

STANDARD DEVIATION METHOD FOR SOLVING FUZZY ASSIGNMENT PROBLEM

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ABSTRACT

Assignment Problem is universally used to solve real valued problems. In this paper, the values of the Fuzzy Assignment Problem are considered as Triangular fuzzy numbers. First, the triangular fuzzy numbers are converted into crisp values using standard deviation method. Then, the optimum schedule of the Fuzzy Assignment Problem is obtained, by usual Hungarian Method. This approach is illustrated by a numerical example.

KEYWORDS: *Fuzzy Sets, Fuzzy Triangular Numbers, Fuzzy Assignment Problem, Hungarian Method, Standard Deviation Method*