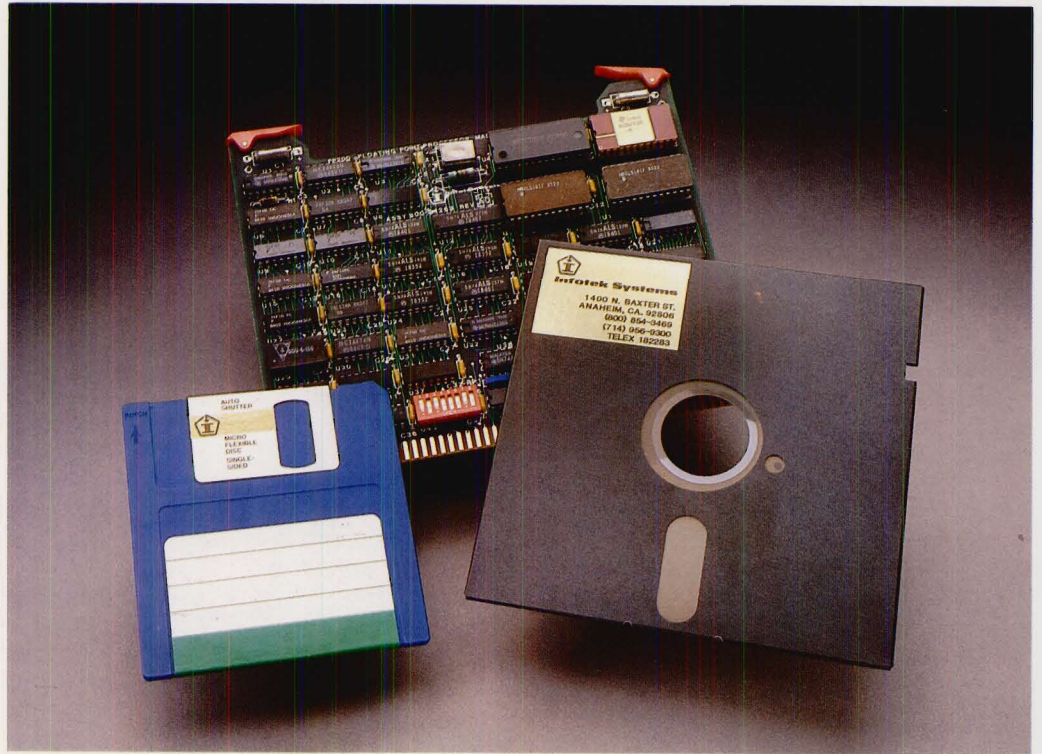


## FP 210 BASIC Language Software



### INCREASED ARITHMETIC PERFORMANCE

ARITHMETIC OPERATION	WITHOUT THE FP 210	WITH THE FP 210	PERFORMANCE RATIO
ADD	166	112	1.5
SUBTRACT	178	112	1.6
MULTIPLY	316	113	2.8
DIVIDE	450	117	3.8
SQRT	1960	241	8.1
SIN	4093	524	7.8
COS	4493	572	7.9
TAN	4223	519	8.1
ASN	5369	641	8.4
ACN	5367	644	8.3
ATN	4415	533	8.3
EXP	3730	496	7.5
LOG	3982	501	7.9
LGT	4245	533	8.0
POWER	7799	1117	7.0

The figures represent typical floating point execution times in BASIC 3.0 for 64 bit operations with and without the FP 210. The execution times are in microseconds and include the system overhead necessary to execute each operation.

**HP Computer Museum**  
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## TOTALLY TRANSPARENT OPERATION

The FP 210 greatly improves the BASIC language arithmetic capabilities of the Hewlett-Packard Series 200 computers. The fundamental floating point arithmetic operations execute 1.5 to 3.8 times faster. The transcendental functions execute 7.0 to 8.4 times faster. Programs which make extensive use of the transcendental functions will show the most dramatic speed improvement.

In the BASIC language system, the FP 210 performs the floating point arithmetic operations of addition, subtraction, multiplication and division. System programs invoke the FP 210 during the computation of the transcendental functions. The transcendental functions include square root, sine, cosine, tangent, arcsine, arccosine, arctangent, exponential, logarithm and power.

Use of the FP 210 with the BASIC language system is totally transparent to the user; absolutely no program modifications are required. The results produced by the FP 210 are identical to the results obtained when the FP 210 is not used.

Interfacing the FP 210 with the BASIC language system is very easy. The user loads one binary program which links the FP 210 to the operating system. This binary program requires approximately eight thousand bytes of memory.

Compiled subroutines may also be used with the FP 210. A compiled subroutine must be relinked to provide the proper interface to the FP 210.

### How To Order

Infotek's system software is needed for all except assembly language programs. When ordering the FP 210, please specify language, 2.0 or 3.0, and disk size.

### Discounts

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

#### INFOTEK SYSTEMS

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