



CFP2000 Result

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Dell
Precision WorkStation 530 (2.8 GHz Xeon)

SPECfp2000 = **887**
SPECfp_base2000 = **878**

SPEC license #: 55 | Tested by: Dell, Round Rock, TX | Test date: Sep-2002 | Hardware Avail: Sep-2002 | Software Avail: Jun-2002

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	136	1180	131	1224	
171.swim	3100	228	1361	228	1361	
172.mgrid	1800	220	820	220	820	
173.applu	2100	229	915	226	930	
177.mesa	1400	133	1054	132	1061	
178.galgel	2900	239	1215	239	1216	
179.art	2600	492	528	492	528	
183.quake	1300	128	1012	126	1029	
187.facerec	1900	176	1077	176	1078	
188.amp	2200	431	510	429	513	
189.lucas	2000	168	1189	165	1214	
191.fma3d	2100	232	906	232	904	
200.sixtrack	1100	223	492	216	510	
301.apsi	2600	387	672	384	677	

Hardware

CPU: Intel Xeon (400 MHz system bus)
CPU MHz: 2800
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: N/A
Other Cache: N/A
Memory: 2 x 256MB PC800-45 ECC RDRAM
Disk Subsystem: 1 x 18GB Fujitsu Limited 10K U160
Other Hardware:

Software

Operating System: Windows XP Professional
Compiler: Intel C++ and Fortran Compiler 6.0 (020423Z)
Microsoft Visual Studio .NET (7.0.9466)
MicroQuill SmartHeap Library 6.01
File System: NTFS
System State: Default

Notes/Tuning Information

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PORTABILITY
 178.galgel: -FI -F32000000
FEEDBACK-DIRECTED OPTIMIZATION
FDO: PASS1= -Qprof_gen PASS2= -Qprof_use
BASE TUNING
C-F77-F90: -Qipo -QxW -O3 +FDO
PEAK TUNING
168.wupwise: -Qipo -QxW +FDO
171.swim: -Qipo -QxW -O3 +FDO
172.mgrid: -Qipo -QaxW -O3 +FDO
173.applu: -Qipo -QxW -O3 -Qscalar_rep- +FDO
177.mesa: -Qipo -QxW -O3 -Oa +FDO
178.galgel: -Qipo -QxW -O3 +FDO
179.art: -Qipo -QxW -O3 -Oa +FDO
183.quake: -Qipo -QxW -O3 -Oa +FDO shlw32M.lib
187.facerec: -Qipo -QxW -O3 +FDO
188.amp: -Qipo -QxW -O3 -Oa +FDO

```



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Notes/Tuning Information (Continued)

189.lucas: -Qipo -QaxW
191.fma3d: -Qipo -QxW -O3 +FDO
200.sixtrack: -Qipo -QxW +FDO
301.apsi: -Qipo -QxW +FDO
EXTRA LIBRARIES
shlw32M.lib: MicroQuill SmartHeap Library 6.01
www.microquill.com