CFP2000 Result

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Hewlett-Packard Company

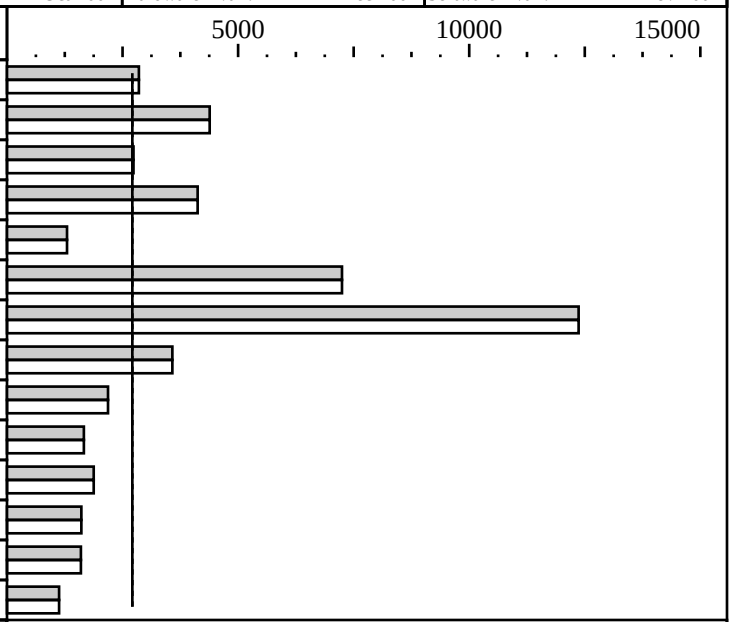
HP Integrity rx4640-8 (1.6GHz/9MB Itanium 2)

SPECfp2000 = 2712

SPECfp_base2000 = 2712

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	56.1	2853	56.1	2853
171.swim	3100	70.7	4385	70.7	4385
172.mgrid	1800	65.8	2736	65.8	2736
173.applu	2100	50.9	4125	50.9	4125
177.mesa	1400	108	1299	108	1299
178.galgel	2900	40.0	7247	40.0	7247
179.art	2600	21.0	12367	21.0	12367
183.equake	1300	36.3	3578	36.3	3578
187.facerec	1900	86.9	2186	86.9	2186
188.ammp	2200	132	1663	132	1663
189.lucas	2000	107	1876	107	1876
191.fma3d	2100	131	1609	131	1609
200.sixtrack	1100	68.8	1599	68.8	1599
301.apsi	2600	231	1127	231	1127



Hardware

CPU:	Intel Itanium 2
CPU MHz:	1600
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip
CPU(s) orderable:	4
Parallel:	no
Primary Cache:	16KBI + 16KBD on chip, per core
Secondary Cache:	256KB (I+D) on chip, per core
L3 Cache:	9.0MB (I+D) on chip, per core
Other Cache:	N/A
Memory:	32GB (16x2GB DIMMs)
Disk Subsystem:	1x36GB 15K SCSI
Other Hardware:	N/A

Software

Operating System:	Red Hat Linux Advanced Server release 3.0AS (Update 3)
Compiler:	Intel C++ Compiler 8.1 for Linux (Build 20041021) Intel Fortran Compiler 8.1 for Linux (Build 20041021)
File System:	ext3
System State:	Multi-user

Notes/Tuning Information

```
Base tuning flags:
         C programs: -fast -ansi_alias +FDO -IPF_fp_relaxed
   Fortran programs: -fast +FDO -IPF_fp_relaxed

Portability:
         178.galgel:  -FI
         187.facerec: srcalt=AllocShape

Peak flags same as baseline (basepeak=true set globally)
+FDO: PASS1=-prof_gen  PASS2=-prof_use

Note:
  EFI command "cpuconfig" used prior to booting to
  deconfigure other processors if necessary
```