

Accepted Manuscript

A simulated annealing algorithm for the capacitated vehicle routing problem with two-dimensional loading constraints

Lijun Wei, Zhenzhen Zhang, Defu Zhang, Stephen C.H. Leung

PII: S0377-2217(17)30766-X
DOI: [10.1016/j.ejor.2017.08.035](https://doi.org/10.1016/j.ejor.2017.08.035)
Reference: EOR 14654



To appear in: *European Journal of Operational Research*

Received date: 7 June 2016
Revised date: 13 August 2017
Accepted date: 20 August 2017

Please cite this article as: Lijun Wei, Zhenzhen Zhang, Defu Zhang, Stephen C.H. Leung, A simulated annealing algorithm for the capacitated vehicle routing problem with two-dimensional loading constraints, *European Journal of Operational Research* (2017), doi: [10.1016/j.ejor.2017.08.035](https://doi.org/10.1016/j.ejor.2017.08.035)

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.

Highlights

- This paper jointly considers the vehicle routing and loading.
- The versions with item rotation are studied, and the benefits are investigated.
- A new open space based packing method is proposed.
- An efficient data structure to record the loading information is developed.
- Simulated annealing with repeatedly cooling and rising of temperature is proposed.

ACCEPTED MANUSCRIPT

Download English Version:

<https://daneshyari.com/en/article/6895214>

Download Persian Version:

<https://daneshyari.com/article/6895214>

[Daneshyari.com](https://daneshyari.com)