



CFP2000 Result

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Dell
Precision WorkStation 530 (2.4 GHz Xeon)

SPECfp_rate2000 = 14.2
SPECfp_rate_base2000 = 13.6

SPEC license #: 55 | Tested by: Dell, Round Rock, TX | Test date: Apr-2002 | Hardware Avail: Apr-2002 | Software Avail: Jun-2001

24 21 18 15 12 9 6 3							Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
.....							168.wupwise	2	157	23.6	2	156	23.7
.....							171.swim	2	472	15.2	2	472	15.2
.....							172.mgrid	2	397	10.5	2	396	10.5
.....							173.applu	2	381	12.8	2	382	12.8
.....							177.mesa	2	148	22.0	2	149	21.7
.....							178.galgel	2	377	17.9	2	376	17.9
.....							179.art	2	998	6.05	2	985	6.12
.....							183.quake	2	244	12.4	2	163	18.5
.....							187.facerec	2	217	20.3	2	225	19.6
.....							188.amp	2	533	9.58	2	518	9.86
.....							189.lucas	2	293	15.8	2	290	16.0
.....							191.fma3d	2	363	13.4	2	317	15.4
.....							200.sixtrack	2	255	10.0	2	245	10.4
.....							301.apsi	2	501	12.0	2	496	12.2

Hardware

CPU: Intel Xeon (400 MHz system bus)
CPU MHz: 2400
FPU: Integrated
CPU(s) enabled: 2 cores, 2 chips, 1 core/chip
CPU(s) orderable: 1, 2
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 ECC RDRAM
Disk Subsystem: 1 x 9GB Fujitsu 10K U160
Other Hardware:

Software

Operating System: Windows 2000 Professional (SP2)
Compiler: Intel C++ and Fortran Compiler 5.0.1 (020125Z)
Microsoft Visual C++ 6.0 (SP5)
MicroQuill SmartHeap Library 5.0
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 +FDO /QxW /O3
PEAK TUNING
168.wupwise: /Qipo +FDO /QxW /Qprefetch
171.swim: /Qipo +FDO /QxW /O3
172.mgrid: /Qipo +FDO /QaxW /O3
173.applu: /Qipo +FDO /QxW /O3 /Qscalar_rep- /Qauto
177.mesa: -Qwp_ipo +FDO -QxW -Qunroll10
178.galgel: /Qipo +FDO /QxW /O3
179.art: -Qipo +FDO -QxW -O3 shlw32M.lib
183.quake: -Qwp_ipo +FDO -QxW -Oa shlw32M.lib
187.facerec: /Qipo +FDO /QxW /O3 shlw32M.lib
188.amp: -Qipo +FDO -QaxW -Oa

```



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Notes/Tuning Information (Continued)

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189.lucas: /Qipo /QxW /Qunroll10
191.fma3d: /Qipo +FDO /QxW /O3
200.sixtrack: /Qipo +FDO /QxW
301.apsi: /Qipo /QxW /O3
EXTRA LIBRARIES
shlW32M.lib: MicroQuill SmartHeap Library 5.0
www.microquill.com
LIBRARY ORDERING
187.facerec: libIEPCF90.lib libintrins.lib libF90.lib libqwin.lib
libm.lib shlW32M.lib LIBC.lib libirc.lib OLDNAMES.lib
```