



# CFP2000 Result

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

SPECfp2000 = **699**

SPECfp\_base2000 = **677**

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	196	816	196	817	
171.swim	3100	365	848	366	848	
172.mgrid	1800	401	449	377	478	
173.applu	2100	423	496	419	501	
177.mesa	1400	172	814	174	803	
178.galgel	2900	242	1200	242	1199	
179.art	2600	227	1147	241	1078	
183.quake	1300	290	449	220	591	
187.facerec	1900	249	762	252	753	
188.ampm	2200	302	729	267	823	
189.lucas	2000	293	682	282	708	
191.fma3d	2100	381	551	381	551	
200.sixtrack	1100	293	376	285	386	
301.apsi	2600	374	695	370	702	

### 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.ampm: -Qipo +FDO -QaxW -Oa

```



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PowerEdge 6650 (2.0 GHz Xeon MP)

SPECfp2000 = 699  
SPECfp\_base2000 = 677

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

## 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
```