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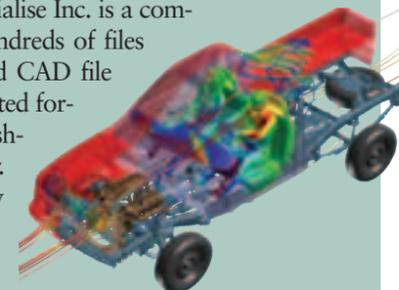
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Info Card #9

CAD Chronicle

Fluent CAD interoperability and mesh generation

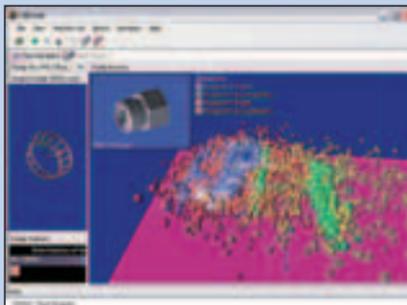
Fluent Inc., a wholly-owned subsidiary of Ansys, Inc., has released TGrid 4.0, GAMBIT 2.3 and 3Matic-for-Fluent 1.0, all said to be major upgrades to Fluent's pre-processing capabilities. The three products provide several functionality advantages: TGrid 4.0 has a Surface Wrapper added to its existing surface and volume meshing capabilities. The 3Matic-for-Fluent software from Materialise Inc. is a complementary conditioning module for converting hundreds of files from mixed geometry sources in native or standard CAD file formats (CATIA, UG, Pro/E, STEP, IGES), or in faceted formats (STL, WRML), into an optimal triangular meshing format for TGrid 4.0's new Surface Wrapper. GAMBIT 2.3 allows users to bring native geometry into GAMBIT more effectively.



fluent.com

Info Card 335

Streamlining file searches for parts, assemblies

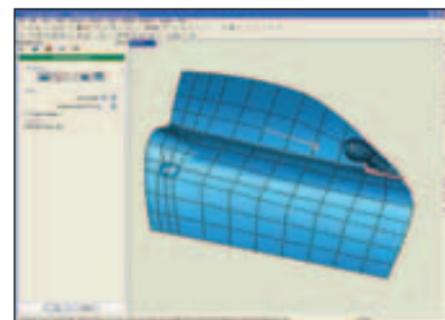


iSEEK Corp. has announced shape-based search technology called CAD-SEEK, designed to integrate with an organization's CAD software to perform fast and accurate, geometric-based parts and assembly searches. A searcher can also navigate through an enterprise-wide CAD database by zooming in and "flying over" the entirety of files.

iseekcorp.com

Info Card 331

Digital reconstruction software enhanced 3 ways



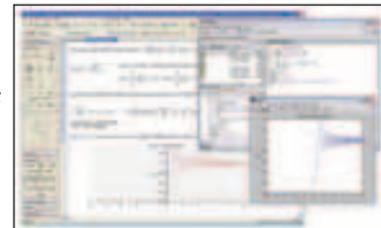
Geomagic has released Geomagic Studio 9, digital reconstruction software that features three major areas of enhancement: 3D feature-based modeling, advanced color texture generation and greater versatility with user-defined patch layouts. As a software tool, Geomagic Studio is said to automatically process 3D scan data for applications ranging from reverse engineering to design and analysis, as well as automatically create accurate models from any physical part.

geomagic.com

Info Card 332

Mathematics software tool

Maplesoft has announced the Maple Toolbox for MATLAB, designed to combine the best of both symbolic and numeric worlds for developing mathematical solutions and performing in-depth analysis of the results. The toolbox consists of two components: Maple 10, a tool for solving complex mathematical problems and creating executable technical documents; and the Maple-MATLAB Connector. The Connector is an add-on to Maple 10 that provides a two-way link between Maple and MATLAB, enabling users to define variables in either environment and use them in the other.



maplesoft.com

Info Card 333

Estimating manufacturing costs during design phase



Boothroyd Dewhurst has announced DFMA 2006, Design for Manufacture and Assembly (DFMA) software. The software contains DFA Version 9.3, and DFM Concurrent Costing Version 2.2. It guides users through the process of simplifying a product design, then estimates assembly labor and part manufacturing costs, as well as provides choices for part manufacture and finishing.

dfma.com

Info Card 334

Multidisciplinary platform for visual collaboration



Visual Collaboration Technologies Inc. has announced VCollab 2006. The suite of software provides a common platform for viewing and manipulating 3D digital product design, analysis, and manufacturing information authored in different engineering formats without having to access the native applications. The suite compresses large CAD, CAM, and CAE data sets to the .vcb format.

vcollab.com

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