

A Method for Solving Multicriteria Discrete Optimization Problem: Application in Vehicle Routing Problem in Extreme Environment

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Annotation:

The paper deals with the vehicle routing problem (VRP) in extreme environment, which is reduced to the bicriteria partitioning problem. The issues of finding weakly efficient (Sleiter) and efficient (Pareto) solutions using ε -constraint method are considered. Branch and bound type algorithm is implemented and its effectiveness is shown.