

E-System Design, Inc. Releases Advanced Analysis Kit Starting at \$495.00 and New Flexible Pricing Model

Signal and Power Integrity Co-simulation and analysis for IC packaging and PCB design just got a whole lot easier and much more affordable.

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E-System Design, Inc. today announced the release of advanced analysis kits, and a new flexible and affordable pricing model for its family of revolutionary “Sphinx” Co-simulator products. Starting today, E-System Design will be offering advanced analysis kits, and monthly licensing options in addition to the more traditional annual and perpetual licensing options for its products.

“Sphinx” and “Sphinx for Signoff” are revolutionary new Signal and Power Integrity Co-Simulators for IC packaging and printed circuit board design. The Sphinx product family uses a unique methodology (M-FDM) that is both extremely accurate as well as very efficient. Since its introduction 2 years ago, numerous customers have *validated* Sphinx’s accuracy and simulation run times. Many of these evaluations were performed on advanced and complex packages and printed circuit boards that other commercially available tools *could not* simulate accurately. The simple yet powerful GUI in both these products is very easy to learn, easy to use, and is compatible with industry standard tools flows.

Sphinx, a 32-bit version of the Co-simulator allows designers to accurately co-simulate both Signal and Power Integrity, and simulate multiple layers of their designs to accurately capture the coupling effects not seen in critical path analysis or signal integrity only analysis in many existing IC packaging and PCB design flows.

Sphinx for Signoff, a 64-bit version of the Co-simulator allows designers to simulate signal and power integrity in parallel, and in most cases to co-simulate the entire design in order to capture all of the coupling effects found in today’s complex structures. In addition, a Sphinx Console is included in the 64 bit product that allows scripting and batch operations to improve productivity and achieve faster design closure.

Advanced Analysis Kits are available now and include:

- A 2+ hour video seminar on Designing for Signal and Power Integrity presented by our CTO and Georgia Institute of Technology Distinguished Professor, Madhavan Swaminathan, covering the basics of SI/PI integrity, interaction between signal and power, identifying return path discontinuities, advanced concepts and a reliable methodology for reaching fast and accurate design closure.
- A copy of the book: “Power Integrity Modeling and Design for Semiconductors and Systems” –Prentice Hall, by Madhavan Swaminathan
- Applications videos to help resolve problems commonly found in today’s designs using Sphinx along with training videos on how to use Sphinx.
- A 30 day evaluation license of Sphinx or Sphinx for Signoff

The pricing for the Advanced Analysis Kits is \$495.00 for Sphinx and \$995.00 for Sphinx for Signoff, and can be ordered directly from the E-System Design website at www.e-systemdesign.com

In addition to the Advanced Analysis Kits, customers can now begin licensing Sphinx and Sphinx for Signoff on a new monthly “pay as you go” basis. This allows designers to add Sphinx to their design flows without having to wait for a large capital expense approval and gain access to analysis when needed. Pricing for monthly, annual and perpetual license options are available upon request.

Additional features of Sphinx and Sphinx for Signoff include:

- Support for DXF, MCM, BRD and SiP file formats
- Perform quick ‘what if analysis’ by allowing users to modify their existing designs inside of Sphinx and Sphinx for Signoff (Can add or delete, layers, transmission lines, vias, and capacitors)
- Add vendors’ capacitor libraries to ensure only approved capacitors are used in any ‘what if’ analysis
- View meshed design before simulation, removing any doubt whatsoever of ‘what’ is being analyzed

- Easily perform Time Domain analysis with an integrated and proven flow using Sphinx's Touchstone files that are converted into robust, passivity and causality conforming spice netlists using IdEM Plus
- Incorporate spice models of complete packages and PCBs from Idem Plus for system level analysis

“Sphinx's excellent correlation to measured results and its fast and efficient engine based on (M-FDM) allows engineers to quickly identify where problems exist, and reach design closure very quickly.” said Gene Jakubowski, CEO and co-founder of E-System Design. “These products will increase confidence and significantly shorten the time needed to release a design for manufacture. Flexibility in our price model now allows designers to acquire Sphinx and Sphinx for Signoff affordably and quickly for anyone considering a new purchase and an upgrade to their current design flows.”

Availability

Sphinx and Sphinx for Signoff are available now from E-System Design. For more information, please go our website: www.e-systemdesign.com or contact sales@e-systemdesign.com.

About E-System Design

E-System Design, Inc. is an industry leading provider of electronic design automation (EDA) tools for advanced electronic systems. Our focus is on System Integrity through the accurate modeling of highly integrated IC packages, printed circuit boards and systems, so our customers can achieve optimal performance and first pass manufacturing success. The company is headquartered in the metro Atlanta, GA area, with direct and third party sales and support services available throughout the world to better serve the electronics industry. Additional information about E-System Design, our products, and our technology is available at www.e-systemdesign.com.

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