



# CFP2000 Result

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Dell  
PowerEdge 6800 (3.66GHz Intel Xeon)

SPECfp\_rate2000 = 34.4  
SPECfp\_rate\_base2000 = 34.4

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	4	135	54.9	4	135	54.9
171.swim	4	495	29.1	4	495	29.1
172.mgrid	4	311	26.9	4	311	26.9
173.applu	4	330	29.5	4	331	29.5
177.mesa	4	95.6	68.0	4	95.6	68.0
178.galgel	4	293	45.9	4	293	45.9
179.art	4	334	36.1	4	334	36.1
183.quake	4	275	22.0	4	274	22.0
187.facerec	4	232	38.0	4	232	38.0
188.amp	4	422	24.2	4	420	24.3
189.lucas	4	326	28.4	4	327	28.4
191.fma3d	4	302	32.3	4	302	32.3
200.sixtrack	4	173	29.5	4	171	29.8
301.apsi	4	286	42.1	4	286	42.1

### Hardware

CPU: Intel Xeon (3.66GHz, 1MB L2, 667MHz system bus)  
 CPU MHz: 3660  
 FPU: Integrated  
 CPU(s) enabled: 4 cores, 4 chips, 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: N/A  
 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)

```
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.