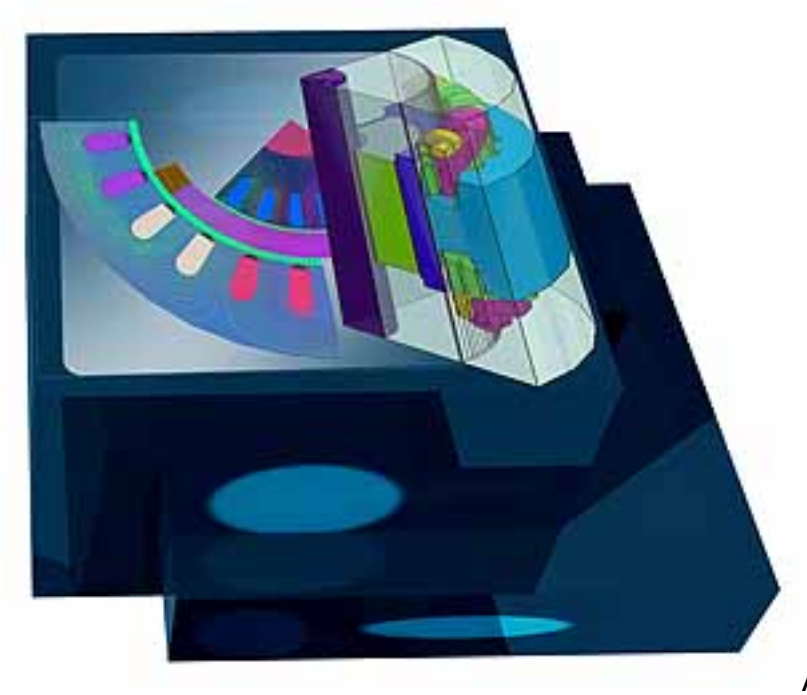
Software Upgrades Offer Additional Capabilities and Streamlined User Interface



Ansoft Corporation announced two software upgrades for the design and analysis of electromagnetic devices. Maxwell v12 is electromagnetic field simulation software used for the design and analysis of 3D/2D structures, such as motors, actuators, transformers and other electric and electromechanical devices common to automotive, military/aerospace and industrial systems. RMxprt v12 is a specialized software program dedicated to the design of electric machines.

Maxwell v12 includes a new 3D electric transient solver that solves time-varying electric fields due to a transient disturbance, such as lightning strikes on electrical equipment. The new version also is equipped with advanced model healing capabilities, which automatically identifies and resolves potential problems with geometry imported from popular CAD systems and streamline the solution process. RMxprt has been upgraded with a new capability to solve three-phase non-salient synchronous machines, automated project setup for Maxwell and a new wire library allowing motor designers to study the effects of various wire types of a design prior to physical prototype creation. Maxwell v12 and RMxprt v12 are available for Microsoft Windows XP Professional, Server 2003 Standard Edition, XP Professional x64 Edition, Server 2003 Standard x64 Edition, Red Hat Enterprise Linux v3 (32 and 64 bit) and v4 (32 and 64 bit), SuSE Linux Enterprise Server v9 (32 and 64 bit) and Solaris versions 8, 9 and 10.

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