



CFP2000 Result

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Dell
Precision WorkStation 530 (1.8 GHz Xeon)

SPECfp_rate2000 = **8.31**
SPECfp_rate_base2000 = **8.28**

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	1	182	10.2	1	174	10.7
171.swim	1	234	15.3	1	234	15.3
172.mgrid	1	269	7.76	1	269	7.75
173.applu	1	273	8.91	1	270	9.04
177.mesa	1	202	8.04	1	201	8.08
178.galgel	1	281	12.0	1	281	12.0
179.art	1	481	6.27	1	479	6.30
183.quake	1	147	10.3	1	167	9.02
187.facerec	1	223	9.88	1	223	9.88
188.amp	1	507	5.04	1	505	5.06
189.lucas	1	198	11.7	1	188	12.3
191.fma3d	1	310	7.87	1	309	7.87
200.sixtrack	1	343	3.72	1	330	3.87
301.apsi	1	483	6.24	1	478	6.31

Hardware

CPU: Intel Xeon (400 MHz system bus)
CPU MHz: 1800
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