

ON $g\#$ - SEMI - CLOSED FUZZY SETS AND $g\#$ - SEMI - OPEN FUZZY SETS IN FUZZY TOPOLOGICAL SPACES

SADANAND N. PATIL

Abstract

In this paper, the class of $g\#s$ - closed fuzzy sets are introduced. This class properly placed in between the class of semi - closed fuzzy sets and the class of gs - closed fuzzy sets in fuzzy topological spaces. Further, the concept of $g\#s$ – open fuzzy sets, fuzzy $g\#s$ - closure and fuzzy $g\#s$ - interior fuzzy sets in fuzzy topological spaces are also introduced, studied and some of their properties are obtained.

Key Words and Phrases : $g\#s$ - closed fuzzy sets, $g\#s$ -open fuzzy sets, fuzzy $g\#s$ - closure and fuzzy $g\#s$ - interior.

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