

- PRESS RELEASE -

CST Releases CST STUDIO SUITE 2016 Student Edition

Darmstadt, Germany and San Francisco, CA, USA, May 24, 2016: CST – Computer Simulation Technology (CST) announces the newest release of CST STUDIO SUITE® – Student Edition, a special free version of its flagship electromagnetic simulation package especially for students, at IMS 2016, booth #739. This release adds a low-frequency solver especially suitable for learning about eddy currents.

The CST STUDIO SUITE – Student Edition contains the versatile time domain, frequency domain and static and thermal solvers, and is supported by a set of online examples showing how classic textbook problems can be solved with simulation. The software can be incorporated into the coursework for a class, but the online examples mean that it can also be used by individual students for independent extracurricular learning at both undergraduate and postgraduate level.

New in the 2016 release, the low-frequency frequency domain (LF-FD) solver is especially suitable for simulating eddy current effects in devices such as sensors, actuators and transformers. There will be a worked tutorial for calculating eddy currents on a copper disc, which students can simulate themselves and then easily compare with textbook or laboratory results.

For more demanding educational applications that go beyond what can be done in the CST STUDIO SUITE – Student Edition, universities can get discounted classroom and educational licenses for CST STUDIO SUITE.

“Providing students with free access to leading edge EM simulation technology was the motivation behind the first version of CST STUDIO SUITE – Student Edition in 2015. We’ve seen great interest from around the world, and we want to strengthen our engagement with academia further,” said Martin Timm, Director Global Marketing, CST. *“We have therefore included the low-frequency frequency domain solver to further expand the areas of study and make exploring electromagnetism easier than ever.”*

CST STUDIO SUITE® – Student Edition is now available for download, and can be collected on DVD at the CST IMS booth, #739. For the full CST academic program, see <https://www.cst.com/academia>

Downloads

- Graphics are available to download from https://www.cst.com/Content/News/news_item_237/EddyCurrentsAnimated.gif and https://www.cst.com/Content/News/news_item_237/EddyCurrentsStill.png
“Eddy currents in a copper disc in a fluctuating magnetic field.”

About CST

Founded in 1992, CST offers the market’s widest range of 3D electromagnetic field simulation tools through a global network of sales and support staff and representatives. CST develops CST STUDIO SUITE, a package of high-performance software for the simulation of electromagnetic fields in all frequency bands, and also sells and supports complementary third-party products. Its success is based on a combination of leading edge technology, a user-friendly interface and knowledgeable support staff. CST’s customers are market leaders in industries as diverse as telecommunications, defense, automotive, electronics and healthcare. Today, the company enjoys a leading position in the high-frequency 3D EM simulation market and employs over 300 sales, development, and support personnel around the world.

CST STUDIO SUITE is the culmination of many years of research and development into the most accurate and efficient computational solutions for electromagnetic designs. From static to optical, and from the nanoscale to the electrically large, CST STUDIO SUITE includes tools for the design, simulation and optimization of a wide range of devices. Analysis is not limited to pure EM, but can also include thermal and mechanical effects and circuit simulation. 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 <https://www.cst.com>.

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