Abstract

In 1965, Zadeh L.A. introduced the concept of fuzzy sets. Since that time many papers were introduced in different mathematical scopes of theoretical and practical application.

In 1975, Negoita and Relescu introduced the concept of fuzzy submodules and fuzzy modules.

In 1982, Liu W.J. introduced the concept of fuzzy ideals of a ring.

In this paper we shall give some basic properties a bout pure Fuzzy ideals in two sections.

Section one: we give the basic properties a bout Fuzzy set, Fuzzy ideal and some important properties we need it in next section.

Section two: we shall study the relation ship between pure fuzzy ideal and it"s level ideals. Also we study the homomorphic image and inverse image of a pure fuzzy ideal moreover we study the direct sum, intersection and union of ascending chain of pure fuzzy ideals.