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Press Release

Mician releases Version 7.5 of μ Wave Wizard

March 2010, Mician GmbH from Bremen, Germany has released the latest version of their μ Wave Wizard™ EM CAD tool.

Improvements with version 7.5 are several new features for existing elements as well as new elements that offer advanced designs of e.g more kinds of lowpass filters or corrugated coax horn antennas.

μ Wave Wizard™ offers numerous features such as fast frequency sweep based on adaptive rational function interpolation and 64 bit capability (including multi-processor capabilities).

The latest release will be demonstrated at several international conferences and exhibitions such as GeMiC 2010 in Berlin Germany, EuCAP 2010 in Barcelona, Spain or the International Microwave Symposium (IMS 2010) in Anaheim, CA, USA.

About μ Wave Wizard™

μ Wave Wizard™ is a design tool using the fast and accurate mode-matching technique. The method is particularly suitable for simulation and optimization of passive microwave systems and components, including antennas. The mode matching method (MM) and its derivatives (i.e. the fast hybrid MM/boundary contour and the MM/2D-finite-element method) is the only method capable of simultaneously offering fastest processing speed and highest accuracy.

Yet, a 3D FEM solver on element level is available within the μ Wave Wizard™ for structures with very complex geometries or with features not feasible to be implemented in MM.

Typical applications for μ Wave Wizard™ are complex passive waveguide components and structures like waveguide and comb line filters, multiplexers, couplers, tapers, horn antennas and cluster feeds, OMTs, polarizers, etc.

About Mician

The establishment of Mician was born out of the idea of providing microwave engineers with fast and accurate design tools that significantly speed up the development process by reducing cycle time. The goal was to avoid the use of time consuming 3D solvers wherever possible and to focus on applying the Mode-Matching Technique and its derivatives instead, even on structures that at first glance seem to be suited for 3D solvers only. This powerful simulation method, together with an ergonomic GUI providing flexibility and openness finally led to the current stage in the evolution of the software tool μ Wave Wizard™. Today, engineers and designers in leading microwave companies throughout the world rely on μ Wave Wizard™ in an effort to reduce design cycles and to speed up the development process. More information is available on the web at www.mician.com.

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