

- **Motivation:**

Lightweight design of vehicle components to reduce fuel consumption and CO₂ emissions without putting the endurance strength at risk.

Comparison of chassis loads

Identification of potential “rough road countries”

- **Problem:**

Knowledge of representative load spectra for the optimal component size, appropriate for lightweight design

- **Objective:**

Description of customer behaviour and sensing of road irregularities in the 3D parameter space

- **Solution:**

The 3D method allows a systematic analysis of customer use in terms of driving style, load and road for the chassis components. Summary of the respective load spectra, available for design and testing.

