CFP2000 Result

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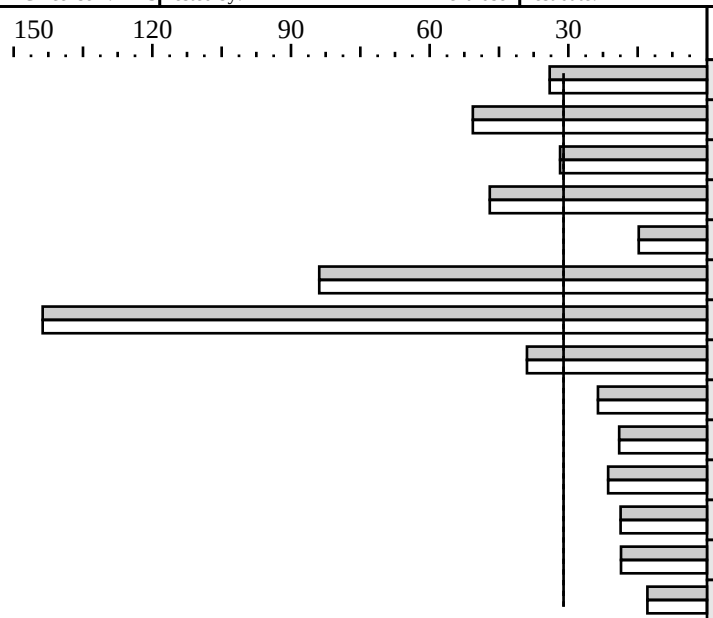
Hewlett-Packard Company

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

SPECfp_rate2000 = 31.0

SPECfp_rate_base2000 = 31.0

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	1	54.5	34.0	1	54.5	34.0
171.swim	1	71.0	50.7	1	71.0	50.7
172.mgrid	1	65.7	31.8	1	65.7	31.8
173.applu	1	51.8	47.0	1	51.8	47.0
177.mesa	1	110	14.8	1	110	14.8
178.galgel	1	40.1	83.9	1	40.1	83.9
179.art	1	21.0	144	1	21.0	144
183.equake	1	38.7	39.0	1	38.7	39.0
187.facerec	1	93.4	23.6	1	93.4	23.6
188.ammp	1	134	19.0	1	134	19.0
189.lucas	1	108	21.4	1	108	21.4
191.fma3d	1	130	18.7	1	130	18.7
200.sixtrack	1	68.6	18.6	1	68.6	18.6
301.apsi	1	234	12.9	1	234	12.9

Hardware

CPU:	Intel Itanium 2 (1.6 GHz/6MB, 400MHz 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:	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

```
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
```