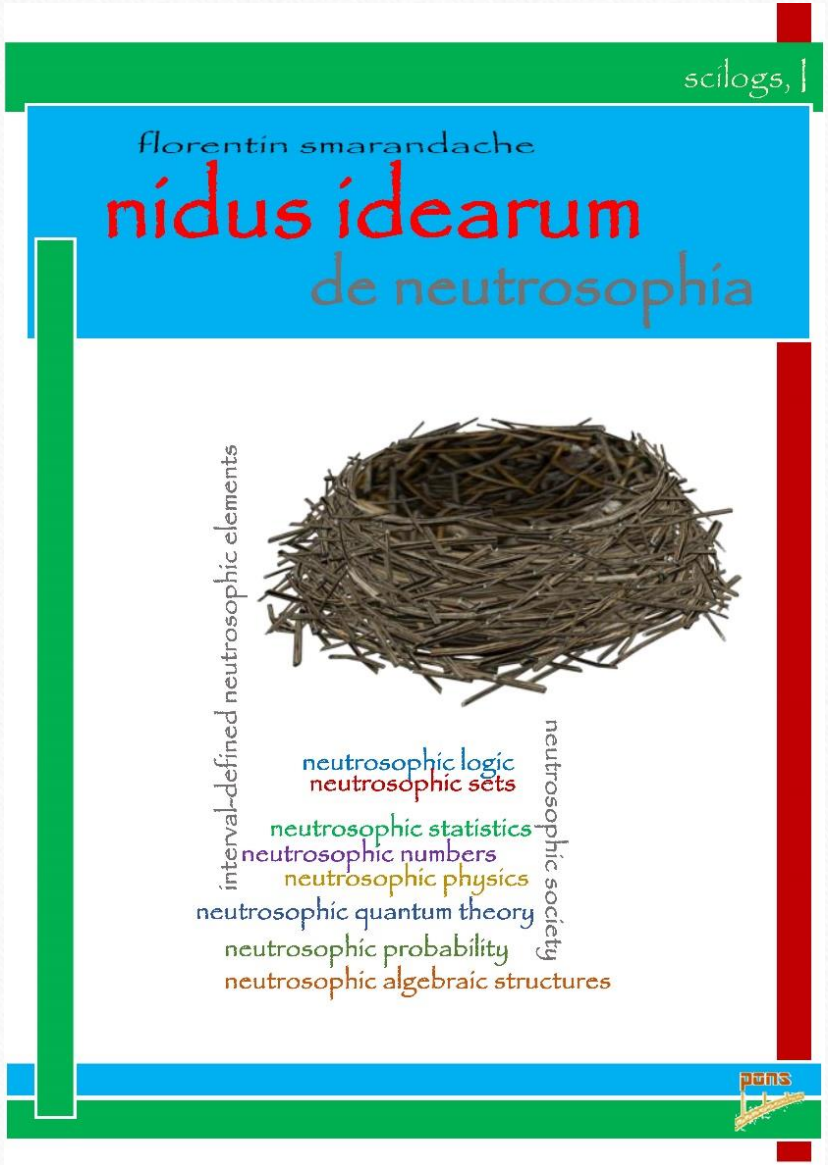
Keywords: Instant Readings, Lecturi instante, Disappointment Virginia Woolf, Franz Kafka, René Char, Emil Cioran, Constantin Țoiu, Ileana Vulpescu, Mihai Sin, Communism.

The seventh volume of Smarandache's series of read-up (instant readings) approaches the universe of disappointment from two perspectives: once, through the eyes of illustrative writers (Virginia Woolf, Franz Kafka, René Char, Emil Cioran, Constantin Țoiu, Ileana Vulpescu, Mihai Sin - sit down in chronological order), and then, through the introspective, autobiographical surprise of a deceptive period (1980 in communist Romania, with thoughts shared only on paper, with revolts and resignations, with endless struggles to publish).

A șaptea plachetă din seria smarandacheană de cititoriri (lecturi instante) abordează universul decepției din două perspective: o dată, prin ochii unor scriitori ilustrativi (Virginia Woolf, Franz Kafka, René Char, Emil Cioran, Constantin Țoiu, Ileana Vulpescu, Mihai Sin – așezați în ordine cronologică), iar apoi, prin surprinderea introspectivă, autobiografică a unei perioade deceptive (anul 1980 în România comunistă, cu gânduri împărtășite doar hârtiei, cu revolte și resemnări, cu zbateri nesfârșite pentru a publica).

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Florentin Smarandache: **Nidus idearum. Scilogs, I: de neutrosophia**. Brussels, Belgium: Pons, 2016, 107 p.

Keywords: Neutrosophic Groupoid, Neutrosophic Interval, Neutrosophic Law, Neutrosophic Likert Scale, Neutrosophic Linear Equations, Neutrosophic Logic, Neutrosophic Manifolds, Neutrosophic Mathematics, Neutrosophic Matrix, Neutrosophic Multi-Structures.

In this first books of scilogs collected from Smarandache's nest of ideas, one may find new and old questions and solutions, some of them already put at work, others dead or waiting, referring to neutrosophy – email messages to research colleagues, or replies, notes about authors, articles or books, so on.

Exchanging ideas with A.A.A. Agboola, Mumtaz Ali, Said Broumi, Clifford Chafin, Victor Christianto, Chris Cornelis, Emil Dinga, Hojjatollah Farahani, Alex Gal, Temur Kalanov, W.B. Vasantha Kandasamy, Madad Khan, Doug Lefelhocz, Linfan Mao, John Mordeson, Umberto Riviecci, Elemer Rosinger, Gheorghe Săvoiu, Ovidiu Șandru, Mirela Teodorescu, Luige Vlădăreanu, Stefan Vlădutescu, Haibin Wang, Jun Ye, Fu Yuhua.

Excerpts:

"My lab[oratory] is a virtual facility with non-controlled conditions in which I mostly perform scientific meditation and chats: a nest of ideas (nidus idearum, in Latin)."

Florentin Smarandache

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http://fs.unm.edu/NidusIdearumDeNeutrosophia.pdf

Florentin Smarandache: **Nidus idearum. Scilogs, II: de rerum consectatione**. Brussels, Belgium: Pons, 2016, 107 p.

Keywords: Neutrosophy, Neutrothesis, Neutrosynthesis, Neuplosion, Neutrosophic Epistemology, God and Science, Lupasco Logic, Neutrosophic Logic, Included Multiple-Middle, Dynamic Opposition, Inconsistency.

In this second book of scilogs collected from Smarandache's nest of ideas, one may find new and old questions and solutions, some of them already put at work, others dead or waiting, referring to many topics in different fields of research – email messages to research colleagues, or replies, notes about authors, articles, or books, so on – in an eager pursuit (consectatio) for meanings, reasons, and purports of (scientific) things (res).

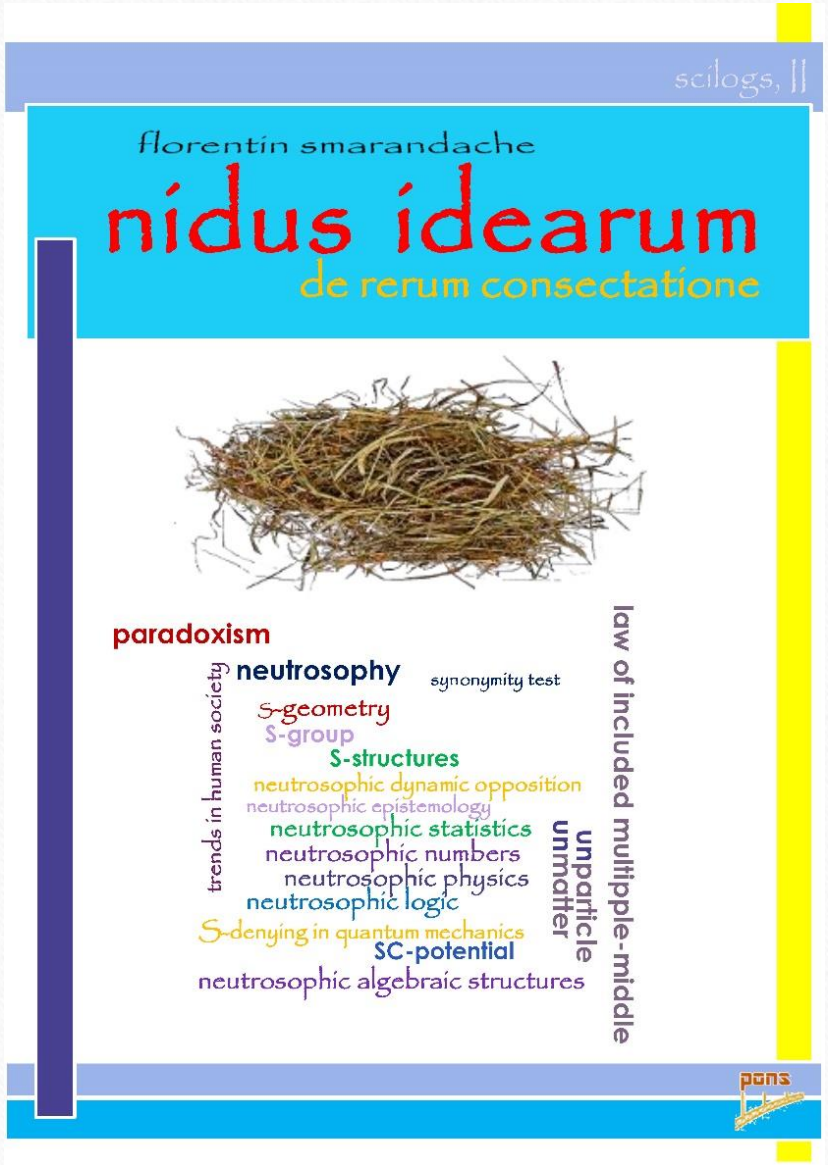
Exchanging ideas with Valentin Boju, Victor Christianto, Octavian Cira, Ervin Goldfain, Madad Khan, Yale Landsberg, Marcella Lucchetta, Dan Mitruț, Mircea Monu, Tudor Păroiu, Ion Pătrașcu, Valeriu Perianu, Paul Pistea, Gunn Quznetsov, Dmitri Rabounski, Belo Riecan, Juan Rodriguez, Ovidiu Ilie Șandru, Raj Singh, Mircea Eugen Șelariu, Haibin Wang.

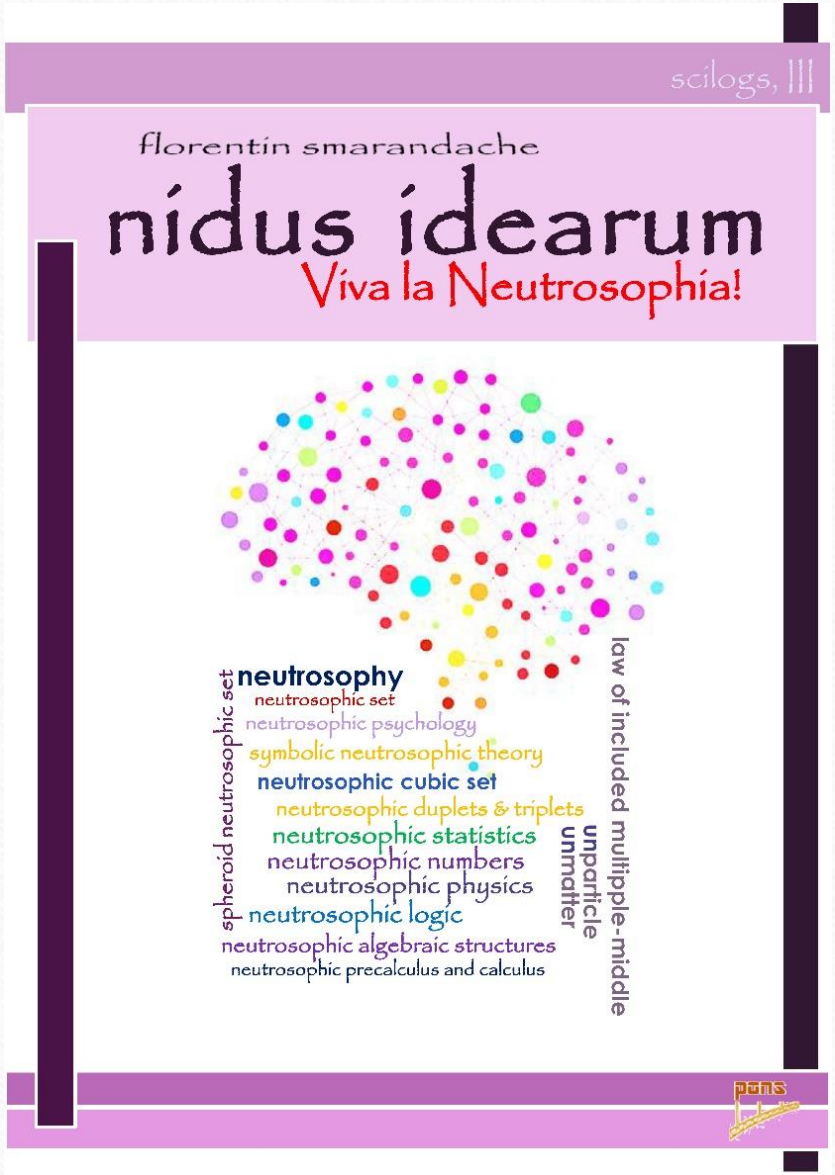
Excerpts:

"I called the jottings herein scilogs (truncations of the words scientific, and gr. Λόγος – appealing rather to its original meanings "ground", "opinion", "expectation"), combining the welly of both science and informal (via internet) talks (in English, French, and Romanian)."

Florentin Smarandache

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Florentin Smarandache: **Nidus idearum. Scilogs, III: Viva la Neutrosophia!** Brussels, Belgium: Pons, 2017, 129 p.

Keywords: Neutrosophic Set, Neutrosophic Statistics, Neutrosophic Probability, Neutrosophic Psychology, Neutrosophic Duplets, Neutrosophic Triplets, Neutrosophic Cubic Set, Transdisciplinarity.

In this third book of scilogs collected from Smarandache's nest of ideas, one may find new and old questions and solutions, referring to topics on Neutrosophy – email messages to research colleagues, or replies, notes about authors, articles, or books, so on.

Exchanging ideas with A. A. A. Agboola, Swati Aggarwal, Mumtaz Ali, Young Bae Jun, E. Barrenechea, Kanika Bhutani, Sisalah Bouzina, Said Broumi, Cuong Bui Cong, H. Bustince, Emenia Cera, Victor Christianto, Luu Dat, Jean Dezert, Huda Esmail, C. Franco, Gaurav Garg, Hewayda ElGhawalby, Ervin Goldfain, D. Gómez, Muhammad Gulistan, S. A. El-Hafeez, Omar Hammoui, Nasruddin Hassan, Pham Hong Phong, Martina Jency, Akira Kanda, J. Fernandez, Ilanthenral Kandasamy, W. B. Vasantha Kandasamy, Qaisar Khan, Volodymyr Krasnoholovets, Megha Kumar, Santanu Kumar Patro, Paul Kwan, Francisco Gallego Lupiañez, Chunfang Liu, P. Majumdar, Arnaud Martin, Nguyen Minh, Kalyan Mondal, Javier Montero, E. M. El-Nakeeb, M. Pagola, David Paul, Surapati Pramanik, Ashraf Al-Quran, Dmitri Rabounski, Nouran M. Radwan, Akbar Rezaeii, Alaa El Din M. Riad, Arsham Borumand Saeid, A. A. Salama, U. Samanta, Gheorghe Săvoiu, M. Badr Senousy, Prem Kumar Singh, Le Huang Son, Ridvan Şahin, Mehmet Şerhat Can, Zenonas Turskis, Jun Ye, Fu Yuhua, Edmundas Kazimieras Zavadskas, Hong-yu Zhang, Sarfaraz Hashemkhani Zolfani.

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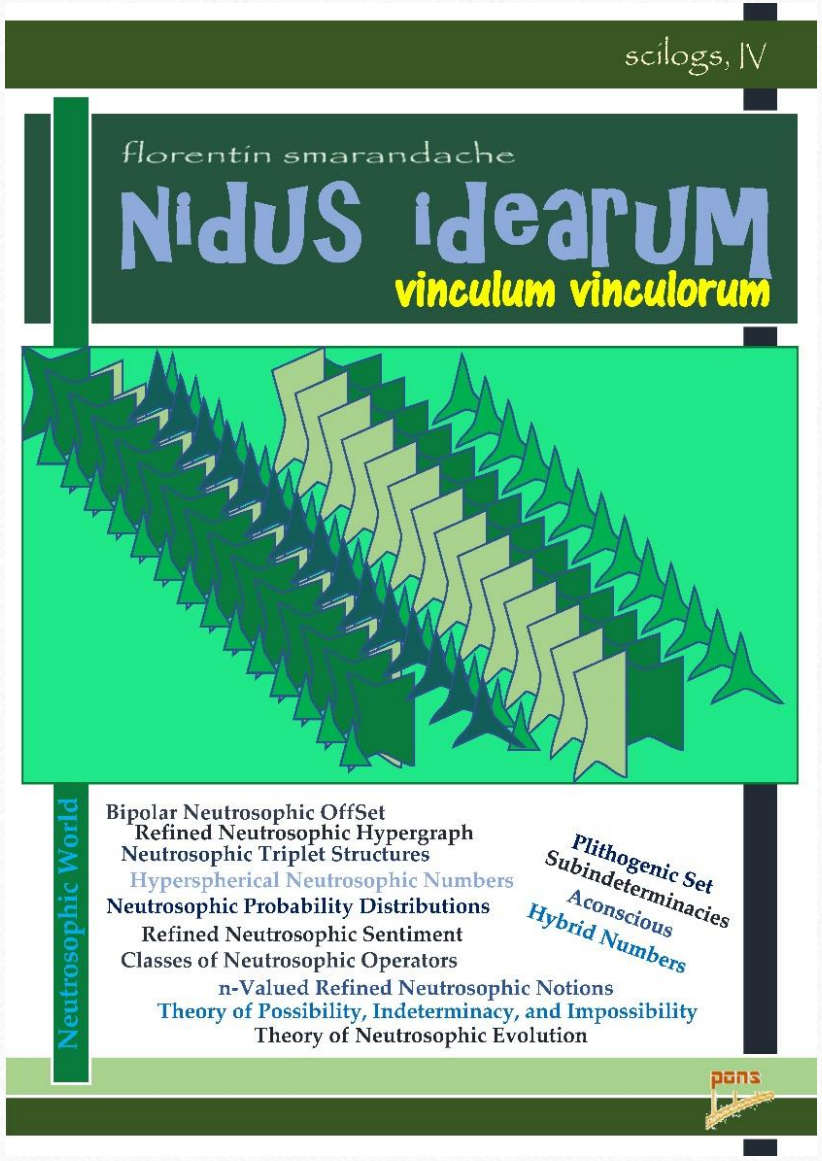
Florentin Smarandache: **Nidus Idearum. Scilogs, IV: vinculum vinculorum**. Brussels, Belgium: Pons, 2019, 121 p.

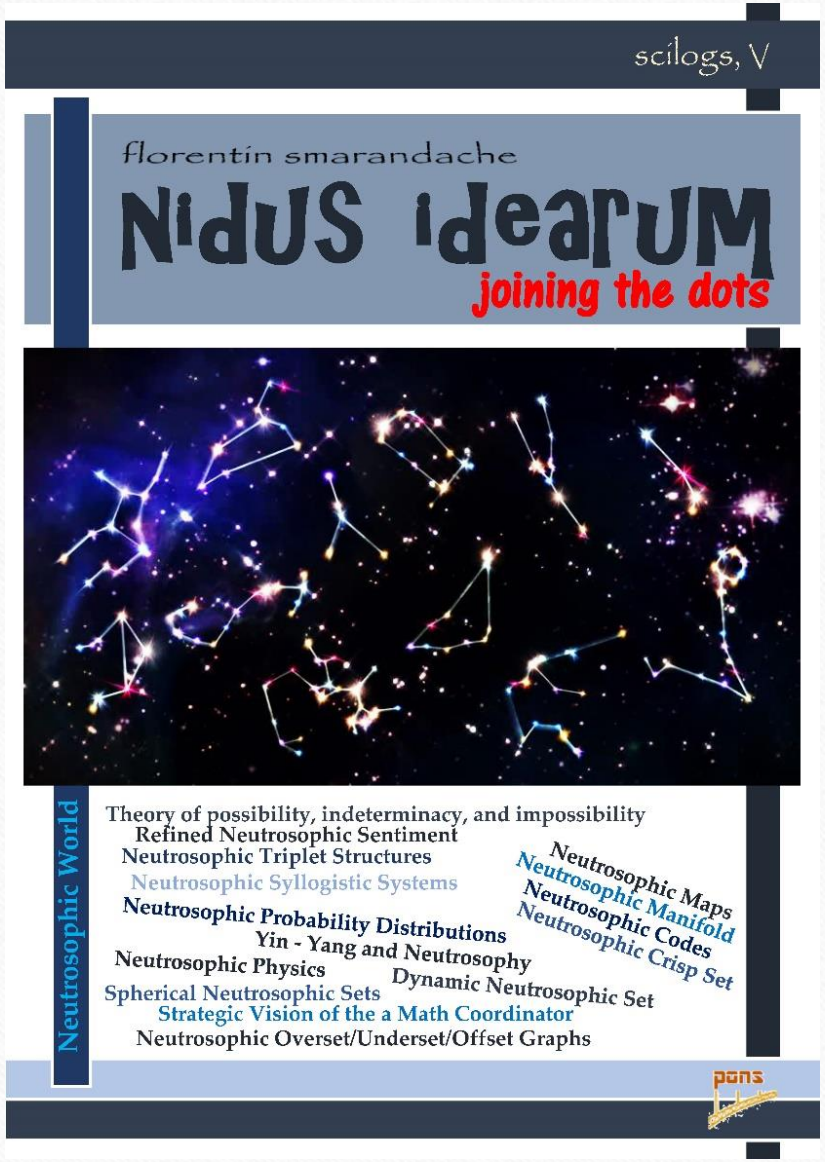
Keywords: Neutrosophy, Dynamics of Opposites, Neutrals, Neutrosophy, Neutrosophic Applications, Biology, Theory of Neutrosophic Evolution, Chernobyl Case, Theory of Catastrophes, Continuous Evolution, Neutrosophic Macroeconomics Variable, Neutrosophic Refinement, Neutrosophic Graphs, Neutrosophic Cognitive Maps, Neutrosophic Sports.

In this fourth book of scilogs collected from my nest of ideas, one may find new and old questions and solutions, referring mostly to topics on Neutrosophy – email messages to research colleagues, or replies, notes about authors, articles, or books, so on.

Exchanging ideas with: Mohamed Abdel-Basset, Akeem Adesina A. Agboola, Mumtaz Ali, Saima Anis, Octavian Blaga, Arsham Borumand Saeid, Said Broumi, Stephen Buggie, Victor Chang, Vic Christianto, Mihaela Colhon, Cường Bùi Công, Aurel Conțu, Stephen Crothers, Otene Echewofun, Hoda Esmail, Hojjat Farahani, Erick Gonzalez, Muhammad Gulistan, Yanhui Guo, Mohammad Hamidi, Kul Hur, Tèmítópé Gbóláhàn Jaíyéolá, Young Bae Jun, Mustapha Kachchouh, W. B. Vasantha Kandasamy, Madad Khan, Erich Peter Klement, Maikel Leyva-Vázquez, Dat Luu, Radko Mesiar, Fatimah M. Mohammed, John Mordeson, Xindong Peng, Surapati Pramanik, Dmitri Rabounski, Adriana Răducan, Gheorghe Săvoiu, Ajay Sharma, Le Hoang Son, Mirela Teodorescu, Nguyễn Xuân Thảo, Selçuk Topal, Amin Vafadarnikjoo, Andrușa Vătuiu, Jun Ye, Xiaohong Zhang.

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http://fs.unm.edu/NidusIdearum4.pdf





Florentin Smarandache: **Nidus Idearum. Scilogs, V: joining the dots.** Brussels, Belgium: Pons, 2019, 121 p.

Keywords: Neutrosophy, Strategic Vision, Math Coordinator, Neutrosophic Probability, Refined Neutrosophic Sentiment Analysis, Sexual Harassment, Three-Way Decision, Neutrosophication, Yin-Yang, Neutrosophic Logic, Intuitionistic Fuzzy Logic, Quantum Logic, Many-Valued Logic, Neutrosophic Triplet, Neutrosophic Syllogistic Systems, Refined Neutrosophic Linguistic Lattice, Neutrosophic Statistics, Neutrosophic Manifold.

In this fifth book of scilogs collected from my nest of ideas, one may find new and old questions and solutions, referring mostly to topics on Neutrosophy – email messages to research colleagues, or replies, notes about authors, articles, or books, so on.

Exchanging ideas with: Mohamed Abdel-Basset, Akeem Adesina A. Agboola, Yaman Akbulut, Anas Al-Masarwah, Mohammed A. Alshumrani, Saima Anis, Şule Bayazit Bedirhanoğlu, Said Broumi, Robert Neil Boyd, Vic Christianto, Stephen Crothers, Narmada Devi, Jean Dezert, Hojjatollah Farahani, Kawther Fawzi, Yanhui Guo, Minghu Ha, Bill Harrington, Qingqing Hu, Kul Hur, Saeid Jafari, Tèmítópé Gbóláhàn Jaíyéolá, Liviu Jianu, Young Bae Jun, Dinko Juric, Madad Khan, Cengiz Kahraman, Akira Kanda, Ilanthenral Kandasamy, W. B. Vasantha Kandasamy, Abdullah Kargın, Hee Sik Kim, Xingliang Liang, Feng Liu, Xiaowei Liu, Francisco Gallego Lupiañez, Dat Luu, Yingcang Ma, Adnan Mathm, Linfan Mao, Mumtaz Ali, Cenap Ozel, Choonkil Park, Surapati Pramanik, Dmitri Rabounski, Nouran Radwan, Abdolreza Rashno, Waldyr Rodrigues, Margaret Rouse, Abdulkadir Sengur, Ajay Sharma, Le Hoang Son, Mehmet Şahin, Ridvan Şahin, Alireza Tasdighi, Ferhat Taş, Nguyễn Xuân Thảo, Selçuk Topal, Amin Vafadarnikjoo, Maikel Leyva-Vázquez, Andrușa Vătuiu, Chao Wang, George Weissmann, Jun Ye, Peng Yu, Xiaohong Zhang.

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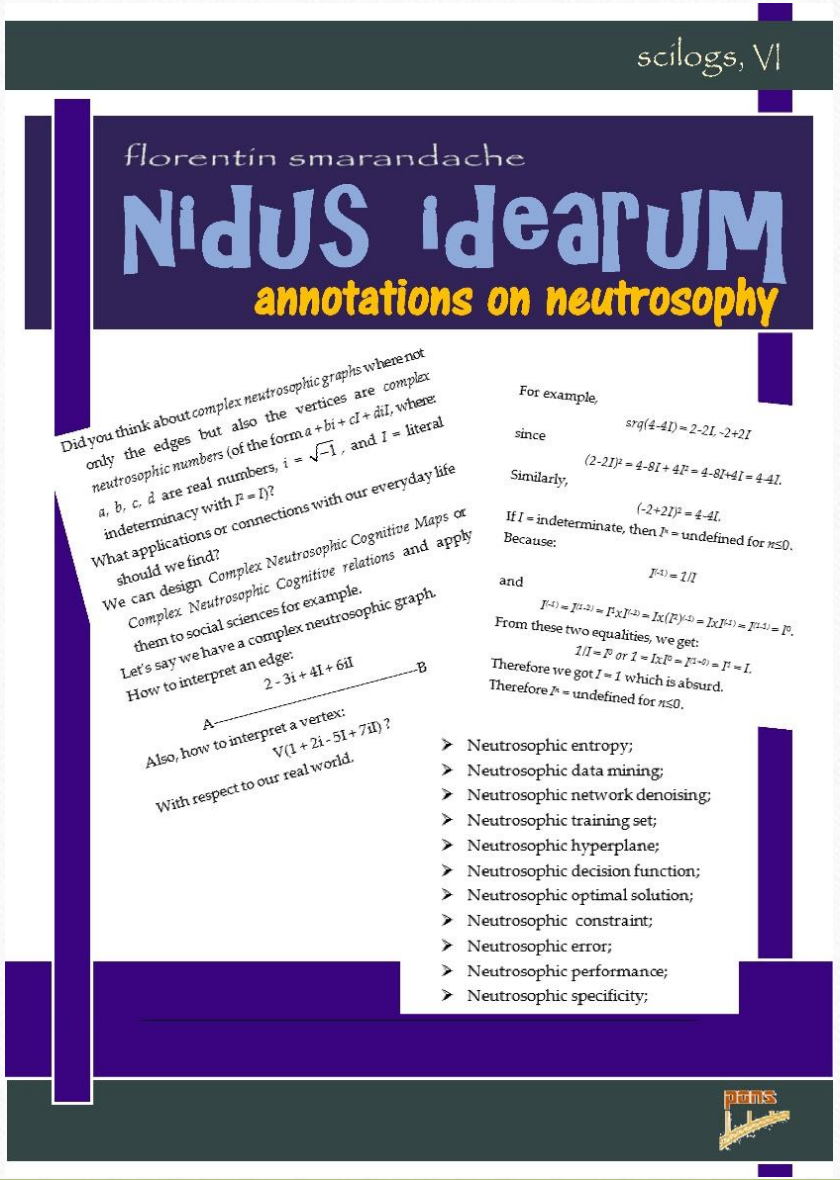
Florentin Smarandache: **Nidus Idearum. Scilogs, VI: annotations on neutrosophy.** Brussels, Belgium: Pons, 2019, 126 p.

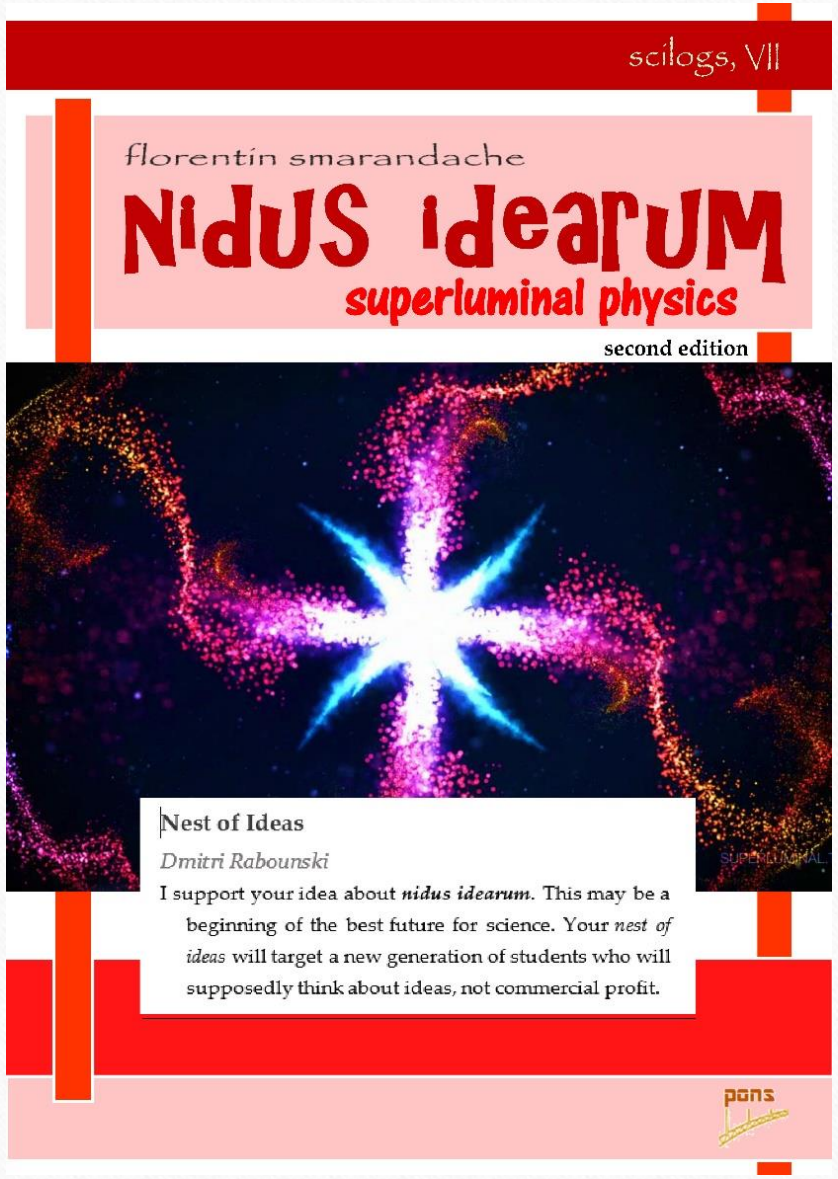
Keywords: Neutrosophic Science, Fuzzy Theory, Neutrosophic Logic, Information Fusion, Three-Way Decision Space, Neutrosophic Set, Finite Three-Valued Logic, Triple-Infinite Three Valued-Logic, Graph Database, Neutrosophic Psychology, Neutrosophic Sociology, Neutrosophic Biology, Neutrosophic Data Warehouse, Neutrosophic Game Theory.

In this sixth book of scilogs collected from my nest of ideas, one may find new and old questions and solutions, referring to topics on Neutrosophy – email messages to research colleagues, or replies, notes about authors, articles, or books, and so on.

Exchanging ideas with: A.A.A. Agboola, Muhamed Akram, Mohamed Abdel-Basset, Slim Belhaiza, Hashem Bordbar, Sisalah Bouzina, Said Broumi, Kajal Chatterjee, Emenia Cera, Vic Christianto, Mihaela Colhon, B. Davvaz, Luu Quoc Dat, Harish Garg, Muhammad Gulistan, A. Hassan, Nasruddin Hassan, Faruk Karaaslan, Vali Ichim, Raul Iordăchiță, Tèmítópé Gbóláhàn Jaíyéolá, Young Bae Jun, Ilanthenral Kandasamy, W. B. Vasantha Kandasamy, S. Khalil, Chang Su Kim, J. Kim, Hur Kul, J. G. Lee, Xinliang Liang, P. K. Lim, Peide Liu, Pabitra Kumar Maji, M. A. Malik, John Mordeson, Mumtaz Ali, Nirmal Nital, Ion Pătrașcu, Surapati Pramanik, Majdoleen Abu-Qamar, Nouran Radwan, Abdolreza Rashno, Elemer Elad Rosinger, Arsham Borumand Saeid, A. A. Salama, Ganeshsree Selvachandran, P. K. Singh, Le Hoang Son, Seok-Zun Song, Nguyễn Xuân Thảo, Gabriela Tonț, Ștefan Vlăduțescu, Jun Ye, Xiaohong Zhang.

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Florentin Smarandache: **Nidus Idearum. Scilogs, VII: superluminal physics**. Brussels, Belgium: Pons, 2019, 97 p.

Keywords: Equilibrium, Non-equilibrium, Neutrosophic Systems, S-denying, Aristotelian Logic, Efficient Market Hypothesis, Imaginary Indeterminacy, Lucky Science, Smarandache's Conjecture, Consecutive Primes, Neutrosophic Set, Neutrosophic Indeterminacies, Neutrosophic Set, Neutrosophic Duplets, Neutrosophic Triplets, DSm Reliability, Neutrosophic MCDM Problems, α-Discounting, Faster Than Light, Unmatter, Geopathogeneous Radiation, Neutrosophic Probability Density.

In this seventh book of scilogs collected from Smarandache's nest of ideas, one may find new and old questions and solutions, referring to different scientific topics – email messages to research colleagues, or replies, notes about authors, articles, or books, so on. It is a blog-book, mostly with extracts from email correspondences with many scientists around the world, especially on fuzzy and neutrosophic theories and their applications - in the aim that these ideas might get the attention of other researchers to be developed and applied in the future.

Exchanging ideas with: Akeem Adesina A. Agboola, Muhammad Akram, Octavian Blaga, Said Broumi, Kajal Chatterjee, Vic Christianto, Octavian Cira, Mihaela Colhon, B. Davvaz, Luu Quoc Dat, R. Dhavaseelan, Jean Dezert, Hoda Esmail, Reza Farhadian, Ervin Goldfain, Muhammad Gulistan, Yanhui Guo, Keli Hur, Saeid Jafari, W. B. Vasantha Kandasamy, J. Kim, J.G. Lee, Xinde Li, P. K. Lim, R. K. Mohanty, Mumtaz Ali, To Santanu Kumar Patro, Xu Peng, Dmitri Rabounski, Nouran Radwan, Musavarah Sarwar, Ganeshsree Selvachandran, Le Hoang Son, Selçuk Topal, Andrușa Vătuiu, Ștefan Vlăduțescu.

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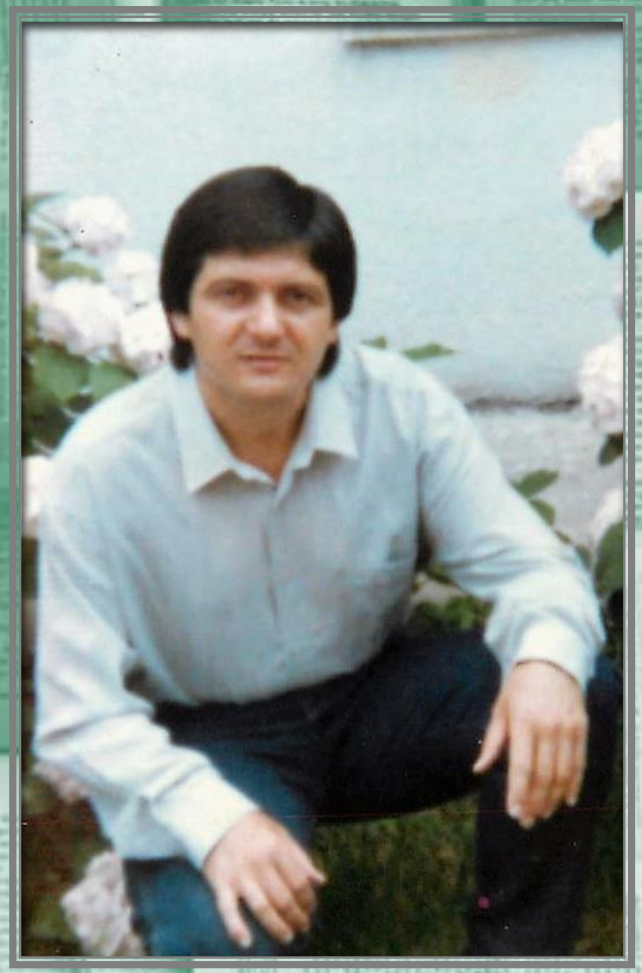
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