



# CFP2000 Result

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Dell  
PowerEdge 4600 (2.0 GHz Xeon)

SPECfp\_rate2000 = 8.04  
SPECfp\_rate\_base2000 = 7.80

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	1	169	11.0	1	167	11.1
171.swim	1	289	12.5	1	288	12.5
172.mgrid	1	282	7.40	1	278	7.52
173.applu	1	295	8.25	1	292	8.33
177.mesa	1	173	9.36	1	176	9.23
178.galgel	1	342	9.84	1	341	9.88
179.art	1	548	5.51	1	543	5.56
183.quake	1	183	8.24	1	136	11.1
187.facerec	1	217	10.2	1	226	9.75
188.amp	1	522	4.88	1	498	5.12
189.lucas	1	234	9.93	1	231	10.1
191.fma3d	1	342	7.11	1	336	7.26
200.sixtrack	1	304	4.20	1	291	4.38
301.apsi	1	505	5.98	1	502	6.00

### Hardware

CPU: Intel Xeon  
 CPU MHz: 2000  
 FPU: Integrated  
 CPU(s) enabled: 1 core, 1 chip, 1 core/chip  
 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: N/A  
 Other Cache: N/A  
 Memory: 16 x 256MB PC1600 DDR  
 Disk Subsystem: 1 x 18GB SEAGATE U160  
 Other Hardware:

### Software

Operating System: Windows 2000 Server Service Pack 2 Build 2195  
 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.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

/numprocs=1 was added to c:\boot.ini file to disable additional CPUs on this system
```