**Analysis of a Subjective Evaluation Test by Semantic Differential Method
on Impression of Noise Inside Railway Vehicles**

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The impression of some sound on human beings depends not only on its magnitude but also on its "sound quality". In order to clarify some factors that influence the impression of noise inside railway vehicles, we have conducted an auditory experiment using Semantic Differential Method. By factor analysis, we extracted four factors of the feeling of noise : "Softness", "Pleasantness", "Clearness", and "Profoundness", and that "Pleasantness" is strongly influenced by "Softness".