



ANSYS Users Can Achieve Faster, Higher-Fidelity Simulation Results with New Intel Xeon E5-2600 Processor Family

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PITTSBURGH, April 10, 2012 /PRNewswire/ -- ANSYS®(NASDAQ: ANSS) software users can realize groundbreaking gains in speed, fidelity and productivity with the recent release of the Intel® Xeon® processor E5-2600, realized in collaboration with ANSYS high-performance computing (HPC) experts. By accelerating throughput, the new Intel (NASDAQ: INTC) processor technologies will enable ANSYS users to consider more product ideas, easily making design tradeoffs and increasing their engineering productivity.

(Logo: <http://photos.prnewswire.com/prnh/20110127/MM38081LOGO>)

Intel teamed with ANSYS in developing the solution since engineering simulation generates numerically large computing problems -- and product development teams are often considered "power users" of corporate computing resources.

"ANSYS has worked with Intel to make sure our joint customers can leverage the new Xeon processor family to ensure their products will perform as expected in the real world," said Jim Cashman, president and CEO of ANSYS. "This new platform represents a powerhouse for a majority of workflows and is a strategic technology to enable engineering simulation in HPC environment."

In anticipation of HPC improvements such as Intel's, ANSYS continually adds new capabilities to its software, leading to impressive overall performance gains. For example, using a demonstration project called 50:50:50, automotive engineers leverage morphing, advanced computational fluid dynamics (CFD) solver numerics, HPC environments and process automators to simulate 50 shape variants of a vehicle, with high-fidelity CFD simulations that use a computational mesh of 50 million cells for simulating each design point, in a total elapsed time of 50 hours after initial case setup. This is already an impressive result but, by using Intel's new-generation Xeon E5-2600 processors, these same simulations now take only 34 hours -- an additional improvement of 48 percent

"Customers using ANSYS engineering simulation software expect accuracy, efficiency and throughput to generate outstanding designs as quickly as possible," said Dr. Rajeeb Hazra, vice president and general manager of Intel's Technical Computing Group. "Intel and ANSYS, working together, have enabled the new Intel Xeon Processor E5-2600 to deliver the compute performance, memory performance and IO performance to enable ANSYS' latest technology to achieve breakthrough performance for a wide range of users. We look forward to future collaborations with ANSYS, extending this work to take advantage of the Intel® Many Integrated Core (MIC) architecture as well."

ANSYS and Intel continue to explore the limits of scale-out processing, including the MIC architecture, which combines numerous Intel processing cores onto a single chip. Other collaborative efforts include interconnect optimization, with ANSYS and Intel's Fabric Technology Group working to further enhance the performance and scalability.

About Intel

Headquartered in Santa Clara, California, Intel is a world leader in computing innovation. The company designs and builds the essential technologies that serve as the foundation for the world's computing devices. Founded in 1968 to build semiconductor memory products, Intel introduced the world's first microprocessor in 1971. Over the years, Intel has grown to employ more than 80,000 people, with approximately 55 percent of those employees located in the United States. Additional information about Intel is available at newsroom.intel.com and blogs.intel.com.

About ANSYS, Inc.

ANSYS brings clarity and insight to customers' most complex design challenges through fast, accurate and reliable engineering simulation. Our technology enables organizations -- no matter their industry -- to predict with confidence that their products will thrive in the real world. Customers trust our software to help ensure product integrity and drive business success through innovation. Founded in 1970, ANSYS employs more than 2,200 professionals, many of them expert in engineering fields such as finite element analysis, computational fluid dynamics, electronics and electromagnetics, and design optimization. Headquartered south of Pittsburgh, U.S.A., ANSYS has more than 60 strategic sales locations throughout the world with a network of channel partners in 40+ countries. Visit www.ansys.com for more information.

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