

Resources

New SPEC Suite

SPEC has just announced an updated suite of benchmarks, now called CINT92 and CFP92. CINT92 includes six integer programs, while CFP92 includes nine double-precision and five single-precision floating-point programs. The new suites eliminate some of the programs that were subject to special-purpose optimizations, such as matrix300, and double the total number of benchmarks in the suite. Two new metrics, SPECint92 and SPECfp92, will replace the existing SPECmark metric.

The benchmarks are available in source-code form on a QIC-24 tape. The integer suite costs \$425, and the floating-point suite costs \$575; both together cost \$900. A license agreement must be signed before the tape can be shipped. To have benchmark results published in the SPEC newsletter, your company must be a member of the SPEC organization and conform to SPEC's reporting and measurement guidelines. Members must pay an initiation fee of \$10,000 and annual dues of \$5000.

To get the official releases of SPEC benchmark results, you can subscribe to the SPEC newsletter. Published quarterly, the newsletter costs \$399 per year (\$409 outside U.S. and Canada), and it includes a one-page summary of the system configuration and benchmark results for each system for which the vendor has submitted results in the preceding quarter. (Note that many unofficial SPEC results appear in the press and in vendor's materials, but are not included in the SPEC newsletter.)

To order the tape or newsletter or request more information, contact Diane Dean, SPEC Administrator, NCGA, 2722 Merrilee Dr., Suite 200, Fairfax, VA 22031; 703/698-9600, ext. 318; fax 703/560-2752.

Hard Drive Encyclopedia

Annabooks has published the *Hard Drive Encyclopedia*, a comprehensive reference on PC-compatible hard disk drives. In addition to describing interface standards such as ESDI, SCSI, and IDE, it provides information on over 1600 different drives. Also covered are encoding schemes, file formats, controller parameters, and BIOS tables.

This reference provides a remarkable amount of information for \$89. It is available direct from Annabooks, 12145 Alta Carmel Ct., Suite 250-262, San Diego, CA 92128; phone 800/462-1042 or 619/271-9526; fax 619/592-0061.

PA-RISC Architecture Reference

Hewlett-Packard's *PA-RISC 1.1 Architecture and Instruction Set Reference Manual* is now available. The manual is priced at \$45, and can be ordered by calling 800/538-8787. The part number is 09740-90039.

SPARC MBus and SCD Specs Available

In addition to the SPARC Version 8 Architecture Manual (see μ PR 12/26/91, p. 20), SPARC International has published two additional specifications. The *MBus Interface Specification*, version 1.2, provides a comprehensive description of the bus that is used by Cypress' 7C604/605 CMU chips as well as SuperSPARC and other next-generation SPARC processors. The price is \$39.50 (\$19.20 for SI members). The *SPARC Compliance Definition* (SCD), version 1.1, defines the operating system interfaces that compliant systems must provide to ensure binary compatibility with SPARC applications. It is based on Sun's SunOS 4.1 and its associated libraries and utilities. The price is \$45 (\$37 for SI members). To order, call SI at 415/321-8692, ext. 257.

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