CFP2000 Result

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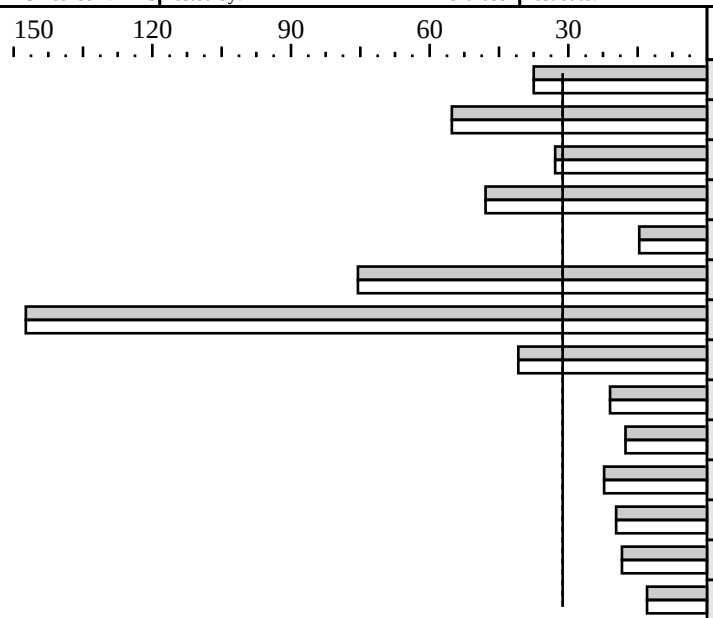
Hewlett-Packard Company

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

SPECfp_rate2000 = 31.2

SPECfp_rate_base2000 = 31.2

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	1	49.5	37.5	1	49.5	37.5
171.swim	1	65.1	55.2	1	65.1	55.2
172.mgrid	1	63.6	32.8	1	63.6	32.8
173.applu	1	50.8	47.9	1	50.8	47.9
177.mesa	1	111	14.7	1	111	14.7
178.galgel	1	44.5	75.5	1	44.5	75.5
179.art	1	20.5	147	1	20.5	147
183.equake	1	36.9	40.8	1	36.9	40.8
187.facerec	1	105	21.0	1	105	21.0
188.ammp	1	145	17.6	1	145	17.6
189.lucas	1	104	22.3	1	104	22.3
191.fma3d	1	124	19.7	1	124	19.7
200.sixtrack	1	69.3	18.4	1	69.3	18.4
301.apsi	1	233	13.0	1	233	13.0

Hardware

CPU:	Intel Itanium 2 (1.6 GHz/3MB, 533 MHz FSB)
CPU MHz:	1600
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 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

```
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
```