

Efficient Trading Conditions for Foldable Containers at Railway Stations





Overview

Do foldable containers reduce repositioning costs?

In our ECR problem, the shipping company considers both transporting loaded containers and repositioning of empty containers over a planning horizon. Because empty repositioning incurs costs and consumes vessel capacity, foldable containers are used to reduce repositioning costs.

Can foldable containers be used in maritime transportation?

Computational results show that the proposed formulation performs well in terms of operating costs and there exists a significant cost-saving effect when foldable containers are used in maritime transportation. Previous article in issue Next article in issue Keywords OR in maritime industry Empty container repositioning Foldable container.

Does transport/repositioning cost affect a cost-saving effect with foldable containers?

With varying transportation and repositioning costs, we observe a tight performance gap and a significant cost-saving effect using foldable containers. Table 6. Computational results with different transport/repositioning costs. Empty Cell Empty Cell Expected Cost Time (s).

How to reduce the cost of repositioning empty containers?

There are many efforts to reduce the cost of repositioning empty containers, one of which is a foldable container. Foldable containers can be transported in a package such that a few folded containers occupy the same volume as one standard container.



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[An Empty Container Reposition Study with Foldable ...](#)

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[Foldable Containers to Reduce the Costs of Empty ...](#)

Aug 23, 2017 · Under these conditions, folding and unfolding the container (including complementary depot activities) should cost \$ 177 per roundtrip, in order to have equal chain ...



[\(PDF\) Economic benefits of deploying foldable containers: ...](#)

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Robust empty container repositioning considering foldable containers

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