

Abstract:

On the other hand, accompanying recent increases in computer capacity, optimization technologies have been widely applied to logistics scheduling¹⁾. Since quick reformulation of schedules in response to changes in operational conditions and changes in the production schedule is demanded in logistics scheduling, calculation speed is also required in combination with optimality.

1. Introduction

In recent years, the steel manufacturing process has become more complex as a result of the trends toward higher grades and greater diversity in steel products in response to customers' needs. As there is also a heightened need for shorter delivery dates, logistics scheduling and production planning have also assumed greater importance than in the past. Logistics in a steel works is not simply a matter of transporting finished products and intermediate products from the previous process to the following process in accordance with the delivery schedule; it also has the role of rearranging the order of products in the production schedule in the following process in advance so as to enable smooth transportation to the following process. For this reason, establishing efficient logistics schedules are a challenging task.

customer satisfaction through a reduction of lead time by higher efficiency in slab transportation.

References