

## عنوان مقاله:

Solving Fuzzy Linear Programming Problem by Interior Point Method

## محل انتشار:

دوازدهمین کنفرانس بین المللی انجمن ایرانی تحقیق در عملیات (سال: 1398)

تعداد صفحات اصل مقاله: 3

## نویسندگان:

M Ranjbar - *Department of Mathematics, University of Mazandaran, Babolsar, Iran*

Z Akbari - *Department of Mathematics, University of Mazandaran, Babolsar, Iran*

S.H. Nasser - *Department of Mathematics, University of Mazandaran, Babolsar, Iran*

## خلاصه مقاله:

In this article we consider a linear programming problem where the objectives are fuzzy functions (fuzzy valued functions). various methods have been developed for solving linear programming problems with fuzzy number, such as simplex method and dual simplex method. But their computational complexities are exponential, which is not satisfactory for solving large scale fuzzy linear programming problems, especially in the engineering field. A new method which can solve large-scale fuzzy number linear programming problems is presented in this paper, which is named a revised interior point method. Its idea is similar to that of interior point method used for solving linear programming problems in crisp environment before, but its feasible direction and step size are chosen by using trapezoidal fuzzy numbers, linear ranking function, fuzzy vector, and their operations.

## کلمات کلیدی:

Fuzzy linear programming, Interior point method, Ranking function

## لینک ثابت مقاله در پایگاه سیویلیکا:

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