

Countermeasures against Snow Accretion Around Shinkansen Bogies Using Running Wind

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In this study, we investigated a countermeasure against snow accretion on bogies of high-speed train by utilizing high-speed air flow through inlets on sides of train. The effectiveness of this method was confirmed through model experiments and numerical analysis. The results showed that this method is expected to reduce snow accumulation onto the body panel behind the bogie by about half.