## Effect of Frequency of Crosswind on Dynamic Behavior of Railway Vehicles

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In order to analyze the dynamic behavior of the vehicle subjected to crosswind, we constructed a dynamic analysis model, and examined the effect of the frequency of the crosswind on the dynamic behavior of the vehicle. Further, in order to verify the validity of the dynamic analysis model, we conducted a full scale experiment applying lateral force to the vehicle dynamically. As a result, it has been verified that the dynamic analysis model is valid for evaluating the wheel load variation of the vehicle, and the effect of the frequency of crosswind on the behavior of the vehicle has been clarified.