Development of Automated Driving Functions for Public Roads

HAD FUNCTION FOR HIGHWAY DRIVING

- Fused and consistent environment model
- Situational analysis and prediction of environment
- Decision making and trajectory planning

ENTER A HIGHWAY AND MERGE INTO MOVING TRAFFIC

- Precise environment modelling, especially gap tracking of dense traffic and sophisticated prediction
- Special requirements to decision making due to external traffic conditions, e.g. end of lane, no gap available, speed difference

HAD FUNCTION TO EXIT A HIGHWAY

- Evaluation of exit lane in respect to vehicle position, dimension and other traffic participants
- Long-term planning to ensure to be on the desired lane
- Hand-over request to driver

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