



# CFP2000 Result

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**Dell**  
**PowerEdge 1855 (3.8GHz Intel Xeon)**

SPECfp2000 = **1845**  
SPECfp\_base2000 = **1836**

SPEC license #: 55 Tested by: Dell, Round Rock, TX Test date: Aug-2005 Hardware Avail: Oct-2005 Software Avail: Mar-2005

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	59.8	2674	59.8	2674	
171.swim	3100	134	2318	134	2318	
172.mgrid	1800	114	1573	114	1573	
173.applu	2100	136	1542	136	1541	
177.mesa	1400	84.7	1652	84.7	1652	
178.galgel	2900	78.9	3674	78.9	3674	
179.art	2600	63.6	4085	63.6	4085	
183.quake	1300	64.5	2016	64.5	2016	
187.facerec	1900	103	1842	103	1843	
188.amp	2200	176	1248	169	1299	
189.lucas	2000	99.2	2016	98.1	2038	
191.fma3d	2100	138	1523	138	1523	
200.sixtrack	1100	160	687	158	694	
301.apsi	2600	191	1361	191	1361	

### Hardware

CPU: Intel Xeon (3.8GHz, 2MB L2, 800MHz system bus)  
CPU MHz: 3800  
FPU: Integrated  
CPU(s) enabled: 1 core, 1 chip, 1 core/chip (Hyper-Threading Technology disabled)  
CPU(s) orderable: 1,2  
Parallel: No  
Primary Cache: 12KB(I) + 16KB(D) on chip  
Secondary Cache: 2048KB(I+D) on chip  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 4x2GB (dual-ranked) ECC 400MHz DDR2 SDRAM  
Disk Subsystem: 1 x 36GB 15000RPM SCSI  
Other Hardware: None

### Software

Operating System: Windows Server 2003, Standard Edition, Service Pack 1  
Compiler: Intel C/C++/FORTRAN Compiler 8.1 for IA32 (20041119Z) Microsoft Visual Studio .NET 2003(7.1.3088, for libraries)  
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: srcalt=windowsdp

### BASE TUNING

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

### PEAK TUNING

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



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## Notes/Tuning Information (Continued)

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

NOTES  
\*+FDO does not include -QxP for PASS1 to enable cross-compilation.