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Title: Off-line service quality for foldable containers

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Are foldable containers sustainable?

costs. Therefore, foldable containers can contribute to the sustainability of the shipping industry. Moon and Hong¹²) developed a mathematical model for repositioning both standard and foldable empty containers, which minimizes the total costs for transportation, inventory holding, handling,

Do foldable containers reduce total container management cost?

ore, introducing foldable containers contribute to the decrease of total container management cost. Moreover, the cost reduction effect in the case that foldable containers are u

How can the shipping time of empty container repositioning be reduced?

tal shipping time of empty container repositioning can be reduced by introducing foldable containers. This is because the introduction of foldable containers can effectively reduce the congestion of container repositioning in some links and the transshipment of empty containers

Are foldable containers a solution to empty containers?

empty containers is that they require the same spaces for transport and storage as full containers. To alleviate this problem, introducing foldable containers is a possible solution. Fig. 1 shows the folding process of a foldable container. Less space is required if an empty container is folded, leading

The results show that introducing foldable containers into empty container repositioning along a river can utilize vessel space more effectively and decrease the total cost for container ...

To guarantee a certain level of reliability in foldable container operations, this study focused on designing a reliable container network against facility failure for foldable containers.

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

However, their facilities are vulnerable to unfavorable events caused by disruptive events, and often experience complete failure in practice. To guarantee a certain level of reliability in foldable ...

the costs of container fleet management in liner shipping (Shintaniet al, 2012). Given that even with the perfect information systems to management & minimize the transportation movements ...

In this study, we developed a mathematical model for an integrated shipping net-work to investigate the impact of street-turn, depot-direct, using foldable containers, and container ...

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

Abstract This paper analyzes the effect of foldable containers in various circumstances. Recently, as a result of the COVID-19 pan-demic, many unexpected situations have arisen in the ...

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