



# CFP2000 Result

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**Hewlett-Packard Company**  
ProLiant DL140 G3 (3.0 GHz, Intel Xeon processor 5160)

SPECfp2000 = **2792**  
SPECfp\_base2000 = **2784**

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	40.5	3954	40.5	3954	
171.swim	3100	121	2569	121	2570	
172.mgrid	1800	104	1738	104	1737	
173.applu	2100	94.1	2231	94.1	2231	
177.mesa	1400	50.2	2790	50.5	2775	
178.galgel	2900	40.5	7158	40.5	7158	
179.art	2600	24.9	10452	24.9	10452	
183.quake	1300	42.5	3059	42.5	3059	
187.facerec	1900	61.4	3095	61.5	3088	
188.amp	2200	108	2037	102	2153	
189.lucas	2000	74.9	2671	75.1	2662	
191.fma3d	2100	105	2004	105	2004	
200.sixtrack	1100	91.7	1199	91.7	1200	
301.apsi	2600	158	1649	158	1649	

### Hardware

CPU: Intel Xeon processor 5160 (1333 MHz system 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: 32 KB I + 32 KB D on chip per core  
Secondary Cache: 4 MB I+D on chip per chip  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 8 GB (8 x 1 GB PC2-5300F)  
Disk Subsystem: 2 x 36 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 20060816Z)  
Intel Fortran Compiler for 32-bit applications, (version 9.1 build 20060816Z)  
Microsoft Visual Studio .NET 7.0.9466 (for libraries)  
MicroQuill Smartheap Library 8.0  
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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SPECfp2000 = 2792  
SPECfp\_base2000 = 2784

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

## Notes/Tuning Information (Continued)

191.fma3d: basepeak=1  
200.sixtrack: -fast +FDO  
301.apsi: basepeak=1