

## **Wind Tunnel Test Results of Railway Vehicles under Cross Winds in Half-bank Half-cut Line Sections**

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The evaluation of the running safety of railway vehicles in high cross winds is carried out using an aerodynamic coefficient obtained from wind-tunnel tests. In a previous study, wind tunnel tests were carried out on commuter-type vehicles in a half-bank half-cut section, to obtain aerodynamic coefficients. However, studies have not been carried out on the influence of different vehicle shapes on the aerodynamic coefficients. Therefore, wind tunnel tests were carried out on double-decker-type vehicles and freight-type vehicles as a follow-up to the previous study.