CFP2000 Result

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Hewlett-Packard Company

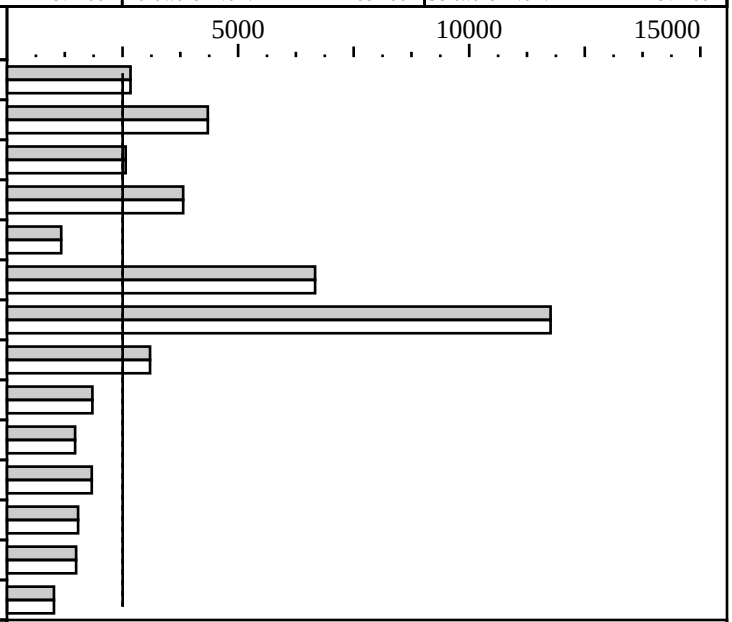
HP Integrity rx4640-8 (1.5GHz/4MB Itanium 2)

SPECfp2000 = 2502

SPECfp_base2000 = 2502

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	59.9	2672	59.9	2672
171.swim	3100	71.3	4345	71.3	4345
172.mgrid	1800	70.1	2568	70.1	2568
173.applu	2100	55.1	3811	55.1	3811
177.mesa	1400	119	1173	119	1173
178.galgel	2900	43.5	6665	43.5	6665
179.art	2600	22.1	11760	22.1	11760
183.equake	1300	42.0	3095	42.0	3095
187.facerec	1900	103	1848	103	1848
188.ammp	2200	149	1474	149	1474
189.lucas	2000	109	1834	109	1834
191.fma3d	2100	137	1538	137	1538
200.sixtrack	1100	73.5	1496	73.5	1496
301.apsi	2600	256	1016	256	1016



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 core
Secondary Cache:	256KB (I+D) on chip, per core
L3 Cache:	4.0MB (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

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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
```