

Development of a methodology to determine equivalence of scenarios in automated driving

The Institute of Automotive Engineering is researching approaches to reduce testing efforts for automated driving. For this equivalent scenarios need to be identified. This thesis focuses on providing the theoretical basis for this research

Task Details

- Familiarization with
 - the testing aspects of automated driving
 - state of the art scenario description approaches
- Identifying requirements for scenario equivalence for the use in testing
- Deriving Criteria for scenario equivalence
- Implementing metrics based on the criteria in Python or Matlab
- Evaluating the metrics on the provided test data

NOTICE: All projects and theses at FZD can be done in English or German, as preferred.

ANMERKUNG: Alle Projekte und Arbeiten bei FZD können wahlweise in Englisch oder Deutsch durchgeführt werden.