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Yamsukoro Foldable Container Mixed Trade



Overview

Why are foldable containers not used in Asian ports?

Because of insufficiencies of empty containers at Asian ports, repositioning of foldable containers does not occur and foldable containers are used to transport goods from Asia to NA. In this case, the utilization of foldable containers decreases as folding and unfolding costs increase.

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.

Are foldable containers a good investment?

Despite high purchase costs and the additional folding and unfolding costs of foldable containers, foldable containers have advantages in the reduction of repositioning costs and saving in terms of storage space and vessel capacity.

Do commercialized foldable Containers save money?

The operating costs do not include fixed or purchase costs of the foldable containers, which may be very costly. Nevertheless, a considerable cost saving may be realized for using commercialized foldable containers. Table 4. Computational results using standard containers only with different holding costs.

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Abstract In order to solve the problem of empty container repositioning considered foldable containers, the key factors affecting the use of foldable containers are found out. The ...

We develop a mixed integer linear programming model to determine the optimal repositioning of empty containers via the intermodal transportation network. An Artificial

Bee Colony algorithm ...

This study considers the empty container repositioning problem of shipping companies that use standard and 3-in-1 foldable containers ...

Because of the extreme imbalance in intercontinental trade, the repositioning of empty containers creates a significant problem for shipping companies. There are many efforts

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The Ultimate Guide to Foldable Shipping Containers As global trade continues to expand, the shipping industry faces significant challenges, including rising costs, inefficiencies, ...

This study considers the empty container repositioning problem of shipping companies that use standard and 3-in-1 foldable containers with more advanced designs. A ...

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In this paper, the authors propose an empty container repositioning model in the intermodal transportation network of Belt and Road (B& R) Initiative by considering both standard and ...

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In this problem, special handling manners for operating foldable containers are incorporated for repositioning activities. We comprehensively analyzed numerical experiments ...

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