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ON INTUITIONISTIC FUZZY POSITIVE IMPLICATIVE HYPER BCK-IDEALS OF HYPER BCK-ALGEBRAS

R. DURGA PRASAD[1], B. SATYANARAYANA[2], D. RAMESH[3] AND M. GNANESWARA REDDY[4]

[1 2 3] Department of Applied Mathematics,Acharya Nagarjuna University Campus, Nuzvid-521201, Krishna (District), Andhra Pradesh, India
[4]Department of Mathematics, Acharya Nagarjuna University Campus, Ongole - 523001, Andhra Pradsh, India

Abstract

In this paper, first we define the notions of intuitionistic fuzzy positive implicative hyper BCK-ideals of types-1, 2, 3 and 4. Then we present some theorems which characterize the above notions according to the level subsets. Also we obtain the relationship among these notions, intuitionistic fuzzy (strong, weak, reflexive) hyper BCK-ideals and intuitionistic fuzzy positive implicative hyper BCK-ideals of types-5, 6, 7 and 8.

Key Words : *Intuitionistic fuzzy (Strong, Weak, reflexive) hyper BCK-ideals, Intuitionistic fuzzy positive implicative hyper BCK-ideals of types-1, 2, 3, 4, 5, 6, 7 and 8.*

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