CFP2000 Result

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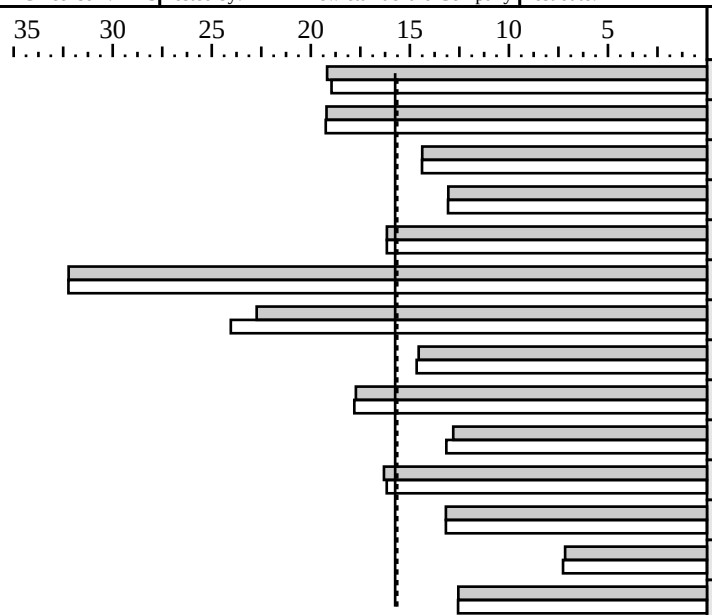
Hewlett-Packard Company

ProLiant BL30p (3.2GHz/2MB L3 cache, Intel Xeon)

SPECfp_rate2000 = 15.7

SPECfp_rate_base2000 = 15.6

SPEC license #: 3 | Tested by: Hewlett-Packard Company | Test date: Nov-2004 | Hardware Avail: Jul-2004 | Software Avail: Oct-2004



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	1	96.8	19.2	1	97.9	19.0
171.swim	1	187	19.2	1	187	19.2
172.mgrid	1	145	14.4	1	145	14.4
173.applu	1	187	13.1	1	186	13.1
177.mesa	1	101	16.2	1	100	16.2
178.galgel	1	104	32.2	1	104	32.2
179.art	1	133	22.7	1	125	24.0
183.equake	1	104	14.6	1	103	14.7
187.facerec	1	124	17.7	1	124	17.8
188.ammp	1	199	12.8	1	194	13.2
189.lucas	1	142	16.3	1	144	16.2
191.fma3d	1	185	13.2	1	185	13.2
200.sixtrack	1	178	7.16	1	176	7.27
301.apsi	1	240	12.6	1	240	12.6

Hardware

CPU:	Intel Xeon (3.2GHz, 533MHz bus)
CPU MHz:	3200
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip (HT Technology disabled)
CPU(s) orderable:	1,2
Parallel:	No
Primary Cache:	12K micro-ops I + 8KBD on chip
Secondary Cache:	512KB(I+D) on chip
L3 Cache:	2048KB(I+D) on chip
Other Cache:	N/A
Memory:	4x512MB PC2100
Disk Subsystem:	2x60GB ATA
Other Hardware:	

Software

Operating System:	Windows Server 2003 Standard (Build 3790)
Compiler:	Intel C++ Compiler 8.1 Build 20040802Z Intel Fortran Compiler 8.1 build 20041019Z Microsoft Visual Studio .NET 7.0.9466 (for libraries) MicroQuill Smartheap Library 7.0
File System:	NTFS
System State:	Default

Notes/Tuning Information

```
+FDO: PASS1=-Qprof_gen  PASS2=-Qprof_use
Base tuning for all programs: -Qipo -QxN -O3 +FDO ONESTEP=yes
Portability flags:
  178.galgel: -FI /F32000000
Peak tuning:
  168.wupwise:    -Qipo -QxN                              +FDO ONESTEP=yes
  171.swim:       -Qipo -QxN  -O3                         +FDO ONESTEP=yes
  172.mgrid:      -Qipo -QaxN -O3                         +FDO ONESTEP=yes
  173.applu:      -Qipo -QxN  -O3 -Qscalar_rep- -Qauto +FDO ONESTEP=yes
  177.mesa:       -Qipo -QxN  -O3                         +FDO ONESTEP=yes
  178.galgel:     -Qipo -QxN  -O3                         +FDO ONESTEP=yes
  179.art:        -Qipo -Oa -Qunroll4 -Zp4                     ONESTEP=yes
  183.equake:     -Qipo -QxN  -Oa -Qrcd                   +FDO ONESTEP=yes shlw32M.lib
  187.facerec:    -Qipo -QaxN -O3 -Qunroll1 -Qscalar_rep-  +FDO ONESTEP=yes
  188.ammp:             -QxN  -Oa                          ONESTEP=yes
  189.lucas:      -Qipo -QaxN
  191.fma3d:      basepeak=1
```

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Notes/Tuning Information (Continued)

```
  200.sixtrack:   -Qipo -QxN                          +FDO ONESTEP=yes
  301.apsi:       -Qipo -QxN  -O3                     +FDO ONESTEP=yes
BIOS Configuration Notes
  Hyper Threading disabled
```