Accepted Manuscript

# A minmax regret version of the time-dependent shortest path problem

Eduardo Conde, Marina Leal, Justo Puerto

PII: S0377-2217(18)30333-3
DOI: 10.1016/j.ejor.2018.04.030
Reference: EOR 15092

To appear in: *European Journal of Operational Research*

Received date: 7 April 2017
Revised date: 11 April 2018
Accepted date: 13 April 2018

Please cite this article as: Eduardo Conde, Marina Leal, Justo Puerto, A minmax regret version of the time-dependent shortest path problem, *European Journal of Operational Research* (2018), doi: 10.1016/j.ejor.2018.04.030

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**

- We study a new minmax regret shortest path model with position-dependent costs.
- Several uncertainty models on costs are considered.
- We provide a mixed integer formulation for the uncertainty interval case.
- The case of a polyhedron of uncertain parameters is solved by Benders decomposition.
- Constant factor approximations are obtained to initialize the above algorithm.

ACCEPTED MANUSCRIPT

Download English Version:

https://daneshyari.com/en/article/6894539

Download Persian Version:

https://daneshyari.com/article/6894539

Daneshyari.com