



# CFP2000 Result

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**Dell**  
Precision WorkStation 330 (1.40 GHz P4)

SPECfp2000 = **532**  
SPECfp\_base2000 = **524**

SPEC license #: 55 | Tested by: Dell, Round Rock, TX | Test date: Nov-2000 | Hardware Avail: Nov-2000 | Software Avail: Oct-2000

| Benchmark    | Reference Time | Base Runtime | Base Ratio | Runtime | Ratio |  |
|--------------|----------------|--------------|------------|---------|-------|--|
| 168.wupwise  | 1600           | 219          | 731        | 221     | 725   |  |
| 171.swim     | 3100           | 253          | 1227       | 253     | 1227  |  |
| 172.mgrid    | 1800           | 343          | 525        | 314     | 573   |  |
| 173.applu    | 2100           | 337          | 623        | 337     | 624   |  |
| 177.mesa     | 1400           | 274          | 511        | 277     | 505   |  |
| 178.galgel   | 2900           | 568          | 511        | 568     | 510   |  |
| 179.art      | 2600           | 512          | 508        | 499     | 521   |  |
| 183.quake    | 1300           | 183          | 712        | 167     | 778   |  |
| 187.facerec  | 1900           | 451          | 421        | 444     | 428   |  |
| 188.amp      | 2200           | 625          | 352        | 620     | 355   |  |
| 189.lucas    | 2000           | 273          | 733        | 273     | 733   |  |
| 191.fma3d    | 2100           | 523          | 402        | 523     | 402   |  |
| 200.sixtrack | 1100           | 463          | 238        | 462     | 238   |  |
| 301.apsi     | 2600           | 640          | 406        | 640     | 406   |  |

### Hardware

CPU: Pentium 4  
 CPU MHz: 1400  
 FPU: Integrated  
 CPU(s) enabled: 1 core, 1 chip, 1 core/chip  
 CPU(s) orderable: 1  
 Parallel: No  
 Primary Cache: 12K micro-ops I + 8KB D  
 Secondary Cache: 256KB(I+D) on chip  
 L3 Cache: N/A  
 Other Cache: N/A  
 Memory: 2 x 128MB PC800 RDRAM  
 Disk Subsystem: 1 x 40GB Maxtor 7.2K ATA/5  
 Other Hardware:

### Software

Operating System: Windows NT 4.0 (SP5)  
 Compiler: Intel C and Fortran Compiler 5.0 for Windows NT  
 Microsoft Visual C++ 6.0 (for libraries)  
 MicroQuill SmartHeap Library 5.0  
 File System: NTFS  
 System State: Default

## Notes/Tuning Information

```
+FDO: PASS1= -Qprof_gen PASS2=-Qprof_use
Base tuning: -Qipo -QxW -O3 +FDO
Portability:
178.galgel: -FI /F32000000
Peak tuning:
168.wupwise: -Qipo -QxW -O3 +FDO
171.swim: -Qipo -QxW -O3 +FDO
172.mgrid: -Qipo -QaxW -O3 +FDO
173.applu: -Qipo -QxW -O3 +FDO
177.mesa: -Qipo -QxW -Oa -O3 +FDO shlW32M.lib
178.galgel: -Qipo -QxW -O3 +FDO
179.art: -Qipo -QxW -O3 -Oa +FDO shlW32M.lib
183.quake: -Qipo -QxW -Qrcd -Oa +FDO shlW32M.lib
187.facerec: -Qipo -QxW -O3 +FDO shlW32M.lib
188.amp: -Qipo -QxW -O3 -Oa +FDO
189.lucas: -Qipo -QxW -O3 +FDO
191.fma3d: -Qipo -QxW -O3 +FDO
```



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|   |                   |     |
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## Notes/Tuning Information (Continued)

```
200.sixtrack: -Qipo -QxW +FDO
301.apsi:      -Qipo -QxW -O3 +FDO
Library ordering for 187.facerec (include SmartHeap correctly with default libs):
LIBS=libIEPCF90.lib libintrins.lib libF90.lib libqwind.lib libm.lib shlW32M.lib
LIBC.lib libirc.lib OLDNAMES.lib
```