CFP2000 Result

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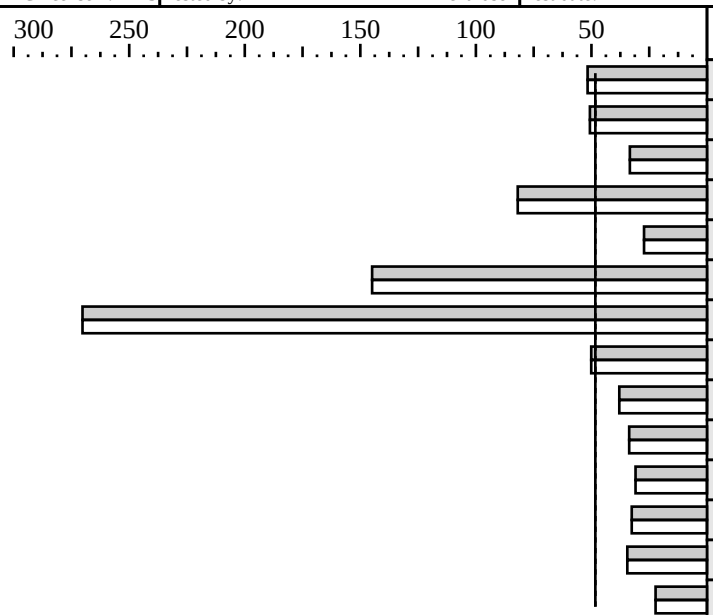
Hewlett-Packard Company

HP Integrity rx4640-8 (1.5GHz/4MB Itanium 2)

SPECfp_rate2000 = 48.3

SPECfp_rate_base2000 = 48.3

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	71.8	51.7	2	71.8	51.7
171.swim	2	142	50.7	2	142	50.7
172.mgrid	2	125	33.4	2	125	33.4
173.applu	2	59.5	81.9	2	59.5	81.9
177.mesa	2	119	27.2	2	119	27.2
178.galgel	2	46.4	145	2	46.4	145
179.art	2	22.3	270	2	22.3	270
183.equake	2	60.2	50.1	2	60.2	50.1
187.facerec	2	116	37.9	2	116	37.9
188.ammp	2	152	33.7	2	152	33.7
189.lucas	2	150	30.9	2	150	30.9
191.fma3d	2	150	32.6	2	150	32.6
200.sixtrack	2	74.0	34.5	2	74.0	34.5
301.apsi	2	271	22.3	2	271	22.3

Hardware

CPU:	Intel Itanium 2
CPU MHz:	1500
FPU:	Integrated
CPU(s) enabled:	2 cores, 2 chips, 1 core/chip
CPU(s) orderable:	1-4
Parallel:	no
Primary Cache:	16KBI + 16KBD on chip, per core
Secondary Cache:	256KB (I+D) on chip, per core
L3 Cache:	4.0MB (I+D) on chip, per core
Other Cache:	N/A
Memory:	32GB (16x2GB 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
```