CFP2000 Result

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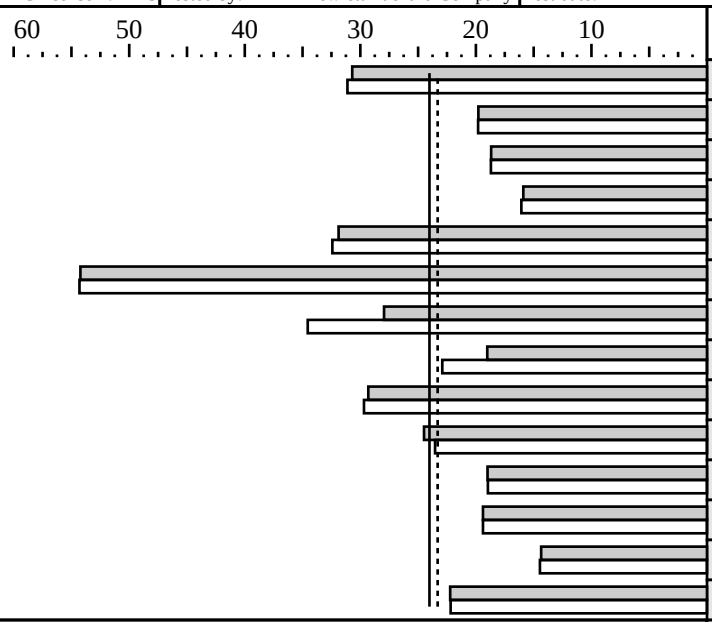
Hewlett-Packard Company

ProLiant DL360 G3 (3.2GHz/2MB L3 cache, Intel Xeon)

SPECfp_rate2000 = 24.0

SPECfp_rate_base2000 = 23.3

SPEC license #: 3 | Tested by: Hewlett-Packard Company | Test date: Apr-2004 | Hardware Avail: Feb-2004 | Software Avail: Feb-2004



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	121	30.7	2	119	31.1
171.swim	2	364	19.8	2	363	19.8
172.mgrid	2	224	18.7	2	223	18.7
173.applu	2	306	15.9	2	303	16.1
177.mesa	2	102	31.9	2	100	32.4
178.galgel	2	124	54.2	2	124	54.3
179.art	2	216	27.9	2	175	34.6
183.equake	2	159	19.0	2	132	22.9
187.facerec	2	150	29.3	2	149	29.7
188.ammp	2	208	24.5	2	217	23.5
189.lucas	2	244	19.0	2	245	19.0
191.fma3d	2	251	19.4	2	251	19.4
200.sixtrack	2	178	14.4	2	177	14.5
301.apsi	2	271	22.2	2	272	22.2

Hardware

CPU:	Intel Xeon (3.2GHz, 533MHz bus)
CPU MHz:	3200
FPU:	Integrated
CPU(s) enabled:	2 cores, 2 chips, 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:	1x36.4GB 15K Ultra320 SCSI
Other Hardware:	

Software

Operating System:	Windows Server 2003 Standard (Build 3790)
Compiler:	Intel C++ Compiler 8.0 Build 20031211Z Intel Fortran Compiler 8.0 build 20040125Z 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: -QxN -Qipo -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 shlw32M.lib ONESTEP=yes
  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
    HT Technology disabled
```