عنوان مقاله:

On solving linear programming problems with triangular intuitionistic fuzzy variables

محل انتشار:

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خلاصه مقاله:

The aim of this paper is to introduce a formulation of linear programming problems involving triangular intuitionistic fuzzy numbers for the decision variables and the right hand side of the constraints. We propose a new method for solving this kind of FLP problems based on comparison of intuitionistic fuzzy numbers by the help of linear accuracy function. To do this, we first define an auxiliary problem, having only triangular intuitionistic fuzzy cost coefficients, and then study the relationships between these problems leading to a solution for the primary problem. The proposed method is illustrated with a numerical example.

کلمات کلیدی:

Triangular intuitionistic fuzzy numbers, Intuitionistic fuzzy variable linear programming, Accuracy function.

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