



CFP2000 Result

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Dell
Precision WorkStation 420 (933 MHz PIII)

SPECfp2000 = **328**
SPECfp_base2000 = **318**

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	403	397	403	397	
171.swim	3100	629	493	629	493	
172.mgrid	1800	678	266	724	249	
173.applu	2100	765	274	765	274	
177.mesa	1400	276	506	279	502	
178.galgel	2900	882	329	823	352	
179.art	2600	635	410	609	427	
183.quake	1300	529	246	436	298	
187.facerec	1900	647	293	587	324	
188.amp	2200	775	284	756	291	
189.lucas	2000	592	338	595	336	
191.fma3d	2100	733	286	733	286	
200.sixtrack	1100	692	159	676	163	
301.apsi	2600	730	356	699	372	

Hardware

CPU: Pentium III
 CPU MHz: 933
 FPU: Integrated
 CPU(s) enabled: 1 core, 1 chip, 1 core/chip
 CPU(s) orderable: 1, 2
 Parallel: No
 Primary Cache: 16KB(I) + 16KB(D) on chip
 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 18GB Quantum Atlas 10K U160
 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: -QxK -Qipo -O3 +FDO
Portability:
178.galgel: -FI /F32000000
Peak tuning:
168.wupwise: -Qipo -QxK -O3 +FDO
171.swim: -Qipo -QxK -O3 +FDO
172.mgrid: -Qipo -QaxK -O3 +FDO
173.applu: -Qipo -QxK -O3 +FDO
177.mesa: -Qipo -QxK -O3 -Oa +FDO shlw32M.lib
178.galgel: -Qipo -QxK -O3 +FDO shlw32M.lib
179.art: -Qipo -QxK -O3 -Oa +FDO shlw32M.lib
183.quake: -Qipo -QxK -Qrcd -Oa +FDO shlw32M.lib
187.facerec: -Qipo -QxK -O3 +FDO shlw32M.lib
188.amp: -Qipo -QxK -O3 -Oa +FDO
189.lucas: -Qipo -QxK -O3 +FDO shlw32M.lib
191.fma3d: -Qipo -QxK -O3 +FDO
```



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Notes/Tuning Information (Continued)

```
200.sixtrack: -Qipo -QxK +FDO
301.apsi:      -Qipo -QxK +FDO
Library ordering for 178.galgel, 187.facerec and 189.lucus (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
```