

Lap time simulation

Testing- & Racing

Data analysis & Development

Data analysis

- Concept comparison
- Analysing test data to validate developed simulation models

Vehicle Dynamics & Lap Time Simulation Overview

Model optimization

- Further development of vehicle model
- Accurate representation of the real vehicle and its dynamic behavior

What is the Lap time simulation about?

Lap time simulation is one of our team's most important development tools. Already during the concept phase, the simulation enables us to evaluate different vehicle concepts.

For the upcoming season we are looking for reinforcement for the further development of the vehicle and driver modeling. The current vehicle model is based on an extended two-track model, which should be improved and extended. Examples from the last seasons are the integration of a dynamic aerodynamic calculation with the help of aeromaps as well as the battery cell selection with the help of a new detailed battery model.

Additionally we need your support in the daily work with the simulation. For example for the creation of load spectra or for concept studies.

Furthermore, as part of the vehicle dynamics group you will be responsible for the test and race operation of our vehicle and spend a lot of time with us on the test track.

What will be your tasks?

- Further development of the vehicle and driver models
- Creation and evaluating of data analysis
- Collaboration in group-wide tasks (testing, manufacturing, ...)
- Taking part in group and team meetings

What are our requirements?

- High motivation and dedication to the team
- Preferably studies in the field of Mechanical Engineering, physics, CES or Automotive Engineering
- Ideally previous knowledge of Matlab/Simulink
- Interest in vehicle dynamics correlations and simulations
- Good command of English



One Goal.
One Team.

Would you also like to accompany your component from CAD to the race track? Apply on our homepage!



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