



# CFP2000 Result

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Hewlett-Packard Company  
ProLiant BL20p G3 (3.6GHz, Intel Xeon)

SPECfp2000 = 1597  
SPECfp\_base2000 = 1593

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	1000	2000	3000	4000
168.wupwise	1600	63.2	2533	63.2	2533				
171.swim	3100	144	2150	144	2154				
172.mgrid	1800	122	1470	122	1470				
173.applu	2100	142	1475	143	1472				
177.mesa	1400	87.9	1593	88.1	1589				
178.galgel	2900	123	2353	123	2351				
179.art	2600	101	2587	99.6	2611				
183.quake	1300	69.2	1879	57.9	2244				
187.facerec	1900	109	1743	122	1560				
188.amp	2200	234	941	234	941				
189.lucas	2000	104	1917	109	1840				
191.fma3d	2100	145	1447	145	1447				
200.sixtrack	1100	172	641	171	642				
301.apsi	2600	241	1080	241	1078				

### Hardware

CPU: Intel Xeon (3.6GHz, 1MB L2, 800MHz bus)  
CPU MHz: 3600  
FPU: Integrated  
CPU(s) enabled: 1 core, 1 chip, 1 core/chip (HT Technology disabled)  
CPU(s) orderable: 1,2  
Parallel: No  
Primary Cache: 12K micro-ops I + 16KBD on chip  
Secondary Cache: 1024KB(I+D) on chip  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 4x2048MB PC3200 CL3.0  
Disk Subsystem: 1x72.8GB 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: -QxP -fast -Qansi_alias +FDO
Portability flags:
 178.galgel: -FI /F32000000
Peak tuning:
168.wupwise: -QxP -fast -Qansi_alias +FDO ONESTEP=yes
171.swim: -QxP -fast -f77rtl +FDO ONESTEP=yes
172.mgrid: -QxP -fast -Qansi_alias +FDO ONESTEP=yes
173.applu: -QxP -fast -Qscalar_rep- -Qauto -f77rtl +FDO ONESTEP=yes
177.mesa: -QxP -fast +FDO ONESTEP=yes
178.galgel: -QxP -fast +FDO ONESTEP=yes
179.art: -fast -Oa -Qunroll4 -Zp4 ONESTEP=yes
183.quake: -QxP -fast -Oa -Qrcd +FDO ONESTEP=yes shlw32M.lib
187.facerec: -QaxN -fast -Qunroll1 -Qscalar_rep- -fpp +FDO ONESTEP=yes
188.amp: basepeak=1
189.lucas: -QaxN -fast
191.fma3d: basepeak=1
```



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## Notes/Tuning Information (Continued)

```
200.sixtrack: -QxP -fast +FDO
301.apsi: -QxP -fast -f77rtl +FDO ONESTEP=yes
BIOS Configuration Notes
HT Technology disabled
```