

Evaluation of the Interior Noise Characteristics using the Sound Source Analysis System

Akiyoshi ISHIMORI Katsuya YAMAMOTO
Mineyuki ASAHINA Hirohisa KOIKE

There are various noise sources in the railway vehicles, and they generate the interior noise through the complicated propagation path. It is important to figure out the interior noise characteristics to establish the countermeasure of the interior noise. Therefore, as a method possible to figure out the interior noise characteristic intuitively by relatively easy measurement, we conducted the evaluation of the interior noise characteristics using the sound source analysis system. As a result of an excitation test using a Shinkansen-type test vehicle and a running test on a commercial line for a Shinkansen-train, it was confirmed that the evaluation method using this system is useful.