



# CFP2000 Result

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Hewlett-Packard Company  
ProLiant DL380 G3(3.06GHz, Intel Xeon)

SPECfp\_rate2000 = 17.6  
SPECfp\_rate\_base2000 = 17.1

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

| Benchmark    | Base Copies | Base Runtime | Base Ratio | Copies | Runtime | Ratio |
|--------------|-------------|--------------|------------|--------|---------|-------|
| 168.wupwise  | 2           | 130          | 28.6       | 2      | 126     | 29.4  |
| 171.swim     | 2           | 387          | 18.6       | 2      | 386     | 18.6  |
| 172.mgrid    | 2           | 311          | 13.4       | 2      | 308     | 13.5  |
| 173.applu    | 2           | 312          | 15.6       | 2      | 311     | 15.6  |
| 177.mesa     | 2           | 114          | 28.6       | 2      | 114     | 28.6  |
| 178.galgel   | 2           | 278          | 24.2       | 2      | 278     | 24.2  |
| 179.art      | 2           | 862          | 6.99       | 2      | 810     | 7.44  |
| 183.quake    | 2           | 170          | 17.7       | 2      | 131     | 23.0  |
| 187.facerec  | 2           | 177          | 24.9       | 2      | 177     | 24.9  |
| 188.amp      | 2           | 420          | 12.2       | 2      | 417     | 12.2  |
| 189.lucas    | 2           | 247          | 18.8       | 2      | 247     | 18.8  |
| 191.fma3d    | 2           | 249          | 19.6       | 2      | 249     | 19.6  |
| 200.sixtrack | 2           | 198          | 12.9       | 2      | 192     | 13.3  |
| 301.apsi     | 2           | 456          | 13.2       | 2      | 456     | 13.2  |

### Hardware

CPU: Intel Xeon (3.06GHz, 533MHz bus)  
 CPU MHz: 3066  
 FPU: Integrated  
 CPU(s) enabled: 2 cores, 2 chips, 1 core/chip  
 CPU(s) orderable: 1,2  
 Parallel: No  
 Primary Cache: 12KBI + 8KBD on chip  
 Secondary Cache: 512KB(I+D) on chip  
 L3 Cache: N/A  
 Other Cache: N/A  
 Memory: 4x512MB PC2100  
 Disk Subsystem: 2x36.4GB U320 15K  
 Other Hardware:

### Software

Operating System: Windows 2000 Server(Build 2195 SP3)  
 Compiler: Intel C++ Compiler 7.0 Build 20021028Z  
 Microsoft Visual Studio .NET (for libraries)  
 Intel Fortran Compiler 7.0 build 20021028Z  
 MicroQuill Smartheap Library 6.03  
 File System: NTFS  
 System State: Default

## Notes/Tuning Information

```
+FDO: PASS1=-Qprof_gen PASS2=-Qprof_use
Base tuning: -QxW -Qipo -O3 +FDO
Portability:
178.galgel: -FI /F32000000
Peak tuning:
168.wupwise: -Qipo -QxW +FDO
171.swim: -Qipo -QxW -O3 +FDO
172.mgrid: -Qipo -QaxK -O3 +FDO
173.applu: -Qipo -QxW -O3 -Qscalar_rep- +FDO
177.mesa: -Qipo -QxW -O3 +FDO
178.galgel: -Qipo -QxW -O3 +FDO
179.art: -Qipo -Oa -Qunroll4 -Zp4
183.quake: -Qipo -QxW -Oa +FDO shlw32M.lib
187.facerec: -Qipo -QxW -O3 -Qunroll1 -Qscalar_rep- +FDO
LIBS=libIEPCF90.lib libintrins.lib libF90.lib libqwin.lib
libm.lib LIBC.lib libirc.lib OLDNAMES.lib
188.amp: -QxW -Oa
```



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## Notes/Tuning Information (Continued)

189.lucas: -Qipo -QaxW  
191.fma3d: basepeak=1  
200.sixtrack: -Qipo -QxW +FDO  
301.apsi: -Qipo -QxW -O3 +FDO