CFP2000 Result

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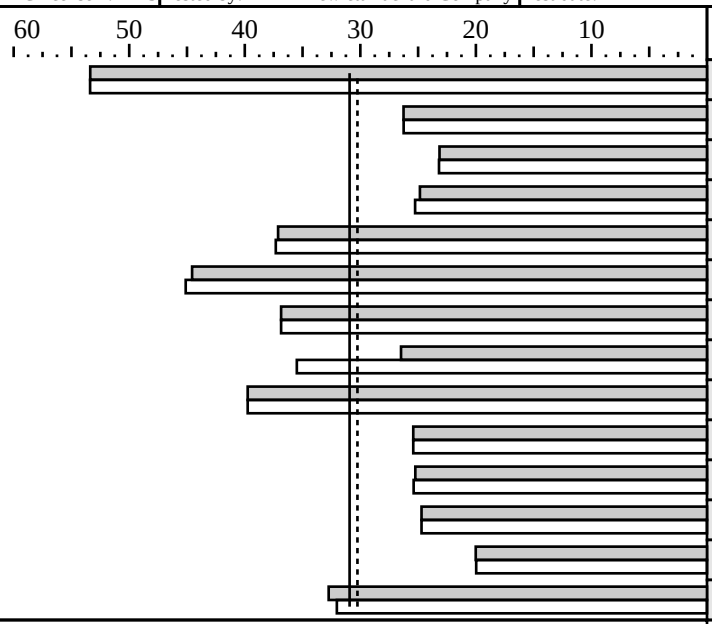
Hewlett-Packard Company

ProLiant DL360 G4p (3.6GHz, Intel Xeon)

SPECfp_rate2000 = 30.9

SPECfp_rate_base2000 = 30.2

SPEC license #: 3 | Tested by: Hewlett-Packard Company | Test date: Mar-2005 | Hardware Avail: Mar-2005 | Software Avail: Feb-2005



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	4	139	53.4	4	139	53.4
171.swim	4	548	26.3	4	548	26.3
172.mgrid	4	361	23.1	4	360	23.2
173.applu	4	392	24.8	4	386	25.3
177.mesa	4	175	37.1	4	174	37.3
178.galgel	4	302	44.6	4	298	45.1
179.art	4	327	36.9	4	327	36.9
183.equake	4	228	26.5	4	170	35.5
187.facerec	4	222	39.7	4	222	39.7
188.ammp	4	402	25.4	4	402	25.4
189.lucas	4	368	25.2	4	366	25.4
191.fma3d	4	394	24.7	4	394	24.7
200.sixtrack	4	255	20.0	4	256	20.0
301.apsi	4	368	32.7	4	377	32.0

Hardware

CPU:	Intel Xeon (3.6GHz, 2MB L2, 800MHz bus)
CPU MHz:	3600
FPU:	Integrated
CPU(s) enabled:	2 cores, 2 chips, 1 core/chip (Hyper-Threading Technology enabled)
CPU(s) orderable:	1,2
Parallel:	No
Primary Cache:	12K micro-ops I + 16KBD on chip
Secondary Cache:	2048KB(I+D) on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	4x2048MB PC2-3200 CL3 Dual-Rank DIMMs
Disk Subsystem:	1x36.4GB 10K U320
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 20040802Z 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 Base tuning:  -fast -Qansi_alias +FDO
Portability flags:
  178.galgel: -FI /F32000000
Peak tuning:
  168.wupwise:    -fast -Qansi_alias                    +FDO  ONESTEP=yes
  171.swim:       -fast                       -f77rtl +FDO  ONESTEP=yes
  172.mgrid:      -fast -Qansi_alias                    +FDO
  173.applu:      -fast -Qscalar_rep- -Qauto -f77rtl +FDO  ONESTEP=yes
  177.mesa:       -fast                                 +FDO  ONESTEP=yes
  178.galgel:     -fast                                 +FDO  ONESTEP=yes
  179.art:        basepeak=1
  183.equake:     -fast -Oa -Qrcd                       +FDO  ONESTEP=yes shlw32M.lib
  187.facerec:    basepeak=1
  188.ammp:       basepeak=1
  189.lucas:      -fast
```

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Notes/Tuning Information (Continued)

```
    191.fma3d:      basepeak=1
    200.sixtrack:   -fast                                  +FDO
    301.apsi:       -fast                        -f77rtl +FDO ONESTEP=yes
  BIOS Configuration Notes
    Hyper-Threading Technology enabled
```