

**An Algorithm for Scheduling of Freight Container Car
Considering Equalization of Daily Work**

Satoshi KATO Naoto FUKUMURA Takashi SAKAGUCHI

In this paper, we focus on the schedule of the inspection of freight container car. Unlike locomotives or passenger cars, it is not determined in advance where freight container cars are inspected. Therefore, there are many problems such as imbalance of the number of cars to be inspected among depots. In order to present an appropriate inspection plan, we model this problem as integer programming problem. Computational experiments are performed based on a real schedule of freight container cars. The results suggest that it is possible to reduce the imbalance among depots.