

Algorithm of Train Operation Control and Passenger Evacuation Based on Forecast of Tornado and Flood

Naoya OZAKI Takuya WATANABE Noriko FUKASAWA

According to the effects of the climate change, the short-term strong rain has been increasing in recent years. There is also concern that the tornado, flood etc. increase along with such weather conditions. RTRI is developing a dynamic hazard mapping system as a technique to reduce damage to the railway passengers in case of such a disaster. Using the evaluation result of the hazard, we examined an algorithm to decide where to stop the train, and in some cases where to evacuate the passenger. In this paper, we report about the algorithm of the train operation control and the evacuation guidance for passenger.