



CFP2000 Result

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

SPECfp2000 = **1516**
SPECfp_base2000 = **1497**

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	94.1	1701	94.1	1700
171.swim	3100	148	2093	148	2092
172.mgrid	1800	136	1325	136	1324
173.applu	2100	156	1348	156	1346
177.mesa	1400	107	1310	105	1327
178.galgel	2900	97.6	2972	97.6	2972
179.art	2600	116	2237	112	2322
183.earthquake	1300	85.3	1524	80.0	1625
187.facerec	1900	112	1695	108	1753
188.amp	2200	180	1223	179	1232
189.lucas	2000	120	1664	119	1687
191.fma3d	2100	158	1329	158	1329
200.sixtrack	1100	182	604	180	610
301.apsi	2600	214	1212	214	1212

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 CL3
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.earthquake: -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

NOTES:

Hyper-Threading Technology not enabled in the BIOS.