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ON μ^*- CLOSED FUZZY SETS, FUZZY μ^* -CLOSED MAPS, FUZZY μ^* - IRRESOLUTE MAPS AND μ^* -HOMEOMORPHISM MAPPINGS IN FUZZY TOPOLOGICAL SPACES

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Abstract

The aim of this paper is to introduce a new class of fuzzy sets, namely μ^*-closed fuzzy sets for fuzzy topological spaces. This class is a super class of class of the closed fuzzy sets. We introduce and study new space namely fuzzy cT μ^*-spaces and μT μ^*-spaces. Further, the concept of fuzzy μ^*-continuous, fuzzy μ^*-irresolute mappings, fuzzy μ^*- closed maps, fuzzy μ^*-open maps and fuzzy μ^*-homeomorphism in fuzzy topological spaces are also introduced, studied and some of there properties are obtained.

Key Words and Phrases : μ^*-closed fuzzy sets, f μ^*-continuous, f μ^*-irresolute, f μ^*-open, f μ^*-closed mappings and f μ^*--homeomorphism.

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