



# CFP2000 Result

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

SPECfp\_rate2000 = 31.1  
SPECfp\_rate\_base2000 = 30.4

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	4	139	53.6	4	139	53.3
171.swim	4	562	25.6	4	562	25.6
172.mgrid	4	369	22.6	4	369	22.6
173.applu	4	396	24.6	4	394	24.7
177.mesa	4	176	36.9	4	175	37.2
178.galgel	4	273	49.3	4	270	49.8
179.art	4	341	35.4	4	341	35.4
183.equake	4	236	25.5	4	176	34.3
187.facerec	4	225	39.2	4	225	39.2
188.amp	4	404	25.3	4	404	25.3
189.lucas	4	371	25.0	4	371	25.0
191.fma3d	4	335	29.1	4	335	29.1
200.sixtrack	4	255	20.0	4	255	20.0
301.apsi	4	381	31.7	4	381	31.7

### 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: 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.equake:	-fast -Oa -Qrcd	+FDO ONESTEP=yes shlw32M.lib
187.facerec:	-fast -Qunroll1 -Qscalar_rep- -fpp	+FDO ONESTEP=yes
188.amp:	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 enabled