



CFP2000 Result

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Dell
Precision Workstation 650 (3.06 GHz Xeon, 1MB L3 Cache)

SPECfp_rate2000 = 18.2
SPECfp_rate_base2000 = 18.0

SPEC license #: 55 | Tested by: Dell, Round Rock, TX | Test date: Jun-2003 | Hardware Avail: Jul-2003 | Software Avail: Apr-2003

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	118	31.5	2	117	31.6
171.swim	2	484	14.9	2	484	14.9
172.mgrid	2	271	15.4	2	273	15.3
173.applu	2	362	13.4	2	361	13.5
177.mesa	2	114	28.5	2	111	29.3
178.galgel	2	228	29.5	2	228	29.5
179.art	2	631	9.56	2	607	9.94
183.quake	2	167	18.1	2	167	18.1
187.facerec	2	172	25.6	2	169	26.1
188.amp	2	329	15.5	2	328	15.6
189.lucas	2	309	15.0	2	310	15.0
191.fma3d	2	247	19.8	2	247	19.8
200.sixtrack	2	195	13.1	2	191	13.4
301.apsi	2	346	17.4	2	344	17.5

Hardware

CPU: Intel Xeon (533 MHz system bus)
CPU MHz: 3066
FPU: Integrated
CPU(s) enabled: 2 cores, 2 chips, 1 core/chip
CPU(s) orderable: 1,2
Parallel: No
Primary Cache: 12K(I) micro-ops + 8KB(D) on chip
Secondary Cache: 512KB(I+D) on chip
L3 Cache: 1024KB
Other Cache: N/A
Memory: 4 x 512MB PC2100 CL2-2-2 DDR ECC SDRAM
Disk Subsystem: 1 x 36GB 10K U320 SCSI
Other Hardware:

Software

Operating System: Windows XP Professional SP1
Compiler: Intel C++ Compiler 7.1 (20030402Z)
Intel Fortran Compiler 7.1 (20030402Z)
Microsoft Visual Studio .NET (7.0.9466)
File System: NTFS
System State: Default

Notes/Tuning Information

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

```



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Notes/Tuning Information (Continued)

188. ammp: -Oa -QxW
189. lucas: -Qipo -QaxW
191. fma3d: basepeak=yes
200. sixtrack: -Qipo -QxW +FDO
301. apsi: -Qipo -QxW -O3 +FDO