



# CFP2000 Result

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**Dell**  
Precision Workstation 360 (3.00E GHz Pentium 4)

SPECfp2000 = 1385  
SPECfp\_base2000 = 1382

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	74.5	2148	74.5	2148	
171.swim	3100	140	2211	140	2211	
172.mgrid	1800	149	1209	149	1209	
173.applu	2100	159	1324	152	1377	
177.mesa	1400	106	1319	106	1319	
178.galgel	2900	127	2281	127	2281	
179.art	2600	211	1230	214	1216	
183.earthquake	1300	79.7	1632	79.7	1631	
187.facerec	1900	114	1668	114	1662	
188.amp	2200	233	946	233	946	
189.lucas	2000	111	1795	111	1796	
191.fma3d	2100	159	1322	159	1322	
200.sixtrack	1100	203	542	203	542	
301.apsi	2600	260	1000	260	1000	

### Hardware

CPU: Intel Pentium 4 (800 MHz system bus)  
 CPU MHz: 3000  
 FPU: Integrated  
 CPU(s) enabled: 1 core, 1 chip, 1 core/chip (Hyper-Threading Technology disabled)  
 CPU(s) orderable: 1  
 Parallel: No  
 Primary Cache: 12K(I) micro-ops + 16KB(D) on chip  
 Secondary Cache: 1024KB(I+D) on chip  
 L3 Cache: N/A  
 Other Cache: N/A  
 Memory: 4 x 512MB ECC CL3 DDR400 SDRAM  
 Disk Subsystem: 1 x 80GB ATA/100 7200 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

### PORTABILITY

178.galgel: -FI /F32000000

### FEEDBACK DIRECTED OPTIMIZATION

ONESTEP=YES

FDO: PASS1= -Qprof\_gen PASS2=-Qprof\_use

### BASE TUNING

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

### PEAK TUNING

168.wupwise: basepeak=yes

171.swim: basepeak=yes

172.mgrid: basepeak=yes

173.applu: -QxP -Qipo -O3 -Qscalar\_rep- -Qauto +FDO

177.mesa: -QxP -Qipo -O3 -Oa +FDO

178.galgel: basepeak=yes

179.art: -Qipo -Oa -Qunroll4 -Zp4

183.earthquake: -QxP -Qipo -O3 -Oa -Qrcd +FDO

187.facerec: -QaxP -Qipo -O3 -Qunroll1 -Qscalar\_rep- +FDO



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## Notes/Tuning Information (Continued)

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

NOTES  
Hyper-Threading Technology not enabled.