



CFP2000 Result

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Dell
Precision WorkStation 530 (2.0 GHz Xeon)

SPECfp2000 = **758**
SPECfp_base2000 = **753**

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	168	950	161	991	
171.swim	3100	234	1323	233	1328	
172.mgrid	1800	252	715	251	716	
173.applu	2100	264	797	259	812	
177.mesa	1400	182	769	181	774	
178.galgel	2900	271	1072	270	1073	
179.art	2600	486	534	478	544	
183.quake	1300	142	918	155	838	
187.facerec	1900	207	920	206	922	
188.amp	2200	485	454	483	455	
189.lucas	2000	190	1054	182	1101	
191.fma3d	2100	289	727	288	728	
200.sixtrack	1100	309	355	298	369	
301.apsi	2600	455	572	451	576	

Hardware

CPU: Intel Xeon (400 MHz system bus)
CPU MHz: 2000
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

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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SPECfp_base2000 = 753

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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