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ANSYS®, Dell, and Intel Accelerate Structural Analysis and Simulation. Overview. As time-to-market pressures increase and workloads grow in size and complexity, opportunities and competitive challenges are emerging across a wide range of industries. Engineers are using simulation and modeling to innovate and bring products to market faster.

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Dell Technologies is one of the world's leading computer systems providers. As part of its solution portfolio, Dell works closely in partnership with ANSYS to design standards-based high performance and productivity computing (HPC) solutions to satisfy the broad range of customer requirements for distributed and compute intensive environments.

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Select Dell Precision workstations are certified for the following ANSYS software: ANSYS Workbench, a simulation-driven product development platform with bidirectional computer-aided design (CAD) connectivity, highly automated meshing, a project-level update mechanism, pervasive parameter management and integrated optimization tools ; Structural Mechanics solutions, for simulating every ...

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May 19, 2020. PITTSBURGH, May 19, 2020 — To help accelerate the adoption and implementation of physics-based digital twin technologies across multiple industries, Ansys is joining Microsoft , Dell and Lendlease on the steering committee of the Digital Twin Consortium. The Consortium represents an international ecosystem of pioneering technologists that are influencing digital twin development, usage and standards requirements.

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gap between workstations and full-scale HPC clusters. It's accessible to smaller businesses and accelerates manufacturing workloads, reduces time to production and lowers system costs.

Accelerate Innovation with HPC-enabled Simulation - Ansys

The Intel X-Series line up is still able to maximise the core allowance of your ANSYS licensing but has faster clockspeeds than an Intel Xeon option. High processor clockspeeds ensures each core is running to its maximum potential and will further increase performance within ANSYS.

Recommended Computer Workstation For ANSYS | Workstation ...

Together, Dell EMC, ANSYS, Intel® and OCF have developed an integrated and customizable solution that bridges the technology gap between workstations and full-scale HPC clusters. It's accessible to smaller businesses and accelerates manufacturing workloads, reduces time to production and lowers system costs.

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essors, ANSYS users will see significant reduction in simulation runtimes, mainly due to the additional cores (up to 18), Intel AVX2 support, larger L3 cache (up to 35 MB), and higher memory speed (up to 2,133 MHz). ANSYS Mechanical 16.0 shows improved performance for the E5 v3 generation of processors from Intel, code-named Haswell.

Accelerating Mechanical Solutions Using the Latest Intel ...

Autodesk Softimage Intel measured a 182% increase in performance from 5.5 frames per second (fps), base case (no Intel CAS turned on) to 15.5 fps with Intel CAS turned on. Intel's include list:

How To: Intel CAS-W Setup - Dell

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TotalCAE has partnered with Dell and Intel to offer a free performance benchmark program that will enable you to see the advantage of moving from a workstation environment, to a Dell HPC cluster managed by TotalCAE. Once you provide us with your model, you will receive a time comparison from the HPC solution to your current workstation runtime.

Turnkey HPC for Ansys

Markedly, the company has collaborated with Microsoft, Dell and Lendlease to accelerate and simplify development and implementation of digital twin technologies across multiple industries. The company also partnered with Electro Magnetic Applications, Inc. (EMA), in a bid to develop design-to-validation workflow, designed to certify cable harness models used in automobiles and aircraft.

Factors You Must Note Ahead of ANSYS' (ANSS) Q3 Earnings

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ANSYS, Inc. (ANSS - Free Report) is scheduled to release third-quarter 2020 results on Nov 4. The company expects non-GAAP earnings to be \$1.10-\$1.34 per share for third-quarter 2020.

Factors You Must Note Ahead of ANSYS' (ANSS) Q3 Earnings ...

Samsung certified Ansys Redhawk-SC and Ansys Redhawk for its entire line of FinFET process nodes — including 14nm, 11nm, 10nm, 8nm, 7nm, 5nm and 4nm — and will collaborate closely with Ansys on upcoming nodes. This certification includes power integrity EM and IR-drop, statistical EM budgeting, thermal analysis and multiphysics solutions for multi-die integration.

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