



# CFP2000 Result

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**Dell**  
**PowerEdge 1850 (3.8GHz Intel Xeon)**

SPECfp2000 = **1835**  
SPECfp\_base2000 = **1826**

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	60.2	2660	60.2	2660	
171.swim	3100	135	2294	135	2294	
172.mgrid	1800	115	1565	115	1565	
173.applu	2100	137	1535	137	1534	
177.mesa	1400	85.0	1647	85.0	1647	
178.galgel	2900	79.1	3665	79.1	3665	
179.art	2600	64.3	4042	64.3	4042	
183.quake	1300	65.1	1998	64.9	2004	
187.facerec	1900	104	1835	103	1838	
188.amp	2200	177	1241	170	1294	
189.lucas	2000	100	1997	99.0	2020	
191.fma3d	2100	139	1514	139	1514	
200.sixtrack	1100	160	685	159	693	
301.apsi	2600	192	1355	192	1355	

### 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)

```
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.