

- **Motivation:**

The driving performance in terms of agility as well as available safety reserves can be significantly improved through active lateral distribution of the drive torque.

- **Problem:**

What technical solution is the optimum concept for the specific application when taking the driving dynamics potential, efficiency, package situation and type of drive into account?

- **Objective:**

Potential evaluation for front-wheel drives taking the possible lateral accelerations, load alteration performance and interaction with the steering system into account.

- **Solution:**

Setting up an final drive model library for the simulation of driving behaviour and generation of objective parameters. A comparison of the parameters allows a systematic evaluation of concepts.

