



# CFP2000 Result

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**Dell**  
Precision WorkStation 530 (2.2 GHz Xeon)

SPECfp\_rate2000 = 13.5  
SPECfp\_rate\_base2000 = 13.2

SPEC license #: 55 | Tested by: Dell, Round Rock, TX | Test date: Sep-2002 | Hardware Avail: Jan-2002 | Software Avail: Jun-2002

					Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
24	21	18	15	12	9	6	3				
					168.wupwise	2	175	21.2	2	170	21.8
					171.swim	2	477	15.1	2	477	15.1
					172.mgrid	2	400	10.4	2	401	10.4
					173.applu	2	403	12.1	2	390	12.5
					177.mesa	2	174	18.7	2	173	18.8
					178.galgel	2	368	18.3	2	371	18.1
					179.art	2	998	6.04	2	1000	6.03
					183.quake	2	205	14.7	2	175	17.2
					187.facerec	2	224	19.6	2	224	19.7
					188.amp	2	595	8.58	2	593	8.61
					189.lucas	2	284	16.3	2	285	16.3
					191.fma3d	2	355	13.7	2	345	14.1
					200.sixtrack	2	276	9.25	2	271	9.43
					301.apsi	2	521	11.6	2	518	11.6

### Hardware

CPU: Intel Xeon (400 MHz system bus)  
 CPU MHz: 2200  
 FPU: Integrated  
 CPU(s) enabled: 2 cores, 2 chips, 1 core/chip  
 CPU(s) orderable: 1,2  
 Parallel: No  
 Primary Cache: 12K(I) micro-ops + 8KB(D) on chip  
 Secondary Cache: 512KB(I+D) on chip  
 L3 Cache: N/A  
 Other Cache: N/A  
 Memory: 2 x 256MB PC800-45 ECC RDRAM  
 Disk Subsystem: 1 x 18GB Fujitsu Limited 10K U160  
 Other Hardware:

### Software

Operating System: Windows XP Professional  
 Compiler: Intel C++ and Fortran Compiler 6.0 (020423Z)  
 Microsoft Visual Studio .NET (7.0.9466)  
 MicroQuill SmartHeap Library 6.01  
 File System: NTFS  
 System State: Default

## Notes/Tuning Information

```

PORTABILITY
  178.galgel: -FI -F32000000
FEEDBACK-DIRECTED OPTIMIZATION
  FDO: PASS1= -Qprof_gen PASS2= -Qprof_use
BASE TUNING
  C-F77-F90: -Qipo -QxW -O3 +FDO
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 -Oa +FDO
  178.galgel: -Qipo -QxW -O3 +FDO
  179.art: -Qipo -QxW -O3 -Oa +FDO
  183.quake: -Qipo -QxW -O3 -Oa +FDO shlW32M.lib
  187.facerec: -Qipo -QxW -O3 +FDO
  188.amp: -Qipo -QxW -O3 -Oa +FDO

```



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## Notes/Tuning Information (Continued)

```
189.lucas: -Qipo -QaxW
191.fma3d: -Qipo -QxW -O3 +FDO
200.sixtrack: -Qipo -QxW +FDO
301.apsi: -Qipo -QxW +FDO
EXTRA LIBRARIES
shlw32M.lib: MicroQuill SmartHeap Library 6.01
              www.microquill.com
```