

## Sensitivity Analysis in Fuzzy Linear Programming Problems

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**Abstract :** Fuzzy set theory has been applied to many fields, such as operations research, control theory, and management sciences. In this paper, we consider two classes of fuzzy linear programming (FLP) problems: Fuzzy number linear programming and linear programming with trapezoidal fuzzy variables problems. We state our recently established results and develop fuzzy primal simplex algorithms for solving these problems. Finally, we give illustrative examples.

**Keywords :** fuzzy linear programming, fuzzy numbers, duality, sensitivity analysis

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