



# CFP2000 Result

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Hewlett-Packard Company  
ProLiant DL360 G4p (3.6GHz, Intel Xeon)

SPECfp2000 = 1825  
SPECfp\_base2000 = 1800

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	61.6	2596	61.6	2598	
171.swim	3100	134	2320	134	2320	
172.mgrid	1800	117	1533	117	1534	
173.applu	2100	139	1506	140	1498	
177.mesa	1400	88.7	1578	88.7	1579	
178.galgel	2900	86.6	3350	86.5	3351	
179.art	2600	63.1	4119	63.1	4119	
183.quake	1300	65.8	1977	54.3	2392	
187.facerec	1900	102	1860	102	1860	
188.amp	2200	174	1263	174	1263	
189.lucas	2000	95.7	2091	95.0	2105	
191.fma3d	2100	141	1485	141	1485	
200.sixtrack	1100	169	649	169	650	
301.apsi	2600	197	1320	197	1320	

### Hardware

CPU: Intel Xeon (3.6GHz, 2MB L2, 800MHz bus)  
CPU MHz: 3600  
FPU: Integrated  
CPU(s) enabled: 1 core, 1 chip, 1 core/chip (Hyper-Threading Technology disabled)  
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.quake: -fast -Oa -Qrcd +FDO ONESTEP=yes shlw32M.lib
187.facerec: basepeak=1
188.amp: 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 disabled
```