Fuzzy Dot Ideals And Fuzzy Dot H Ideals Of Bch Algebras

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Then ‘ is a fuzzy dot ideal of . Note that every fuzzy ideal of is a fuzzy dot ideal of , but the converse is not necessarily true. In fact, the fuzzy dot ideal ‘ of the example 5.1 is not a fuzzy ideal, since ‘ (6)=0.4 0.5=min {0.5,0.6}=min{ ‘ ( ), ‘ (1)}=min{ ‘ ( ), ‘ (6)}. Proposition 5.1.

Fuzzy Dot Subalgebras and Fuzzy Dot Ideals of Distributive ...

The notions of fuzzy dot ideals and fuzzy dot H-ideals in BCH-algebras are introduced, several appropriate examples are provided, and their some properties are investigated.

Fuzzy dot ideals and fuzzy dot H-ideals of BCH-algebras

In this section , fuzzy dot ideals of algebras are defined and studied some of its results. 5.1 Definition Let be a fuzzy set in a algebra Then is called a fuzzy dot ideal of if it satisfies ( ) ( ) Vol-3 Issue-4 2017 IJARIIE -ISSN (O) 2395 4396 6199 www.ijariie.com 1623 ...

FUZZY DOT SUBALGEBRAS AND FUZZY DOT IDEALS OF ALGEBRAS

fuzzy implicative ideals, fuzzy s ubalgebras and fuzzy normal subalgebras o f distributive implication groupoids. In this paper, the notions of fuzzy dot subalgebras,

fuzzy normal

(PDF) Fuzzy Dot Subalgebras and Fuzzy Dot Ideals of ...
In this paper, we introduce the concept of kernel fuzzy ideals and -fuzzy filters of a pseudocomplemented semilattice and investigate some of their properties. We observe that every fuzzy ideal cannot be a kernel of a -fuzzy congruence and we give necessary and sufficient conditions for a fuzzy ideal to be a kernel of a ⁎-fuzzy congruence.

Fuzzy Ideals and Fuzzy Filters of Pseudocomplemented ...
Let A and B On fuzzy ideals and fuzzy bi-ideals 213 be any left ideal of S and ab (a ~A, beB) be any element of AB. Then the characteristic function `sLtb,~l of the left ideal L [ba] is a fuzzy left ideal of S by Lemma 2.1. And since ba ~ L [ba], we have `s Ltba l (ab) = `s Ltba j (ba)= 1.

On fuzzy ideals and fuzzy bi-ideals in semigroups ...
Lemma 7. Let S be a semigroup, m , n be positive integers, f be a fuzzy (m , n)-ideal and g be a fuzzy subset of S. If f \circ g \subseteq f or g \circ f \subseteq f, then the following statements hold: 1. f \circ g is a fuzzy (m , n)-ideal of S. 2. g \circ f is a fuzzy (m , n)-ideal of S.

Fuzzy (m , n)-ideals in semigroups | SpringerLink
Are you searching for high-quality children's blankets online? Look no further than the plush Minky blankets from Fuzzie Dot™! We proudly offer several animal blankies, and whether you are looking for a pig baby blanket or a puppy baby blanket, you'll find it here. Shop our online store now!

Fuzzie Dot - Buy Your Adorable, Plush Kid's Blanket ...
In this paper, the notions of fuzzy dot subalgebras is introduced together with fuzzy normal dot subalgebras and fuzzy dot ideals of B G-algebras.The homomorphic image and inverse image are investigated in fuzzy dot subalgebras and fuzzy dot ideals of B G-algebras.Also, the notion of fuzzy relations on the family of fuzzy dot subalgebras and fuzzy dot ideals of B G-algebras are introduced with ...

Fuzzy Dot Structure of BG-algebras - ScienceDirect
Let μ be a fuzzy set inX. Then μ is called a fuzzy dot. BCK-subalgebra (algebra) of X if. μ (x y)≥ μ (x). μ (y) for allx,y ∈ X. Example 2.2. LetX={0,a,b,c}be a set with the following table: 0ab c. 0 0ab c a a0cb b bc0a c cba0 Then (X, ,0) is aBCI-algebra. De fi ne a fuzzy set μ :X →[0,1] by μ (0) = 0.5, μ (x)=0.7 for allx ∈ {a,b,c}.

Fuzzy Dot BCK/BCI-Algebras - Semantic Scholar
The concept of (∈, ∈ ∨q)-interval-valued fuzzy dot d-ideals in dalgebras is introduced. Relationship among interval-valued fuzzy dideal, interval-valued fuzzy dot d-ideal, (∈, ∈)-interval-valued fuzzy dideal,(∈, ∈)-interval-valued fuzzy dot d-ideal, and (∈, ∈ ∨q)-intervalvalued fuzzy dot d-ideals are discussed. Conditions for an intervalvalued fuzzy d-ideal to be an ...

Vq)-Interval-Valued Fuzzy Dot d-Ideals of d-Algebras
The relations among fuzzy ideal, fuzzy H-ideal, fuzzy dot ideal and fuzzy dot H-ideals in BCH-algebras are discussed, several equivalent depictions of fuzzy dot ideal are obtained. How to deal with the homomorphic image and inverse image of fuzzy dot ideals (fuzzy dot H-ideals) are studied.

Fuzzy dot ideals and fuzzy dot H-ideals of BCH-algebras ...
An -fuzzy ideal of a poset is called proper, if , where is the largest element in . Definition 9. A proper -fuzzy ideal of a poset is called an -fuzzy prime, if, for any , Definition 10. A proper -fuzzy ideal of a poset is said to be maximal if is a maximal element in the set of all proper -fuzzy ideals of . 3.

-Fuzzy Semiprime Ideals of a Poset
The concept of ($\in, \in \vee q$)-interval-valued fuzzy dot d-ideals in d-algebras is introduced. Relationship among interval-valued fuzzy d-ideal, interval-valued fuzzy dot d-ideal, ($\in, \in$)-interval-valued fuzzy d-ideal,($\in,

(PDF) (\in, \in \vee q)-Interval-valued Fuzzy Dot d-ideals ...
Valued Fuzzy Dot d-Ideals of d-Algebras Since $\Lambda(\varepsilon)$ and $\Delta(\varepsilon)$ are both fuzzy left ideals over S, and the intersection of two fuzzy left ideals is a fuzzy left ideal, this implies that $\Theta(\varepsilon)$ is a fuzzy left ideal over S. Therefore (Λ, Σ) ˜ (Δ, Ω) is a fuzzy soft left ideal over S. 4. Fuzzy Dot Ideals And Fuzzy Dot H Ideals Of Bch ...

Fuzzy Dot Ideals And Fuzzy Dot H Ideals Of Bch Algebras
<section class="abstract"><h2 class="abstractTitle text-title my-1" id="d168e2">Abstract</h2><p>In this paper, we generalize the notion of principal ideal (resp ...

Principal Intuitionistic Fuzzy Ideals and Filters on a ...
The notions of hesitant fuzzy soft subalgebras and (closed) hesitant fuzzy soft ideals are introduced, and related properties are investigated. Relations between a hesitant fuzzy soft subalgebra and a (closed) hesitant fuzzy soft ideal are discussed. Conditions for a hesitant fuzzy soft set to be a hesitant fuzzy soft subalgebra are given, and ...

Hesitant Fuzzy Soft Subalgebras and Ideals in BCK/BCI ...
$x+a+z=y+b+z \rightarrow (y1+\mu)(x) \geq \mu(a) \wedge \mu(b)$. Note that if μ is a fuzzy strong h-ideal of S, then $\mu(0) \geq \mu(x)$. Example 4 . Let S= {0, a, b, c} be a set with an addition operation (+) and a multiplication operation (·) as follows: (4) Define a fuzzy set μ in Sby $\mu(0) = \mu(a) = 0.6$, $\mu(b) = \mu(c) = 0.5$.

On Fuzzy Congruences and Fuzzy Strong h-Ideals of Hemirings
In this paper, the concept Tripolar fuzzy sub implicative ideals of KU-algebras are introduced and several properties are investigated. Also, the relations between Tripolar fuzzy sub implicative ideals and Tripolar fuzzy ideals are given. The image and the preimage of Tripolar fuzzy sub implicative ideals under homomorphism of KU-algebras are defined and how the image and the preimage of Tripolar fuzzy sub implicative ideals under homomorphism of KU-algebras

become Tripolar fuzzy sub ...

“ Neutrosophic Sets and Systems ” has been created for publications on advanced studies in neutrosophy, neutrosophic set, neutrosophic logic, neutrosophic probability, neutrosophic statistics that started in 1995 and their applications in any field, such as the neutrosophic structures developed in algebra, geometry, topology, etc.

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In this paper, we introduce the idea of neutrosophic cubic translation (NCT) and neutrosophic cubic multiplication (NCM) and provide entirely new type of conditions for neutrosophic cubic translation and neutrosophic cubic multiplication on BF-algebra.

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“ Neutrosophic Sets and Systems ” has been created for publications on advanced studies in neutrosophy, neutrosophic set, neutrosophic logic, neutrosophic probability, neutrosophic statistics that started in 1995 and their applications in any field, such as the neutrosophic structures developed in algebra, geometry, topology, etc. Some articles in this issue: Neutrosophic Soft Fixed Points, Selection of Alternative under the Framework of Single-Valued Neutrosophic Sets,

Application of Single Valued Trapezoidal Neutrosophic Numbers in Transportation Problem.

The purpose of this book is to present an up to date account of fuzzy ideals of a semiring. The book concentrates on theoretical aspects and consists of eleven chapters including three invited chapters. Among the invited chapters, two are devoted to applications of Semirings to automata theory, and one deals with some generalizations of Semirings. This volume may serve as a useful hand book for graduate students and researchers in the areas of Mathematics and Theoretical Computer Science.

The use of fuzzy logic has become prominent in a variety of fields and applications. By implementing these logic sets, problems and uncertainties are more effectively resolved. Emerging Research on Applied Fuzzy Sets and Intuitionistic Fuzzy Matrices is a pivotal reference source for the latest scholarly perspectives on the interdisciplinary use of fuzzy logic theory, focusing on the application of sets and matrices. Highlighting theoretical framework and empirical research findings, this book is ideally designed for academics, practitioners, upper-level students, and professionals interested in an innovative overview of fuzzy logic sets and matrices.

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