Puzzled about which way to go in computer simulation systems?

HYSHARE™ could well be the solution to your simulation puzzle. Designed specifically for the multi-user, multi-application demands of busy and cost-conscious laboratories, HYSHARE has unprecedented flexibility and computational power.

Multi-user means multi-solutions. HYSHARE is a fully-integrated hybrid system that gives analog-only plus purely digital capabilities—simultaneously! Its EAI 3200 digital processor offers 32-bit true word size, 600ns cycle time, up to 256k words of core memory and complete peripherals as required.

EAI's HYSHARE interface, featuring dynamic resource allocation, makes all of this possible. Up to six analog processors (10V or 100V) are supported through this new linkage by the EAI 3200. Assign each analog unit to a single task—or link them in any combination to get just the right computational power you need, with speeds of 150-250 million operations per second!

Field-proven programming and hardware, seasoned with EAI's engineering creativity, makes it all work—and HYSHARE works well. And it's doing the job—already installed in more than half a dozen facilities!

HYSHARE is cost effective, people effective. Running under a no-nonsense Real Time Monitor and priority structure, HYSHARE can do all of these tasks concurrently—

• Control and interact with time-critical, interrupt-driven hybrid simulation runs.
• Serve as a time-shared scientific digital computer that cuts costs, eliminates dependency on external digital resources.
• Set up, check and debug additional hybrid programs without interference with other operations.
• Develop new models via EAI's ECSSL Program Generation System, deciding at compilation time whether to go hybrid or digital.

Analog-Digital-Hybrid HYSHARE Puts It All Together

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