CFP2000 Result

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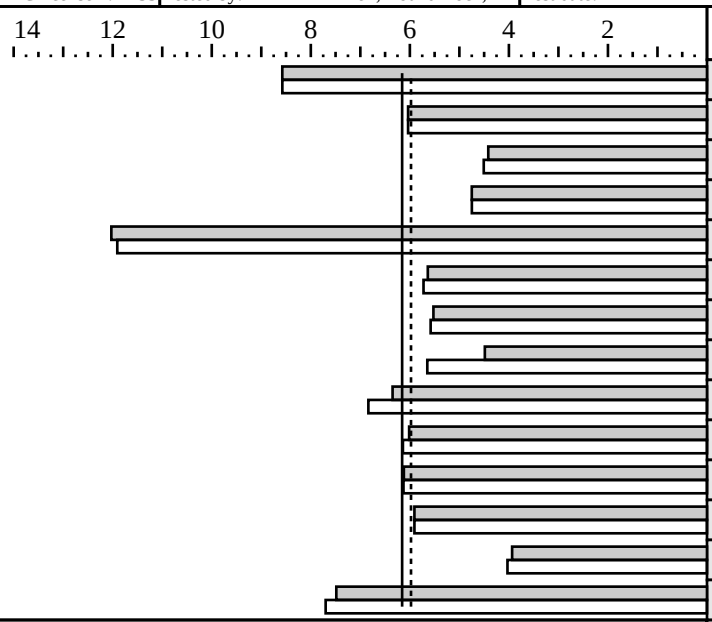
Dell

Precision WorkStation 420 (1.0 GHz PIII)

SPECfp_rate2000 = 6.16

SPECfp_rate_base2000 = 5.98

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	433	8.58	2	433	8.57
171.swim	2	1192	6.04	2	1192	6.04
172.mgrid	2	946	4.42	2	926	4.51
173.applu	2	1026	4.75	2	1026	4.75
177.mesa	2	270	12.0	2	273	11.9
178.galgel	2	1193	5.64	2	1175	5.72
179.art	2	1092	5.52	2	1081	5.58
183.equake	2	672	4.49	2	534	5.65
187.facerec	2	694	6.35	2	645	6.84
188.ammp	2	849	6.01	2	831	6.14
189.lucas	2	758	6.12	2	757	6.13
191.fma3d	2	825	5.91	2	825	5.91
200.sixtrack	2	649	3.93	2	633	4.03
301.apsi	2	806	7.48	2	783	7.70

Hardware

CPU:	Pentium III
CPU MHz:	1000
FPU:	Integrated
CPU(s) enabled:	2 cores, 2 chips, 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 256MB 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

```
FEEDBACK-DIRECTED OPTIMIZATION
  +FDO:          PASS1=  -Qprof_gen  PASS2=-Qprof_use
BASE TUNING
  C/F77/F90:     -Qipo -QxK -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  -Oa -O3 +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
```

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Notes/Tuning Information (Continued)

```
    189.lucas:    -Qipo -QxK  -O3 +FDO shlW32M.lib
    191.fma3d:    -Qipo -QxK  -O3 +FDO
    200.sixtrack: -Qipo -QxK  +FDO
    301.apsi:     -Qipo -QxK  +FDO
  LIBRARIES
    shlW32M.lib:  MicroQuill SmartHeap Library 5.0
                  www.microquill.com
    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
```