

**Differences in Critical Wind Speed of Overturning Due to  
Differences in Aerodynamic Force Coefficient Evaluation Methods**

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Two methods can be considered for a desk-based safety evaluation of a new type of vehicles in strong winds: one method is based on a list of aerodynamic force coefficients from previous studies, and the other method is based on Computational Fluid Dynamics (CFD). However, the differences between the results of each method and wind tunnel test results are not clear. Therefore, the overturning limit wind speeds calculated from the results of three methods were compared.