



CFP2000 Result

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Dell
Precision WorkStation 530 (1.8 GHz Xeon)

SPECfp2000 = **717**
SPECfp_base2000 = **715**

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	500 1000 1500 2000			
168.wupwise	1600	181	882	174	921	[Bar chart showing ratio bars for 168.wupwise]			
171.swim	3100	234	1323	234	1323	[Bar chart showing ratio bars for 171.swim]			
172.mgrid	1800	269	669	269	669	[Bar chart showing ratio bars for 172.mgrid]			
173.applu	2100	273	768	270	779	[Bar chart showing ratio bars for 173.applu]			
177.mesa	1400	201	696	200	700	[Bar chart showing ratio bars for 177.mesa]			
178.galgel	2900	281	1033	281	1033	[Bar chart showing ratio bars for 178.galgel]			
179.art	2600	480	541	479	543	[Bar chart showing ratio bars for 179.art]			
183.quake	1300	147	885	167	778	[Bar chart showing ratio bars for 183.quake]			
187.facerec	1900	223	851	223	852	[Bar chart showing ratio bars for 187.facerec]			
188.amp	2200	506	435	504	436	[Bar chart showing ratio bars for 188.amp]			
189.lucas	2000	198	1009	188	1063	[Bar chart showing ratio bars for 189.lucas]			
191.fma3d	2100	309	679	309	679	[Bar chart showing ratio bars for 191.fma3d]			
200.sixtrack	1100	343	321	330	334	[Bar chart showing ratio bars for 200.sixtrack]			
301.apsi	2600	482	539	478	544	[Bar chart showing ratio bars for 301.apsi]			

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

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 = 715

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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