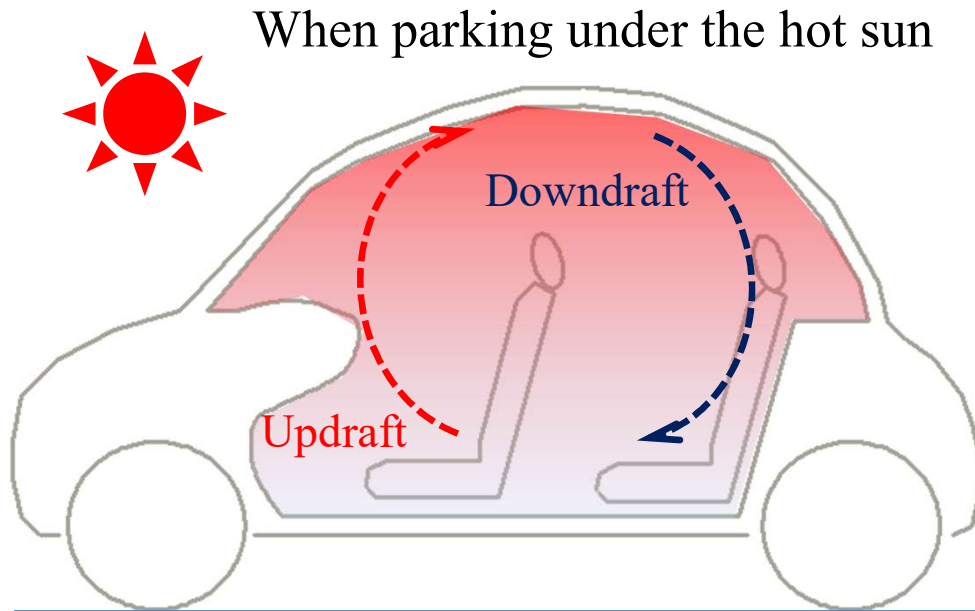
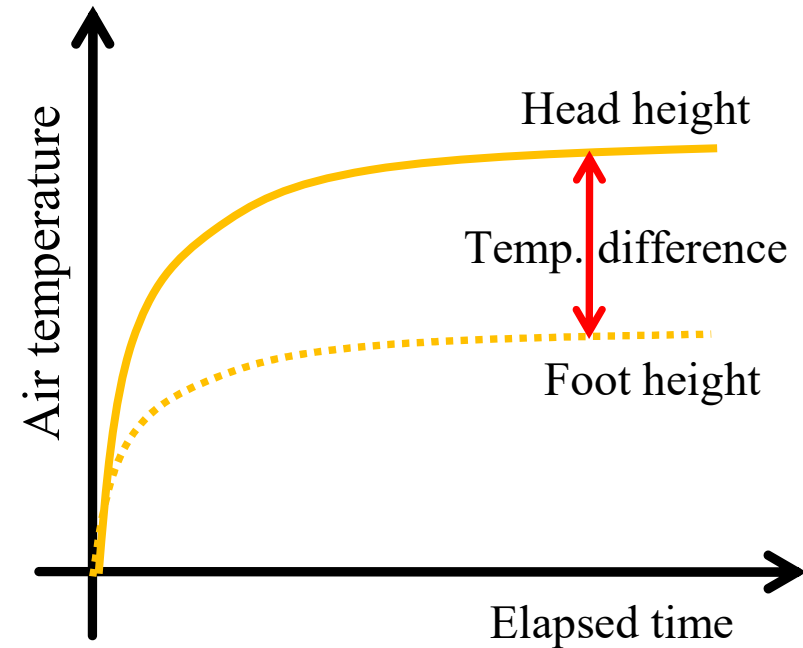


# NETS Case Study 4: Vertical temperature distribution model of indoor air

Contract research from an automobile manufacturer that began from 2006 was the occasion for devising the model



The sun heats some of the room inner surfaces and generating upward air flow, the other cooler surfaces cause downward air flow, and creating a large vertical temperature distribution.



Changes in temperature stratification

Computational fluid dynamics is not suitable for long-term unsteady state calculations



Practical engineering model

Trial of Thermal and Ventilation Network Model