

**Evaluation Method of Noise inside Railway Vehicles
Closely Related with Unpleasant Feelings of Human**

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The unpleasant feelings of some noise for human beings are depending not only on the sound level, but also on the “sound quality”. However, noise inside railway vehicles has been evaluated up to now only by the noise level. So, we carried out a subjective evaluation experiment with focus on the unpleasant feelings of human, and based on the result, we suggest a new evaluation method in which the unpleasantness of human feelings is presented by sound quality indices (loudness, sharpness, tonality, roughness, etc.).