



CFP2000 Result

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Dell
Precision WorkStation 330 (1.40 GHz P4)

SPECfp_rate2000 = **6.15**
SPECfp_rate_base2000 = **6.06**

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	436	8.52	2	436	8.52
171.swim	2	508	14.2	2	507	14.2
172.mgrid	2	686	6.09	2	627	6.66
173.applu	2	674	7.23	2	674	7.23
177.mesa	2	549	5.91	2	556	5.84
178.galgel	2	1141	5.90	2	1142	5.89
179.art	2	1014	5.95	2	990	6.10
183.quake	2	366	8.25	2	337	8.96
187.facerec	2	900	4.90	2	895	4.93
188.amp	2	1260	4.05	2	1250	4.08
189.lucas	2	550	8.44	2	550	8.44
191.fma3d	2	1042	4.67	2	1043	4.67
200.sixtrack	2	926	2.76	2	922	2.77
301.apsi	2	1298	4.65	2	1298	4.65

Hardware

CPU: Pentium 4
 CPU MHz: 1400
 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