



# CFP2000 Result

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Dell Inc.  
PowerEdge 1855 (3.6Ghz Intel Xeon)

SPECfp\_rate2000 = 31.7  
SPECfp\_rate\_base2000 = 31.5

SPEC license #: 55 | Tested by: Dell Inc., Round Rock, TX | Test date: Jan-2005 | Hardware Avail: Feb-2005 | Software Avail: Oct-2004

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	71.1	52.2	2	71.1	52.2
171.swim	2	265	27.1	2	265	27.1
172.mgrid	2	176	23.7	2	176	23.7
173.applu	2	211	23.1	2	205	23.8
177.mesa	2	89.0	36.5	2	89.0	36.5
178.galgel	2	102	66.3	2	102	66.3
179.art	2	86.9	69.4	2	86.9	69.4
183.quake	2	107	28.3	2	106	28.3
187.facerec	2	122	36.3	2	122	36.3
188.amp	2	182	28.1	2	175	29.1
189.lucas	2	177	26.2	2	177	26.2
191.fma3d	2	198	24.6	2	198	24.6
200.sixtrack	2	169	15.1	2	167	15.3
301.apsi	2	228	26.5	2	228	26.5

### Hardware

CPU: Intel Xeon (3.6Ghz, 2MB L2, 800MHz system bus)  
CPU MHz: 3600  
FPU: Integrated  
CPU(s) enabled: 2 cores, 2 chips, 1 core/chip (Hyper-Threading Technology disabled)  
CPU(s) orderable: 1,2  
Parallel: No  
Primary Cache: 12K(I) micro-ops + 16KB(D) on chip  
Secondary Cache: 2048KB(I+D) on chip  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 4x512MB (dual-ranked) ECC DDR2-400 SDRAM  
Disk Subsystem: 1 x 36GB 15000RPM SCSI  
Other Hardware: None

### Software

Operating System: Windows 2003 Server, Standard Edition  
Compiler: Intel C/C++ Compiler 8.1 (20041019Z)  
Intel Fortran Compiler 8.1 (20041019Z)  
Microsoft Visual Studio .NET 2003(7.1.3088)  
File System: NTFS  
System State: Default

## Notes/Tuning Information

### GENERAL

ONESTEP=yes  
+FDO: PASS1=-Qprof\_gen PASS2=-Qprof\_use

### PORTABILITY

178.galgel: -FI /F3200000  
191.fma3d: Approved src.alt windowsdp

### BASE TUNING

C/F77/F90: -fast -QxP -Qansi\_alias +FDO

### PEAK TUNING

168.wupwise: basepeak=yes  
171.swim: basepeak=yes  
172.mgrid: basepeak=yes  
173.applu: -fast -QxP -Qansi\_alias -Qscalar\_rep- -Qauto +FDO  
177.mesa: basepeak=yes  
178.galgel: basepeak=yes  
179.art: basepeak=yes  
183.quake: -fast -QxP -Qansi\_alias -Oa -Qrcd +FDO



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## Notes/Tuning Information (Continued)

```
187.facerec: -fast -QxP -Qunroll11 -Qscalar_rep- +FDO
188.ammP: -Oa -QxP
189.lucas: -fast -QxP
191.fma3d: basepeak=yes
200.sixtrack: -QxP -Qipo +FDO
301.apsi: basepeak=yes
```