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**MATHWORKS DELIVERS NEW PARALLEL COMPUTING SUPPORT  
FOR REAL-TIME WORKSHOP**

*Faster simulation and enhanced code generation achieved via Parallel Computing Toolbox*

**NATICK, Mass. – December 15, 2010** – [MathWorks](#) today announced a new capability that accelerates code generation build times for engineers working on designs that are componentized with model reference. This speed enhancement is available through [Real-Time Workshop](#), a code generation tool that now leverages the performance scaling capabilities of [Parallel Computing Toolbox](#) and [MATLAB Distributed Computing Server](#) (MDCS). The capability also extends existing parallel computing support in other MathWorks tools to improve the overall efficiency of working with large-scale applications, including computationally intensive design tasks such as updating models and running simulations.

In addition to Real-Time Workshop, Parallel Computing Toolbox and MATLAB Distributed Computing Server support other products for [Model-Based Design](#) including [Simulink](#), [Simulink Design Optimization](#), [Simulink Control Design](#), and [Simulink Verification and Validation](#). Using the functionality provided by MathWorks parallel tools, engineers can now easily take advantage of high-performance hardware – from multicore and multiprocessor desktops to clusters – in their design exploration, verification and validation, and implementation activities.

“Engineers and scientists need an easy way to exploit high-performance computing resources in order to run large-scale simulations and generate code faster,” said Silvina Grad-Freilich,

manager of parallel computing marketing at MathWorks. “MathWorks is addressing this need across the MATLAB and Simulink product families so that, whether users are performing technical computations or Model-Based Design, they can scale their applications to multicore and multiprocessor desktops, clusters, and grids.”

To learn more about optimizing simulation performance in Simulink, see:

- [Capability details](#)
- [Video overview](#)

### **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](http://www.mathworks.com).

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