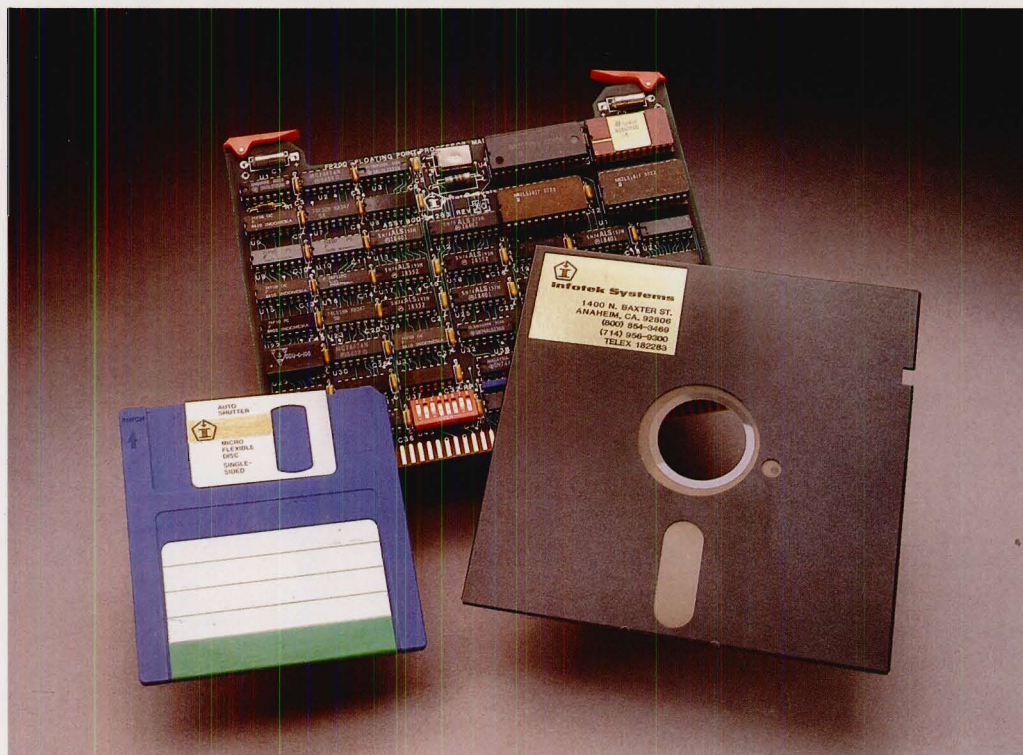


FP 200 PASCAL Language Software



INCREASED ARITHMETIC PERFORMANCE

ARITHMETIC OPERATION	WITHOUT THE FP 200	WITH THE FP 200	PERFORMANCE RATIO
ADD	114	61	1.9
SUBTRACT	127	61	2.1
MULTIPLY	263	63	4.2
DIVIDE	400	69	5.8
SQRT	1848	266	6.9
SIN	3783	589	6.4
COS	4150	649	6.4
ATN	3874	554	7.0
EXP	3460	541	6.4
LN	3727	576	6.5

The figures represent typical floating point execution times in PASCAL for 64 bit operations with and without the FP 200. The execution times are in microseconds and include the system overhead necessary to execute each operation.

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TOTALLY TRANSPARENT OPERATION

The FP 200 greatly improves the PASCAL language arithmetic capabilities of the Hewlett-Packard Series 200 computers. The fundamental floating point arithmetic operations execute 1.9 to 5.8 times faster. The transcendental functions execute 6.4 to 7.0 times faster. Programs which make extensive use of the transcendental functions will show the most dramatic speed improvement.

In the PASCAL language system, the FP 200 performs the floating point arithmetic operations of addition, subtraction, multiplication and division. System programs invoke the FP 200 during the computation of the transcendental functions. The transcendental functions include square root, sine, cosine, arctangent, exponential and logarithm.

Use of the FP 200 with the PASCAL language system is totally transparent to the user; absolutely no program modifications are required. The results produced by the FP 200 are identical to the results obtained when the FP 200 is not used.

Interfacing the FP 200 with the PASCAL language system is very easy. One module must be added to the operating system. A stream file is provided which automatically adds the module to the system. The module requires approximately eight thousand bytes of memory.

How To Order

Infotek's system software is needed for all except assembly language programs.

When ordering the FP 200, please specify language and disk size.

Discounts

OEM, Government, educational and quantity discounts available. Please call for details.

INFOTEK SYSTEMS

1400 N. Baxter St., Anaheim, CA 92806,
Toll free (800) 227-0218. From California,
Alaska, Hawaii collect (714) 956-9300.
TELEX 182283

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GmbH
Neustraße 9
6231 Schwalbach/Ts.
West Germany
Telefon 06196 86067
TELEX 4 18310 insy d



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