



# CFP2000 Result

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

SPECfp\_rate2000 = 21.5  
SPECfp\_rate\_base2000 = 21.2

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	2	122	30.5	2	122	30.5
171.swim	2	256	28.1	2	257	28.0
172.mgrid	2	213	19.6	2	213	19.6
173.applu	2	289	16.9	2	288	16.9
177.mesa	2	174	18.6	2	173	18.7
178.galgel	2	190	35.5	2	189	35.5
179.art	2	176	34.2	2	176	34.2
183.quake	2	117	25.8	2	95.8	31.5
187.facerec	2	176	25.0	2	176	25.0
188.amp	2	350	14.6	2	350	14.6
189.lucas	2	220	21.1	2	217	21.4
191.fma3d	2	282	17.2	2	282	17.2
200.sixtrack	2	254	10.0	2	254	10.0
301.apsi	2	359	16.8	2	359	16.8

### 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 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.quake: -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