

A Fuzzy Goal Programming Approach to Multi-Objective Transportation Problems

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Abstract

Transportation problem is one of the most widely used operations research tools and has been a decision making aid in almost all manufacturing industries and service organizations. This paper focuses on multi-objective transportation problems (MOTPs). To deal with MOTPs, a new approach based on fuzzy goal programming is suggested. In fact, the proposed approach considers each objective function as a fuzzy goal. Then a solution to MOTP obtains using a method developed in [4,5] interactively. The performance of the proposed approach is evaluated by comparing its result with that of some existing methods in [1,2,3]. Indeed, the proposed approach can be implemented easily during the interactive procedure and its solution is better than some of the other methods presented in [1].

References

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