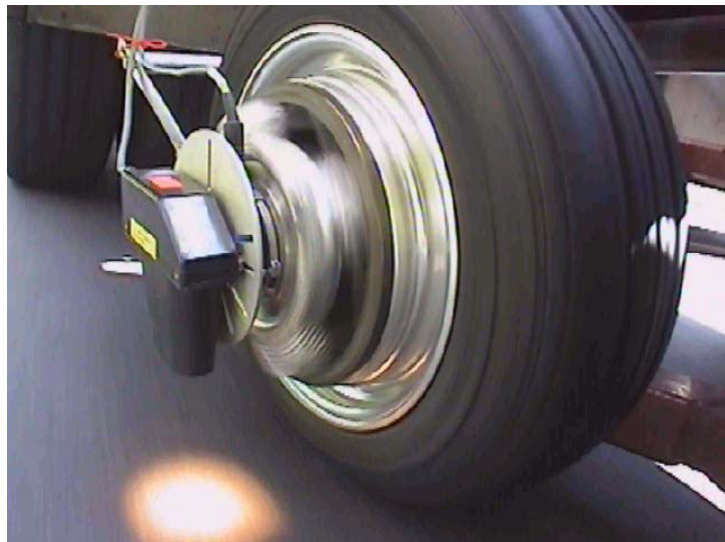


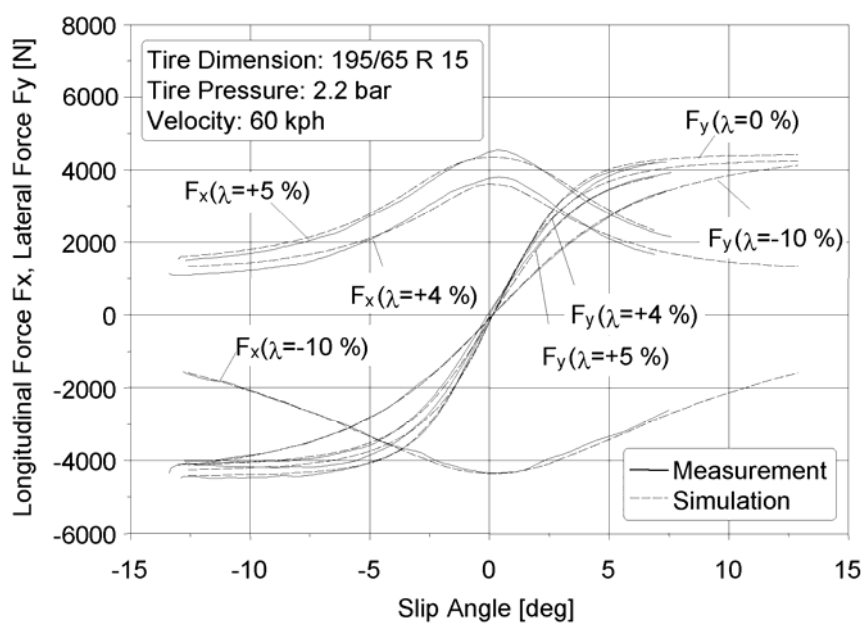
# Tire Models

To implement tire properties into vehicle dynamics simulation studies, their mathematical descriptions (so called tire models) are required. Tire models base on measured values and tire maps and/or physical approaches. FKFS offers parameter identification used in common tire models (e.g. Pacejka). Tire properties examined with the Universal Skid Resistance Measurement Device set the basis for that parameter identification process. Finally, the proper tire parameters are gained from mathematical identification algorithms.



Tire Property Measurement

Regarding specific investigations, the tire models commonly used can be insufficient. Therefore, FKFS has developed own tire models.



Comparison of Measured and Computed Tire Model Characteristics

