

# Compositional Variability Models for Test Generation in Scenario-based Testing

Projektgruppe "Praxis der Forschung"  
Sommersemester 2024

## 1 Projekt

Scenario-based testing is considered state-of-the-art for verifying and validating Advanced Driver Assistance Systems and Automated Driving Systems. Combinatorial scenario generation techniques model an overall scenario space and select a subset to practically perform scenario-based testing. Feature models are used as a formalism to model the overall scenario space. In this "Praxis der Forschung"-project, we aim to tailor the space of possible scenarios to the system under tests' functionality using multi-feature models. We analyze current literature, develop, and evaluate a novel feature model structure that can be used to compose possible scenario spaces that are relevant for testing specific systems under tests by reusing pre-define sub-scenario spaces.

## 2 Kontakt

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