Accepted Manuscript

New Genetic Algorithm Approach for the Min-Degree Constrained Minimum Spanning Tree

Rui Salgueiro, Ana de Almeida, Orlando Oliveira

PII: S0377-2217(16)30913-4
DOI: 10.1016/j.ejor.2016.11.007
Reference: EOR 14086

To appear in: *European Journal of Operational Research*

Received date: 21 July 2015
Revised date: 31 October 2016
Accepted date: 1 November 2016

Please cite this article as: Rui Salgueiro, Ana de Almeida, Orlando Oliveira, New Genetic Algorithm Approach for the Min-Degree Constrained Minimum Spanning Tree, *European Journal of Operational Research* (2016), doi: 10.1016/j.ejor.2016.11.007

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

ACCEPTED MANUSCRIPT

Highlights

- New approach for the Min-degree constrained minimum spanning tree problem.
- Uses a Genetic Algorithm strategy and proposes new tree vectorial representations.
- Efficiency improvement for the tree generation heuristic insuring feasibility.
- Tested on 'classical' graph instances. Performs very well for the harder instances.

ACCEPTED MANUSCRIPT

Download English Version:

https://daneshyari.com/en/article/4959774

Download Persian Version:

https://daneshyari.com/article/4959774

Daneshyari.com