CFP2000 Result

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Dell

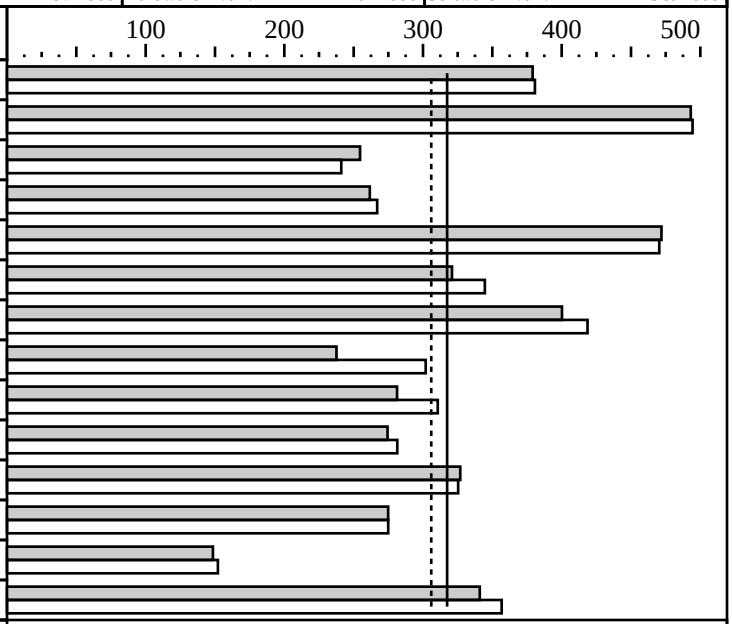
Precision WorkStation 420 (866 MHz PIII)

SPECfp2000 = 317

SPECfp_base2000 = 306

SPEC license #: 55 | Tested by: Dell, Round Rock, TX | Test date: Nov-2000 | Hardware Avail: Mar-2000 | Software Avail: Oct-2000

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	422	379	420	381
171.swim	3100	629	493	627	494
172.mgrid	1800	707	255	747	241
173.applu	2100	803	262	787	267
177.mesa	1400	297	472	298	470
178.galgel	2900	904	321	842	345
179.art	2600	650	400	621	419
183.equake	1300	547	238	431	302
187.facerec	1900	675	281	612	311
188.ammp	2200	802	274	782	281
189.lucas	2000	612	327	615	325
191.fma3d	2100	764	275	764	275
200.sixtrack	1100	741	149	723	152
301.apsi	2600	763	341	729	357



Hardware

CPU:	Pentium III
CPU MHz:	866
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip
CPU(s) orderable:	1, 2
Parallel:	No
Primary Cache:	16KB(I) + 16KB(D) on chip
Secondary Cache:	256KB(I+D) on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	2 x 128MB PC800 RDRAM
Disk Subsystem:	1 x 18GB Quantum Atlas 10K U160
Other Hardware:	

Software

Operating System:	Windows NT 4.0 (SP5)
Compiler:	Intel C and Fortran Compiler 5.0 for Windows NT Microsoft Visual C++ 6.0 (for libraries) MicroQuill SmartHeap Library 5.0
File System:	NTFS
System State:	Default

Notes/Tuning Information

```
+FDO: PASS1=-Qprof_gen  PASS2=-Qprof_use
Base tuning: -QxK -Qipo -O3 +FDO
Portability:
178.galgel: -FI /F32000000
Peak tuning:
168.wupwise:    -Qipo -QxK  -O3 +FDO
171.swim:       -Qipo -QxK  -O3 +FDO
172.mgrid:      -Qipo -QaxK -O3 +FDO
173.applu:      -Qipo -QxK  -O3 +FDO
177.mesa:       -Qipo -QxK  -O3 -Oa +FDO shlW32M.lib
178.galgel:     -Qipo -QxK  -O3 +FDO shlW32M.lib
179.art:        -Qipo -QxK  -O3 -Oa +FDO shlW32M.lib
183.equake:     -Qipo -QxK  -Qrcd -Oa +FDO shlW32M.lib
187.facerec:    -Qipo -QxK  -O3 +FDO shlW32M.lib
188.ammp:       -Qipo -QxK  -O3 -Oa +FDO
189.lucas:      -Qipo -QxK  -O3 +FDO shlW32M.lib
191.fma3d:      -Qipo -QxK  -O3 +FDO
```

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Notes/Tuning Information (Continued)

```
200.sixtrack:   -Qipo -QxK  +FDO
301.apsi:       -Qipo -QxK  +FDO
Library ordering for 178.galgel, 187.facerec and 189.lucus (include
SmartHeap correctly with default libs): LIBS=libIEPCF90.lib libintrins.lib
libF90.lib libqwind.lib libm.lib shlW32M.lib LIBC.lib libirc.lib OLDNAMES.lib
```