

Origin Energy Road-Rail Intermodal Station Energy





Overview

How can intermodal transport network planning improve efficiency and energy consumption?

Transport network efficiency is linked to speed, capacity, and transship condition. Intermodal transport plays a crucial role in mitigating carbon emissions within the transportation sector. This study introduces an intermodal transport network planning scheme to optimize the efficiency and energy consumption across transport systems.

Is the origin-destination (OD) network intermodal?

The majority of the academic literature on hub location assumes no direct connections between non-hub nodes, therefore, the entire Origin-Destination (OD) pair's freight demand is transported only in an intermodal way. In these studies, competition between multiple modes, a real-world situation is not studied.

Is intermodal transportation a green mode?

Rail transportation system is a green mode that saves energy and reduces the negative impacts. Integrating road and rail systems, known as intermodal transportation, contributes to a sustainable business environment. In this article, based on a sequential game, an integrated multi-level intermodal network design problem (IMINDP) is addressed.

What is an intermodal transportation system?

An intermodal transportation system is known as economically efficient and environmentally sound, which can transport freights in an energy-efficient manner (Congress 1991). Modal shift and distributions of freight flows are performed in a transportation infrastructure named intermodal hub.



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