CFP2000 Result

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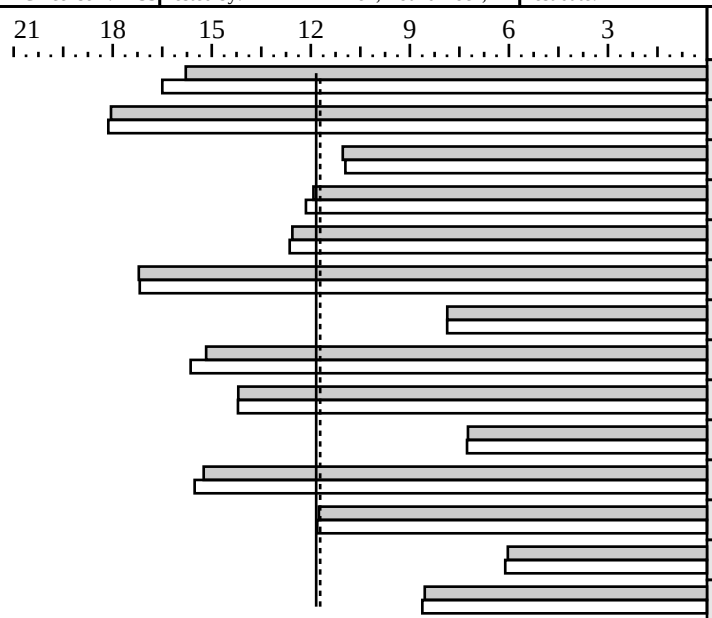
Dell

Precision WorkStation 650 (2.8 GHz Xeon)

SPECfp_rate2000 = 11.8

SPECfp_rate_base2000 = 11.7

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	1	118	15.8	1	113	16.5
171.swim	1	199	18.1	1	198	18.1
172.mgrid	1	189	11.0	1	191	11.0
173.applu	1	204	11.9	1	201	12.1
177.mesa	1	129	12.6	1	128	12.6
178.galgel	1	195	17.2	1	196	17.2
179.art	1	383	7.87	1	383	7.87
183.equake	1	99.4	15.2	1	96.4	15.6
187.facerec	1	155	14.2	1	155	14.2
188.ammp	1	352	7.24	1	351	7.27
189.lucas	1	152	15.2	1	150	15.5
191.fma3d	1	207	11.8	1	206	11.8
200.sixtrack	1	212	6.03	1	209	6.11
301.apsi	1	353	8.55	1	350	8.62

Hardware

CPU:	Intel Xeon (533 MHz system bus)
CPU MHz:	2800
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 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
```