



# CFP2000 Result

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Dell  
PowerEdge 2650 (2.8 GHz Xeon)

SPECfp2000 = 810  
SPECfp\_base2000 = 774

SPEC license #: 55 Tested by: Dell, Round Rock, TX Test date: Aug-2002 Hardware Avail: Sep-2002 Software Avail: Jun-2001

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	131	1217	130	1232	
171.swim	3100	301	1030	287	1079	
172.mgrid	1800	250	720	244	737	
173.applu	2100	290	724	280	749	
177.mesa	1400	128	1093	129	1082	
178.galgel	2900	296	979	292	994	
179.art	2600	565	460	548	475	
183.quake	1300	167	781	116	1121	
187.facerec	1900	182	1042	188	1008	
188.amp	2200	444	495	426	517	
189.lucas	2000	215	929	209	958	
191.fma3d	2100	269	781	267	786	
200.sixtrack	1100	218	505	209	525	
301.apsi	2600	445	584	434	599	

### Hardware

CPU: Intel Xeon (400 MHz system bus)  
CPU MHz: 2800  
FPU: Integrated  
CPU(s) enabled: 1 core, 1 chip, 1 core/chip (Hyper-Threading Technology disabled)  
CPU(s) orderable: 1, 2  
Parallel: No  
Primary Cache: 12K(I) micro-ops + 8KB(D) on chip  
Secondary Cache: 512KB(I+D) on chip  
L3 Cache: None  
Other Cache: None  
Memory: 6 x 512MB DDR200  
Disk Subsystem: 1 x 36.4GB IBM DDYS-T36950M  
Other Hardware: None

### Software

Operating System: Windows 2000 Advanced Server (SP2)  
Compiler: Intel C++ and Fortran Compiler 5.0.1 (020125Z)  
Microsoft Visual C++ 6.0 (SP5)  
MicroQuill SmartHeap Library 5.0  
File System: NTFS  
System State: Hyper-Threading Technology disabled in BIOS

## 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.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)

```
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
```