CFP2000 Result

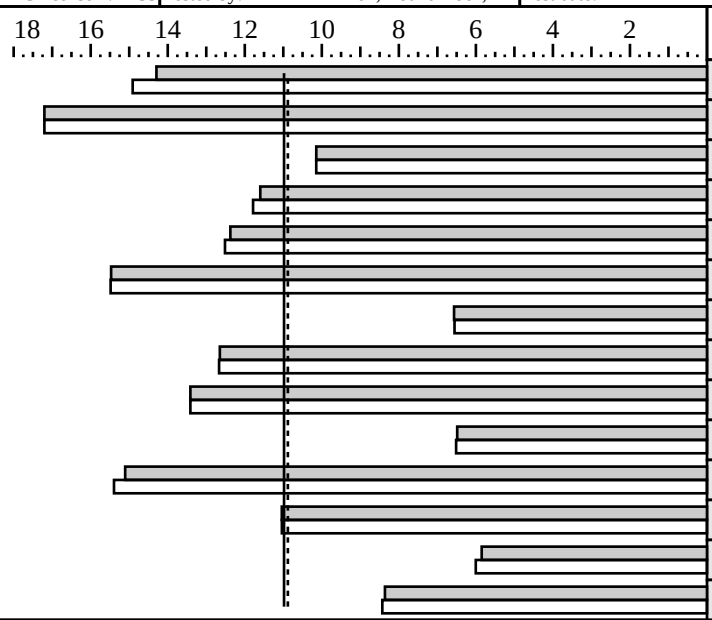
Copyright ©1999-2004, Standard Performance Evaluation Corporation

Dell
Precision WorkStation 340 (2.8 GHz P4)

SPECfp_rate2000 = 11.0

SPECfp_rate_base2000 = 10.9

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	1	130	14.3	1	124	14.9
171.swim	1	209	17.2	1	209	17.2
172.mgrid	1	206	10.1	1	206	10.1
173.applu	1	210	11.6	1	207	11.8
177.mesa	1	131	12.4	1	130	12.5
178.galgel	1	217	15.5	1	217	15.5
179.art	1	459	6.57	1	460	6.55
183.equake	1	119	12.6	1	119	12.7
187.facerec	1	164	13.4	1	164	13.4
188.ammp	1	394	6.49	1	392	6.51
189.lucas	1	154	15.1	1	151	15.4
191.fma3d	1	221	11.0	1	221	11.0
200.sixtrack	1	218	5.85	1	213	6.00
301.apsi	1	361	8.36	1	358	8.43

Hardware

CPU:	Intel Pentium 4 (533 MHz system bus)
CPU MHz:	2800
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:	512KB(I+D) on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	2 x 256MB PC800-40 ECC RDRAM
Disk Subsystem:	1 x 10GB Maxtor 7.2K ATA/100
Other Hardware:	

Software

Operating System:	Windows XP Professional
Compiler:	Intel C++ and Fortan Compiler 6.0 (020423Z) 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 shlW32M.lib
  187.facerec:  -Qipo -QxW -O3 +FDO
  188.ammp:     -Qipo -QxW -O3 -Oa +FDO
```

Copyright ©1999-2004, Standard Performance Evaluation Corporation

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
```