



CFP2000 Result

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Dell
Precision Workstation 650 (2.80 GHz Xeon, 1MB L3 Cache)

SPECfp_rate2000 = 12.8
SPECfp_rate_base2000 = 12.7

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	1	111	16.7	1	111	16.7
171.swim	1	191	18.8	1	191	18.8
172.mgrid	1	181	11.5	1	181	11.5
173.applu	1	218	11.2	1	197	12.4
177.mesa	1	113	14.3	1	113	14.3
178.galgel	1	158	21.3	1	158	21.3
179.art	1	304	9.92	1	291	10.4
183.quake	1	105	14.4	1	103	14.7
187.facerec	1	146	15.1	1	141	15.6
188.amp	1	278	9.18	1	278	9.18
189.lucas	1	153	15.2	1	152	15.3
191.fma3d	1	205	11.9	1	205	11.9
200.sixtrack	1	208	6.15	1	208	6.15
301.apsi	1	303	9.95	1	303	9.95

Hardware

CPU: Intel Xeon (533 MHz system bus)
 CPU MHz: 2800
 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 18GB 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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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.