



CFP2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

Dell
Precision WorkStation 340 (3.06 GHz P4)

SPECfp_rate2000 = 11.4
SPECfp_rate_base2000 = 11.3

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	1	123	15.0	1	118	15.8
171.swim	1	209	17.2	1	209	17.2
172.mgrid	1	203	10.3	1	203	10.3
173.applu	1	205	11.9	1	202	12.0
177.mesa	1	121	13.4	1	119	13.6
178.galgel	1	212	15.9	1	212	15.9
179.art	1	459	6.57	1	460	6.56
183.quake	1	117	12.9	1	114	13.3
187.facerec	1	157	14.0	1	157	14.0
188.amp	1	383	6.67	1	381	6.70
189.lucas	1	150	15.4	1	148	15.7
191.fma3d	1	210	11.6	1	210	11.6
200.sixtrack	1	200	6.39	1	194	6.56
301.apsi	1	346	8.71	1	344	8.77

Hardware

CPU: Intel Pentium 4 (533 MHz system bus)
 CPU MHz: 3066
 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 20GB Maxtor 7.2K ATA/100
 Other Hardware:

Software

Operating System: Windows XP Professional
 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.quake: -Qipo -QxW -O3 -Oa +FDO
187.facerec: -Qipo -QxW -O3 +FDO
188.amp: -Qipo -QxW -O3 -Oa +FDO

```



CFP2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

Dell
Precision WorkStation 340 (3.06 GHz P4)

SPECfp_rate2000 = 11.4
SPECfp_rate_base2000 = 11.3

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

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