



# CFP2000 Result

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

SPECfp\_rate2000 = **8.11**  
SPECfp\_rate\_base2000 = **7.85**

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	1	196	9.46	1	196	9.48
171.swim	1	365	9.84	1	366	9.84
172.mgrid	1	401	5.21	1	377	5.54
173.applu	1	423	5.76	1	419	5.81
177.mesa	1	172	9.44	1	174	9.31
178.galgel	1	242	13.9	1	242	13.9
179.art	1	227	13.3	1	241	12.5
183.quake	1	290	5.21	1	220	6.85
187.facerec	1	249	8.84	1	252	8.74
188.amp	1	302	8.45	1	267	9.55
189.lucas	1	293	7.91	1	282	8.21
191.fma3d	1	381	6.40	1	381	6.40
200.sixtrack	1	293	4.36	1	285	4.47
301.apsi	1	374	8.06	1	370	8.15

### Hardware

CPU: Intel Xeon (400 MHz system bus)  
CPU MHz: 2000  
FPU: Integrated  
CPU(s) enabled: 1 core, 1 chip, 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: 4 x 128MB 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
```