



# CFP2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

**Hewlett-Packard Company**  
ProLiant BL20P G4 (3.0GHz, Intel Xeon processor 5160)

SPECfp\_rate2000 = 31.6  
SPECfp\_rate\_base2000 = 31.4

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	1	42.6	43.5	1	42.6	43.5
171.swim	1	111	32.3	1	111	32.3
172.mgrid	1	99.9	20.9	1	99.9	20.9
173.applu	1	101	24.2	1	101	24.2
177.mesa	1	49.3	33.0	1	49.0	33.1
178.galgel	1	40.3	83.5	1	40.3	83.5
179.art	1	24.7	122	1	24.7	122
183.quake	1	41.3	36.5	1	41.3	36.5
187.facerec	1	71.1	31.0	1	71.2	30.9
188.amp	1	109	23.4	1	101	25.2
189.lucas	1	97.8	23.7	1	97.3	23.9
191.fma3d	1	102	23.9	1	102	23.9
200.sixtrack	1	91.6	13.9	1	91.6	13.9
301.apsi	1	164	18.4	1	164	18.4

### Hardware

CPU: Intel Xeon processor 5160 (3.0GHz, 4MB L2 shared, 1333MHz bus)  
CPU MHz: 3000  
FPU: Integrated  
CPU(s) enabled: 2 cores, 1 chip, 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: 8x1024MB PC2-5300F  
Disk Subsystem: 1x36GB 10K 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 Smarheap 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
188.amp: -fast -Qansi_alias +FDO
189.lucas: -fast
```



# CFP2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

Hewlett-Packard Company  
ProLiant BL20P G4 (3.0GHz, Intel Xeon processor 5160)

SPECfp\_rate2000 = 31.6  
SPECfp\_rate\_base2000 = 31.4

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

## Notes/Tuning Information (Continued)

```
191.fma3d:    basepeak=1
200.sixtrack: -fast                +FDO
301.apsi:     basepeak=1
BIOS Configuration Notes
Power Regulator set to Static High Performance Mode
```