



# CFP2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

**Hewlett-Packard Company**  
ProLiant DL380 G4 (2.8GHz, Intel dual-core Xeon)

SPECfp\_rate2000 = 18.5  
SPECfp\_rate\_base2000 = 18.2

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

45 40 35 30 25 20 15 10 5					Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
					168.wupwise	1	70.8	26.2	1	70.8	26.2
					171.swim	1	136	26.5	1	136	26.5
					172.mgrid	1	144	14.5	1	144	14.5
					173.applu	1	159	15.3	1	157	15.5
					177.mesa	1	114	14.3	1	114	14.3
					178.galgel	1	98.8	34.0	1	98.9	34.0
					179.art	1	67.8	44.5	1	67.8	44.5
					183.quake	1	63.4	23.8	1	52.9	28.5
					187.facerec	1	117	18.8	1	117	18.8
					188.amp	1	214	12.0	1	214	12.0
					189.lucas	1	109	21.3	1	109	21.4
					191.fma3d	1	166	14.6	1	166	14.6
					200.sixtrack	1	199	6.42	1	199	6.42
					301.apsi	1	241	12.5	1	241	12.5

### Hardware

CPU: Intel dual-core Xeon (2.8GHz, 2x2MB L2, 800MHz bus)  
CPU MHz: 2800  
FPU: Integrated  
CPU(s) enabled: 1 core, 1 chip, 2 cores/chip (Hyper-Threading Technology disabled)  
CPU(s) orderable: 1,2  
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: 4x2048MB 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 20050624Z)  
Intel Fortran Compiler for 32-bit applications, (Version 9.0 Build 20050624Z)  
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

Standard Performance Evaluation Corporation

info@spec.org

http://www.spec.org



# CFP2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

Hewlett-Packard Company  
ProLiant DL380 G4 (2.8GHz, Intel dual-core Xeon)

SPECfp\_rate2000 = 18.5  
SPECfp\_rate\_base2000 = 18.2

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

## 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.
```