



CFP2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

Dell
Precision WorkStation 340 (1.8 GHz P4)

SPECfp_rate2000 = **8.24**
SPECfp_rate_base2000 = **8.23**

SPEC license #: 55 | Tested by: Dell, Round Rock, TX | Test date: Sep-2002 | Hardware Avail: Sep-2001 | Software Avail: Jun-2002

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	1	182	10.2	1	174	10.7
171.swim	1	230	15.6	1	230	15.6
172.mgrid	1	267	7.81	1	267	7.81
173.applu	1	268	9.10	1	265	9.20
177.mesa	1	205	7.93	1	204	7.98
178.galgel	1	284	11.8	1	284	11.8
179.art	1	470	6.41	1	469	6.43
183.quake	1	144	10.5	1	168	8.98
187.facerec	1	238	9.26	1	238	9.27
188.amp	1	544	4.69	1	542	4.70
189.lucas	1	195	11.9	1	184	12.6
191.fma3d	1	307	7.93	1	307	7.94
200.sixtrack	1	338	3.77	1	326	3.91
301.apsi	1	509	5.92	1	505	5.97

Hardware

CPU: Intel Pentium 4 (400 MHz system bus)
CPU MHz: 1800
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: 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 Fortran 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.quake: -Qipo -QxW -O3 -Oa +FDO shlw32M.lib
 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 (1.8 GHz P4)

SPECfp_rate2000 = 8.24
SPECfp_rate_base2000 = 8.23

SPEC license #: 55 | Tested by: Dell, Round Rock, TX | Test date: Sep-2002 | Hardware Avail: Sep-2001 | 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