



# CFP2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

Hewlett-Packard Company  
ProLiant DL360 G4 (3.4GHz, Intel Xeon)

SPECfp\_rate2000 = 22.1  
SPECfp\_rate\_base2000 = 21.7

SPEC license #: 3 Tested by: Hewlett-Packard Company Test date: Jul-2004 Hardware Avail: Aug-2004 Software Avail: Aug-2004

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	94.6	39.3	2	94.7	39.2
171.swim	2	356	20.2	2	356	20.2
172.mgrid	2	222	18.8	2	222	18.8
173.applu	2	290	16.8	2	290	16.8
177.mesa	2	95.3	34.1	2	95.3	34.1
178.galgel	2	218	30.9	2	218	30.8
179.art	2	449	13.4	2	443	13.6
183.equake	2	143	21.1	2	108	27.8
187.facerec	2	153	28.9	2	152	28.9
188.amp	2	292	17.5	2	292	17.5
189.lucas	2	216	21.5	2	216	21.5
191.fma3d	2	225	21.7	2	225	21.7
200.sixtrack	2	183	14.0	2	183	14.0
301.apsi	2	289	20.9	2	288	20.9

### Hardware

CPU: Intel Xeon (3.4GHz, 1MB L2, 800MHz bus)  
CPU MHz: 3400  
FPU: Integrated  
CPU(s) enabled: 2 cores, 2 chips, 1 core/chip (HT Technology disabled)  
CPU(s) orderable: 1,2  
Parallel: No  
Primary Cache: 16K micro-ops I + 16KBD on chip  
Secondary Cache: 1024KB(I+D) on chip  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 2x1024MB PC2700 DDR-333  
Disk Subsystem: 1x250GB SATA  
Other Hardware:

### Software

Operating System: Windows Server 2003 Standard (Build 3790)  
Compiler: Intel C++ Compiler 8.0 Build 20031211Z  
Intel Fortran Compiler 8.0 build 20040125Z  
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  
+FDO\*: FDO (-QxP not used in PASS1 to enable cross-compilation)

Base tuning for All Programs: -QxP -fast -Qansi\_alias +FDO\*

Portability flags:

178.galgel: -FI /F32000000

Peak tuning:

168.wupwise: -QxP -fast -Qansi\_alias +FDO\*  
171.swim: -QxP -fast -Qansi\_alias +FDO ONESTEP=yes  
172.mgrid: -QxP -fast -Qansi\_alias +FDO\*  
173.applu: -QxP -fast -Qscalar\_rep- -Qauto -Qansi\_alias +FDO\*  
177.mesa: -QxP -fast +FDO\* ONESTEP=yes  
178.galgel: -QxP -fast -Qansi\_alias +FDO\* ONESTEP=yes  
179.art: -Oa -Qipo -Qunroll4 -Zp4  
183.equake: -QxP -fast -Oa -Qrcd +FDO\* ONESTEP=yes shlw32M.lib  
187.facerec: -QaxP -fast -Qunroll11 -Qscalar\_rep- -fpp +FDO\* ONESTEP=yes  
188.amp: basepeak=1



# CFP2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

Hewlett-Packard Company  
ProLiant DL360 G4 (3.4GHz, Intel Xeon)

SPECfp\_rate2000 = 22.1  
SPECfp\_rate\_base2000 = 21.7

SPEC license #: 3 | Tested by: Hewlett-Packard Company | Test date: Jul-2004 | Hardware Avail: Aug-2004 | Software Avail: Aug-2004

## Notes/Tuning Information (Continued)

189.lucas: -QxP -fast -Qprefetch- +FDO\*  
191.fma3d: basepeak=1  
200.sixtrack: -QxP -fast +FDO\*  
301.apsi: -QxP -fast +FDO\*  
BIOS Configuration Notes  
HT Technology disabled