

ON FUZZY IDEALS OF PSEUDO *MV*-ALGEBRAS

GRZEGORZ DYMEK

Institute of Mathematics and Physics
University of Podlasie
3 Maja 54, 08-110 Siedlce, Poland
e-mail: gdymek@o2.pl

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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