



CFP2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

Dell
Precision Workstation 650 (3.20 GHz Xeon, 1MB L3 Cache)

SPECfp_rate2000 = 13.9
SPECfp_rate_base2000 = 13.8

SPEC license #: 55 | Tested by: Dell Inc., Round Rock, TX | Test date: Jan-2004 | Hardware Avail: Oct-2003 | Software Avail: Dec-2003

24 21 18 15 12 9 6 3							Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
.....							168.wupwise	1	101	18.4	1	101	18.4
.....							171.swim	1	182	19.8	1	182	19.8
.....							172.mgrid	1	164	12.8	1	164	12.8
.....							173.applu	1	193	12.6	1	187	13.0
.....							177.mesa	1	99.8	16.3	1	99.8	16.3
.....							178.galgel	1	147	22.9	1	147	22.9
.....							179.art	1	290	10.4	1	280	10.8
.....							183.quake	1	97.8	15.4	1	97.8	15.4
.....							187.facerec	1	131	16.8	1	128	17.2
.....							188.amp	1	254	10.1	1	254	10.1
.....							189.lucas	1	146	15.9	1	146	15.9
.....							191.fma3d	1	186	13.1	1	186	13.1
.....							200.sixtrack	1	180	7.09	1	180	7.09
.....							301.apsi	1	276	10.9	1	276	10.9

Hardware

CPU: Intel Xeon (533 MHz system bus)
 CPU MHz: 3200
 FPU: Integrated
 CPU(s) enabled: 1 core, 1 chip, 1 core/chip (Hyper-Threading Technology disabled)
 CPU(s) orderable: 2
 Parallel: No
 Primary Cache: 12K(I) micro-ops + 8KB(D) on chip
 Secondary Cache: 512KB(I+D) on chip
 L3 Cache: 1024KB(I+D) on chip
 Other Cache: N/A
 Memory: 4 x 512MB ECC CL2-2-2 PC2100 DDR SDRAM
 Disk Subsystem: 1 x 36GB U320 SCSI, 10K RPM
 Other Hardware:

Software

Operating System: Windows XP Professional SP1
 Compiler: Intel C/C++ Compiler 8.0 (20031229Z)
 Intel Fortran Compiler 8.0 (20031229Z)
 Microsoft Visual Studio .NET (7.0.9466)
 File System: NTFS
 System State: Default

Notes/Tuning Information

```

PORTABILITY
 178.galgel: -FI /F32000000
FEEDBACK DIRECTED OPTIMIZATION
ONESTEP=YES
FDO: PASS1= -Qprof_gen PASS2=-Qprof_use
BASE TUNING
C/F77/F90: -QxN -Qipo -O3 +FDO
PEAK TUNING
168.wupwise: basepeak=yes
171.swim: basepeak=yes
172.mgrid: basepeak=yes
173.applu: -QxN -Qipo -O3 -Qscalar_rep- -Qauto +FDO
177.mesa: -QxN -Qipo -O3 -Oa +FDO
178.galgel: basepeak=yes
179.art: -Qipo -Oa -Qunroll4 -Zp4
183.quake: -QxN -Qipo -O3 -Oa -Qrcd +FDO
187.facerec: -QaxN -Qipo -O3 -Qunroll1 -Qscalar_rep- +FDO

```



CFP2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

Dell

Precision Workstation 650 (3.20 GHz Xeon, 1MB L3 Cache)

SPECfp_rate2000 = 13.9

SPECfp_rate_base2000 = 13.8

SPEC license #: 55 | Tested by: Dell Inc., Round Rock, TX | Test date: Jan-2004 | Hardware Avail: Oct-2003 | Software Avail: Dec-2003

Notes/Tuning Information (Continued)

188.ammf: basepeak=yes
189.lucas: -QaxN -Qipo -O3
191.fma3d: basepeak=yes
200.sixtrack: basepeak=yes
301.apsi: basepeak=yes

NOTES
1 CPU Disabled in the BIOS.
Hyper-Threading Technology not enabled.