CFP2000 Result

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Hewlett-Packard Company

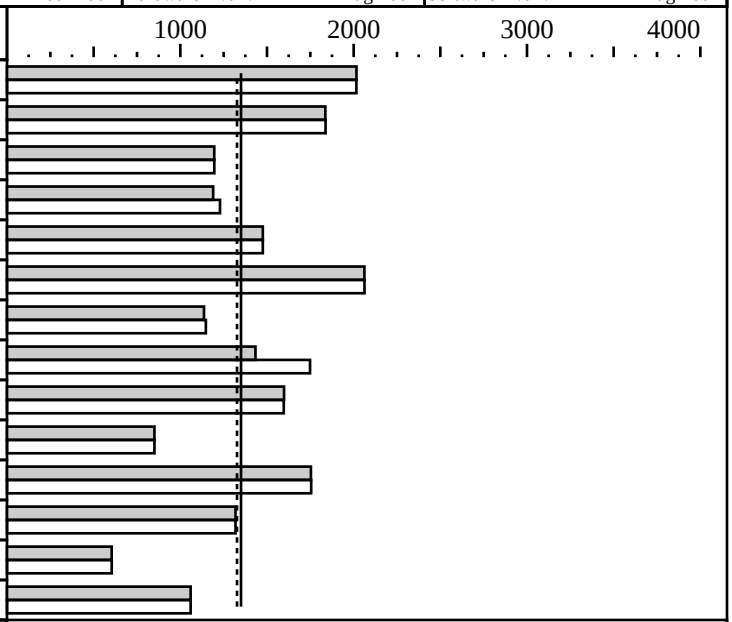
ProLiant DL360 G4 (3.4GHz, Intel Xeon)

SPECfp2000 = 1350

SPECfp_base2000 = 1327

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	79.4	2016	79.4	2016
171.swim	3100	169	1837	169	1838
172.mgrid	1800	151	1196	151	1196
173.applu	2100	177	1189	171	1229
177.mesa	1400	94.9	1476	94.9	1476
178.galgel	2900	141	2062	141	2062
179.art	2600	229	1137	227	1147
183.equake	1300	90.7	1433	74.4	1748
187.facerec	1900	119	1598	119	1597
188.ammp	2200	259	851	259	851
189.lucas	2000	114	1753	114	1755
191.fma3d	2100	159	1318	159	1318
200.sixtrack	1100	182	604	182	604
301.apsi	2600	245	1059	245	1059



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
```