

Background

The problem of elderly drivers

The number of accidents by elderly drivers is **increasing**



Conventional measures is **insufficient**...

- Lecture for elderly drivers
- Drivers' license confined to "support car"

Cause of accidents by elderly drivers

- Operation error
- Distracted driving
- Decline of physical ability etc.



The purpose of this research

Focusing on **autonomous driving system** by means of preventing accidents



Monitoring behavior at autonomous driving



Suggesting design of autonomous driving to equip



Content

Evaluating the workload of SA

Evaluate the workload of SA in autonomous driving by NASA-TLX



Classify SA in terms of **the degree of absorption** or **workload**



Grasp of behavioral characteristics

Measure the response time and deviation rate to warning sound

Subjective evaluation

SD method
NASA-TLX

Behavioral evaluation

Deviation rate
State monitoring

Objective evaluation

Response time
Biological reaction



Creation of warning system

Selecting level of warning sound corresponding to **the degree of absorption** and **workload** of SA



Suggesting design of autonomous driving to equip

