

- PRESS RELEASE -

Significant Software Release

CST MICROSTRIPES 2009

Amsterdam, 28th October 2008, CST - Computer Simulation Technology AG (CST) announces the release of the electromagnetic simulation software CST MICROSTRIPES™ version 2009, at EuMW 2008.

CST MICROSTRIPES™ is a powerful 3D electromagnetic simulation tool, used extensively for solving challenging radiation problems including complex antenna structures, installed performance, EMC/EMI/E3 issues and more.

Users of CST MICROSTRIPES™ 2009 (CST MS) will find a modernized interface which has been greatly simplified by merging the Build tool, model history and parameterization into the Project/Command Window, making it easier to run parameter sweeps and queue simulations. CST MS' new tabbed toolbars de-clutter the user interface and improve navigation through the tool. The icons have been completely re-designed to be more intuitive and consistent with those used in CST STUDIO SUITE 2009, making it easier to transition between the tools.

Performance Enhancements

The entire CST MS package including the Build tool, TLM solver and Field Plotter is now 64-bit enabled, extending the applicability to larger scale problems. This 64-bit implementation removes previous limitations on the number of cells that can be discretized, enabling models to be solved to higher frequencies where the structure is electrically larger.

NASTRAN file import has been added to the import capabilities and a new graphics feature introduced, enabling 3D views of the model and results to be linked and simultaneously rotated.

EMC Edition

The EMC edition has been upgraded with improvements to the compact seam, slot, vent and wire models. It is now possible to define slot/seam paths by picking curved edges in the geometry using the mouse. A transfer impedance can be attached to slots/seams enabling more realistic simulation of coupling through joints. Compact wires and shielded cables have been enhanced by allowing a distributed resistance to be applied, giving a more accurate model of conductor losses.

About CST

CST develops and markets high performance software for the simulation of electromagnetic fields in all frequency bands. Its success is based on the implementation of unique, leading edge technology in a user-friendly interface. CST's customers operate in industries as diverse as Telecommunications, Defence, Automotive, Electronics, and Medical Equipment, and include market leaders such as IBM, Intel, Mitsubishi, Samsung, and Siemens. With 150 employees worldwide and a network of qualified distributors, over 190 people are dedicated to the development and support of its EM products in more than 30 countries.

Further information about CST and its products is available on the web at www.cst.com.

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Graphics

A screenshot featuring the new CST MICROSTRIPES 2009 user interface can be downloaded from the news section of CST's website.

This illustrates the simulated radiated emissions at 1.5 GHz from a 19 inch rack, using compact sources and models. The front of the rack has removable face plates creating an array of vertical slots which can leak EM fields. The CST MS model contains a broadband compact source excitation, generated by solving a PCB in detail using CST PCB STUDIO™ (CST PCBS). CST MS is used to investigate the shielding effectiveness of the rack and its sensitivity to different seam properties.

Screenshot of interface:

www.cst.com/content/news/documents/news_item_125/CST_MS2009_PR_graphics.zip