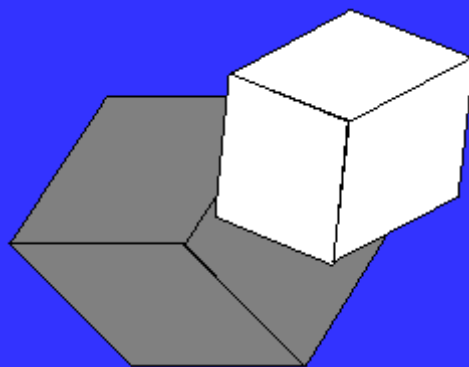


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Papers Abstracts



FORUM

A RECURSIVE FORMULA FOR POWER MOMENTS OF 2-DIMENSIONAL KLOOSTERMAN SUMS ASSOCIATED WITH GENERAL LINEAR GROUPS

Dae San Kim, Seung-Hwan Yang

In this paper, we construct a binary linear code connected with the Kloosterman sum for $GL(2, q)$. Here q is a power of two. Then we obtain a recursive formula generating the power moments 2-dimensional Kloosterman sum, equivalently that generating the even power moments of Kloosterman sum in terms of the frequencies of weights in the code. This is done via Pless power moment identity and by utilizing the explicit expression of the Kloosterman sum for $GL(2, q)$. (pp. 7-16)

A NOTE ON THE CAFIERO CRITERION IN EFFECT ALGEBRAS

Giuseppina Barbieri

We give an alternative proof of a Cafiero type theorem for measures on effect algebras. (pp. 17-22)

ON INCLUSION BETWEEN $\Lambda BV^{(p)}$, CHANTURYIA AND H_w^p CLASSES

Alireza Ahmadi Ledari, Habib Naderi

In this paper We prove inclusion relations between $\Lambda BV^{(p)}$ and $V[v]$ and give a necessary condition for the inclusion of $\Lambda BV^{(p)}$ in classes H_w^p . (pp. 23-28)

INFLUENCE OF VARIABLE FLUID PROPERTIES, THERMAL RADIATION AND CHEMICAL REACTION ON MHD SLIP FLOW OVER A FLAT PLATE

Subrata Jana, Kalidas Das

In the present study the magneto hydrodynamic (MHD) slip flow and heat transfer over a flat plate with convective surface heat flux at the boundary and temperature dependent fluid properties has been presented in presence of chemical reactions, thermal radiation and non-uniform heat source/sink. The transverse magnetic field is assumed as a function of the distance from the origin. Also it is assumed that the fluid viscosity and the thermal conductivity vary as an inverse function and linear function of temperature respectively. Using the similarity transformation, the governing system of equations are transformed into similarity non-linear ordinary differential equations which are solved numerically using symbolic software MATHEMATICA. As a result, the dimensionless velocity, temperature, concentration, the skin friction coefficient, the Nusselt number and the local Sherwood number are presented through graphs and tables for several sets of values of the involved parameters of the problem and discussed in details from the physical point of view. pp. 29-44

NORMAL INDUCED FUZZY TOPOLOGICAL SPACES

Apu Kumar Saha, Debasish Bhattacharya

The motto of the present treatise is to introduce and characterize the concept of n -infty induced fuzzy topological spaces generated by normal lower semi-continuous functions. Examples of n -infty induced fuzzy topological spaces are given and its properties are studied. Interrelationship between the newly defined induced spaces and their corresponding topological spaces are examined. (pp. 45-56)

SOME RESULTS ON LAGUERRE TRANSFORM IN TWO VARIABLES

I.A. Salehbbhai, A.K. Shukla

An attempt is made to investigate some results on Laguerre transform in two variables [8]. In this paper, Laguerre transform of some particular functions and integral formulas have been obtained. (pp. 57-62)

GROWTH ANALYSIS OF WRONSKIANs BASED ON RELATIVE L^* -ORDER AND RELATIVE L^* -TYPE

Sanjib Kumar Datta, Tanmay Biswas, Chinmay Biswas

In this paper, we establish the relationship between the relative L -order (relative L^* -order), relative L -type (relative L^* -type) and relative L -weak type (relative L^* -weak type) of a transcendental meromorphic function f with respect to an entire function g and that of Wronskian generated by the meromorphic f and entire g . (pp. 63-70)

SOFT FUZZY DISCONNECTEDNESS IN DIMENSION THEORY

D. Vidhya, E. Roja, M.K. Uma

In this paper the concept of soft fuzzy B disconnected space is introduced and studied. In particular, soft fuzzy B disconnectedness via dimension theory is established. (pp. 71-80)

FACTOR BISEMIRINGS

Fawad Hussain

In this paper we define congruence relations on bisemirings and bisemiring homomorphisms. We show that each bisemiring homomorphism defines a congruence relation on a bisemiring and then we introduce factor bisemirings. In the last section, we prove analogue of the isomorphism theorems. (pp. 81-88)

FUZZY PARAMETERIZED FUZZY SOFT RINGS AND APPLICATIONS

Xianping Liu, Jianming Zhan

The concepts of FP -fuzzy soft rings, FP -equivalent fuzzy soft rings and FP -increasing(decreasing) fuzzy soft rings are introduced. Then some properties of them are given. Finally, aggregate fuzzy subrings are proposed by aggregate fuzzy sets of FP -fuzzy soft rings. (pp. 89-100)

A SECURE AND EFFICIENT AUTHENTICATION WITH KEY AGREEMENT SCHEME BASED ON ELLIPTIC CURVE CRYPTOSYSTEM

Juan Qu, Yuming Feng, Yi Huang

Recently, Li et al. [20] proposed an improved authentication with key agreement scheme on elliptic curve cryptosystem for global mobility networks to remedy the weaknesses of Rhee et al.'s scheme. Li et al.'s scheme not only achieves mutual authentication, but also provides the procedure for key agreement and updates of secrets for users and servers. However, we find that Li et al.'s scheme is still insecure and vulnerable to insider attack, impersonation attack and unverifiable password change. In order to eliminate these pitfalls, we propose a new authenticated with key agreement scheme based on elliptic curve cryptosystem. The analysis shows that the proposed scheme is more secure and more suitable for global mobility networks. (pp. 101-112)

DIAMETERS OF SEMI-IDEAL BASED ZERO-DIVISOR GRAPHS FOR FINITE DIRECT PRODUCT OF POSETS

K. Porselvi, B. Elavarasan

In this paper, we characterize the diameter of zero-divisor graph for direct product $P_1 \times P_2 \times \dots \times P_n$ with respect to direct product $I_1 \times I_2 \times \dots \times I_n$, where I_1, I_2, \dots, I_n are semi-ideals of posets P_1, P_2, \dots, P_n , respectively. (pp. 113-122)

ON COMMUTING TRACES OF GENERALIZED BIDERIVATIONS OF PRIME RINGS
Asma Ali, Faiza Shujat, Shahoor Khan

In this paper, we prove some theorems on symmetric generalized biderivations of a ring, which extend a result of Vukman [9, Theorem 1] and a result of Bresar [3, Theorem 4.1]. (pp. 123-132)

ON CONNECTIONS BETWEEN VECTOR SPACES AND HYPERCOMPOSITIONAL STRUCTURES
Christos G. Massouros

During his sort life, F. Marty, through three articles of his, introduced the notion of hypergroup. W. Prenowitz utilized this structure in the study of Geometry. This paper contributes to the methodology of connecting vector spaces with hypergroups. Convexity is presented in hypercompositional algebra terms and we get to the theorems of Kakutani, Stone, Helly, Randon, Carathéodory and Steinitz, through more general theorems which are valid in hypergroups. (pp. 133-150)

ON THE CONJUGATION INVARIANT PROBLEM IN THE MOD p DUAL STEENROD ALGEBRA
Neşet Deniz Turgay

The Leibniz–Hopf algebra \mathcal{F} is the free associative \mathbf{Z} -algebra on one generator in each positive degree, with coproduct given by the Cartan formula. Fix an odd prime p , and let \mathcal{A} denote the Bockstein–free part of the mod p Steenrod algebra. We investigate an alternative approach to the conjugation invariant problem in the dual Steenrod algebra \mathcal{A}^* using the conjugation invariants in $\mathcal{F}^* \otimes \mathbf{Z}/p$. (pp. 151-158)

M -FUZZY h -IDEALS IN h -SEMISIMPLE M - Γ -HEMIRINGS
Deng Pan, Jianming Zhan, Hee Sik Kim

In this paper, the concepts of M -fuzzy h -interior ideals and prime M -fuzzy h - ideals in M - Γ -hemirings are introduced. Some new properties of these kinds of M -fuzzy h -ideals are also given. Finally, some characterizations of the h -semisimple M - Γ -hemirings are investigated by these kinds of M -fuzzy h -ideals. (pp. 159-170)

ON ALGEBRAIC AND ANALYTIC CORE II
Abdelaziz Tajmouati, Abdeslam El Bakkali, Mohamed Karmouni

In this paper, we continue the study of the algebraic core spectrum and the analytic core spectrum of an operator T on the complex Banach space X : $\sigma_{alc}(T) = \{\lambda \in \mathbb{C} : C(\lambda I - T) = \{0\}\}$ and $\sigma_{ac}(T) = \{\lambda \in \mathbb{C} : K(\lambda I - T) = \{0\}\}$ where $C(T)$ and $K(T)$ are respectively the algebraic core and the analytic core for T . We shall be concerned with the relations between $\sigma_{ac}(\cdot)$ ($\sigma_{alc}(\cdot)$) and different classical parts of spectrum: the point spectrum, the approximate point spectrum, the surjectivity spectrum and the Kato spectrum. Moreover, some applications are given. (pp. 171-180)

JACOBI FIELDS ON THE MANIFOLD OF FREUND
Muhammad Shoaib Arif, Zhang Er-chuan, Sun Hua-fei

In this paper, the geometric structures of Freund manifold are considered By defining a Riemannian metric, the curvature tensor and the scalar curvature are given. Then, the Jacobi fields on the Freund manifold have been considered to investigate the instability of the geodesics in view of differential geometry. Moreover, we take submanifold of Freund manifold as an example to illustrate our results. (pp. 181-188)

LOCAL LARGEST LYAPUNOV EXPONENT IS CRITICAL TO THRESHOLD VOLTAGE AND REFRACTORY PERIODS FOR HODGKIN-HUXLEY MODEL

Hong Cheng, Lan Guo

It is not known whether the spike threshold voltage and refractory periods in neocortical neurons reflects the reliability of spike timing underlying mechanisms. The paper scrutinizes their relationship with local largest Lyapunov exponent (*LLLE*) in an excitatory Hodgkin-Huxley system under either sinusoidal drive or stochastic Poisson drive. The influence of the forcing on the response of the system is examined in the realm of suprathreshold amplitudes. Our results demonstrate that the average *LLLE* in spike and non-spike regions is different under the physiological threshold voltage and refractory periods. These dynamics contains

- (i) The average values of the *LLLE* in spike region are almost negative, and almost positive in non-spike region under sinusoidal driving.
- (ii) The values in spike region are nearly constant under sinusoidal drive with varying frequency; however, the values in non-spike region are different.
- (iii) Under low Poisson spike rate and different Poisson inputs strength, the average values of *LLLE* almost remain the same constant in spike and non-spike region. (pp. 189-200)

AN APPROACH TO THE RELATIVE ORDER BASED GROWTH PROPERTIES OF DIFFERENTIAL MONOMIALS

Sanjib Kumar Datta, Tanmay Biswas, Sarmila Bhattacharyya

In this paper an attempt is taken to study the comparative growth properties of composition of entire and meromorphic functions on the basis of relative order and relative lower order of differential monomials generated by transcendental entire and transcendental meromorphic functions. (pp. 201-212)

UNIFORMLY STABILITY OF IMPULSIVE DELAYED LINEAR SYSTEMS WITH IMPULSE TIME WINDOWS

Yuming Feng, Dan Tu, Chuandong Li, Tingwen Huang

In this paper, we formulate a new kind of mathematical model of impulsive delayed linear system, which is called *impulsive delayed linear system with impulse time windows*. By constructing a Lyapunov function, we obtain some conditions for the uniformly stability of the system. An example is also given to illustrate the efficiency of the results. (pp. 213-220)

T-SYSTEMS IN TERNARY SEMIGROUPS

P. Bindu, Sarala Yella, Madhusudana Rao Dasari

In this paper, we introduce the notions of right T-system transitive, T-homomorphism, semispace in ternary semigroups. We characterize different classes of ternary semigroups by the properties of their right T-system and T-homomorphism. (pp. 221-224)

SOME NEW OPERATIONS ON INTERVAL-VALUED INTUITIONISTIC FUZZY SOFT SETS

Jinyan Wang, Suqin Tang

Interval-valued intuitionistic fuzzy soft set theory is an intuitionistic fuzzy extension of the interval-valued fuzzy soft set theory or an interval-valued fuzzy extension of the intuitionistic fuzzy soft set theory. In this paper, we further consider interval-valued intuitionistic fuzzy soft sets. Some new operations on interval-valued intuitionistic fuzzy soft sets, i.e., “.”, “+” and Cartesian product, are defined, and some related properties are investigated. (pp. 225-242)

FUZZY HYPER KS-SEMIGROUPS

Bijan Davvaz, Ann Leslie O. Vicedo, Jocelyn P. Vilela

Hyperstructure theory is applied to KS-semigroups, an algebra related to BCK-algebra and semigroup and thus, the notion of hyper KS-semigroups is introduced.

In this paper, the concept of fuzzy sets is applied to hyper KS-semigroups. In this fuzzification, the notions of fuzzy hyper subKS-semigroups and fuzzy hyper KS-ideals are introduced and relationships among them are investigated. Using the concept of upper level subsets, relationships between hyper subKS-semigroups (resp. hyper KS-ideals) and fuzzy hyper subKS-semigroups (resp. fuzzy hyper KS-ideals) are established. Finally, under a homomorphism $f : G \rightarrow H$ of hyper KS-semigroups, it is shown that the pre-image of a fuzzy hyper KS-ideal of H is a fuzzy hyper KS-ideal of G . (pp. 243-250)

ENGEL FUZZY SUBGROUPS

R. Ameri, E. Mohammadzadeh

In this paper we introduce and study Engel fuzzy subgroups. We will proceed by introduce and study soluble and nilpotent fuzzy subgroups. In particular, we show that if $x \in L_3(\mu)$ and $\mu(x^{p^n}) = \mu(e)$ for some integer $n \geq 2$, then μ is fuzzy soluble. (pp. 251-262)

ON 2-ABSORBING PRIMARY AND WEAKLY 2-ABSORBING ELEMENTS IN MULTIPLICATIVE LATTICES

Fethi Çallıalp, Ece Yetkin, Unsal Tekir

In this paper, we introduce the concept of 2-absorbing primary and weakly 2-absorbing primary elements which are generalizations of primary and weakly primary elements in multiplicative lattices. Let L be a multiplicative lattice. A proper element q of L is said to be a (weakly) 2-absorbing primary element of L if whenever $a, b, c \in L$ with $(0 \neq abc \leq q)$ $abc \leq q$ implies either $ab \leq q$ or $ac \leq \sqrt{q}$ or $bc \leq \sqrt{q}$. Some properties of 2-absorbing primary and weakly 2-absorbing primary elements are presented and relations among prime, primary, 2-absorbing, weakly 2-absorbing, 2-absorbing primary and weakly 2-absorbing primary elements are investigated. Furthermore, we determine 2-absorbing primary elements in some special lattices and give a new characterization for principal element domains in terms of 2-absorbing primary elements. (pp. 263-276)

FUZZY IDEALS OF IMPLICATION GROUPOIDS

Ravi Kumar Bandaru, K. P. Shum, N. Rafi

In this paper, we introduce the concept of fuzzy ideals in implication groupoids and investigate its properties. (pp. 277-290)

SOME REFINEMENTS OF THE HEINZ INEQUALITIES

Jianming Xue

This paper aims to discuss Heinz inequalities for unitarily invariant norms. We present some refinements of the Heinz inequalities for matrices due to Kittaneh [Integr. Equ. Oper. Theory, 68:519-527, 2010]. Our results generalize the results shown by Feng [J. Inequal. Appl., 2012:18, 2012], Wang [J. Inequal. Appl., 2013:424, 2013] and Yan et al. [J. Inequal. Appl. 2014:50, 2014]. (pp. 291-298)

COMPUTATION OF TOPOLOGICAL INDICES OF NON-COMMUTING GRAPHS

M. Jahandideh

Let G be a non-abelian finite group. The non-commuting graph Γ_G of G is defined as a graph with vertex set $G - Z(G)$ in which two distinct vertices x and y are joined if and only if $xy \neq yx$. Various topological indices have been defined for simple and connected graphs. Since non-commuting graph is a simple and connected graph, topological indices could be defined for it. The main object of this article is to calculate various indices like Wiener index, Hyper-Wiener index, Schultz index and Gutman index for the non-commuting graph of the group G . (pp. 299-310)

CHARACTERIZATION OF BI Γ -TERNARY SEMIGROUPS BY THEIR IDEALS

Muhammad Akram, Jacob Kavikumar, Azme Khamis

In this paper, the concept of bi Γ -ternary semigroup has been introduced. The notion of bi Γ -ternary subsemigroup, bi Γ left (right, lateral) ideals, bi Γ -quasi and bi Γ -bi-ideals of this newly defined structure has been introduced. Also the regular bi Γ -ternary semigroups have been studied in terms of bi Γ -ideals.

(pp. 311-328)

(i, j) - ω -b-OPEN SETS AND (i, j) - ω -b-CONTINUITY IN BITOPOLOGICAL SPACES

Carlos Carpintero, Sabir Hussain, Ennis Rosas

As a generalization of (i, j) -b-open sets in bitopological spaces, we introduce and explore the notions of (i, j) - ω -b-open sets. We also develop its relationship with already defined generalizations of b-open sets. Moreover we define and discuss the properties of (i, j) - ω -b-continuous functions.

(pp. 329-338)

INTUITIONISTIC FUZZY SETS IN UP-ALGEBRAS

Bodin Kesorn, Khanrudee Maimun, Watchara Ratbandan, Aiyared Iampan

The concept of intuitionistic fuzzy sets was first introduced by Atanassov, which is a generalization of the concept of fuzzy sets. In this paper, we apply the concept of intuitionistic fuzzy sets to UP-algebras. The notions of intuitionistic fuzzy UP-ideals and intuitionistic fuzzy UP-subalgebras of UP-algebras are introduced and their basic properties are investigated. Upper t -(strong) level subsets and lower t -(strong) level subsets are derived from some intuitionistic fuzzy sets.

(pp. 339-364)

EQUITABLE COLORINGS OF CARTESIAN PRODUCTS OF FANS WITH BIPARTITE GRAPHS

Liancui Zuo, Fanglan Wu, Shaoqiang Zhang

In this paper, by the sorting method of vertices, it is obtained that the equitable chromatic number and the equitable chromatic threshold of the Cartesian products of fans with bipartite graphs.

(pp. 365-374)

SUBORDINATION RESULTS FOR A CERTAIN SUBCLASS OF NON-BAZILEVIC ANALYTIC FUNCTIONS DEFINED BY LINEAR OPERATOR

Adnan G. Alamoush, Maslina Darus

In this work, by making use of the principle of subordination, we introduce a certain subclass of non-Bazilevic analytic functions defined by linear operator. Such results as subordination and superordination, sandwich theorem and inequality properties are given.

(pp. 375-388)

ON FULLY STABLE ACTS

Mehdi Sadiq Abbas, Hiba Rabee Baanoon

The purpose of this paper is to introduce and investigate the fully stable acts as a concept generalizing fully stable modules but is stronger than that of duo acts. In this study, we consider some properties and characterizations of the class of fully stable acts, and the relations between this class and other well studied classes of acts, like quasi-injective acts and acts satisfying Baer's criterion.

(pp. 389-396)

AN EFFECTIVE BOUNDARY INTEGRAL APPROACH FOR THE SOLUTION OF NONLINEAR TRANSIENT THERMAL DIFFUSION PROBLEMS

Okey Oseloka Onyejekwe

Numerical calculations of nonlinear transient thermal diffusion problems have been carried out with a modified ‘simple’ boundary integral formulation known as the Green element method (GEM). The theory of the formulation is based on the singular integral equation of the boundary element method (BEM) but its implementation is element-by-element like the finite element method (FEM). Domain integrals resulting from nonlinearity of the problems as well as those arising from the approximation of the time derivative are encountered but unlike the classical approach, they are resolved within the element domain. Comparisons of GEM results with those obtained analytically or from the finite difference Newton-Richtmeyer’s and the finite element method (FEM) serve to confirm the usefulness of the proposed formulation in handling nonlinearity in an unambiguous, straightforward and elegant manner without transforming or complicating the governing equations. (pp. 397-412)

ON IMPROVED YOUNG TYPE INEQUALITIES FOR MATRICES

Xingkai Hu, Fengzao Yang, Jianming Xue

This paper aims to give improved Young type inequalities which are due to Hu [2]. Then we use these inequalities to establish corresponding Young type inequalities for matrices. (pp. 413-420)

SOFT ISOMORPHISM THEOREMS FOR SOFT HEMIRINGS

Kuanyun Zhu, Jianming Zhan

In this paper, the concepts of soft strong h -ideals and strong h -idealistic soft hemirings are introduced. Some properties of soft hemirings and strong h -idealistic soft hemirings are given. In particular, we construct a novel soft quotient structure of an idempotent hemiring. By means of a kind of new way, soft isomorphism theorems of soft hemirings are established, which are different from soft isomorphism theorems of soft rings. (pp. 421-430)

FINITE p -GROUPS IN WHICH NORMAL CLOSURES FOR EVERY NONNORMAL SUBGROUPS ARE MINIMAL NONABELIAN

Dapeng Yu, Guiyun Chen, Haibo Xue, Heng Lv

The authors study finite p -groups G such that A^G is minimal non-abelian for all non-normal subgroup $A < G$. This topic is Problem 805 posed by Berkovich and Janko in [?]. The authors give the complete classification of such kind of p -groups. (pp. 431-436)

SCOTT CLOSED INJECTIVITY AND RETRACTNESS OF DIRECTED COMPLETE POSET ACTS

Mojgan Mahmoudi, Mahdiah Yavari

Domain theory, which studies directed complete partially ordered sets, was introduced by Scott in the 1970s as a foundation for programming semantics and provides an abstract model of computation, and has grown into a respected field on the borderline between mathematics and computer science.

In this paper, we consider actions of a semigroup (monoid or group) on directed complete posets and study the algebraic notions of injectivity and retractness with respect to Scott closed embeddings in the categories so obtained. (pp. 437-448)

A MONGE-AMPÈRE TYPE OPERATOR IN 2-DIMENSIONAL SPECIAL LAGRANGIAN GEOMETRY

Qianqian Kang

In this paper, we construct a Monge-Ampère type operator in 2-dimensional special Lagrangian geometry based on the calibrated geometry developed by Harvey and Lawson. We give a special Lagrangian version of the Chern-Levine-Nirenberg estimate for complex Monge-Ampère operator, which enables us to define the Monge-Ampère type operator on continuous ϕ -plurisubharmonic functions on a domain in \mathbb{C}^2 . (pp. 449-462)

THE FRACTIONAL $(D_\xi^\alpha G/G)$ -EXPANSION METHOD AND ITS APPLICATIONS FOR SOLVING FOUR NONLINEAR SPACE-TIME FRACTIONAL PDES IN MATHEMATICAL PHYSICS

Elsayed M. E. Zayed, Yasser A. Amer, Reham M. A. Shohib

The fractional $(D_\xi^\alpha G/G)$ -expansion method is applied in this article to find the exact traveling wave solutions with parameters for four nonlinear space-time fractional partial differential equations (PDEs), namely the space-time fractional Potential Kadomtsev-Petviashvili (PKP) equation, the space-time fractional symmetric regularized long wave (SRLW) equation, the space-time fractional Sharma-Tasso Olver (STO) equation and the space-time fractional Kolmogorov-Petrovskii-Piskunov (KPP) equation. When these parameters are taken special values, we obtain three types of solutions via the solitary, trigonometric and rational solutions. Comparison between our recent results and the well-known results is given. The solutions of these equations with numerical simulations are presented. (pp. 463-482)

ROUGH FUZZY (FUZZY ROUGH) STRONG h -IDEALS OF HEMIRINGS

Jianming Zhan, Qi Liu, Hee Sik Kim

By means of Dubois and Prade's idea, we apply rough fuzzy sets and fuzzy rough sets to algebraic structures. The concepts of rough fuzzy strong h -ideals (rough fuzzy prime ideals) and fuzzy rough strong h -ideals (fuzzy rough prime ideals) of hemirings are introduced, respectively. The relationships between them are investigated. Some characterizations of these two kinds of rough set theory of hemirings are explored. (pp. 483-496)

ON FUZZY SOFT GRAPHS

Muhammad Akram, Saira Nawaz

Fuzzy sets and soft sets are two different soft computing models for representing vagueness and uncertainty. We apply these soft computing models in combination to study vagueness and uncertainty in graphs. We introduce the notions of fuzzy soft graphs, strong fuzzy soft graphs, complete fuzzy soft graphs, regular fuzzy soft graphs, and investigate some of their properties. (pp. 497-514)

A NOTE ON THE TRIPARTITE RAMSEY NUMBERS $r_t(C_4; 2)$ AND $r_t(C_4; 3)$

S. Buada, D. Samana, V. Longani

The k -colored tripartite Ramsey numbers $r_t(G; k)$ is the smallest positive integer n such that any k -coloring of lines of a complete tripartite graph $K_{n,n,n}$ there always exists a monochromatic subgraph isomorphic to G . The values of $r_t(C_4; 2) = 3$, and $r_t(C_4; 3) = 7$ are discussed in the article *The tripartite Ramsey numbers $r_t(C_4; 2)$ and $r_t(C_4; 3)$* of the Italian Journal of Pure and Applied Mathematics, n. 33-2014. However, there are our technical mistakes on three figures of the article. In this note we correct these mistakes. (pp. 515-517)