On Fuzzy δ-I-Open Sets and Decomposition of Fuzzy α-I-continuity

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Abstract: We introduce the notions of fuzzy δ-I-open sets and fuzzy semi δ-I-continuous functions in fuzzy ideal topological space and investigate some of their properties. Additionally, we obtain decompositions of fuzzy semi-I-continuous functions and fuzzy α-I-continuous functions by using fuzzy δ-I-open sets.

Key words: Fuzzy δ-I-open sets, fuzzy semi δ-I-continuity, fuzzy α-I-continuity