Accepted Manuscript

Sequencing dual-spreader crane operations: Mathematical formulation and heuristic algorithm

Shabnam Lashkari, Yong Wu, Matthew E.H. Petering

PII: S0377-2217(17)30268-0
DOI: 10.1016/j.ejor.2017.03.046
Reference: EOR 14330

To appear in: *European Journal of Operational Research*

Received date: 15 January 2016
Revised date: 7 February 2017
Accepted date: 17 March 2017

Please cite this article as: Shabnam Lashkari, Yong Wu, Matthew E.H. Petering, Sequencing dual-spreader crane operations: Mathematical formulation and heuristic algorithm, *European Journal of Operational Research* (2017), doi: 10.1016/j.ejor.2017.03.046

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 introduce a new crane scheduling problem inspired by the unloading of a containership
- The problem is modeled as a mixed-integer linear program
- We develop a procedure for computing a lower bound on the optimal objective value
- A heuristic method is developed for handling large problem instances
- The heuristic produces solutions within 6% of optimal for all instance categories

ACCEPTED MANUSCRIPT

دریافت فوری ← متن کامل مقاله

ISIArticles
مرجع مقالات تخصصی ایران

✓ امکان دانلود نسخه تمام متن مقالات انگلیسی
✓ امکان دانلود نسخه ترجمه شده مقالات
✓ پذیرش سفارش ترجمه تخصصی
✓ امکان جستجو در آرشیو جامعی از صدها موضوع و هزاران مقاله
✓ امکان دانلود رایگان ۲ صفحه اول هر مقاله
✓ امکان پرداخت اینترنتی با کلیه کارت های عضو شتاب
✓ دانلود فوری مقاله پس از پرداخت آنلاین
✓ پشتیبانی کامل خرید با بهره مندی از سیستم هوشمند رهگیری سفارشات