



CFP2000 Result

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Dell
Precision Workstation 360 (3.2 GHz Pentium 4 Extreme Edition)

SPECfp2000 = **1486**
SPECfp_base2000 = **1482**

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	98.2	1630	98.2	1630	
171.swim	3100	138	2245	138	2245	
172.mgrid	1800	146	1237	146	1237	
173.applu	2100	156	1349	150	1401	
177.mesa	1400	98.8	1417	98.8	1418	
178.galgel	2900	102	2847	102	2847	
179.art	2600	116	2235	119	2184	
183.earthquake	1300	86.7	1499	86.8	1498	
187.facerec	1900	117	1628	114	1667	
188.amp	2200	180	1224	180	1224	
189.lucas	2000	118	1701	117	1712	
191.fma3d	2100	168	1253	168	1253	
200.sixtrack	1100	176	624	176	624	
301.apsi	2600	231	1123	231	1123	

Hardware

CPU: Intel Pentium 4 (800 MHz system bus)
CPU MHz: 3200
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: 2048KB(I+D) on chip
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/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



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Notes/Tuning Information (Continued)

188. ammp: 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.