



# CFP2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

Hewlett-Packard Company  
ProLiant ML350 G4p (3.4GHz, Intel Xeon)

SPECfp\_rate2000 = 19.8  
SPECfp\_rate\_base2000 = 19.4

SPEC license #: 3 Tested by: Hewlett-Packard Company Test date: Mar-2005 Hardware Avail: Mar-2005 Software Avail: Nov-2004

| Benchmark    | Base Copies | Base Runtime | Base Ratio | Copies | Runtime | Ratio |
|--------------|-------------|--------------|------------|--------|---------|-------|
| 168.wupwise  | 1           | 64.9         | 28.6       | 1      | 65.9    | 28.2  |
| 171.swim     | 1           | 153          | 23.5       | 1      | 142     | 25.3  |
| 172.mgrid    | 1           | 127          | 16.4       | 1      | 124     | 16.8  |
| 173.applu    | 1           | 151          | 16.1       | 1      | 148     | 16.4  |
| 177.mesa     | 1           | 94.0         | 17.3       | 1      | 94.0    | 17.3  |
| 178.galgel   | 1           | 91.5         | 36.8       | 1      | 91.0    | 37.0  |
| 179.art      | 1           | 67.1         | 45.0       | 1      | 67.1    | 45.0  |
| 183.quake    | 1           | 69.2         | 21.8       | 1      | 58.1    | 26.0  |
| 187.facerec  | 1           | 107          | 20.6       | 1      | 107     | 20.6  |
| 188.amp      | 1           | 184          | 13.9       | 1      | 184     | 13.9  |
| 189.lucas    | 1           | 103          | 22.5       | 1      | 108     | 21.5  |
| 191.fma3d    | 1           | 152          | 16.1       | 1      | 152     | 16.1  |
| 200.sixtrack | 1           | 180          | 7.11       | 1      | 179     | 7.11  |
| 301.apsi     | 1           | 228          | 13.2       | 1      | 217     | 13.9  |

### Hardware

CPU: Intel Xeon (3.4GHz, 2MB L2, 800MHz bus)  
CPU MHz: 3400  
FPU: Integrated  
CPU(s) enabled: 1 core, 1 chip, 1 core/chip (Hyper-Threading Technology disabled)  
CPU(s) orderable: 1,2  
Parallel: No  
Primary Cache: 12K micro-ops I + 16KBD on chip  
Secondary Cache: 2048KB(I+D) on chip  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 6x2048MB PC2-3200 CL3 Dual-Rank DIMMs  
Disk Subsystem: 1x18.2GB 15K U320  
Other Hardware:

### Software

Operating System: Windows Server 2003 Standard (Build 3790)  
Compiler: Intel C++ Compiler 8.1 Build 20040802Z  
Intel Fortran Compiler 8.1 build 20040802Z  
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 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: basepeak=1  
188.amp: basepeak=1  
189.lucas: -fast



# CFP2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

Hewlett-Packard Company  
ProLiant ML350 G4p (3.4GHz, Intel Xeon)

SPECfp\_rate2000 = 19.8  
SPECfp\_rate\_base2000 = 19.4

SPEC license #: 3 | Tested by: Hewlett-Packard Company | Test date: Mar-2005 | Hardware Avail: Mar-2005 | Software Avail: Nov-2004

## Notes/Tuning Information (Continued)

```
191.fma3d:      basepeak=1
200.sixtrack:   -fast                +FDO
301.apsi:       -fast                -f77rtl +FDO ONESTEP=yes
BIOS Configuration Notes
Hyper-Threading Technology disabled
```