

ARTICLE TRANSPORT FACILITY

ABSTRACT

In an article transport facility, transport vehicles each include a speed detector that detects
5 a current speed V and a distance detector that detects an inter-vehicle distance index D
corresponding to a distance from another transport vehicle ahead in a travel direction. A
control system performs a first target-speed determination process for determining a control
target speed V_2 based on a distance-based target speed V_1 greater for a greater inter-vehicle
distance index D , the current speed V , and the inter-vehicle distance index D . The first target-
10 speed determination process includes an acceleration determination process for determining
whether to perform an acceleration process for setting the control target speed V_2 to the
distance-based target speed V_1 higher than the current speed V . In the acceleration
determination process, the system performs the acceleration process when a relationship
between the current speed V and the distance-based target speed V_1 reaches a state satisfying
15 an acceleration condition and the state continues for a determination duration T or longer.

Selected Figure: FIG. 4