CFP2000 Result

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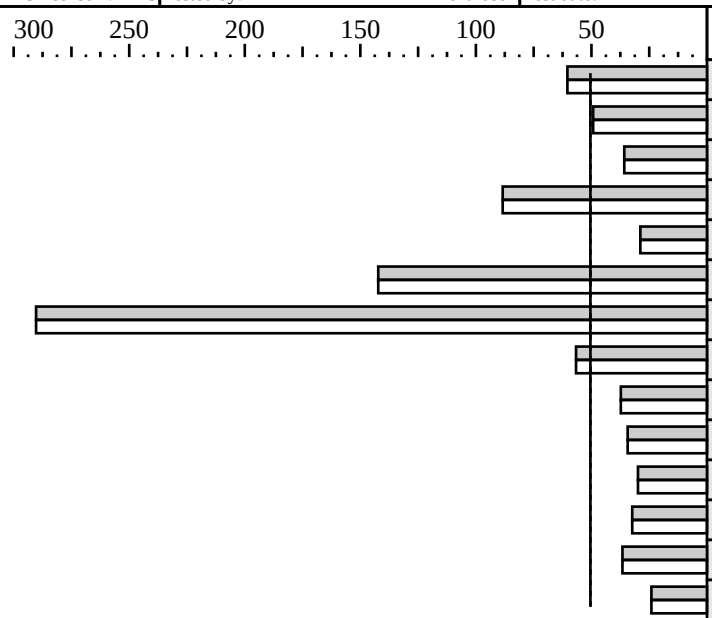
Hewlett-Packard Company

HP Integrity rx1620-2 (1.6GHz/3MB Itanium 2)

SPECfp_rate2000 = 50.4

SPECfp_rate_base2000 = 50.4

SPEC license #: 3 | Tested by: HP Richardson | Test date: Oct-2004 | Hardware Avail: Jan-2005 | Software Avail: Nov-2004



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	61.5	60.4	2	61.5	60.4
171.swim	2	146	49.3	2	146	49.3
172.mgrid	2	117	35.8	2	117	35.8
173.applu	2	55.1	88.4	2	55.1	88.4
177.mesa	2	113	28.8	2	113	28.8
178.galgel	2	47.3	142	2	47.3	142
179.art	2	20.8	290	2	20.8	290
183.equake	2	53.2	56.7	2	53.2	56.7
187.facerec	2	118	37.3	2	118	37.3
188.ammp	2	149	34.3	2	149	34.3
189.lucas	2	155	29.9	2	155	29.9
191.fma3d	2	151	32.3	2	151	32.3
200.sixtrack	2	69.8	36.6	2	69.8	36.6
301.apsi	2	251	24.1	2	251	24.1

Hardware

CPU:	Intel Itanium 2 (1.6 GHz/3MB, 533 MHz 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:	3.0MB (I+D) on chip, per core
Other Cache:	N/A
Memory:	16GB (8x2GB 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
```