CFP2000 Result

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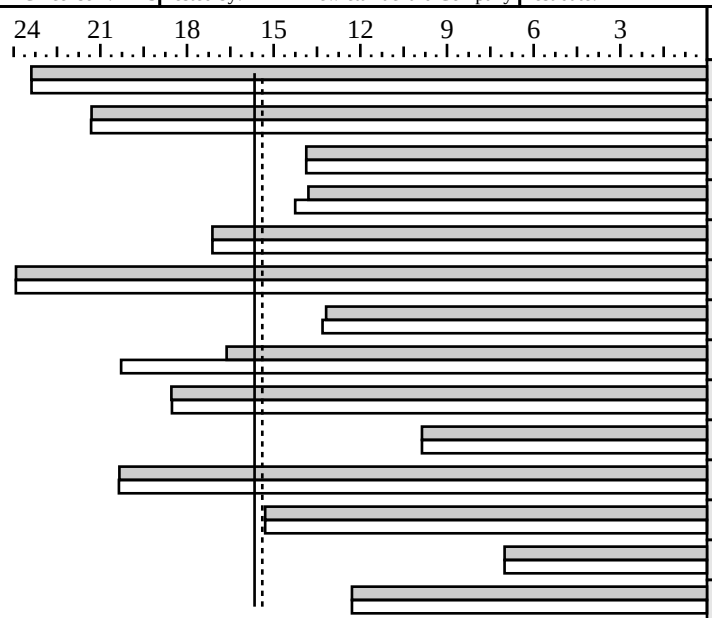
Hewlett-Packard Company
ProLiant DL360 G4 (3.4GHz, Intel Xeon)

SPECfp_rate2000 = 15.7

SPECfp_rate_base2000 = 15.4

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	1	79.4	23.4	1	79.4	23.4
171.swim	1	169	21.3	1	169	21.3
172.mgrid	1	151	13.9	1	151	13.9
173.applu	1	177	13.8	1	171	14.3
177.mesa	1	94.9	17.1	1	94.9	17.1
178.galgel	1	141	23.9	1	141	23.9
179.art	1	229	13.2	1	227	13.3
183.equake	1	90.7	16.6	1	74.4	20.3
187.facerec	1	119	18.5	1	119	18.5
188.ammp	1	259	9.87	1	259	9.87
189.lucas	1	114	20.3	1	114	20.4
191.fma3d	1	159	15.3	1	159	15.3
200.sixtrack	1	182	7.01	1	182	7.01
301.apsi	1	245	12.3	1	245	12.3

Hardware

CPU:	Intel Xeon (3.4GHz, 1MB L2, 800MHz bus)
CPU MHz:	3400
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 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
```