CFP2000 Result

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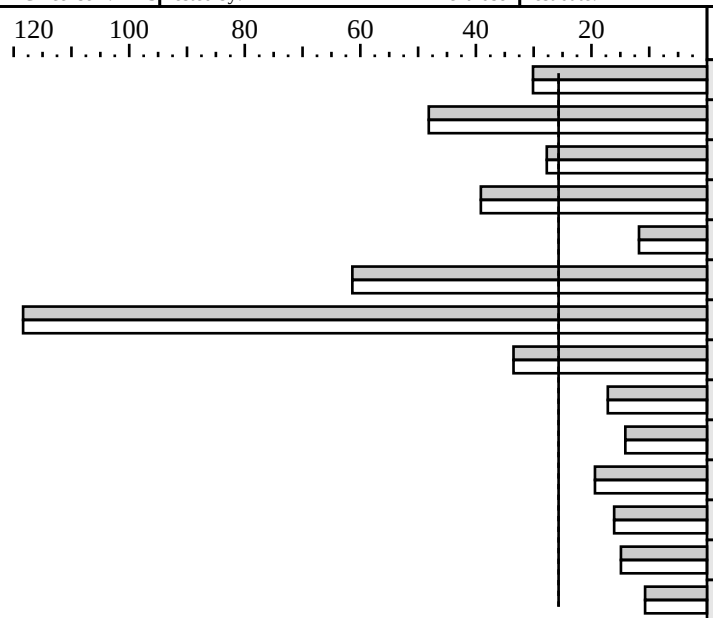
Hewlett-Packard Company

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

SPECfp_rate2000 = 25.7

SPECfp_rate_base2000 = 25.7

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	1	61.6	30.1	1	61.6	30.1
171.swim	1	74.7	48.2	1	74.7	48.2
172.mgrid	1	75.3	27.7	1	75.3	27.7
173.applu	1	62.2	39.1	1	62.2	39.1
177.mesa	1	138	11.8	1	138	11.8
178.galgel	1	54.8	61.4	1	54.8	61.4
179.art	1	25.5	118	1	25.5	118
183.equake	1	45.0	33.5	1	45.0	33.5
187.facerec	1	128	17.2	1	128	17.2
188.ammp	1	181	14.1	1	181	14.1
189.lucas	1	120	19.4	1	120	19.4
191.fma3d	1	152	16.1	1	152	16.1
200.sixtrack	1	85.7	14.9	1	85.7	14.9
301.apsi	1	281	10.7	1	281	10.7

Hardware

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