
INTUITIONISTIC FUZZY WEAKLY 2-ABSORBING IDEALS OF A LATTICE

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ABSTRACT

In this study, we investigate the notion of an intuitionistic fuzzy prime ideal and intuitionistic fuzzy weakly 2-absorbing ideal of a lattice as an expansion of a notion of a weakly prime ideal. Then, we characterize the concept of intuitionistic fuzzy weakly 2-absorbing ideals and intuitionistic fuzzy weakly primary ideals, and give some results of them. Finally, we suggest the concept of an intuitionistic fuzzy weakly 2-absorbing ideals in a product of lattices.

Keywords Lattice · Intuitionistic Fuzzy Ideal · Intuitionistic Fuzzy Weakly Prime Ideal · Intuitionistic Fuzzy 2-Absorbing Ideal

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