CFP2000 Result

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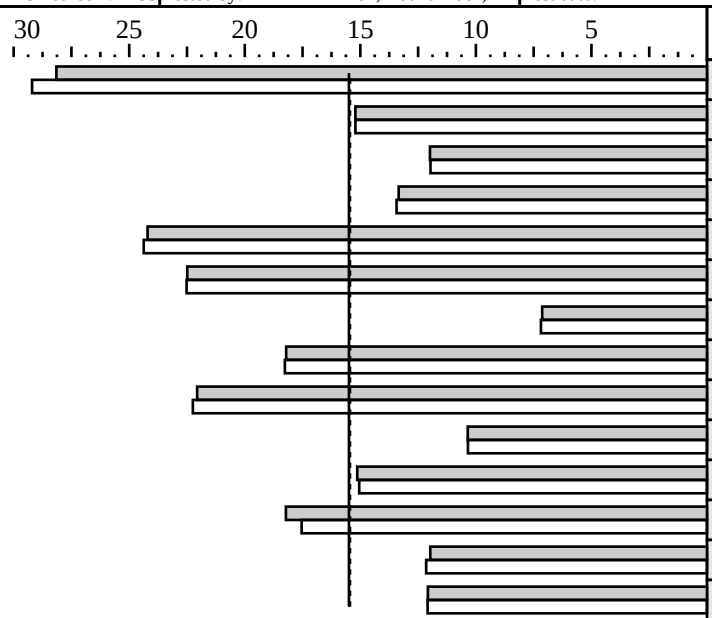
Dell

Precision WorkStation 650 (2.8 GHz Xeon)

SPECfp_rate2000 = 15.5

SPECfp_rate_base2000 = 15.4

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	132	28.2	2	127	29.2
171.swim	2	473	15.2	2	473	15.2
172.mgrid	2	348	12.0	2	349	12.0
173.applu	2	365	13.3	2	363	13.4
177.mesa	2	134	24.2	2	133	24.4
178.galgel	2	299	22.5	2	299	22.5
179.art	2	846	7.13	2	839	7.19
183.equake	2	166	18.2	2	165	18.3
187.facerec	2	200	22.1	2	198	22.2
188.ammp	2	493	10.4	2	493	10.3
189.lucas	2	307	15.1	2	308	15.0
191.fma3d	2	267	18.2	2	278	17.5
200.sixtrack	2	213	12.0	2	210	12.2
301.apsi	2	499	12.1	2	499	12.1

Hardware

CPU:	Intel Xeon (533 MHz system bus)
CPU MHz:	2800
FPU:	Integrated
CPU(s) enabled:	2 cores, 2 chips, 1 core/chip
CPU(s) orderable:	1,2
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:	4 x 512MB PC2100 CL2-2-2 DDR ECC SDRAM
Disk Subsystem:	1 x 36GB Seagate 15K U320
Other Hardware:	

Software

Operating System:	Windows XP Professional (SP1)
Compiler:	Intel C++ and Fortran Compiler 6.0 (020613Z) 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.equake:   -Qipo -QxW -O3 -Oa +FDO
  187.facerec:  -Qipo -QxW -O3 +FDO
  188.ammp:     -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
```