ANSYS Releases New Version Of SpaceClaim

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PITTSBURGH, Nov. 19, 2014 /PRNewswire/ -- Engineers can manipulate product geometries easier than ever – compressing product development cycle times, thanks to the cutting-edge advancements ANSYS (NASDAQ: ANSS) delivered today as part of its ANSYS® SpaceClaim ™ 2015 release. The release also enables fast and flexible 3-D printing.

The SpaceClaim release revolutionizes product development and manufacturing workflows by enabling engineers to work faster through such innovations as expansive editing and management of faceted models, improved toolpath functionality for the machinist and more complex geometry creation upgrades for anyone looking to edit or create 3-D models.

"We continue to deliver breakthrough advancements that make geometry more accessible and more useful for all engineers," said Frank DeSimone, vice president of software development at ANSYS. "With the resources of ANSYS behind us, including strong collaboration with other ANSYS product development teams, we're making it easier than ever for our customers to create everything from complete virtual prototypes to complex 3-D printouts."

Additional SpaceClaim improvements include imprint and wrap tools for easier simulation edits, clean and detection functionality, as well as improved integration with ANSYS Workbench ™– which enable engineers to focus their time and expertise on simulation analysis, not geometry preparation. Computational fluid dynamics engineers, for example, can take advantage of the new features in SpaceClaim to quickly extract the fluid volume of designs instead of relying on CAD engineers to edit geometries.

SpaceClaim's 3-D Printing module now includes more tools for repairing models and analyzing print success. In addition, direct editing of meshes with SpaceClaim's intuitive Pull and Move tools are now available with the 2015 release, making it faster and easier for users to get models ready for printing.

ANSYS has delivered a variety of other improvements to concept design, manufacturing preparation, detailing and interoperability. These enhancements enable users to make more efficient use of time, engineering talent and materials as they pursue faster time to market with better product designs. A full list of new features may be found here: http://partnerfiles.spaceclaim.com/Collateral/SpaceClaim+2015/SPC+2015+Fact+Sheet_PRINT-FINAL.pdf

"The new enhancements in SpaceClaim have allowed me to design the most complex version of my award-winning Perplexus 3-D Labyrinth games in record time," said Mike McGinnis, originator of Perplexus. "The tools are significantly upgraded. In particular is the RELIEF tool, which has saved me days in preparing files for CAM."

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