



# CFP2000 Result

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Hewlett-Packard Company  
ProLiant DL380 G4 (3.6GHz, Intel Xeon)

SPECfp2000 = 1754  
SPECfp\_base2000 = 1729

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	63.8	2507	63.3	2529	
171.swim	3100	150	2066	144	2157	
172.mgrid	1800	122	1474	122	1480	
173.applu	2100	144	1454	145	1452	
177.mesa	1400	89.0	1573	89.0	1574	
178.galgel	2900	87.5	3314	87.0	3333	
179.art	2600	66.3	3921	66.3	3921	
183.quake	1300	69.5	1869	56.7	2293	
187.facerec	1900	101	1876	115	1655	
188.ampm	2200	176	1253	176	1253	
189.lucas	2000	107	1871	102	1968	
191.fma3d	2100	147	1432	147	1432	
200.sixtrack	1100	170	647	170	647	
301.apsi	2600	212	1229	209	1246	

### 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: 4x1024MB PC2-3200  
 Disk Subsystem: 1x18.2GB 15K Ultra320 SCSI  
 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: -fast -Qansi\_alias +FDO

Portability flags:

178.galgel: -FI /F32000000

Peak tuning:

168.wupwise: -fast -Qansi\_alias +FDO

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: -fast -Qunroll1 -Qscalar\_rep- -fpp +FDO ONESTEP=yes

188.ampm: basepeak=1



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## Notes/Tuning Information (Continued)

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