

**Estimation Method of Sitting Quality of Railway Passenger Seats
for Long Time Riding**

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Up to now, the sitting quality of the railway passenger seats has been mainly executed by subjective evaluation for a short time riding. However, it is uncertain whether or not such subjective evaluation for a short time riding can be applied to a long time riding of the limited express train. The estimation method of sitting quality for a long time riding based on the sitting quality for a short time riding was examined through searching for the factors that influenced the sitting quality with variation of time. As a result, it was found out that the sitting quality for 180 minutes riding can be roughly estimated from sitting quality for the riding of about 40 minutes.