



# CFP2000 Result

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Hewlett-Packard Company  
ProLiant BL20p G2 (3.06GHz, Intel Xeon)

SPECfp\_rate2000 = 17.7  
SPECfp\_rate\_base2000 = 17.3

SPEC license #: 3 | Test date: Aug-2003 | Hardware Avail: Apr-2003 | Software Avail: Jun-2003

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	126	29.4	2	128	28.9
171.swim	2	383	18.8	2	384	18.7
172.mgrid	2	309	13.5	2	308	13.5
173.applu	2	310	15.7	2	309	15.7
177.mesa	2	112	28.9	2	112	29.0
178.galgel	2	277	24.3	2	277	24.3
179.art	2	857	7.04	2	805	7.50
183.quake	2	169	17.9	2	130	23.2
187.facerec	2	170	25.9	2	171	25.8
188.amp	2	416	12.3	2	415	12.3
189.lucas	2	245	18.9	2	245	18.9
191.fma3d	2	244	20.0	2	244	20.0
200.sixtrack	2	199	12.9	2	195	13.1
301.apsi	2	452	13.3	2	453	13.3

### Hardware

CPU: Intel Xeon (3.06GHz, 533MHz bus)  
 CPU MHz: 3066  
 FPU: Integrated  
 CPU(s) enabled: 2 cores, 2 chips, 1 core/chip (Hyper-Threading disabled)  
 CPU(s) orderable: 1,2  
 Parallel: No  
 Primary Cache: 12K micro-ops I + 8KBD on chip  
 Secondary Cache: 512KB(I+D) on chip  
 L3 Cache: None  
 Other Cache: N/A  
 Memory: 2x1024MB PC2100  
 Disk Subsystem: 2x18.2GB 15K Ultra3 SCSI  
 Other Hardware:

### Software

Operating System: Windows 2000 Server (Build 2195 SP3)  
 Compiler: Intel C++ Compiler 7.1 Build 20030801Z  
 Microsoft Visual Studio Enterprise Edition 6.0 (for libraries)  
 Intel Fortran Compiler 7.1 build 20030307Z  
 MicroQuill Smartheap Library 7.0  
 File System: NTFS  
 System State: Hyperthreading disabled in BIOS

## Notes/Tuning Information

```
+FDO: PASS1=-Qprof_gen PASS2=-Qprof_use
Base tuning: -QxW -Qipo -O3 +FDO ONESTEP=yes
Portability:
178.galgel: -FI /F32000000
Peak tuning:
168.wupwise: -Qipo -QxW +FDO ONESTEP=yes
171.swim: -Qipo -QxW -O3 +FDO ONESTEP=yes
172.mgrid: -Qipo -QaxW -O3 +FDO ONESTEP=yes
173.applu: -Qipo -QxW -O3 -Qscalar_rep- +FDO ONESTEP=yes
177.mesa: -Qipo -QxW -O3 +FDO ONESTEP=yes
178.galgel: -Qipo -QxW -O3 +FDO ONESTEP=yes
179.art: -Qipo -Oa -Qunroll4 -Zp4 ONESTEP=yes
183.quake: -Qipo -QxW -Oa +FDO shlw32M.lib ONESTEP=yes
187.facerec: -Qipo -QxW -O3 -Qunroll1 -Qscalar_rep- +FDO ONESTEP=yes
188.amp: -QxW -Oa ONESTEP=yes
189.lucas: -Qipo -QaxW
191.fma3d: basepeak=1
```



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## Notes/Tuning Information (Continued)

200.sixtrack: -Qipo -QxW +FDO ONESTEP=yes  
301.apsi: -Qipo -QxW -O3 +FDO ONESTEP=yes