



# Road Vehicle Suspensions

*By Wolfgang Matschinsky*



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Road Vehicle Suspensions gives a comprehensive survey of the kinematics, elasto-kinematics, and design methods for vehicle wheel suspensions.

Available for the first time in English (from the second edition in German), this book will serve as an invaluable reference source for automotive design, test, and development engineers, as well as a useful student text.

### CONTENTS INCLUDE

- Basic characteristics of wheel suspensions
- Kinematic analysis of wheel suspensions
- The tyre
- Springs and dampers
- Traction and braking
- Cornering
- The steering
- Elasto-kinematics
- Synthesis and design
- Motorcycle suspensions
- Independent wheel suspensions
- Rigid-axle suspensions
- Compound suspensions
- References
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