



ON UPPER FUZZY PRIME IDEAL OVER RINGS

Mourad Oq̄la Massa deh and Abedallah Daifallah Al-Momany

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Abstract

In this paper, we study the definition of upper fuzzy prime ideal, T - upper fuzzy prime ideal and T - S -upper weakly fuzzy prime ideal proving the inclusion relationships that are satisfied among them. Examples are given showing that some relationship does not hold between these types of ideals. On the other hand, we use these definitions to study some properties, proposition and theorems.

Keywords and phrases: fuzzy sets, upper fuzzy subrings, upper fuzzy ideal, upper fuzzy prime ideal, level upper fuzzy subring, T -upper fuzzy prime ideal, T - S -upper weakly fuzzy prime ideal.

