



CFP2000 Result

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Dell
Precision WorkStation 340 (3.06 GHz P4)

SPECfp2000 = **982**
SPECfp_base2000 = **972**

SPEC license #: 55 Tested by: Dell, Round Rock, TX Test date: Nov-2002 Hardware Avail: Nov-2002 Software Avail: Jun-2002

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	123	1297	118	1359	
171.swim	3100	209	1484	209	1484	
172.mgrid	1800	203	888	203	888	
173.applu	2100	205	1024	202	1039	
177.mesa	1400	121	1159	119	1173	
178.galgel	2900	212	1368	212	1370	
179.art	2600	459	566	460	565	
183.earthquake	1300	117	1115	114	1143	
187.facerec	1900	157	1209	157	1208	
188.amp	2200	383	575	381	578	
189.lucas	2000	150	1330	148	1351	
191.fma3d	2100	210	1001	210	1001	
200.sixtrack	1100	200	551	194	566	
301.apsi	2600	346	751	344	756	

Hardware

CPU: Intel Pentium 4 (533 MHz system bus)
CPU MHz: 3066
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: 2 x 256MB PC800-40 ECC RDRAM
Disk Subsystem: 1 x 20GB Maxtor 7.2K ATA/100
Other Hardware:

Software

Operating System: Windows XP Professional
Compiler: Intel C++ and Fortran Compiler 6.0 (020613Z)
Microsoft Visual Studio .NET (7.0.9466)
MicroQuill SmartHeap Library 6.01
File System: NTFS
System State: Default

Notes/Tuning Information

PORTABILITY
178.galgel: -FI -F32000000
FEEDBACK-DIRECTED OPTIMIZATION
FDO: PASS1= -Qprof_gen PASS2= -Qprof_use
BASE TUNING
C/F77/F90: -Qipo -QxW -O3 +FDO
PEAK TUNING
168.wupwise: -Qipo -QxW +FDO
171.swim: -Qipo -QxW -O3 +FDO
172.mgrid: -Qipo -QaxW -O3 +FDO
173.applu: -Qipo -QxW -O3 -Qscalar_rep- +FDO
177.mesa: -Qipo -QxW -O3 -Oa +FDO
178.galgel: -Qipo -QxW -O3 +FDO
179.art: -Qipo -QxW -O3 -Oa +FDO
183.earthquake: -Qipo -QxW -O3 -Oa +FDO
187.facerec: -Qipo -QxW -O3 +FDO
188.amp: -Qipo -QxW -O3 -Oa +FDO



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Notes/Tuning Information (Continued)

189.lucas: -Qipo -QaxW
191.fma3d: -Qipo -QxW -O3 +FDO
200.sixtrack: -Qipo -QxW +FDO
301.apsi: -Qipo -QxW +FDO
EXTRA LIBRARIES
shlw32M.lib: MicroQuill SmartHeap Library 6.01
www.microquill.com