

## Generalized N Fuzzy Ideals In Semigroups

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### Generalized N Fuzzy Ideals In

generalized N-fuzzy bi-ideal of S if for all  $x, y, z \in S$ ,  $A(xyz) \wedge \lambda \leq A(x) \vee A(z) \vee \mu$ . If A is both a  $(\lambda, \mu)$ -generalized N-fuzzy bi-ideal and an anti  $(\lambda, \mu)$ -N-fuzzy subsemigroup of S, then A is called a  $(\lambda, \mu)$ -N-fuzzy bi-ideal of S Definition 2.3 Let A be a  $(\lambda, \mu)$ -N-fuzzy subsemigroup of S. Then A is

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Kuroki (Kuroki, 1981) initiated the notion fuzzy ideals, bi-ideals, quasi-ideals of semigroups. The book by Mordeson (Mordeson, Malik & Kuroki, 2003), deals with the theory of fuzzy semigroups and their use in fuzzy coding, fuzzy finite state machines and fuzzy languages.

### **On More Generalized Fuzzy Interior Ideals in Semigroup ...**

CiteSeerX - Document Details (Isaac Councill, Lee Giles, Pradeep Teregowda): In this paper, the concepts of  $(\lambda, \mu)$ -N-fuzzy bi-ideal and  $(\lambda, \mu)$ -N-fuzzy quasi-ideal were introduced which can be regarded as a generalization of common correspondence concepts, and some properties of  $(\lambda, \mu)$ -N-fuzzy bi-ideal and  $(\lambda, \mu)$ -N-fuzzy quasi-ideal were discussed.

### **CiteSeerX — Generalized N-Fuzzy Ideals in Semigroups**

The paper examines the generalized rough fuzzy ideals of quantales. There are some intrinsic relations between fuzzy prime (primary) ideals of quantales and generalized rough fuzzy prime (primary) ideals of quantales. Homomorphic images of “generalized rough ideals, generalized rough prime (primary) ideals, and generalized rough fuzzy prime (primary) ideals” which are incited by quantale homomorphism are examined.

### **Generalized Rough Fuzzy Ideals in Quantales**

In this paper, we introduce the concepts of generalized fuzzy  $\mathbb{R}$ -ideals and fuzzy  $\mathbb{R}$ -ideals of semigroups, and study their related properties by fuzzy points. Identifiers . book ISBN : 978-1-4577-2120-5 book e-ISBN : 978-0-7695-4608-7 DOI 10.1109/ISdea.2012.737: Authors . Close. User assignment Assign yourself or invite other person as author. ...

### **Generalized Fuzzy alpha-ideals and Fuzzy alpha-ideals in ...**

Let  $A$  be a proper  $(\in, \in)$ -fuzzy interior ideal of  $S$  with  $\text{Im}(A) = \{t_0, t_1, \dots, t_n\}$ , where  $t_0 > t_1 > \dots > t_n$  and  $n \geq 2$ . Then  $U(A; t_0) \subseteq U(A; t_1) \subseteq \dots \subseteq U(A; t_n) = S$  is the chain of  $\in$ -level interior

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ideals of A .

## **Generalized fuzzy interior ideals in semigroups ...**

As a natural consequence, the idea of soft ideals of a soft semigroup originates. Soft ideals over a semigroup with a fixed set of parameters form a distributive lattice. Soft sets are a very handy tool. Soft ideals over a semigroup characterize generalized fuzzy ideals and fuzzy ideals with thresholds of S.

## **SOFT IDEALS AND GENERALIZED FUZZY IDEALS IN SEMIGROUPS ...**

The notions of  $(2,2_q)$ -fuzzy BCI-positive implicative (resp., BCI- implicative, BCI-commutative) ideals in BCI-algebras are introduced, and re- lated properties are investigated. Some...

## **(PDF) Generalized Fuzzy Ideals of BCI-Algebras**

Generalized roughness for fuzzy ideals in hemirings is studied. Approximations for fuzzy prime ideals are discussed. It is shown that generalized lower approximation as well as generalized upper approximation of  $\alpha$ -fuzzy prime (semiprime, respectively) ideals of hemirings are  $\alpha$ -fuzzy prime (semiprime, respectively) ideals.

## **Generalized roughness in $\alpha$ -fuzzy ideals of hemirings**

Inspired by these outstanding findings, based on Yin and Zhan and Ma et al. idea, we introduce a more generalized form of  $(\alpha, \beta)$ -fuzzy generalized bi-ideals called  $(\alpha, \beta)$ -fuzzy generalized bi-ideals of an ordered semigroup S, where  $\alpha, \beta \in \{\in \gamma, q \delta, \in \gamma \wedge q \delta, \in \gamma \vee q \delta\}$  with  $\alpha \neq \in \gamma \wedge q \delta$  and discuss several ...

## **A Novel Approach toward Fuzzy Generalized Bi-Ideals in ...**

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### **Generalized Fuzzy Interior Ideals in Abel Grassmann's ...**

ZHAN Jian-ming, et al. Generalized fuzzy ideals of near- $r$  rings 345 (i) if  $J = (0, 1]$ , then  $\mu$  is an ordinary fuzzy subnear-ring (ideal) of  $R$  (Theorem 1.3); (ii) if  $J = (0, 0.5]$ , then  $\mu$  is ...

### **(PDF) Generalized fuzzy ideals of near-rings**

GENERALIZED FUZZY BI-IDEALS OF TERNARY SEMIGROUPS 443 Theorem 3.3. Every  $S$ -norm  $S$  satisfies the inequality  $SD(x;y) \leq S(x;y) \leq SM(x;y)$ ; for all  $x;y \in [0;1]$ : Proof. By Theorem 3:2, we have  $TM(x;y) > T(x;y) > TD(x;y)$ , for all  $x;y \in [0;1]$ ,  $1 \leq TM(x;y) \leq 1 \leq T(x;y) \leq 1 \leq TD(x;y)$ . By Theorem 3:1,  $SM(x;y) \leq S(x;y) \leq SD(x;y)$ , for all  $x;y \in [0;1]$  Hereafter,  $R$  denotes a ternary semigroup and  $S$  denotes  $S$ -norm on ...

### **ON GENERALIZED FUZZY GENERALIZED FUZZY BI-IDEALS OF ...**

In [26, 27], S.K. Sardar, B. Davvaz, S.K. Majumder and S. Kayal introduced the concept of generalized fuzzy subsemigroup and generalized fuzzy bi-ideal, generalized fuzzy ideals in a  $\Gamma$ -semigroup. The purpose of this paper is as stated in the abstract. 2.

### **ON GENERALIZED FUZZY INTERIOR IDEALS IN $\Gamma$ -SEMIGROUPS**

In the present paper, we substituted a universe set by a quantale and introduced the notions of generalized rough fuzzy prime (semiprime, primary) ideals in quantale. We see that the lower and upper approximations of fuzzy ideals, using SSV-Hom, are fuzzy ideals, respectively.

### **Generalized Rough Fuzzy Ideals in Quantales. - Free Online ...**

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In Section 4, we introduce the notion of  $\sigma$ -generalized ideal, therefore, a characterization of this special kind of ideals is shown to be a fuzzifying topology generated by some fuzzy preorder. Also, we study the relations between preideals and generalized topological structures, for example, I-topologies, fuzzifying topologies, and I-fuzzy topologies.

### **Connecting Fuzzifying Topologies and Generalized Ideals by ...**

This paper has explored theoretical methods of evaluation in the identification of the boundedness of the generalized fuzzy gamma ideals. A functional approach was used to undertake a characterization of this structure leading to a determination of some interesting gamma hemirings theoretic properties of the generated structures.

### **Characterization of hemirings by fuzzy -ideals**

and applications. Particularly, many authors have applied fuzzy sets to generalized the basic theories of various algebraic structures. In 1971, Rosenfeld [23] first applied fuzzy sets to group structures, and he initiated a novel notion called fuzzy subgroups. The theory of fuzzy semigroups and fuzzy ideals in semigroups was introduced by

### **RIGHT WEAKLY REGULAR SEMIGROUPS CHARACTERIZED BY THEIR ...**

The notion of  $(m,n)$ -ideals of semigroups was introduced by S. Lajos. Later  $(m,n)$  quasi-ideals and  $(m,n)$  bi-ideals and generalized  $(m,n)$  bi-ideals were studied in various algebraic structures viz. semigroups, rings, involution rings, regular semigroups, regular rings etc.

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