

Evaluation of steering feel

- **Motivation:**

In case of electro-mechanical steering systems, the centre point feeling depends on suspension design and especially on the application of the control software.

- **Problem:**

How can the development process with regard to an increasing number of vehicle and software variants be supported through a HIL simulation?

- **Objective:**

Identification of objective parameters which are important for the centre point feeling from test drives as well as presentation and analysis of the influence of soft and hardware variants (e.g. friction) in a HIL environment.

- **Solution:**

Integration of the steering gear in a HIL environment with real-time vehicle and CAN bus simulation to generate realistic steering wheel angles and manoeuvre loads.

