



# CFP2000 Result

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**Dell**  
Precision Workstation 360 (3.40 GHz Pentium 4)

SPECfp2000 = **1306**  
SPECfp\_base2000 = **1295**

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	94.2	1698	94.2	1698	
171.swim	3100	144	2155	144	2155	
172.mgrid	1800	147	1229	147	1229	
173.applu	2100	159	1325	153	1370	
177.mesa	1400	93.1	1503	93.1	1503	
178.galgel	2900	143	2029	143	2029	
179.art	2600	287	905	273	951	
183.quake	1300	85.9	1513	85.8	1514	
187.facerec	1900	118	1616	115	1650	
188.amp	2200	285	771	285	771	
189.lucas	2000	119	1678	118	1688	
191.fma3d	2100	165	1275	165	1275	
200.sixtrack	1100	168	653	168	653	
301.apsi	2600	301	865	301	865	

### Hardware

CPU: Intel Pentium 4 (800 MHz system bus)  
 CPU MHz: 3400  
 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 + 8KB(D) on chip  
 Secondary Cache: 512KB(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: -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.quake: -QxN -Qipo -O3 -Oa -Qrcd +FDO  
 187.facerec: -QaxN -Qipo -O3 -Qunroll1 -Qscalar\_rep- +FDO



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SPECfp2000 = 1306  
SPECfp\_base2000 = 1295

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## Notes/Tuning Information (Continued)

188.amm: basepeak=yes  
189.lucas: -QaxN -Qipo -O3  
191.fma3d: basepeak=yes  
200.sixtrack: basepeak=yes  
301.apsi: basepeak=yes  
NOTES  
Hyper-Threading Technology not enabled.