CFP2000 Result

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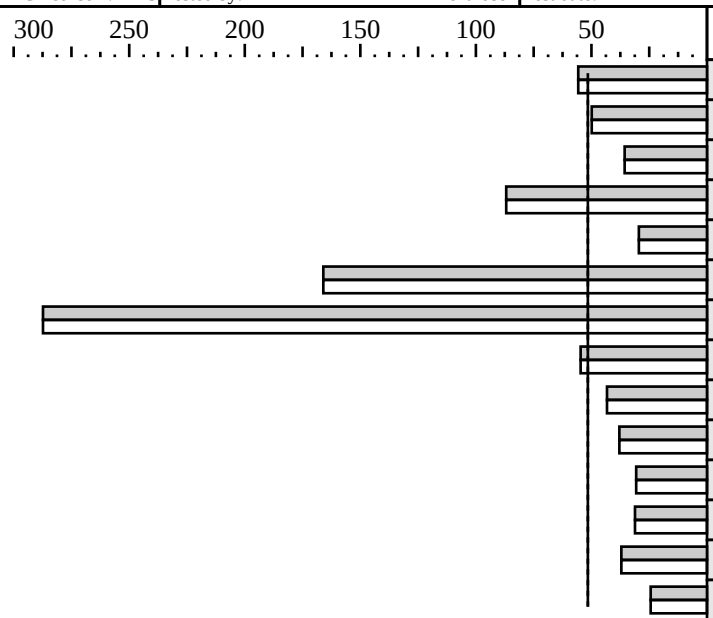
Hewlett-Packard Company

HP Integrity rx2620-2 (1.6GHz/6MB, Itanium 2)

SPECfp_rate2000 = 51.5

SPECfp_rate_base2000 = 51.5

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	66.6	55.7	2	66.6	55.7
171.swim	2	144	49.9	2	144	49.9
172.mgrid	2	117	35.6	2	117	35.6
173.applu	2	56.1	86.9	2	56.1	86.9
177.mesa	2	110	29.5	2	110	29.5
178.galgel	2	40.5	166	2	40.5	166
179.art	2	21.0	287	2	21.0	287
183.equake	2	55.2	54.7	2	55.2	54.7
187.facerec	2	102	43.3	2	102	43.3
188.ammp	2	135	37.9	2	135	37.9
189.lucas	2	151	30.6	2	151	30.6
191.fma3d	2	156	31.2	2	156	31.2
200.sixtrack	2	68.9	37.1	2	68.9	37.1
301.apsi	2	248	24.4	2	248	24.4

Hardware

CPU:	Intel Itanium 2 (1.6 GHz/6MB, 400MHz FSB)
CPU MHz:	1600
FPU:	Integrated
CPU(s) enabled:	2 cores, 2 chips, 1 core/chip
CPU(s) orderable:	1-2
Parallel:	no
Primary Cache:	16KBI + 16KBD on chip, per core
Secondary Cache:	256KB (I+D) on chip, per core
L3 Cache:	6.0MB (I+D) on chip, per core
Other Cache:	N/A
Memory:	24GB (12x2GB 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
```