



CFP2000 Result

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Dell
Precision WorkStation 330 (1.50 GHz P4)

SPECfp_rate2000 = 6.38
SPECfp_rate_base2000 = 6.28

SPEC license #: 55 | Tested by: Dell, Round Rock, TX | Test date: Nov-2000 | Hardware Avail: Nov-2000 | Software Avail: Oct-2000

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	416	8.92	2	416	8.92
171.swim	2	508	14.2	2	508	14.2
172.mgrid	2	652	6.40	2	599	6.98
173.applu	2	662	7.36	2	662	7.36
177.mesa	2	516	6.30	2	522	6.22
178.galgel	2	1118	6.02	2	1113	6.04
179.art	2	1013	5.96	2	987	6.11
183.quake	2	356	8.46	2	323	9.35
187.facerec	2	854	5.16	2	848	5.20
188.amp	2	1226	4.16	2	1217	4.19
189.lucas	2	533	8.70	2	533	8.70
191.fma3d	2	994	4.90	2	994	4.90
200.sixtrack	2	867	2.94	2	864	2.95
301.apsi	2	1249	4.83	2	1249	4.83

Hardware

CPU: Pentium 4
CPU MHz: 1500
FPU: Integrated
CPU(s) enabled: 1 core, 1 chip, 1 core/chip
CPU(s) orderable: 1
Parallel: No
Primary Cache: 12K(I) uOps + 8KB(D) on chip
Secondary Cache: 256KB(I+D) on chip
L3 Cache: N/A
Other Cache: N/A
Memory: 2 x 256MB PC800 RDRAM
Disk Subsystem: 1 x 40GB Maxtor 7.2K ATA/5
Other Hardware:

Software

Operating System: Windows NT 4.0 (SP5)
Compiler: Intel C and Fortran Compiler 5.0 for Windows NT
Microsoft Visual C++ 6.0 (for libraries)
MicroQuill SmartHeap Library 5.0
File System: NTFS
System State: Default

Notes/Tuning Information

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FEEDBACK-DIRECTED OPTIMIZATION
+FDO: PASS1= -Qprof_gen PASS2= -Qprof_use
BASE TUNING
C/F77/F90: -Qipo -QxW -O3 +FDO
PORTABILITY
178.galgel: -FI /F32000000
PEAK TUNING
168.wupwise: -Qipo -QxW -O3 +FDO
171.swim: -Qipo -QxW -O3 +FDO
172.mgrid: -Qipo -QaxW -O3 +FDO
173.applu: -Qipo -QxW -O3 +FDO
177.mesa: -Qipo -QxW -Oa -O3 +FDO
178.galgel: -Qipo -QxW -O3 +FDO
179.art: -Qipo -QxW -O3 -Oa +FDO shlw32M.lib
183.quake: -Qipo -QxW -Qrcd -Oa +FDO shlw32M.lib
187.facerec: -Qipo -QxW -O3 +FDO shlw32M.lib
188.amp: -Qipo -QxW -O3 -Oa +FDO

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Notes/Tuning Information (Continued)

189.lucas: -Qipo -QxW -O3 +FDO
191.fma3d: -Qipo -QxW -O3 +FDO
200.sixtrack: -Qipo -QxW +FDO
301.apsi: -Qipo -QxW -O3 +FDO

LIBRARIES

shlW32M.lib: MicroQuill SmartHeap Library 5.0
www.microquill.com

Library ordering for 187.facerec (include SmartHeap correctly with default
libs): LIBS=libIEPCF90.lib libintrins.lib libF90.lib libqwind.lib libm.lib
shlW32M.lib LIBC.lib libirc.lib OLDNAMES.lib