CFP2000 Result

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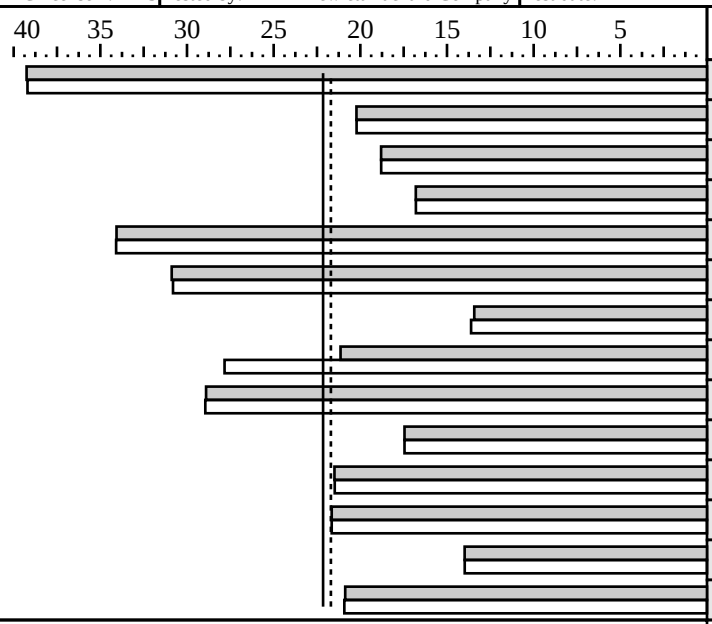
Hewlett-Packard Company
ProLiant DL360 G4 (3.4GHz, Intel Xeon)

SPECfp_rate2000 = 22.1

SPECfp_rate_base2000 = 21.7

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	94.6	39.3	2	94.7	39.2
171.swim	2	356	20.2	2	356	20.2
172.mgrid	2	222	18.8	2	222	18.8
173.applu	2	290	16.8	2	290	16.8
177.mesa	2	95.3	34.1	2	95.3	34.1
178.galgel	2	218	30.9	2	218	30.8
179.art	2	449	13.4	2	443	13.6
183.equake	2	143	21.1	2	108	27.8
187.facerec	2	153	28.9	2	152	28.9
188.ammp	2	292	17.5	2	292	17.5
189.lucas	2	216	21.5	2	216	21.5
191.fma3d	2	225	21.7	2	225	21.7
200.sixtrack	2	183	14.0	2	183	14.0
301.apsi	2	289	20.9	2	288	20.9

Hardware

CPU:	Intel Xeon (3.4GHz, 1MB L2, 800MHz bus)
CPU MHz:	3400
FPU:	Integrated
CPU(s) enabled:	2 cores, 2 chips, 1 core/chip (HT Technology disabled)
CPU(s) orderable:	1,2
Parallel:	No
Primary Cache:	16K micro-ops I + 16KBD on chip
Secondary Cache:	1024KB(I+D) on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	2x1024MB PC2700 DDR-333
Disk Subsystem:	1x250GB SATA
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
+FDO*: FDO (-QxP not used in PASS1 to enable cross-compilation)

Base tuning for All Programs: -QxP -fast -Qansi_alias +FDO*
Portability flags:
  178.galgel: -FI /F32000000
Peak tuning:
  168.wupwise:    -QxP  -fast -Qansi_alias                          +FDO*
  171.swim:       -QxP  -fast -Qansi_alias                          +FDO ONESTEP=yes
  172.mgrid:      -QxP  -fast -Qansi_alias                          +FDO*
  173.applu:      -QxP  -fast -Qscalar_rep- -Qauto -Qansi_alias     +FDO*
  177.mesa:       -QxP  -fast                                       +FDO* ONESTEP=yes
  178.galgel:     -QxP  -fast -Qansi_alias                          +FDO* ONESTEP=yes
  179.art:              -Oa   -Qipo -Qunroll4 -Zp4
 183.equake:     -QxP  -fast -Oa -Qrcd                        +FDO* ONESTEP=yes shlw32M.lib
  187.facerec:    -QaxP -fast -Qunroll1 -Qscalar_rep- -fpp          +FDO* ONESTEP=yes
  188.ammp:       basepeak=1
```

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Notes/Tuning Information (Continued)

```
    189.lucas:       -QxP  -fast -Qprefetch-                    +FDO*
    191.fma3d:       basepeak=1
    200.sixtrack:    -QxP  -fast                                +FDO*
    301.apsi:        -QxP  -fast                                +FDO*
  BIOS Configuration Notes
    HT Technology disabled
```