



# CFP2000 Result

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**Dell**  
**PowerEdge 6800 (3.33GHz Intel Xeon)**

SPECfp2000 = **1232**  
SPECfp\_base2000 = **1227**

SPEC license #: 55 Tested by: Dell, Round Rock, TX Test date: Mar-2005 Hardware Avail: Mar-2005 Software Avail: Nov-2004

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	90.0	1779	90.0	1779	
171.swim	3100	267	1160	267	1160	
172.mgrid	1800	177	1019	177	1019	
173.applu	2100	199	1054	198	1061	
177.mesa	1400	100	1398	100	1398	
178.galgel	2900	113	2572	113	2572	
179.art	2600	92.6	2807	92.6	2807	
183.quake	1300	123	1057	123	1057	
187.facerec	1900	151	1255	151	1255	
188.amp	2200	199	1104	191	1150	
189.lucas	2000	218	916	218	916	
191.fma3d	2100	218	965	218	965	
200.sixtrack	1100	182	603	180	610	
301.apsi	2600	261	997	261	997	

### Hardware

CPU: Intel Xeon (3.33GHz, 1MB L2, 8MB L3, 667MHz system bus)  
 CPU MHz: 3330  
 FPU: Integrated  
 CPU(s) enabled: 1 core, 1 chip, 1 core/chip (Hyper-Threading Technology disabled)  
 CPU(s) orderable: 1,2,3,4  
 Parallel: No  
 Primary Cache: 12K(I) micro-ops + 16KB(D) on chip  
 Secondary Cache: 1024KB(I+D) on chip  
 L3 Cache: 8192KB(I+D) on chip  
 Other Cache: N/A  
 Memory: 8x2GB (dual-ranked) ECC DDR2-400 SDRAM  
 Disk Subsystem: 1 x 36GB 15000RPM SCSI  
 Other Hardware: None

### Software

Operating System: Windows 2003 Server, Enterprise Edition  
 Compiler: Intel C/C++ Compiler 8.1 (20041119Z)  
 Intel Fortran Compiler 8.1 (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
```

This result was measured on the Dell PowerEdge 6850.  
The PowerEdge 6800 and PowerEdge 6850 are electronically equivalent.