



CFP2000 Result

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Dell
Precision WorkStation 340 (2.2 GHz P4)

SPECfp_rate2000 = 9.49
SPECfp_rate_base2000 = 9.43

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	155	12.0	1	149	12.5
171.swim	1	226	15.9	1	225	15.9
172.mgrid	1	234	8.90	1	233	8.95
173.applu	1	247	9.87	1	243	10.0
177.mesa	1	165	9.84	1	164	9.90
178.galgel	1	252	13.4	1	252	13.4
179.art	1	467	6.46	1	467	6.45
183.quake	1	133	11.3	1	141	10.7
187.facerec	1	188	11.7	1	188	11.7
188.amp	1	445	5.73	1	443	5.76
189.lucas	1	176	13.2	1	169	13.7
191.fma3d	1	266	9.15	1	266	9.15
200.sixtrack	1	277	4.60	1	268	4.76
301.apsi	1	416	7.24	1	413	7.30

Hardware

CPU: Intel Pentium 4 (400 MHz system bus)
CPU MHz: 2200
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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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