

The Study on the Seasonal Characteristics of Thermal Comfort Felt by Passengers in a Main Line Vehicle

Hiroharu ENDOH Fumitoshi KIKUCHI Ayano SAITO
Yasuhiko IZUMI Nobuaki HAYASHI

In this study, the seasonal characteristics about the relation between the thermal environment and the thermal comfort felt by passengers in a main line vehicle were investigated. First, to understand the characteristics of the thermal environment in a main line vehicle, field surveys were conducted by measuring the temperature and humidity in regular passenger services. Then, to obtain the fundamental data about the thermal comfort felt by passengers, subjective experiments were carried out. As a result, it was indicated that in order to evaluate the thermal comfort felt by passengers correctly all the year around, the seasonal characteristics of thermal comfort should be taken into account.