

Recent Studies on Aerodynamic Characteristics of Railway Vehicles

Kiyoshi NAGAKURA

Aerodynamic phenomena concerning railway vehicles relate to various problems on railways. The improvement of aerodynamic characteristics of railway vehicles could increase the value of railway from the view point of safety, convenience, harmony with the environment, cost reduction, etc. This paper describes the outlines of the recent studies on aerodynamic characteristics of railway vehicles made by Railway Technical Research Institute such as stability against cross wind, air resistance, lateral motion in tunnel and aerodynamic noise.