



CFP2000 Result

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Dell
Precision WorkStation 340 (1.5 GHz P4)

SPECfp2000 = **629**
SPECfp_base2000 = **615**

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	199	805	197	811	
171.swim	3100	241	1284	241	1284	
172.mgrid	1800	307	587	295	611	
173.applu	2100	297	708	294	715	
177.mesa	1400	225	622	228	614	
178.galgel	2900	364	797	364	796	
179.art	2600	483	538	481	540	
183.quake	1300	183	712	154	844	
187.facerec	1900	277	687	285	666	
188.amp	2200	608	362	587	375	
189.lucas	2000	234	854	224	893	
191.fma3d	2100	410	513	409	513	
200.sixtrack	1100	398	277	383	287	
301.apsi	2600	577	451	570	456	

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 Professional (SP2)
 Compiler: Intel C++ and Fortran Compiler 5.0.1 (010727Z)
 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
```