

Definitions of The driver's looking back ocular points

JAPAN

Definitions

“The driver’s looking back ocular points” is the ocular points when driver is looking back in order to confirm rear fields of view.

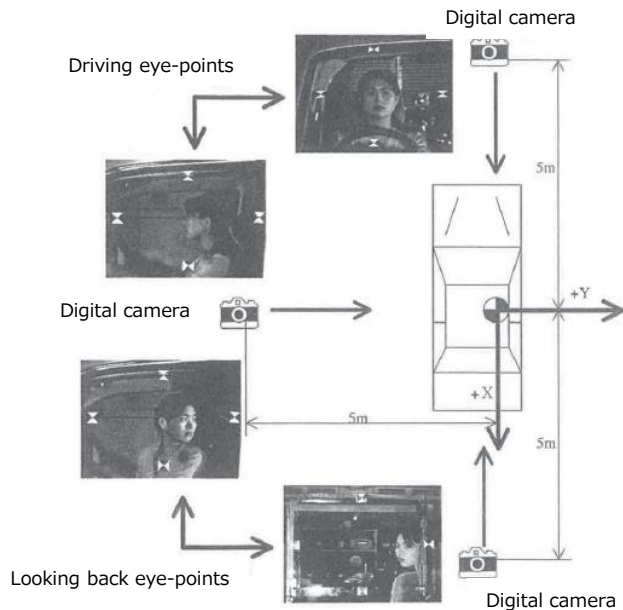
It should be defined as adjusted locations from “The driver’s ocular points”.

Adjusted amounts calculated from measured data

	X (longitudinal)	Y (horizontal)	Z (vertical)
Adjusted amounts [mm]	96	-158	6

Methods

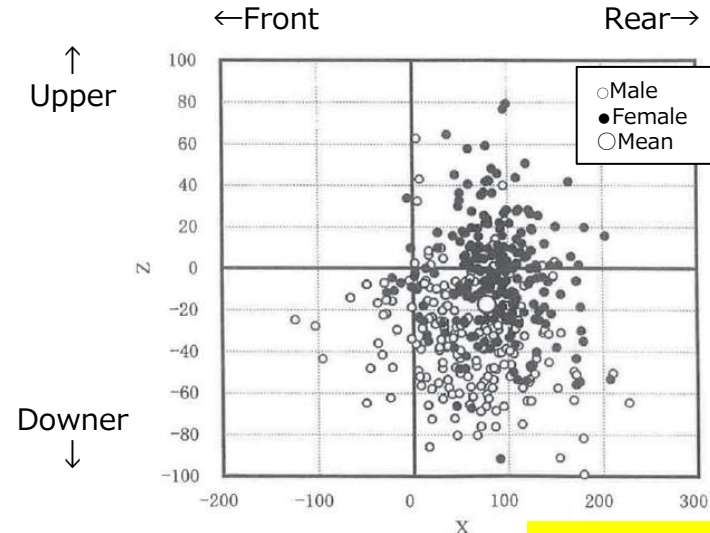
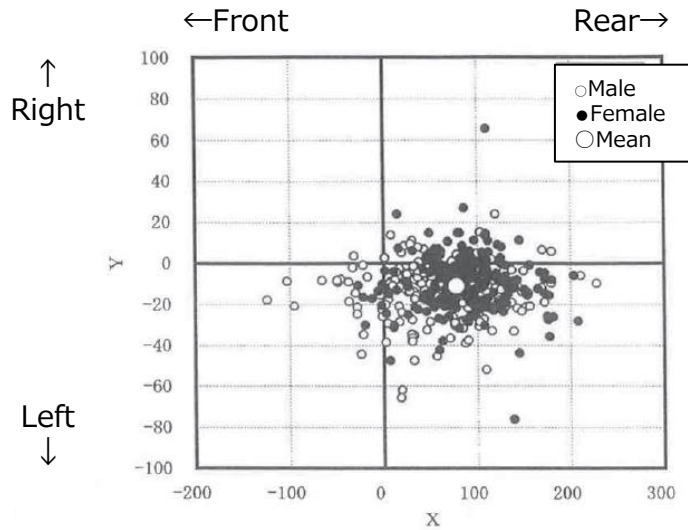
- Measurement
 - Driving eye-points and looking back eye-points coordinates obtained by 2D photometry.
- Participants
 - 140 healthy adult participants (Male 70, Female 70, Age 20s~50s)
- Vehicle
 - Sedan (Eye-point~Ground: 1117mm)
 - SUV (Eye-point~Ground: 1386mm)
 - Mini-van (Eye-point~Ground: 1542mm)



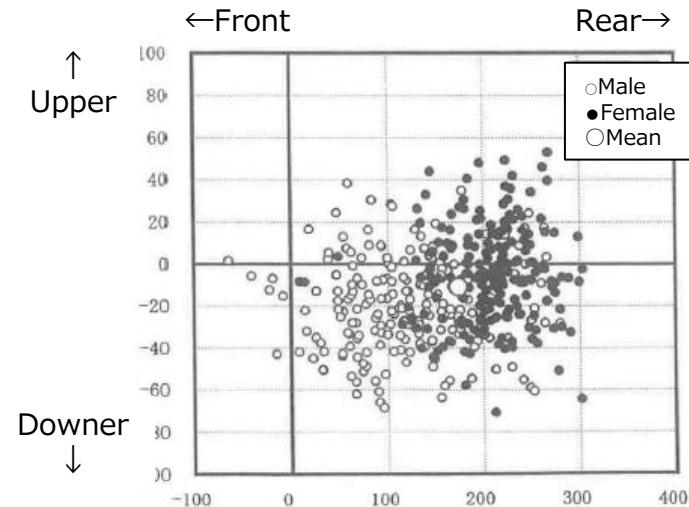
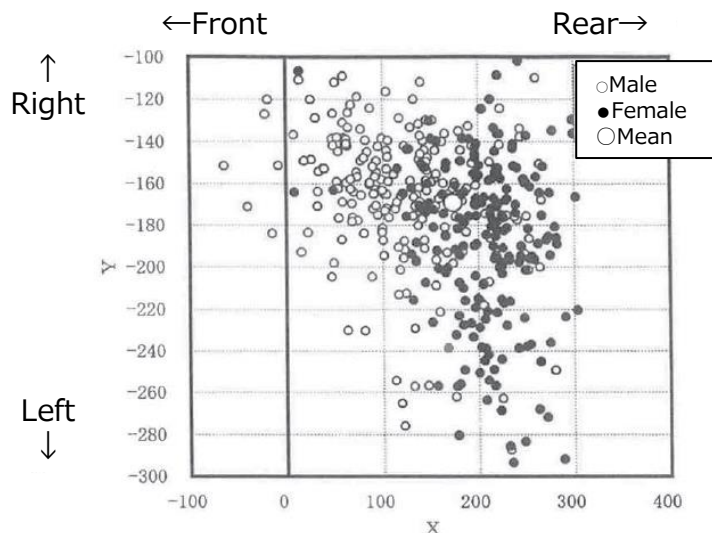
Results

Origin : Reference EP (Driver's ocular points)

- Driving eye-point



- Looking back eye-point



Replaced to proper graph
(VRU-Proxi-06-03)