



CFP2000 Result

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

SPECfp2000 = **1031**
SPECfp_base2000 = **1026**

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	Bar Chart
168.wupwise	1600	123	1304	123	1304	[Bar]
171.swim	3100	190	1629	190	1629	[Bar]
172.mgrid	1800	197	914	197	914	[Bar]
173.applu	2100	213	986	206	1021	[Bar]
177.mesa	1400	132	1062	132	1062	[Bar]
178.galgel	2900	167	1733	167	1733	[Bar]
179.art	2600	297	877	293	886	[Bar]
183.earthquake	1300	108	1199	109	1198	[Bar]
187.facerec	1900	159	1199	155	1226	[Bar]
188.amp	2200	295	745	295	745	[Bar]
189.lucas	2000	156	1284	155	1288	[Bar]
191.fma3d	2100	223	943	223	943	[Bar]
200.sixtrack	1100	240	458	240	458	[Bar]
301.apsi	2600	332	784	332	784	[Bar]

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.earthquake: -QxN -Qipo -O3 -Oa -Qrcd +FDO
187.facerec: -QaxN -Qipo -O3 -Qunroll1 -Qscalar_rep- +FDO



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Notes/Tuning Information (Continued)

188. ammp: 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.