



# CFP2000 Result

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**Hewlett-Packard Company**  
ProLiant BL460c (3.0GHz, Intel Xeon processor 5160)

SPECfp2000 = 2755  
SPECfp\_base2000 = 2739

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	41.8	3832	41.8	3831
171.swim	3100	109	2834	109	2833
172.mgrid	1800	99.5	1808	99.5	1808
173.applu	2100	98.6	2130	98.6	2130
177.mesa	1400	49.5	2829	49.1	2853
178.galgel	2900	40.4	7180	40.4	7180
179.art	2600	24.7	10532	24.7	10532
183.quake	1300	40.0	3246	40.0	3246
187.facerec	1900	70.4	2700	70.5	2695
188.amp	2200	108	2041	100	2191
189.lucas	2000	95.0	2105	94.5	2117
191.fma3d	2100	102	2068	102	2068
200.sixtrack	1100	91.6	1201	91.6	1201
301.apsi	2600	163	1596	163	1596

### 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: 2x36GB 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
```



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## 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
```