



CFP2000 Result

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Dell
Precision WorkStation 330 (1.40 GHz P4)

SPECfp2000 = **541**
SPECfp_base2000 = **527**

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	216	742	215	743	
171.swim	3100	248	1250	248	1250	
172.mgrid	1800	340	529	311	579	
173.applu	2100	332	633	322	652	
177.mesa	1400	264	529	260	538	
178.galgel	2900	558	519	559	519	
179.art	2600	503	517	490	531	
183.quake	1300	181	719	160	812	
187.facerec	1900	448	424	439	432	
188.amp	2200	621	354	616	357	
189.lucas	2000	269	743	260	769	
191.fma3d	2100	577	364	577	364	
200.sixtrack	1100	458	240	452	243	
301.apsi	2600	636	409	631	412	

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: 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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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
```