



# CFP2000 Result

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**Dell**  
Precision WorkStation 530 (1.8 GHz Xeon)

SPECfp\_rate2000 = 12.6  
SPECfp\_rate\_base2000 = 12.4

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
168.wupwise	2	196	19.0	2	189	19.6
171.swim	2	478	15.1	2	477	15.1
172.mgrid	2	404	10.3	2	404	10.3
173.applu	2	393	12.4	2	390	12.5
177.mesa	2	209	15.5	2	207	15.7
178.galgel	2	384	17.5	2	385	17.5
179.art	2	1000	6.03	2	999	6.04
183.quake	2	208	14.5	2	191	15.8
187.facerec	2	250	17.6	2	250	17.6
188.amp	2	625	8.17	2	622	8.21
189.lucas	2	293	15.8	2	290	16.0
191.fma3d	2	388	12.6	2	389	12.5
200.sixtrack	2	335	7.63	2	329	7.76
301.apsi	2	562	10.7	2	558	10.8

### Hardware

CPU: Intel Xeon (400 MHz system bus)  
 CPU MHz: 1800  
 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
```