

论文

A NEW METHOD FOR FINDING MAJOR EFFICIENT SOLUTIONS AND MAJOR OPTIMAL SOLUTIONS OF DISCRETE MULTI OBJECTIVE PROGRAMMING

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摘要 Major efficiency is an efficiency theory of multiobjective programming, which is based on the law of majority. For the case that the feasible region is a finite set, paper [3] gave a comparison-number method for finding major efficient solutions and major optimal solutions. This paper represents a new method to solve the same problem. The new method is based on a concept of efficient equivalence point set. We give the definition of efficient equivalence point set, discuss the relationship between it and major efficiency, and present a new approach to find major efficient (optimal) solutions.

关键词 [Multiobjective programming, efficient e](#)

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Abstract Major efficiency is an efficiency theory of multiobjective programming, which is based on the law of majority. For the case that the feasible region is a finite set, paper [3] gave a comparison-number method for finding major efficient solutions and major optimal solutions. This paper represents a new method to solve the same problem. The new method is based on a concept of efficient equivalence point set. We give the definition of efficient equivalence point set, discuss the relationship between it and major efficiency, and present a new approach to find major efficient (optimal) solutions.

Key words [Multiobjective programming](#) [efficient equivalence point set](#) [major efficient solution](#) [major optimal](#)

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