



# CFP2000 Result

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Hewlett-Packard Company  
ProLiant DL140 G2 (3.6GHz, Intel Xeon)

SPECfp2000 = 1808  
SPECfp\_base2000 = 1782

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	62.0	2579	62.0	2579	
171.swim	3100	136	2276	136	2276	
172.mgrid	1800	118	1520	118	1520	
173.applu	2100	142	1478	143	1471	
177.mesa	1400	88.8	1576	88.9	1575	
178.galgel	2900	82.5	3517	82.5	3515	
179.art	2600	65.1	3995	65.1	3995	
183.quake	1300	66.9	1943	55.0	2364	
187.facerec	1900	105	1813	105	1816	
188.ampm	2200	178	1236	178	1236	
189.lucas	2000	97.6	2048	96.9	2065	
191.fma3d	2100	142	1476	142	1476	
200.sixtrack	1100	169	650	169	650	
301.apsi	2600	199	1304	199	1304	

### 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: 8x1024MB PC2-3200  
Disk Subsystem: 1x36.4GB 15K Ultra320 SCSI  
Other Hardware:

### Software

Operating System: Windows Server 2003 Standard (Build 3790)  
Compiler: Intel C++ Compiler 8.1 Build 20050524Z  
Intel Fortran Compiler 8.1 build 20050517Z  
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)

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