

- PRESS RELEASE -

CST Pushes Boundaries for Model Complexity

Montreal, Canada, June 19, 2012, CST – Computer Simulation Technology AG (CST) announces enhancements to the transient solver of CST MICROWAVE STUDIO® at MTT-S IMS 2012.

There is an increasing need to model ever more complex devices more realistically. This helps avoid additional cost and time intensive prototyping cycles but can put a great strain on computational resources. The memory efficiency and the robustness of explicit time domain methods and the accuracy of the Perfect Boundary Approximation (PBA)® have established the CST MICROWAVE STUDIO® (CST MWS) transient solver at the forefront of large and detail rich electromagnetic field simulation. The upcoming release of CST MWS will now allow users to leave the 2 billion meshcell (more than 20 billion unknowns) limit behind them. By employing cluster computing, through a message passing interface (MPI) implementation, in combination with cutting edge Graphics Processing Unit (GPU) computing, CST MWS enables customers to tackle simulations of this size within a reasonable time frame.

“Our customers rely on us to provide solutions when they face new challenges in their design work”, said Dr. Peter Thoma, Managing Director R&D, CST. “By equipping CST MWS to deal with even larger problem sizes now, we are addressing a requirement that we see coming in the near future.”

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 leading edge technology in a user-friendly interface. CST’s customers are market leaders in industries as diverse as Telecommunications, Defense, Automotive, Electronics, and Medical Equipment. Today CST employs 190 sales, development, and support personnel, and enjoys a leading position in the high frequency 3D EM simulation market.

CST STUDIO SUITE is the culmination of many years of research and development into the most accurate and efficient computational solutions for electromagnetic designs. It comprises CST’s tools for the design and optimization of devices operating in a wide range of frequencies - static to optical. Analyses may include thermal and mechanical effects, as well as circuit simulation. CST STUDIO SUITE benefits from an integrated design environment which gives access to the entire range of solver technology. System assembly and modeling facilitates multi-physics and co-simulation as well as the management of entire electromagnetic systems. CST STUDIO SUITE can offer considerable product to market advantages such as shorter development cycles, virtual prototyping before physical trials, and optimization instead of experimentation.

Further information about CST is available on the web at <http://www.cst.com>.

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