



CFP2000 Result

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Dell
Precision WorkStation 340 (2.0 GHz P4)

SPECfp2000 = **734**
SPECfp_base2000 = **715**

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	163	979	163	984	
171.swim	3100	239	1299	239	1299	
172.mgrid	1800	254	708	248	726	
173.aplu	2100	263	800	261	804	
177.mesa	1400	172	812	175	801	
178.galgel	2900	320	906	320	907	
179.art	2600	474	548	474	549	
183.quake	1300	166	783	131	996	
187.facerec	1900	226	840	232	820	
188.amp	2200	539	408	523	421	
189.lucas	2000	206	972	199	1006	
191.fma3d	2100	333	631	333	632	
200.sixtrack	1100	301	365	290	380	
301.apsi	2600	497	523	491	530	

Hardware

CPU: Intel Pentium 4
 CPU MHz: 2000
 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

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.aplu: /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
```