



CFP2000 Result

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

SPECfp2000 = **1202**
SPECfp_base2000 = **1194**

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	101	1587	101	1587	
171.swim	3100	182	1706	182	1706	
172.mgrid	1800	164	1099	164	1099	
173.applu	2100	193	1088	187	1124	
177.mesa	1400	99.8	1403	99.8	1403	
178.galgel	2900	147	1971	147	1971	
179.art	2600	290	896	280	927	
183.quake	1300	97.8	1329	97.8	1329	
187.facerec	1900	131	1452	128	1479	
188.amp	2200	254	867	254	867	
189.lucas	2000	146	1367	146	1373	
191.fma3d	2100	186	1130	186	1130	
200.sixtrack	1100	180	612	180	612	
301.apsi	2600	276	943	276	943	

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



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Dell

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

SPECfp2000 = 1202

SPECfp_base2000 = 1194

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.