



CFP2000 Result

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Dell
Precision Workstation 360 (2.8 GHz P4, DDR333)

SPECfp2000 = **1104**
SPECfp_base2000 = **1089**

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	107	1496	107	1492	
171.swim	3100	186	1668	186	1663	
172.mgrid	1800	170	1057	170	1057	
173.applu	2100	189	1109	190	1108	
177.mesa	1400	122	1150	120	1166	
178.galgel	2900	163	1780	163	1782	
179.art	2600	343	757	326	797	
183.quake	1300	98.8	1316	92.8	1401	
187.facerec	1900	137	1390	133	1431	
188.amp	2200	337	653	336	656	
189.lucas	2000	147	1358	145	1376	
191.fma3d	2100	185	1135	185	1135	
200.sixtrack	1100	212	519	207	531	
301.apsi	2600	343	759	343	759	

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 non-ECC DDR333 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 -Qunroll1 -Qscalar_rep- +FDO



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Notes/Tuning Information (Continued)

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