



AN ALGORITHMIC APPROACH FOR SHORTEST PATH PROBLEM BY POSSIBILITY MEASURE WITH TYPE-2 FUZZY NUMBER

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ABSTRACT

Type-2 fuzzy sets are a generalization of the ordinary sets in which each type-2 fuzzy set is characterized by a fuzzy membership function. In this paper we proposed an algorithm for finding shortest path and shortest path length using possibility measure based on extension principle. In a network each edge have been assigned as discrete type-2 fuzzy number.

KEYWORDS: Type-2 Fuzzy Number Possibility Measure Discrete Type-2 Fuzzy Number Extension Principle