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MathWorks HDL Tools add Xilinx FPGA Hardware Verification

Enable FPGA-in-the-Loop Simulation for Verifying HDL Code on Xilinx FPGA Development Boards Using Simulink

NATICK, Mass. - (June 2, 2011) - MathWorks today announced the availability of EDA Simulator Link 3.3 with new FPGA-in-the-loop (FIL) capabilities for Xilinx FPGA development boards. FIL enables engineers to verify their designs at hardware speeds while using Simulink as a system-level test bench.

The introduction of FIL adds to the comprehensive set of HDL verification options that EDA Simulator Link supports for algorithms created in MATLAB and Simulink. FPGA-based verification provides significantly higher run-time performance than is possible with HDL simulators and increases confidence that the algorithm will work in the real world.

Key product features include the abilities to:

- Verify HDL implementations of MATLAB code and Simulink models using FPGA development boards for both Spartan and Virtex class devices including the Virtex-6 ML605 development board.
- Verify HDL implementations of MATLAB code and Simulink models using cosimulation with Mentor Graphics ModelSim, Mentor Graphics Questa, and Cadence Design Systems Incisive Enterprise Simulator
- Generate TLM 2.0 components for use in SystemC virtual prototyping environments

Availability and Pricing

EDA Simulator Link is available immediately. U.S. list prices start at $2000. For further information, visit the product Web site at mathworks.com/products/eda-simulator/

About MathWorks

MathWorks is the leading developer of mathematical computing software. MATLAB, the language of technical computing, is a programming environment for algorithm development, data analysis, visualization, and numeric computation. Simulink is a graphical environment for simulation and Model-Based Design of multidomain dynamic and embedded systems. Engineers and scientists worldwide rely on these product families to accelerate the pace of discovery, innovation, and development in automotive, aerospace, electronics, financial services, biotech-pharmaceutical, and other industries. MathWorks products are also fundamental teaching and research tools in the world's universities and learning institutions. Founded in 1984, MathWorks employs

more than 2200 people in 15 countries, with headquarters in Natick, Massachusetts, USA. For additional information, visit www.mathworks.com.

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