

Automotive Engineering

Driving dynamics

Area:	Efficient automatic generation of simulation models for driving dynamics
Person in charge:	Michael Unterreiner
Duration:	2006 – 2010

In vehicle dynamics simulation vehicle models with different complexity levels are used depending on the purpose. The modeling quality influences the result accuracy and the computation time.

The aim is to ensure persistent automatic parameterization of vehicle models with the model complexity extending from multi body model to a simple single track model.

This is made possible through suitable optimization and model reduction methods.

