CFP2000 Result

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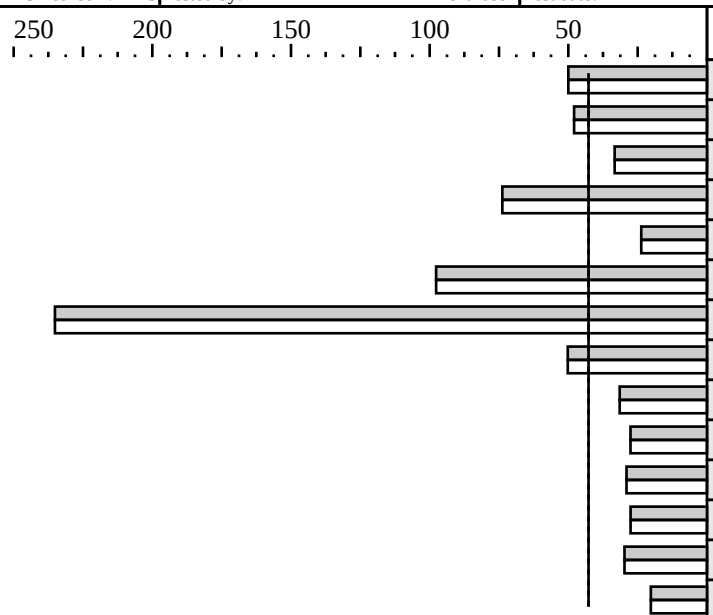
Hewlett-Packard Company

HP Integrity rx1620-2 (1.3GHz/3MB, Itanium 2)

SPECfp_rate2000 = 42.7

SPECfp_rate_base2000 = 42.7

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	74.2	50.0	2	74.2	50.0
171.swim	2	150	47.9	2	150	47.9
172.mgrid	2	125	33.3	2	125	33.3
173.applu	2	66.0	73.8	2	66.0	73.8
177.mesa	2	137	23.7	2	137	23.7
178.galgel	2	68.9	97.7	2	68.9	97.7
179.art	2	25.7	235	2	25.7	235
183.equake	2	60.1	50.2	2	60.1	50.2
187.facerec	2	140	31.5	2	140	31.5
188.ammp	2	185	27.6	2	185	27.6
189.lucas	2	160	29.0	2	160	29.0
191.fma3d	2	177	27.6	2	177	27.6
200.sixtrack	2	85.8	29.8	2	85.8	29.8
301.apsi	2	298	20.2	2	298	20.2

Hardware

CPU:	Intel Itanium 2 (1.3GHz/3MB, 400MHz FSB)
CPU MHz:	1300
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

```
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
```