PRESS RELEASE

DaimlerChrysler, BMW, Audi and Volkswagen choose Dymola for modeling and simulation of air conditioning systems

The German automotive manufacturers, DaimlerChrysler, BMW, Audi and Volkswagen, have jointly decided to use Dymola and the new AirConditioning Library as a tool for model exchange and simulation of automotive air conditioning systems. After an extensive benchmark study Dymola was chosen in competition with several other modeling and simulation tools.

Dymola and the AirConditioning Library provide exciting possibilities for simulating automotive air conditioning systems. The flexibility and openness of the model libraries in Dymola was a significant factor for choosing Dymola. The open architecture allows users to adapt models of the library to in-house know-how and users are not forced to work with a fixed set of proprietary component models.

As DaimlerChrysler, BMW, Audi and Volkswagen have chosen a common tool for simulation of air-conditioning systems, suppliers of air conditioning components are intended to supply models to the above mentioned automotive manufacturers. This means that component suppliers will be integrated in the design process and the automotive manufacturers will be able to simulate components from different suppliers using one simulation platform. The combination of the manufacturer's knowledge of vehicle performance goals and the component expertise of the supplier ensure reliable simulation results and an accelerated integration and time-to-market process.

About Dymola and the AirConditioning Library
Dymola and the AirConditioning Library allow you to optimize and verify the design of an air conditioning system from the early design phases through control design and implementation. The AirConditioning Library features an open, object-oriented architecture with access to the model source code in Modelica. Users can connect components freely, so it is easy to realize non-standard configurations such as cycles with parallel evaporators.

Dymola has unique multi-engineering capabilities which means that models can be built consisting of components from many different engineering domains. This allows for models of complete systems that better depict reality. Dymola is based on the freely available object oriented modeling language Modelica.

Dynasim, the creator of Dymola, was founded in 1992. Today Dynasim has worldwide sales representation and customers in many countries. The AirConditioning Library is developed by Modelon in cooperation with the Technical University of Hamburg-Harburg. Modelon is a company specialized in providing engineering services and developing Modelica model libraries. Dynasim and Modelon together offer on and off-site training sessions and user support. Dynasim and Modelon are both members of the Modelica Association.

For more information on Dynasim and Dymola: www.Dynasim.com
For more information on Modelon and the AirConditioning Library: www.Modelon.se

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