



CFP2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

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.quake	1	99.4	15.2	1	96.4	15.6
187.facerec	1	155	14.2	1	155	14.2
188.amp	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.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 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

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