CFP2000 Result

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Hewlett-Packard Company

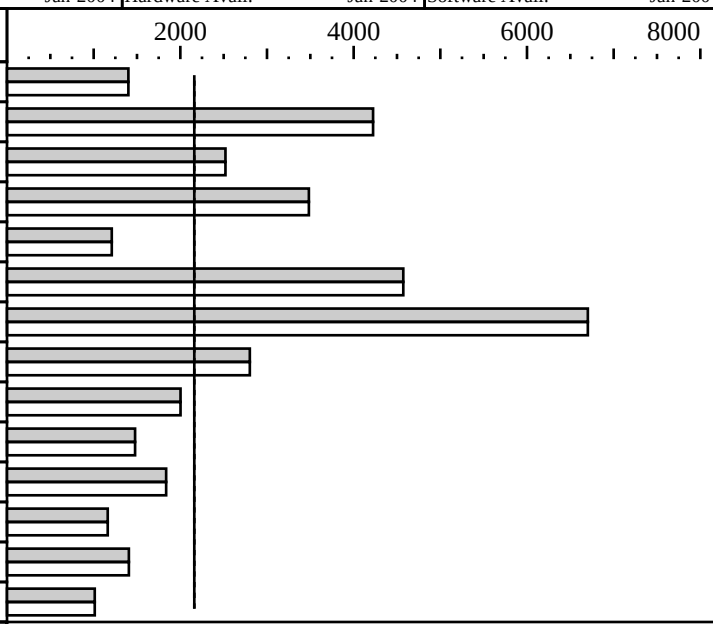
HP Integrity Server rx4640 (1500 MHz, Itanium 2)

SPECfp2000 = 2161

SPECfp_base2000 = 2161

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	114	1401	114	1401
171.swim	3100	73.4	4224	73.4	4224
172.mgrid	1800	71.4	2521	71.4	2521
173.applu	2100	60.3	3483	60.3	3483
177.mesa	1400	116	1209	116	1209
178.galgel	2900	63.4	4573	63.4	4573
179.art	2600	38.8	6702	38.8	6702
183.equake	1300	46.4	2802	46.4	2802
187.facerec	1900	94.9	2002	94.9	2002
188.ammp	2200	149	1478	149	1478
189.lucas	2000	109	1836	109	1836
191.fma3d	2100	181	1162	181	1162
200.sixtrack	1100	78.2	1406	78.2	1406
301.apsi	2600	257	1012	257	1012



Hardware

CPU:	Intel Itanium 2
CPU MHz:	1500
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:	6.0MB (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.
```