

dSPACE Release 4.2: Numerous New Features

- **Customized report creation with AutomationDesk**
- **Complex driving maneuvers with ControlDesk**
- **New analysis features for MotionDesk**

dSPACE Release 4.2 adds a whole range of new features to several dSPACE tools. AutomationDesk, the test automation software, provides new options for report configuration, plus access to calibration and measurement tools and to Softing's Diagnostic Tool Set DTS7. ControlDesk, the experiment environment, now allows complex driving maneuvers to be performed with a joystick or a steering wheel. And finally, MotionDesk, the 3-D animation software, has extended analysis features.

New Functions for AutomationDesk

Using AutomationDesk 1.2, the new version of the test automation software, developers can automate dSPACE's calibration software, CalDesk 1.1, and Softing's Diagnostic Tool Set DTS7. They can also customize the contents of automatically generated reports by integrating elements such as texts, tables, and images as required (see details on page 16).

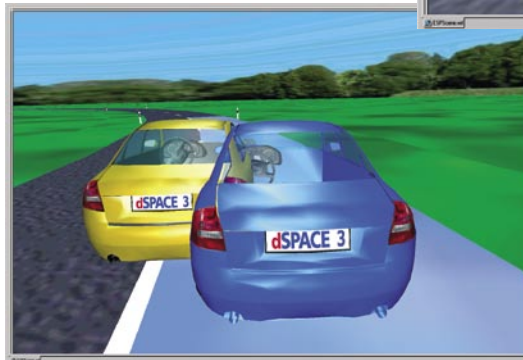
Simultaneous Animations with MotionDesk

MotionDesk 2.0, the 3-D animation software, now has a multitrack mode that visualizes several vehicles simultaneously, each vehicle based on a different simulation run. By overlaying the simulation runs, engineers can see the differences between them at a glance – for example, when comparing a simulated vehicle with and without ESP.

For further details on dSPACE Release 4.2, see www.dspace.de/goto?releases

Complex Driving Maneuvers with ControlDesk

Joysticks and steering wheels can be connected to the new Version 2.6 of the ControlDesk experiment environment as input devices. This is useful in HIL simulation, making it easy to simulate driving maneuvers that are difficult to implement via keyboard and mouse.



▲ *The new multitrack mode in MotionDesk, the 3-D animation software: Several simulation runs are overlaid for developers to see the differences at a glance.*

Several New Blocksets

The new RTI RapidPro Control Unit Blockset allows the new RapidPro hardware to be used as an intelligent I/O subsystem (for engine control, for example). Bypass interfaces can be configured with the new Version 2.0 of the RTI Bypass Blockset. RTI CAN MultiMessage Blockset 1.1 provides new functions for editing messages.

If you would like to receive release information by e-mail, send an e-mail to release.news@dspace.de