ON FUZZY $g\mu$ - CLOSED MAPS, FUZZY $g\mu$ -CONTINUOUS MAPS AND FUZZY $g\mu$ - IRRESOLUTE 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 $g\mu$ -closed fuzzy sets for fuzzy topological spaces. This new class is properly lies between the class of closed fuzzy sets and the class of g-closed fuzzy sets. We also introduce and study some new spaces, namely fuzzy cT $g\mu$-spaces, fuzzy gT $g\mu$-spaces, as applications of $g\mu$-closed fuzzy sets, the concept of fuzzy $g\mu$ -continuous, fuzzy $g\mu$-irresolute mappings, fuzzy $g\mu$ -closed maps, fuzzy $g\mu$ -open maps and fuzzy $g\mu$ -homeomorphism in fuzzy topological spaces are also introduced, studied and some of there properties are obtained.

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