CFP2000 Result

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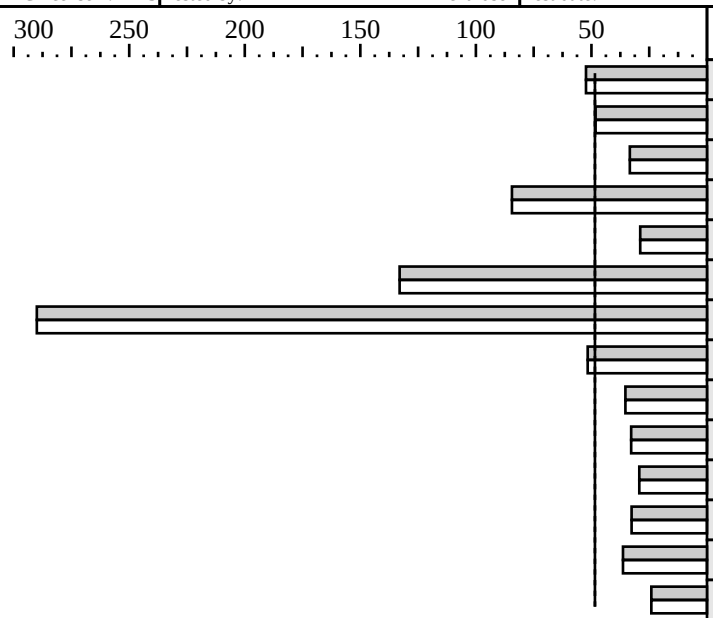
Hewlett-Packard Company

HP Integrity rx2620-2 (1.6GHz/3MB Itanium 2)

SPECfp_rate2000 = 48.5

SPECfp_rate_base2000 = 48.5

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	70.9	52.4	2	70.9	52.4
171.swim	2	149	48.2	2	149	48.2
172.mgrid	2	125	33.4	2	125	33.4
173.applu	2	57.7	84.4	2	57.7	84.4
177.mesa	2	112	28.9	2	112	28.9
178.galgel	2	50.6	133	2	50.6	133
179.art	2	20.8	290	2	20.8	290
183.equake	2	58.4	51.6	2	58.4	51.6
187.facerec	2	125	35.3	2	125	35.3
188.ammp	2	156	32.8	2	156	32.8
189.lucas	2	158	29.3	2	158	29.3
191.fma3d	2	149	32.6	2	149	32.6
200.sixtrack	2	70.2	36.4	2	70.2	36.4
301.apsi	2	250	24.1	2	250	24.1

Hardware

CPU:	Intel Itanium 2
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:	24GB (12x2GB DIMMs)
Disk Subsystem:	1x146GB 10K 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
```