

عنوان مقاله:

A dual Approach for Solving Bounded Linear Programming with Symmetric Trapezoidal Fuzzy Numbers

محل انتشار:

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خلاصه مقاله:

Fuzzy linear programming (FLP), as an application of fuzzy set theory in linear decision making problems, has been allocated to itself a wide variety of research in operation research field. In this study, the existing algorithms for solving a special type of linear programming problems with fuzzy parameters are reviewed. The FLP problem here involves the symmetric trapezoidal fuzzy numbers for decision variables, the coefficients of decision making in the objective function and the right-hand-side of the constraints. It is assumed all of decision variables are restricted to lie within fuzzy lower and fuzzy upper bounds. A solution approach is proposed to obtain the fuzzy optimal solution of the same problem based on duality results.

کلمات کلیدی:

Fuzzy linear programming, Fuzzy numbers, Duality theory

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