



CFP2000 Result

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Dell
Precision WorkStation 340 (2.66 GHz P4)

SPECfp2000 = **927**
SPECfp_base2000 = **919**

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	500 1000 1500 2000			
168.wupwise	1600	134	1197	128	1250	[Bar chart showing ratio 1250]			
171.swim	3100	209	1482	209	1483	[Bar chart showing ratio 1483]			
172.mgrid	1800	208	867	208	867	[Bar chart showing ratio 867]			
173.applu	2100	213	987	209	1003	[Bar chart showing ratio 1003]			
177.mesa	1400	138	1015	136	1028	[Bar chart showing ratio 1028]			
178.galgel	2900	221	1310	221	1311	[Bar chart showing ratio 1311]			
179.art	2600	461	564	460	565	[Bar chart showing ratio 565]			
183.quake	1300	120	1081	122	1062	[Bar chart showing ratio 1062]			
187.facerec	1900	169	1126	169	1126	[Bar chart showing ratio 1126]			
188.amp	2200	399	551	398	553	[Bar chart showing ratio 553]			
189.lucas	2000	156	1286	152	1315	[Bar chart showing ratio 1315]			
191.fma3d	2100	227	924	227	924	[Bar chart showing ratio 924]			
200.sixtrack	1100	228	481	223	494	[Bar chart showing ratio 494]			
301.apsi	2600	369	705	366	711	[Bar chart showing ratio 711]			

Hardware

CPU: Intel Pentium 4 (533 MHz system bus)
 CPU MHz: 2666
 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

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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.quake: -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