OPTIMAL SOLUTION TO FULLY FUZZY TIME COST TRADE OFF PROBLEM

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ABSTRACT

Time Cost Trade Off problem is one of the main aspects of project scheduling. The Method of solving these kinds of problems requires a scheduling with more stability against environmental variations. In this paper, we propose a new solution procedure for time cost trade off problem in which both times and costs are fuzzy. By using a modified subtraction we propose a method for finding an optimal duration by crashing the fuzzy activities of a project network without converting the fuzzy activity times and costs to classical numbers. Finally, illustrative examples are provided to demonstrate the efficiency of the proposed method.

KEYWORDS: Project Scheduling, Time Cost Trade Off, Triangular Fuzzy Number

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