



CFP2000 Result

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Dell
Precision WorkStation 330 (1.40 GHz P4)

SPECfp_rate2000 = 6.26
SPECfp_rate_base2000 = 6.10

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	1	216	8.61	1	215	8.62
171.swim	1	248	14.5	1	249	14.5
172.mgrid	1	341	6.13	1	311	6.71
173.applu	1	333	7.31	1	323	7.54
177.mesa	1	265	6.13	1	260	6.23
178.galgel	1	561	5.99	1	562	5.99
179.art	1	501	6.02	1	488	6.18
183.quake	1	181	8.32	1	160	9.40
187.facerec	1	448	4.92	1	440	5.01
188.amp	1	625	4.09	1	619	4.12
189.lucas	1	271	8.58	1	261	8.87
191.fma3d	1	577	4.22	1	577	4.22
200.sixtrack	1	459	2.78	1	452	2.82
301.apsi	1	642	4.70	1	636	4.74

Hardware

CPU: Intel 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) micro-ops + 8KB(D) on chip
Secondary Cache: 256KB(I+D) on chip
L3 Cache: N/A
Other Cache: N/A
Memory: 4 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 Build 001004
Microsoft Visual C++ 6.0 (for libraries)
MicroQuill SmartHeap Library 5.0
File System: NTFS
System State: Default

Notes/Tuning Information

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 OLDDNAMES.lib
```