New GenRad design group unveils HILO-3

HILO-3, an integrated logic simulation system for design validation, fault simulation and test generation, has been introduced by GenRad’s new Design Engineering Group. The system, an evolution of HILO-2, has a new capability for modeling MOS logic structures and a new fault algorithm, which the company says runs five times faster than HILO-2.

HILO-3 accommodates designs ranging from simple gate-level designs to complex VLSI functions. Engineers can verify the functionality of their design, examine circuit behavior in the presence of faults, and generate production test data.

HILO-3 is available as a stand-alone application on a variety of computer systems—including DEC, IBM and Hewlett-Packard—or as an integrated application on workstations from CAE Systems, Intergraph, Metheus-CV and Computervision. The company says other CAE workstation and CAE software vendors can supply interfaces to HILO-3.

HILO-3 is priced between $18,000 and $200,000, depending on the target hardware configuration.

GenRad’s Design Engineering Group is the result of the merger of the company’s Engineering Test Products unit in Santa Clara, California, and Cirrus Computers, Ltd. in England. The group will be responsible for conducting GenRad’s business in the design engineering market.

Computervision system, Metheus-CV linked

Computervision has integrated its back-end CAD/CAM design system with the front-end CAE system developed by Metheus-CV, a company created last year by Computervision and Metheus Corporation.

Metheus-CV’s front-end software supports hierarchical logic design, simulation, and editing, and is closely coupled with GenRad’s HILO-2. Computervision’s CADD 4X back-end supports physical board layout and routing, mechanical packaging and manufacturing interfaces.

The company says the Metheus-CV system, running on a CDS 3721E workstation, links to CADD 4X by extracting information from the Metheus-CV database and preparing it for the CADD 4X automatic placement and routing programs, which are executed on a Computervision CDS 4000.

The Metheus-CV software and CDS 3721E workstation support an iconic interface, user-defined menus and alphanumeric entry. The CDS 3721E workstation is based on Motorola 6800 technology supporting Unix and Ethernet. The CDS 4000 system is a 32-bit, virtual memory system supporting up to 16 design terminals and concurrent electrical and mechanical applications.

For more information, contact Computervision Corp., 15 Crosby Dr., Bedford, MA 01730; (617) 275-1800.

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