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**“Process Automation of Suspension
Simulation with HyperWorks MotionView”**

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Abstract:

Suspension development requires simulation of various loadcases as well as analysis of different suspension parameters. Different definitions of these loadcases and parameters call for provisions to ensure comparable results. Furthermore standard calculations shall be carried out quickly to enable the developers to find an optimum solution within the time range. The architecture of HyperWorks MotionView offers numerous possibilities to customise and automate the pre- and postprocessing. This presentation shows a way to perform process automation by making use of these possibilities - from the usage of a model independent testrig to the generation of appropriate suspension parameters and processing the results.

Keywords:

- Suspension Design
- Vehicle Dynamics
- Mult-Body Simulation
- Process Automation