CFP2000 Result

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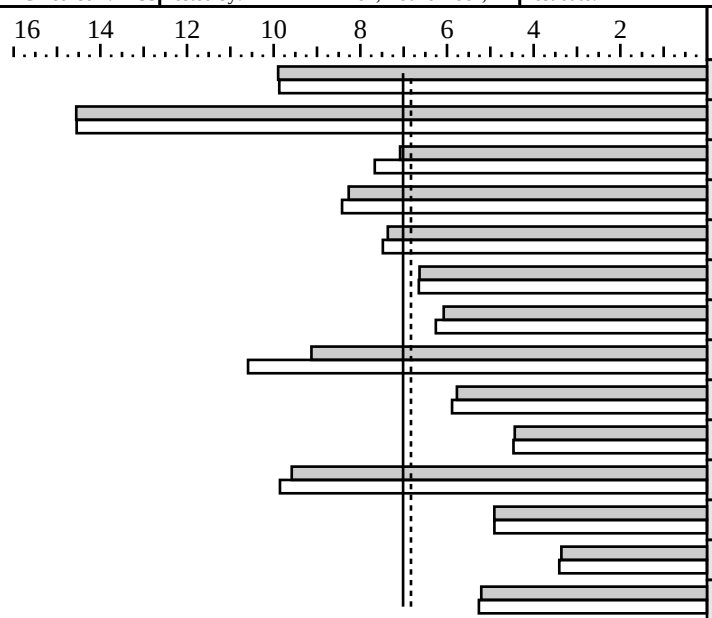
Dell

Precision WorkStation 330 (1.70 GHz P4)

SPECfp_rate2000 = 7.01

SPECfp_rate_base2000 = 6.83

SPEC license #: 55 | Tested by: Dell, Round Rock, TX | Test date: Apr-2001 | Hardware Avail: Apr-2001 | Software Avail: Oct-2000



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	1	188	9.90	1	188	9.87
171.swim	1	247	14.6	1	247	14.5
172.mgrid	1	295	7.08	1	272	7.67
173.applu	1	295	8.27	1	289	8.42
177.mesa	1	220	7.37	1	217	7.48
178.galgel	1	507	6.63	1	506	6.65
179.art	1	496	6.08	1	482	6.26
183.equake	1	165	9.13	1	142	10.6
187.facerec	1	382	5.77	1	375	5.88
188.ammp	1	575	4.44	1	571	4.47
189.lucas	1	242	9.58	1	235	9.85
191.fma3d	1	496	4.91	1	497	4.91
200.sixtrack	1	380	3.36	1	374	3.41
301.apsi	1	579	5.21	1	573	5.26

Hardware

CPU:	Intel Pentium 4
CPU MHz:	1700
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:	256KB(I+D) on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	4 x 128MB PC800 ECC RDRAM
Disk Subsystem:	1 x 20GB Maxtor 7.2K ATA/5
Other Hardware:	

Software

Operating System:	Windows 2000 (SP1)
Compiler:	Intel C++ and Fortan Compiler 5.0 Build 001004 Microsoft Visual C++ 6.0 (for libraries) MicroQuill SmartHeap Library 5.0
File System:	NTFS
System State:	Default

Notes/Tuning Information

```
PORTABILITY
  178.galgel:   -FI /F32000000
FEEDBACK-DIRECTED OPTIMIZATION
  FDO1:         PASS1= /Qprof_gen
  FDO2:         PASS1= /Qprof_gen  PASS2= /Qprof_use
BASE TUNING
  C/F77/F90:    -Qipo +FDO2 -QxW -O3
PEAK TUNING
  168.wupwise:  /Qipo +FDO2 /QxW /Qprefetch
  171.swim:     /Qipo +FDO2 /QxW /O3
  172.mgrid:    /Qipo +FDO2 /QaxW /O3
  173.applu:    /Qipo +FDO2 /QxW /O3 /Qscalar_rep- /Qauto
  177.mesa:     -Qwp_ipo +FDO2 -QxW -Qunroll0
  178.galgel:   /Qipo +FDO2 /QxW /O3
  179.art:      -Qipo +FDO2 -QxW -Oa shlW32M.lib
  183.equake:   -Qwp_ipo +FDO2 -QxW -Oa shlW32M.lib
  187.facerec:  /Qipo +FDO2 /QxW /O3 /Qauto shlW32M.lib
```

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Notes/Tuning Information (Continued)

```
    188.ammp:      -Qipo +FDO2 -QaxW -Oa
    189.lucas:     /Qipo +FDO1 /QxW /Qunroll0
    191.fma3d:     /Qipo +FDO2 /QxW /O3
    200.sixtrack: /Qipo +FDO2 /QaxW
    301.apsi:      /Qipo +FDO1 /QxW /O3
  EXTRA LIBRARIES
    shlW32M.lib:  MicroQuill SmartHeap Library 5.0
                  www.microquill.com
  LIBRARY ORDERING
    187.facerec:  libIEPCF90.lib libintrins.lib libF90.lib libqwind.lib
                  libm.lib shlW32M.lib LIBC.lib libirc.lib OLDNAMES.lib
```