



CFP2000 Result

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

SPECfp_rate2000 = 13.8
SPECfp_rate_base2000 = 13.6

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	
24	21	18	15	12	9	6	3	168.wupwise	1	102	18.2	1	102	18.2
.....							171.swim	1	201	17.9	1	201	17.8	
.....							172.mgrid	1	158	13.2	1	158	13.2	
.....							173.applu	1	196	12.4	1	196	12.4	
.....							177.mesa	1	111	14.6	1	110	14.7	
.....							178.galgel	1	147	22.9	1	147	22.9	
.....							179.art	1	287	10.5	1	279	10.8	
.....							183.quake	1	97.0	15.5	1	93.0	16.2	
.....							187.facerec	1	131	16.8	1	127	17.3	
.....							188.amp	1	260	9.82	1	257	9.91	
.....							189.lucas	1	150	15.5	1	148	15.6	
.....							191.fma3d	1	181	13.5	1	181	13.5	
.....							200.sixtrack	1	194	6.59	1	189	6.75	
.....							301.apsi	1	266	11.3	1	266	11.4	

Hardware

CPU: Intel Xeon (533 MHz system bus)
 CPU MHz: 3066
 FPU: Integrated
 CPU(s) enabled: 1 core, 1 chip, 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

NOTES:

1 CPU disabled via BIOS setting.