

ON FUZZY IDEALS OF PSEUDO MV-ALGEBRAS

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Abstract

Fuzzy ideals of pseudo MV-algebras are investigated. The homomorphic properties of fuzzy prime ideals are given. A one-to-one correspondence between the set of maximal ideals and the set of fuzzy maximal ideals μ satisfying $\mu(0) = 1$ and $\mu(1) = 0$ is obtained.

Keywords: pseudo MV-algebra, fuzzy (prime, maximal) ideal.

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