



# CFP2000 Result

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**Hewlett-Packard Company**  
ProLiant DL580 G3 (3.0GHz, Dual-Core Intel(R) Xeon(R) processor)

SPECfp\_rate2000 = 15.5  
SPECfp\_rate\_base2000 = 15.2

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	1	83.7	22.2	1	83.7	22.2
171.swim	1	183	19.7	1	183	19.7
172.mgrid	1	149	14.0	1	149	14.0
173.applu	1	180	13.5	1	179	13.6
177.mesa	1	112	14.5	1	112	14.5
178.galgel	1	102	33.0	1	102	32.9
179.art	1	98.4	30.7	1	98.4	30.7
183.quake	1	94.9	15.9	1	70.8	21.3
187.facerec	1	167	13.2	1	167	13.2
188.amp	1	250	10.2	1	250	10.2
189.lucas	1	173	13.4	1	174	13.4
191.fma3d	1	193	12.7	1	193	12.7
200.sixtrack	1	188	6.79	1	188	6.78
301.apsi	1	256	11.8	1	256	11.8

### Hardware

CPU: Dual-Core Intel(R) Xeon(R) processor (3.0GHz, 2x2MB L2, 667MHz bus)  
CPU MHz: 3000  
FPU: Integrated  
CPU(s) enabled: 1 core, 1 chip, 2 cores/chip (Hyper-Threading Technology disabled)  
CPU(s) orderable: 1,2,4  
Parallel: No  
Primary Cache: 12K micro-ops I + 16KBD (on chip) per core  
Secondary Cache: 2048KB(I+D) (on chip) per core  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 4x1024MB PC2-3200  
Disk Subsystem: 1x72.8GB 15K Ultra320 SCSI  
Other Hardware:

### Software

Operating System: Windows Server 2003 Enterprise SP1  
Compiler: Intel C++ Compiler for 32-bit applications, (Version 9.0 Build 20050912Z)  
Intel Fortran Compiler for 32-bit applications, (Version 9.0 Build 20050912Z)  
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

+FDO ONESTEP=yes

172.mgrid: -fast -Qansi\_alias

+FDO

173.applu: -fast -Qscalar\_rep- -Qauto

+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 disabled
Other Configuration Notes
/NUMPROC=1 flag was added to boot.ini to invoke uniprocessor environment.
```