



CFP2000 Result

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Dell
Precision WorkStation 340 (2.53 GHz P4)

SPECfp2000 = **905**
SPECfp_base2000 = **898**

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	500 1000 1500 2000			
168.wupwise	1600	138	1159	132	1208	[Bar chart showing ratio 1208]			
171.swim	3100	215	1443	215	1443	[Bar chart showing ratio 1443]			
172.mgrid	1800	214	841	214	841	[Bar chart showing ratio 841]			
173.applu	2100	224	936	220	953	[Bar chart showing ratio 953]			
177.mesa	1400	143	978	142	983	[Bar chart showing ratio 983]			
178.galgel	2900	227	1280	226	1280	[Bar chart showing ratio 1280]			
179.art	2600	443	587	444	586	[Bar chart showing ratio 586]			
183.earthquake	1300	123	1061	126	1028	[Bar chart showing ratio 1028]			
187.facerec	1900	167	1136	167	1137	[Bar chart showing ratio 1137]			
188.amp	2200	406	541	405	543	[Bar chart showing ratio 543]			
189.lucas	2000	160	1251	154	1299	[Bar chart showing ratio 1299]			
191.fma3d	2100	238	884	237	884	[Bar chart showing ratio 884]			
200.sixtrack	1100	240	459	233	472	[Bar chart showing ratio 472]			
301.apsi	2600	378	689	374	695	[Bar chart showing ratio 695]			

Hardware

CPU: Intel Pentium 4 (533 MHz system bus)
 CPU MHz: 2533
 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 10GB Maxtor 7.2K ATA/100
 Other Hardware:

Software

Operating System: Windows XP Professional
 Compiler: Intel C++ and Fortran Compiler 6.0 (020423Z)
 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 shlw32M.lib
 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