



# CFP2000 Result

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**Dell**  
**PowerEdge 6650 (2.0 GHz Xeon MP)**

SPECfp\_rate2000 = 13.8

SPECfp\_rate\_base2000 = 13.2

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	221	16.8	2	219	17.0
171.swim	2	642	11.2	2	595	12.1
172.mgrid	2	473	8.82	2	455	9.18
173.applu	2	552	8.82	2	520	9.37
177.mesa	2	173	18.7	2	175	18.5
178.galgel	2	260	25.9	2	258	26.1
179.art	2	320	18.8	2	346	17.5
183.quake	2	374	8.06	2	255	11.8
187.facerec	2	285	15.4	2	288	15.3
188.amp	2	298	17.1	2	272	18.8
189.lucas	2	381	12.2	2	370	12.6
191.fma3d	2	446	10.9	2	445	10.9
200.sixtrack	2	295	8.66	2	288	8.86
301.apsi	2	403	15.0	2	403	15.0

### Hardware

CPU: Intel Xeon (400 MHz system bus)  
CPU MHz: 2000  
FPU: Integrated  
CPU(s) enabled: 2 cores, 2 chips, 1 core/chip (Hyper-Threading Technology disabled)  
CPU(s) orderable: 1, 2, 4  
Parallel: No  
Primary Cache: 12K(I) micro-ops + 8KB(D) on chip  
Secondary Cache: 512KB(I+D) on chip  
L3 Cache: 2048KB(I+D) on chip  
Other Cache: None  
Memory: 8 x 512MB DDR200  
Disk Subsystem: 1 x 36GB SEAGATE ST336706LC  
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
```