



# CFP2000 Result

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**Hewlett-Packard Company**  
ProLiant ML150 G3 (3.73 GHz, Intel Xeon processor 5080)

SPECfp\_rate2000 = 36.5  
SPECfp\_rate\_base2000 = 36.4

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	58.5	63.5	2	58.4	63.5
171.swim	2	215	33.4	2	215	33.4
172.mgrid	2	141	29.7	2	141	29.7
173.applu	2	177	27.5	2	177	27.5
177.mesa	2	87.5	37.1	2	87.1	37.3
178.galgel	2	86.0	78.3	2	86.0	78.3
179.art	2	74.6	80.9	2	74.6	80.9
183.quake	2	68.7	43.9	2	68.7	43.9
187.facerec	2	124	35.6	2	124	35.6
188.amp	2	197	25.9	2	190	26.9
189.lucas	2	153	30.4	2	153	30.4
191.fma3d	2	162	30.0	2	162	30.0
200.sixtrack	2	151	16.9	2	151	16.9
301.apsi	2	212	28.5	2	212	28.5

### Hardware

CPU: Intel Xeon processor 5080 (3.73 GHz, 2x2 MB L2, 1066 MHz bus)  
CPU MHz: 3730  
FPU: Integrated  
CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip (Hyper-Threading Technology disabled)  
CPU(s) orderable: 1, 2 chips  
Parallel: No  
Primary Cache: 12 K micro-ops I + 16 KB D on chip per core  
Secondary Cache: 2 MB I+D on chip per core  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 8 GB (4x2048 MB PC2-5300F)  
Disk Subsystem: 1x36 GB 15 K 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

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

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



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## 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  
Hyper-Threading Technology disabled