CFP2000 Result

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Hewlett-Packard Company

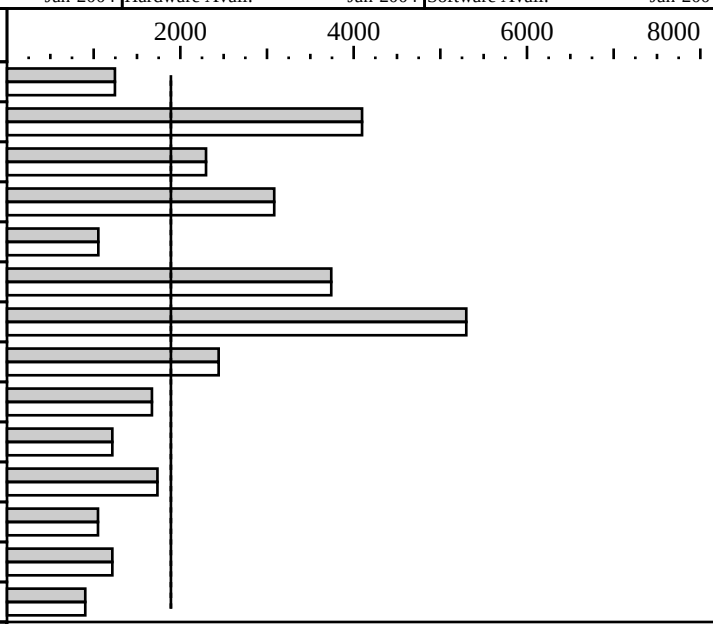
HP Integrity Server rx4640 (1300 MHz, Itanium 2)

SPECfp2000 = 1891

SPECfp_base2000 = 1891

SPEC license #: 3 | Tested by: HP Richardson | Test date: Jan-2004 | Hardware Avail: Jan-2004 | Software Avail: Jan-2004

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	128	1245	128	1245
171.swim	3100	75.7	4097	75.7	4097
172.mgrid	1800	78.4	2297	78.4	2297
173.applu	2100	68.1	3083	68.1	3083
177.mesa	1400	133	1054	133	1054
178.galgel	2900	77.5	3741	77.5	3741
179.art	2600	49.1	5299	49.1	5299
183.equake	1300	53.2	2442	53.2	2442
187.facerec	1900	114	1672	114	1672
188.ammp	2200	181	1215	181	1215
189.lucas	2000	115	1736	115	1736
191.fma3d	2100	200	1050	200	1050
200.sixtrack	1100	90.5	1215	90.5	1215
301.apsi	2600	288	903	288	903



Hardware

CPU:	Intel Itanium 2
CPU MHz:	1300
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip
CPU(s) orderable:	1-4
Parallel:	no
Primary Cache:	16KBI + 16KBD (on chip) per CPU
Secondary Cache:	256KB (on chip) per CPU
L3 Cache:	3.0MB (on chip) per CPU
Other Cache:	N/A
Memory:	32GB (16 * 2GB DIMMs)
Disk Subsystem:	1x36GB 10k RPM SCSI disk
Other Hardware:	N/A

Software

Operating System:	Red Hat Linux Advanced Server release 2.1AS (Update 2)
Compiler:	Intel C++ Compiler 8.0 for Linux, Build 20031017 Intel Fortan Compiler 8.0 for Linux, Build 20031017
File System:	ext3
System State:	Multi-user

Notes/Tuning Information

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