

Automated Stunt Driving

Performing a two-wheel drive with a car is a famous stunt used in many movies and television shows and is known as skiing. This Bachelor thesis aims to design a feedback controller that enables fully automated skiing for a RC car.

Tasks:

- mathematical modelling of the system
- feedback controller design
- selection of a suitable control hardware and implementation of the controller
- experimental validation of the concept

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Screenshot from
www.youtube.com/watch?v=PZzmry-Js-M