



# CFP2000 Result

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**Dell**  
Precision WorkStation 330 (1.50 GHz P4)

SPECfp2000 = **552**  
SPECfp\_base2000 = **543**

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	209	764	209	767	
171.swim	3100	252	1228	252	1228	
172.mgrid	1800	326	552	299	602	
173.applu	2100	331	635	331	635	
177.mesa	1400	257	545	261	537	
178.galgel	2900	553	524	553	525	
179.art	2600	510	509	497	523	
183.quake	1300	178	731	161	808	
187.facerec	1900	427	445	421	452	
188.amp	2200	607	362	603	365	
189.lucas	2000	265	756	264	756	
191.fma3d	2100	497	422	497	422	
200.sixtrack	1100	434	253	432	255	
301.apsi	2600	616	422	616	422	

### Hardware

CPU: Pentium 4  
 CPU MHz: 1500  
 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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## 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 OLDDNAMES.lib
```