CFP2000 Result

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Hewlett-Packard Company

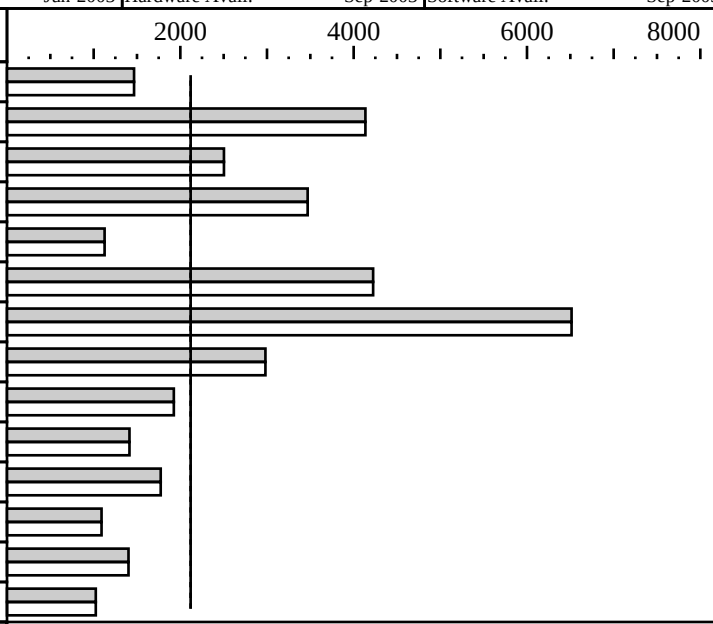
HP Integrity Server rx2600 (1500 MHz, Itanium 2)

SPECfp2000 = 2119

SPECfp_base2000 = 2119

SPEC license #: 3 | Tested by: HP Richardson | Test date: Jun-2003 | Hardware Avail: Sep-2003 | Software Avail: Sep-2003

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	109	1466	109	1466
171.swim	3100	75.0	4136	75.0	4136
172.mgrid	1800	71.9	2503	71.9	2503
173.applu	2100	60.5	3469	60.5	3469
177.mesa	1400	124	1126	124	1126
178.galgel	2900	68.6	4225	68.6	4225
179.art	2600	39.9	6514	39.9	6514
183.equake	1300	43.6	2982	43.6	2982
187.facerec	1900	98.7	1925	98.7	1925
188.ammp	2200	156	1413	156	1413
189.lucas	2000	113	1774	113	1774
191.fma3d	2100	193	1091	193	1091
200.sixtrack	1100	78.5	1402	78.5	1402
301.apsi	2600	254	1024	254	1024



Hardware

CPU:	Intel Itanium 2
CPU MHz:	1500
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip
CPU(s) orderable:	1-2
Parallel:	no
Primary Cache:	16KBI + 16KBD (on chip) per CPU
Secondary Cache:	256KB (on chip) per CPU
L3 Cache:	6.0MB (on chip) per CPU
Other Cache:	N/A
Memory:	12GB (12 * 1GB DIMMs)
Disk Subsystem:	1x36GB 10k RPM SCSI disk
Other Hardware:	N/A

Software

Operating System:	Red Hat Linux Advanced Server 2.1 (Update 2)
Compiler:	Intel C++ Compiler 7.1 for Linux64, Build 20030519 Intel Fortan Compiler 7.1 for Linux64, Build 20030519
File System:	ext3
System State:	Multi-user

Notes/Tuning Information

```
+FDO: PASS1=-prof_gen  PASS2=-prof_use
Base tuning flags:
         C programs: -ipo -O3 +FDO -ansi_alias
   Fortran programs: -ipo -O3 +FDO
Portability:
         178.galgel: -FI

Peak flags same as baseline (basepeak=true set globally)


Note:
  'ELILO boot: linux maxcpus=0' used to
  deconfigure other processors if necessary
  Kernel was built with the configuration of 64K page size.
```