



# CFP2000 Result

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

SPECfp2000 = 1065  
SPECfp\_base2000 = 1033

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

| Benchmark      | Reference Time | Base Runtime | Base Ratio | Runtime | Ratio |  |
|----------------|----------------|--------------|------------|---------|-------|--|
| 168.wupwise    | 1600           | 114          | 1399       | 111     | 1444  |  |
| 171.swim       | 3100           | 205          | 1515       | 202     | 1533  |  |
| 172.mgrid      | 1800           | 184          | 980        | 178     | 1010  |  |
| 173.applu      | 2100           | 198          | 1059       | 198     | 1060  |  |
| 177.mesa       | 1400           | 113          | 1236       | 113     | 1237  |  |
| 178.galgel     | 2900           | 197          | 1469       | 195     | 1484  |  |
| 179.art        | 2600           | 403          | 646        | 374     | 695   |  |
| 183.earthquake | 1300           | 116          | 1124       | 92.6    | 1404  |  |
| 187.facerec    | 1900           | 148          | 1284       | 147     | 1291  |  |
| 188.amp        | 2200           | 333          | 661        | 332     | 663   |  |
| 189.lucas      | 2000           | 147          | 1359       | 145     | 1384  |  |
| 191.fma3d      | 2100           | 188          | 1116       | 188     | 1116  |  |
| 200.sixtrack   | 1100           | 196          | 560        | 191     | 576   |  |
| 301.apsi       | 2600           | 348          | 748        | 347     | 749   |  |

### Hardware

CPU: Intel Xeon (3.06GHz, 533MHz bus)  
 CPU MHz: 3066  
 FPU: Integrated  
 CPU(s) enabled: 1 core, 1 chip, 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 -QaxW -O3 +FDO
173.applu: -Qipo -QxW -O3 -Qscalar_rep- +FDO
177.mesa: -Qipo -QxW -O3 +FDO
178.galgel: -Qipo -QxW -O3 +FDO
LIBS=libIEPCF90.lib libintrins.lib libF90.lib libqwin.lib
libm.lib LIBC.lib libirc.lib OLDNAMES.lib
179.art: -Qipo -Oa -Qunroll4 -Zp4
183.earthquake: -Qipo -QxW -Oa +FDO shlw32M.lib
187.facerec: -Qipo -QxW -O3 -Qunroll11 -Qscalar_rep- +FDO
LIBS=libIEPCF90.lib libintrins.lib libF90.lib libqwin.lib
```



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## Notes/Tuning Information (Continued)

```

libm.lib LIBC.lib libirc.lib OLDNAMES.lib
188.ammf: -QxW -Oa
189.lucas: -Qipo -QaxW
191.fma3d: basepeak=1
200.sixtrack: -Qipo -QxW +FDO
301.apsi: -Qipo -QxW -O3 +FDO

```