Abstract

In this paper a ranking Procedure based on Hexagonal Fuzzy numbers, is applied to a Multi-objective Linear programming problem (MOLPP) with fuzzy coefficients. By this ranking method any Multiobjective Fuzzy Linear Programming problem (MOFLPP) can be converted in to a crisp value problem to get an optimal solution. This method provides an insight for the planner due to uncertain environment in an organizational Economics. In an organization, where a number of alternatives and variables such as production, inventory, financial management, costing and various other parameters are involved, this ranking procedure serves as an efficient method wherein a numerical example is also taken and the inference is given.

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Index Terms

Computer Science 

Applied Mathematics
Keywords

Ranking  Hexagonal fuzzy numbers  MOFLPP  Decision making.