

NEUTROSOPHIC WEAKLY SEMI CONTINUOUS FUNCTIONS

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Abstract: In this paper, we introduce the concept of neutrosophic weakly semi continuous, neutrosophic regular semi q -neighbourhood in neutrosophic topological spaces. Moreover, we investigate the relationship among neutrosophic weakly semi continuous and other existing continuous functions and some counter examples to show that these types of mappings are not equivalent.

Keywords and Phrases: $NWSC$, NS - q -nbd, N -retracts, NS -retracts, NS -quasi Urysohn space, NS -Hausdorff space.

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1. Introduction

The study of fuzzy sets was initiated by Zadeh [23] in 1965. Thereafter the paper of Chang [4] paved the way for the subsequent tremendous growth of the