Chair of Computational Modeling and Simulation
TUM Deparment of Civil, Geo and Environmental Engineering
Technical University of Munich

Testing concept for scripts used in model-based software development

Project Characteristics

Modeling:

Mathematics:

Programming:

Science:

Task

Developing different testing concepts for tools that support Model Based Software Development:

• Evaluation of the different test concepts
• Evaluating which metrics (e.g. code coverage) exists for test concepts and are meaningful in this environment
• Implementation of one or more test concepts
• Implementation of mock functions to avoid dependencies
• Evaluation of test automation and automatic test model creation
• Evaluating which test concept fulfill which metrics

Wildgruber Markus, Esprit-Engineering, markus.wildgruber@esprit-engineering.de