



CFP2000 Result

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Dell
Precision WorkStation 330 (1.50 GHz P4)

SPECfp2000 = **564**
SPECfp_base2000 = **549**

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	204	783	204	783	
171.swim	3100	247	1255	247	1255	
172.mgrid	1800	323	558	296	608	
173.applu	2100	317	663	309	681	
177.mesa	1400	248	565	244	574	
178.galgel	2900	538	540	538	539	
179.art	2600	503	517	490	531	
183.quake	1300	175	744	153	850	
187.facerec	1900	423	449	414	458	
188.amp	2200	602	366	598	368	
189.lucas	2000	258	775	250	801	
191.fma3d	2100	546	384	546	384	
200.sixtrack	1100	428	257	423	260	
301.apsi	2600	611	425	605	430	

Hardware

CPU: Intel 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) 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 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 -Qunroll0

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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info@spec.org

http://www.spec.org



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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. apsi:     /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
```