



CFP2000 Result

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Dell
Precision WorkStation 340 (2.4 GHz P4)

SPECfp2000 = 882
SPECfp_base2000 = 872

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	144	1115	137	1167	
171.swim	3100	217	1431	215	1442	
172.mgrid	1800	218	827	217	830	
173.applu	2100	230	914	224	938	
177.mesa	1400	151	925	150	931	
178.galgel	2900	234	1242	231	1257	
179.art	2600	448	581	444	586	
183.quake	1300	124	1045	131	992	
187.facerec	1900	174	1094	173	1098	
188.amp	2200	414	532	412	534	
189.lucas	2000	163	1228	156	1279	
191.fma3d	2100	246	853	246	854	
200.sixtrack	1100	255	432	247	446	
301.apsi	2600	389	668	384	677	

Hardware

CPU: Intel Pentium 4 (533 MHz system bus)
 CPU MHz: 2400
 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

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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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CFP2000 Result

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Dell
Precision WorkStation 340 (2.4 GHz P4)

SPECfp2000 =	882
SPECfp_base2000 =	872

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

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