APPLICATIONS FOR ARRAY PROCESSORS
Six reasons why you should have an Array Processor from Floating Point Systems.

1. **More computing power for the money.**
   At Floating Point Systems, we offer five array processors to meet a range of scientific and engineering applications. Attach one to your host computer and offload numerically-intensive calculations easily and cost-effectively...all for prices starting at $40,000 (U.S.) for 38-bit products. Our 64-bit systems start at less than $300,000 (U.S.)

2. **Greater precision for greater accuracy.**
   For large, high-precision applications, the 64-bit FPS-164 offers 15 decimal digits of precision. Our 38-bit array processors provide up to 8 decimal digits of precision — 2 digits greater than 32-bit formats — ideal for signal, image and geophysical processing applications.

3. **FORTRAN and more, for flexible programming.**
   For the FPS-164, our ANSI 77 FORTRAN Compiler generates code that optimizes use of the FPS-164’s architecture. Our new Single Job Executive (SJE) supports complete job processing in the FPS-164. Our FPS-164 math library offers over 400 FORTRAN-callable subroutines for additional performance.
   Our 38-bit array processors — the FPS-100, AP-120B, AP-180V and AP-190L — are supported by a comprehensive math library that offers over 450 FORTRAN-callable subroutines for signal, image, geophysical processing and other applications.

4. **Solutions in minutes instead of hours, hours instead of days.**
   Because of their unique parallel pipelined architecture, our array processors provide high-speed computational throughput — up to 12-million floating point operations per second, assuring faster project turn-around time.

5. **Large main data memory for bigger calculations.**
   The FPS-164 offers up to 58 Megabytes of main data memory (directly addressable), with a Disk Subsystem for up to 3,000 Megabytes of storage. Our 38-bit array processors also have large main data memory — these range from a maximum of 64K words for the FPS-100 to a maximum of 448K words for AP-190L. You can add on 80- or 300-Megabyte disk storage systems, and a General Purpose Intelligent I/O Processor to control A/D and D/A equipment for real-time applications.

6. **Superior reliability and worldwide support.**
   Our array processors have established impressive records for reliability and maintainability, and provide our customers with long-running, dependable operation. The FPS-164 features error-correcting memory, internal diagnostic system with a diagnostic microprocessor. Behind this reliability stands our strong support: service facilities at key locations throughout the world, remote diagnostics, documentation, installation, training and more.
   For further information, write today or call our nearest Sales Office...or our toll free number, (800) 547-1445.

The world leader in array processors.

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