Expertise with **Articulated Vehicles** of any kind

AG Echtzeitsysteme
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https://www.uni-koblenz-landau.de/de/koblenz/fb4/ist/AGZoebel
Automation, assistance und safety for articulated vehicles

- Automated (guided) driving
- Assisted driving
- Simulated driving

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Automation with articulated vehicles

- Kinematical studies
- Logistic maneuvers

- e.g. parallel parking
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- e.g. automated maneuver for loading a swap body
Back-up assistance for articulated vehicles

- Patented optical back-up Assistance
- Simulator for truck learner drivers

Consulting and distribution by Progressia GmbH
http://www.progressia.de/impressum.html
Back-up assistance for articulated vehicles

Patented haptic back-up assistance system for

- One-axle trailers (e.g. semi-trailers) and
- Two-axle trailers (e.g. Giga-Liner)
Safe maneuvering for multitudes of vehicles

Specification of diring maneuvers consisting of
- Trajectories
- Save hulls
- Time windows
- Junction points

Applicability to a multitude of vehicles

Exploration of maps for safe passages for versatile articulated vehicles
Measuring systems for angles between versatile tractor trailer systems

- Measuring system for semi-trailers
  Measurement on the trailer-side alone

- Measuring system for trucks with two-axle trailers

Patented measuring of two angles
Two-body agro-robot with cramb-based motion

Properties of the patented vehicle

- Extreme energy efficiency
- No soil-compaction
- Excellent shear force
- Broad applicability

Modular soft- and hardware-architecture