



# CFP2000 Result

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**Dell**  
Precision Workstation 650 (3.06 GHz Xeon, 1MB L3 Cache)

SPECfp2000 = **1176**  
SPECfp\_base2000 = **1168**

SPEC license #: 55 Tested by: Dell Inc., Round Rock, TX Test date: Jan-2004 Hardware Avail: Feb-2004 Software Avail: Dec-2003

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	104	1542	104	1542	
171.swim	3100	183	1698	183	1698	
172.mgrid	1800	168	1073	168	1073	
173.applu	2100	197	1067	189	1113	
177.mesa	1400	104	1348	104	1348	
178.galgel	2900	150	1932	150	1932	
179.art	2600	290	898	283	920	
183.earthquake	1300	99.6	1305	99.1	1312	
187.facerec	1900	135	1406	132	1443	
188.amp	2200	259	850	259	850	
189.lucas	2000	147	1359	147	1364	
191.fma3d	2100	191	1098	191	1098	
200.sixtrack	1100	189	584	189	584	
301.apsi	2600	283	919	283	919	

### Hardware

CPU: Intel Xeon (533 MHz system bus)  
 CPU MHz: 3066  
 FPU: Integrated  
 CPU(s) enabled: 1 core, 1 chip, 1 core/chip (Hyper-Threading Technology disabled)  
 CPU(s) orderable: 2  
 Parallel: No  
 Primary Cache: 12K(I) micro-ops + 8KB(D) on chip  
 Secondary Cache: 512KB(I+D) on chip  
 L3 Cache: 1024(I+D) on chip  
 Other Cache: N/A  
 Memory: 4 x 512MB ECC CL2-2-2 PC2100 DDR SDRAM  
 Disk Subsystem: 1 x 18GB U320 SCSI, 10K RPM  
 Other Hardware:

### Software

Operating System: Windows XP Professional SP1  
 Compiler: Intel C/C++ Compiler 8.0 (20031229Z)  
 Intel Fortran Compiler 8.0 (20031229Z)  
 Microsoft Visual Studio .NET (7.0.9466)  
 File System: NTFS  
 System State: Default

## Notes/Tuning Information

### GENERAL

ONESTEP=yes  
 +FDO: PASS1=-Qprof\_gen PASS2=-Qprof\_use

### PORTABILITY FLAGS

178.galgel: -FI /F3200000

### BASE TUNING

C/F77/F90: -QxN -Qipo -O3 +FDO

### PEAK TUNING

168.wupwise: basepeak=yes  
 171.swim: basepeak=yes  
 172.mgrid: basepeak=yes  
 173.applu: -QxN -Qipo -O3 -Qscalar\_rep- -Qauto +FDO  
 177.mesa: -QxN -Qipo -O3 -Oa +FDO  
 178.galgel: basepeak=yes  
 179.art: -Qipo -Oa -Qunroll4 -Zp4  
 183.earthquake: -QxN -Qipo -O3 -Oa -Qrcd +FDO  
 187.facerec: -QaxN -Qipo -O3 -Qunroll1 -Qscalar\_rep- +FDO



# CFP2000 Result

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Dell

Precision Workstation 650 (3.06 GHz Xeon, 1MB L3 Cache)

SPECfp2000 = 1176

SPECfp\_base2000 = 1168

SPEC license #: 55 | Tested by: Dell Inc., Round Rock, TX | Test date: Jan-2004 | Hardware Avail: Feb-2004 | Software Avail: Dec-2003

## Notes/Tuning Information (Continued)

188.ammf: basepeak=yes  
189.lucas: -QaxN -Qipo -O3  
191.fma3d: basepeak=yes  
200.sixtrack: basepeak=yes  
301.apsi: basepeak=yes

NOTES  
1 CPU Disabled in the BIOS.  
Hyper-Threading Technology not enabled.