



CFP2000 Result

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Dell
Precision WorkStation 330 (1.80 GHz P4)

SPECfp_rate2000 = **7.32**
SPECfp_rate_base2000 = **7.13**

SPEC license #: 55 | Tested by: Dell, Round Rock, TX | Test date: Jul-2001 | Hardware Avail: Jul-2001 | Software Avail: Oct-2000

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	1	178	10.4	1	179	10.4
171.swim	1	239	15.0	1	239	15.0
172.mgrid	1	281	7.42	1	262	7.98
173.applu	1	283	8.60	1	278	8.76
177.mesa	1	208	7.80	1	205	7.93
178.galgel	1	493	6.83	1	492	6.83
179.art	1	490	6.15	1	479	6.30
183.quake	1	159	9.46	1	137	11.0
187.facerec	1	363	6.07	1	355	6.21
188.amp	1	551	4.63	1	547	4.66
189.lucas	1	231	10.0	1	225	10.3
191.fma3d	1	472	5.16	1	472	5.16
200.sixtrack	1	358	3.56	1	353	3.62
301.apsi	1	549	5.49	1	543	5.55

Hardware

CPU: Pentium 4
CPU MHz: 1800
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: 256KB(I+D) on chip
L3 Cache: N/A
Other Cache: N/A
Memory: 2 x 128MB PC800 ECC RDRAM
Disk Subsystem: 1 x 20GB Maxtor 7.2K ATA/5
Other Hardware:

Software

Operating System: Windows 2000 (SP1)
Compiler: Intel C++ and Fortran Compiler 5.0 (001004)
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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PORTABILITY
 178.galgel: -FI /F32000000
FEEDBACK-DIRECTED OPTIMIZATION
FDO1: PASS1= /Qprof_gen
FDO2: PASS1= /Qprof_gen PASS2= /Qprof_use
BASE TUNING
C/F77/F90: -Qipo +FDO2 -QxW -O3
PEAK TUNING
168.wupwise: /Qipo +FDO2 /QxW /Qprefetch
171.swim: /Qipo +FDO2 /QxW /O3
172.mgrid: /Qipo +FDO2 /QaxW /O3
173.applu: /Qipo +FDO2 /QxW /O3 /Qscalar_rep- /Qauto
177.mesa: -Qwp_ipo +FDO2 -QxW -Qunroll10
178.galgel: /Qipo +FDO2 /QxW /O3
179.art: -Qipo +FDO2 -QxW -Oa shlw32M.lib
183.quake: -Qwp_ipo +FDO2 -QxW -Oa shlw32M.lib
187.facerec: /Qipo +FDO2 /QxW /O3 /Qauto shlw32M.lib

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Notes/Tuning Information (Continued)

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188. ammp:      -Qipo +FDO2 -QaxW -Oa
189. lucas:     /Qipo +FDO1 /QxW /Qunroll10
191. fma3d:    /Qipo +FDO2 /QxW /O3
200. sixtrack: /Qipo +FDO2 /QaxW
301. psi:      /Qipo +FDO1 /QxW /O3
EXTRA LIBRARIES
shlW32M.lib:   MicroQuill SmartHeap Library 5.0
               www.microquill.com
LIBRARY ORDERING
187. facerec:  libIEPCF90.lib libintrins.lib libF90.lib libqwind.lib
               libm.lib shlW32M.lib LIBC.lib libirc.lib OLDNAMES.lib
```