



CFP2000 Result

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Dell
Precision WorkStation 340 (2.8 GHz P4)

SPECfp2000 = 947
SPECfp_base2000 = 938

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	129	1242	124	1288	
171.swim	3100	209	1482	209	1483	
172.mgrid	1800	206	874	206	874	
173.applu	2100	210	1000	207	1016	
177.mesa	1400	132	1063	130	1076	
178.galgel	2900	217	1334	217	1333	
179.art	2600	460	566	459	566	
183.earthquake	1300	119	1092	119	1092	
187.facerec	1900	164	1157	164	1157	
188.ampm	2200	394	559	392	561	
189.lucas	2000	154	1302	151	1327	
191.fma3d	2100	221	951	221	950	
200.sixtrack	1100	218	505	212	519	
301.apsi	2600	361	721	358	726	

Hardware

CPU: Intel Pentium 4 (533 MHz system bus)
 CPU MHz: 2800
 FPU: Integrated
 CPU(s) enabled: 1 core, 1 chip, 1 core/chip
 CPU(s) orderable: 1
 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 PC800-40 ECC RDRAM
 Disk Subsystem: 1 x 10GB Maxtor 7.2K ATA/100
 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.earthquake: -Qipo -QxW -O3 -Oa +FDO shlw32M.lib
 187.facerec: -Qipo -QxW -O3 +FDO
 188.ampm: -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