CFP2000 Result

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Hewlett-Packard Company

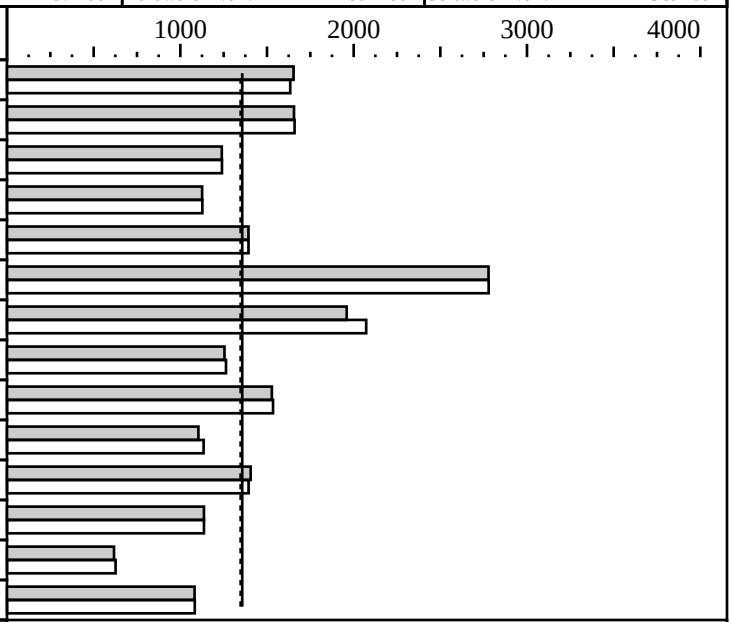
ProLiant BL30p (3.2GHz/2MB L3 cache, Intel Xeon)

SPECfp2000 = 1357

SPECfp_base2000 = 1348

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	96.8	1653	97.9	1634
171.swim	3100	187	1656	187	1659
172.mgrid	1800	145	1239	145	1240
173.applu	2100	187	1126	186	1127
177.mesa	1400	101	1393	100	1393
178.galgel	2900	104	2778	104	2779
179.art	2600	133	1960	125	2072
183.equake	1300	104	1255	103	1263
187.facerec	1900	124	1528	124	1535
188.ammp	2200	199	1104	194	1134
189.lucas	2000	142	1406	144	1394
191.fma3d	2100	185	1136	185	1136
200.sixtrack	1100	178	617	176	626
301.apsi	2600	240	1082	240	1083



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
```