



# CFP2000 Result

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**Hewlett-Packard Company**  
ProLiant DL140 G3 (3.73 GHz, Intel Xeon processor 5080)

SPECfp2000 = **1971**  
SPECfp\_base2000 = **1969**

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	46.4	3448	46.4	3446	
171.swim	3100	132	2356	132	2357	
172.mgrid	1800	118	1521	118	1520	
173.applu	2100	119	1759	119	1759	
177.mesa	1400	90.9	1541	90.3	1551	
178.galgel	2900	76.0	3817	76.0	3817	
179.art	2600	54.1	4806	54.1	4806	
183.quake	1300	47.3	2746	47.4	2744	
187.facerec	1900	91.8	2070	91.8	2070	
188.amp	2200	187	1174	182	1208	
189.lucas	2000	94.5	2116	95.9	2086	
191.fma3d	2100	135	1554	135	1554	
200.sixtrack	1100	149	736	149	736	
301.apsi	2600	196	1324	196	1324	

### Hardware

CPU: Intel Xeon processor 5080 (3.73GHz, 2x2MB L2, 1066 MHz system 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 (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 Smarheap 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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## Notes/Tuning Information (Continued)

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