



CFP2000 Result

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Dell
Precision Workstation 650 (2.40 GHz Xeon, 1MB L3 Cache)

SPECfp_rate2000 = 12.0
SPECfp_rate_base2000 = 11.9

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

21 18 15 12 9 6 3							Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
.....							168.wupwise	1	123	15.1	1	123	15.1
.....							171.swim	1	190	18.9	1	190	18.9
.....							172.mgrid	1	197	10.6	1	197	10.6
.....							173.applu	1	213	11.4	1	206	11.8
.....							177.mesa	1	132	12.3	1	132	12.3
.....							178.galgel	1	167	20.1	1	167	20.1
.....							179.art	1	297	10.2	1	293	10.3
.....							183.quake	1	108	13.9	1	109	13.9
.....							187.facerec	1	159	13.9	1	155	14.2
.....							188.amp	1	295	8.64	1	295	8.64
.....							189.lucas	1	156	14.9	1	155	14.9
.....							191.fma3d	1	223	10.9	1	223	10.9
.....							200.sixtrack	1	240	5.31	1	240	5.31
.....							301.apsi	1	332	9.10	1	332	9.10

Hardware

CPU: Intel Xeon (533 MHz system bus)
CPU MHz: 2400
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.