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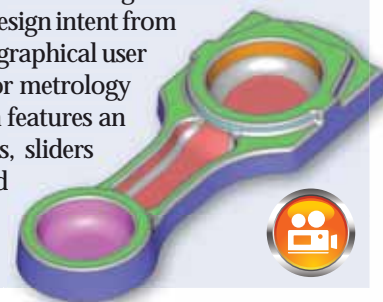
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CAD Chronicle

Software extracts design intent from 3D scan data

Geomagic has introduced Geomagic Studio 10, the latest version of its digital reconstruction software. Studio 10 features an optional surfacing module called Geomagic Fashion that automatically extracts design intent from scanned physical objects. It also includes an enhanced graphical user interface, streamlined feature framework, multi-sensor metrology support, and a customizable architecture. The version features an enhanced GUI with user-configurable display themes, sliders and collapsible menus for a cleaner, less-cluttered workspace.

www.geomagic.com



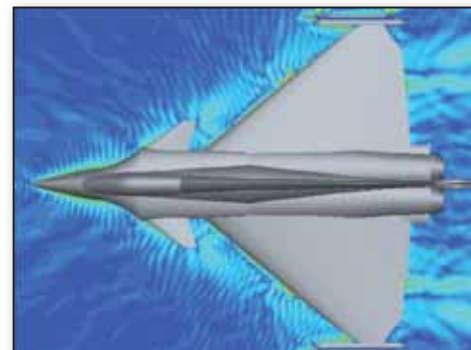
AutoCAD and SharePoint co-operation



CADnnection, developers of distributed file-sharing and AutoCAD integration technology, has announced the availability of extended reference file management capabilities in its namesake product. The product is said to form a seamless integration between Autodesk's AutoCAD and Microsoft SharePoint – a suite of server-based capabilities for data sharing and content management. The added integration enables users to ensure the data integrity of AutoCAD drawings and reference file relationships.

www.cadnnection.com

Electromagnetic phenomena



ESI Group has announced the latest version of its PAM-CEM Solutions software package. The product is aimed at performing realistic and predictive electromagnetic compatibility (EMC) simulations. The software package is able to mix both with 3D time domain simulations suited to reflected or diffracted phenomena and CRIPTE, and a dedicated Transmission Lines tool for cable networks. The version also addresses the management of large-scale models including several-dozen million elements (STL or NASTRAN files) and hundreds of wires.

www.esi-group.com

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Notebook workstation graphics

NVIDIA Corp. has introduced the NVIDIA Quadro FX 3600M professional GPU for notebook and laptop workstations. The platforms are said to deliver a uniform feature set, which include Shader Model 4.0, CUDA technology and GPU computing for visualization. Engineered to deliver high performance and visualization of extensive datasets with high image quality in an ISV-certified, notebook platform, the Quadro FX 3600M is available as a fully qualified MXM v2.1A type-III form factor mobile workstation graphics board.

www.nvidia.com/quadro



Portable 3D mouse



3Dconnexion has announced the SpaceNavigator for Notebooks. The unit is half the weight of its desktop counterpart – the SpaceNavigator – but also includes a new cap design for more immersive and natural interactions within 3D applications. Designed to withstand the wear and tear of travel, the portable 3D mouse comes with a travel case. 3Dconnexion 3D mice allow users to lift, press and turn the control cap to fly through 3D space while simultaneously zooming and rotating the view with fluid and highly intuitive control.

www.3Dconnexion.com

Electronics simulation



Ansoft Corp. has released new versions of Nexxim, its circuit simulation software, and Ansoft Designer, its integrated schematic and design management software. The products include new statistical analysis and transient simulation capabilities said to allow engineers to rapidly simulate high-speed serial channel behavior. Nexxim v4 features VerifEye for eye analysis of serial links using statistical methods. Ansoft Designer v4 features a "push excitation" feature and enhanced dynamic links.

www.ansoft.com