

A note on the computation of extreme non-dominated solutions in order concerning the bi-criteria minimum spanning tree problems

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Abstract

This paper presents a new procedure for computing the set of extreme non-dominated solutions of bi-criteria minimum spanning tree problems in order. The procedure is based on the systematic detection of edges that must be replaced in one efficient solution to obtain the adjacent one, in the criteria space. This new approach avoids solving unnecessary problems and makes use of previous computations.

Keywords: minimum spanning tree, extreme efficient solutions, combinatorial problems

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