



# CFP2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

## Hewlett-Packard Company

ProLiant ML350 G5 (3.0GHz, Intel Xeon processor 5160)

SPECfp\_rate2000 = 72.9

SPECfp\_rate\_base2000 = 72.0

SPEC license #: 3 Tested by: Hewlett-Packard Company Test date: Jun-2006 Hardware Avail: Jun-2006 Software Avail: May-2006

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	4	72.5	102	4	72.4	103
171.swim	4	348	41.3	4	348	41.3
172.mgrid	4	215	38.9	4	215	38.9
173.applu	4	252	38.6	4	252	38.6
177.mesa	4	51.3	127	4	50.9	128
178.galgel	4	61.7	218	4	61.7	218
179.art	4	61.5	196	4	61.5	196
183.quake	4	90.1	66.9	4	90.1	66.9
187.facerec	4	96.8	91.1	4	97.8	90.1
188.amp	4	151	67.4	4	126	80.8
189.lucas	4	221	42.0	4	221	42.0
191.fma3d	4	184	52.9	4	184	52.9
200.sixtrack	4	94.3	54.1	4	94.4	54.1
301.apsi	4	204	59.1	4	204	59.1

### Hardware

CPU: Intel Xeon processor 5160 (3.0GHz, 4MB L2 shared, 1333MHz bus)  
CPU MHz: 3000  
FPU: Integrated  
CPU(s) enabled: 4 cores, 2 chips, 2 cores/chip  
CPU(s) orderable: 1,2 chips  
Parallel: No  
Primary Cache: 32KBI + 32KBD (on chip) per core  
Secondary Cache: 4096KB(I+D) (on chip) shared  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 4x2048MB PC2-5300F  
Disk Subsystem: 1x146GB 15K SAS  
Other Hardware:

### Software

Operating System: Windows Server 2003 Enterprise SP1  
Compiler: Intel C++ Compiler for 32-bit applications, (Version 9.1 Build 20060323Z)  
Intel Fortran Compiler for 32-bit applications, (Version 9.1 Build 20060323Z)  
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 for Fortran programs: -fast -Qansi\_alias +FDO

Base tuning for C programs: -fast +FDO shlw32M.lib

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: basepeak=1

177.mesa: -fast +FDO ONESTEP=yes

178.galgel: basepeak=1

179.art: basepeak=1 +FDO ONESTEP=yes shlw32M.lib

183.quake: -fast -Oa -Qrcd +FDO ONESTEP=yes shlw32M.lib

187.facerec: -fast -Qunroll1 -Qscalar\_rep- +FDO ONESTEP=yes



# CFP2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

Hewlett-Packard Company  
ProLiant ML350 G5 (3.0GHz, Intel Xeon processor 5160)

SPECfp\_rate2000 = 72.9  
SPECfp\_rate\_base2000 = 72.0

SPEC license #: 3 | Tested by: Hewlett-Packard Company | Test date: Jun-2006 | Hardware Avail: Jun-2006 | Software Avail: May-2006

## Notes/Tuning Information (Continued)

188. ammp: -fast -Qansi\_alias +FDO  
189. lucas: -fast  
191. fma3d: basepeak=1  
200. sixtrack: -fast +FDO  
301. psi: basepeak=1  
BIOS Configuration Notes  
Power Regulator set to Static High Performance Mode