

Fuzzy soft semigroups and fuzzy soft ideals - ScienceDirect

In particular we show that if μ and σ are fuzzy left (right) ideals of a ring R , then $\mu \times \sigma$ is a fuzzy left (right) ideal of $R \times R$ and conversely if $\mu \times \sigma$ is a fuzzy left (right) ideal of ...

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On fuzzy ideals and fuzzy hi-ideals 207 As is well-known [1, Lemma 2.13], if S is a regular semigroup, then $L[a] = Sa$ for every $a \in S$. A semigroup S is called right (left) zero if $xy = y$ ($xy = x$) for all $x, y \in S$. Then we have the following. Theorem 3.9. For a regular semigroup S the following conditions are equivalent. (1) The set of all ...

On fuzzy ideals and fuzzy bi-ideals in semigroups ...

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 ...

By using the concept of $(\in, \in \vee q)$ -fuzzy ideals, Shabir, Jun and Nawaz (Shabir, Jun & Nawaz, 2010a) characterized regular semigroup. Khan, Sarmin, Khan and Khan (Khan, Sarmin, Khan & Khan, 2015) introduced the concepts of (α, β) -fuzzy bi-ideals and (α, β) -fuzzy bi-ideals of ordered semigroups and investigated some of its related properties.

On More Generalized Fuzzy Interior Ideals in Semigroup ...

concept of fuzzy dot ideals of BCK-algebras. In [12,13], Mostafa et al. applied the hyper structures to KU-algebras and introduced the concept.

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Conditions for an intervalvalued fuzzy d-ideal to be an $(\in, \in \vee q)$ -interval-valued fuzzy dot dideals are given. Some properties of interval-valued fuzzy relations and interval-valued fuzzy ideals under homomorphism are investigated.

Vq)-Interval-Valued Fuzzy Dot d-Ideals of d-Algebras

In this paper, the notions of fuzzy dot subalgebras is introduced together with fuzzy normal dot subalgebras and fuzzy dot ideals of BG-algebras. The homomorphic image and inverse image are...

(PDF) Fuzzy Dot Structure of BG-algebras

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Yin initiated the concepts of fuzzy dot ideals and fuzzy dot H-ideals of BCH-algebras in. In, Saeid et al. discussed fuzzy n-fold ideals in BCH-algebras. The concept of a BCH-algebra was initiated by Hu and Li in and gave examples of proper BCH-algebras.

ON SUB-IMPLICATIVE ()-FUZZY IDEALS OF BCH-ALGEBRAS

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 ...

In [18, 19], the idea of fuzzy ideals of Γ -groups was defined, and various properties such as fundamental theorem of fuzzy ideals and fuzzy congruence were studied, respectively. In the present paper, we extend the idea of Γ -fuzzy ideals of near-rings to the case of Γ -groups and introduce the idea of fuzzy cosets with some results.

A Study on Fuzzy Ideals of Γ -Groups

In this paper, the notions of fuzzy dot subalgebras, fuzzy normal dot subalgebras and fuzzy dot ideals of B-algebras are introduced and investigated some of their properties. The homomorphic image and inverse image of fuzzy dot subalgebras and fuzzy dot ideals are studied.

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