



CFP2000 Result

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Dell
Precision Workstation 360 (2.8 GHz P4, DDR400)

SPECfp2000 = **1204**
SPECfp_base2000 = **1186**

SPEC license #: 55 Tested by: Dell, Round Rock, TX Test date: Jun-2003 Hardware Avail: May-2003 Software Avail: Apr-2003

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	103	1551	103	1555	
171.swim	3100	152	2045	151	2050	
172.mgrid	1800	157	1146	157	1147	
173.applu	2100	170	1235	170	1232	
177.mesa	1400	122	1152	120	1167	
178.galgel	2900	148	1956	148	1954	
179.art	2600	292	890	277	939	
183.quake	1300	90.9	1431	84.2	1544	
187.facerec	1900	129	1469	126	1514	
188.amp	2200	310	711	308	715	
189.lucas	2000	129	1550	127	1580	
191.fma3d	2100	175	1198	175	1198	
200.sixtrack	1100	211	521	206	533	
301.apsi	2600	312	833	312	832	

Hardware

CPU: Intel Pentium 4 (800 MHz system bus)
 CPU MHz: 2800
 FPU: Integrated
 CPU(s) enabled: 1 core, 1 chip, 1 core/chip
 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 DDR400 SDRAM
 Disk Subsystem: 1 x 80GB ATA/100 7200 RPM
 Other Hardware:

Software

Operating System: Windows XP Professional SP1
 Compiler: Intel C++ Compiler 7.1 (20030402Z)
 Intel Fortran Compiler 7.1 (20030402Z)
 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: -Qipo -QxW -O3 +FDO

PEAK TUNING

168.wupwise: -Qipo -QxW -O3 +FDO

171.swim: -Qipo -QxW -O3 +FDO

172.mgrid: -Qipo -QaxW -O3 +FDO

173.applu: -Qipo -QxW -O3 -Qscalar_rep- -Qauto +FDO

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

178.galgel: -Qipo -QxW -O3 +FDO

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

183.quake: -Qipo -QxW -Oa -Qrcd +FDO

187.facerec: -O3 -QaxW -Qipo -Qunroll11 -Qscalar_rep- +FDO



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Notes/Tuning Information (Continued)

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188. ammp: -Oa -QxW
189. lucas: -Qipo -QaxW
191. fma3d: basepeak=yes
200. sixtrack: -Qipo -QxW +FDO
301. apsi: -Qipo -QxW -O3 +FDO
```