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SOLVING LINEAR PROGRAMMING PROBLEM WITH GENERALIZED INTUITIONISTIC TRAPEZOIDAL FUZZY NUMBERS

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Abstract

In this article, a new generalized simplex algorithm to solve the linear programming problems with the aid of generalized intuitionistic trapezoidal fuzzy number (GITrFN) is proposed. New arithmetic operations on GITrFNS are defined to develop the proposed notion. A relevant numerical example to illustrate the discussed notion is also included.

Key Words : *Fuzzy linear programming problem, Ranking function, Generalized intuitionistic trapezoidal fuzzy numbers.*

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