

## **Study on Air Flow between Underside of Railway Vehicle and Track On-track Tests**

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The air flow between the underside of a railway vehicle and the track has influence on aerodynamic various issues such as aerodynamic drag and aerodynamic noise. For solving these problems, studying an under-floor flow is necessary. In this study, we measured the under-floor flow using a hot wire anemometer that was installed on the underside of the vehicle. Moreover, we verified that the under-floor flow is influenced by the distance between the vehicle nose and the measurement point and by local shapes such as bogies and inter-vehicle gaps.