



# CFP2000 Result

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**Dell**  
**PowerEdge 1850 (3.6GHz, Intel Xeon)**

SPECfp2000 = **1503**

SPECfp\_base2000 = **1502**

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	1000 2000 3000 4000			
168.wupwise	1600	68.3	2343	68.3	2343	[Bar chart showing ratio 2343]			
171.swim	3100	138	2239	138	2239	[Bar chart showing ratio 2239]			
172.mgrid	1800	134	1343	134	1343	[Bar chart showing ratio 1343]			
173.applu	2100	146	1437	141	1487	[Bar chart showing ratio 1487]			
177.mesa	1400	88.9	1576	88.9	1575	[Bar chart showing ratio 1575]			
178.galgel	2900	126	2303	126	2303	[Bar chart showing ratio 2303]			
179.art	2600	215	1207	222	1171	[Bar chart showing ratio 1171]			
183.quake	1300	75.5	1722	75.5	1722	[Bar chart showing ratio 1722]			
187.facerec	1900	105	1805	106	1798	[Bar chart showing ratio 1798]			
188.amp	2200	218	1008	218	1008	[Bar chart showing ratio 1008]			
189.lucas	2000	98.5	2031	97.5	2050	[Bar chart showing ratio 2050]			
191.fma3d	2100	146	1438	146	1438	[Bar chart showing ratio 1438]			
200.sixtrack	1100	171	645	171	645	[Bar chart showing ratio 645]			
301.apsi	2600	229	1136	229	1136	[Bar chart showing ratio 1136]			

### Hardware

CPU: Intel Xeon (3.6GHz, 1MB L2, 800MHz bus)  
CPU MHz: 3600  
FPU: Integrated  
CPU(s) enabled: 1 core, 1 chip, 1 core/chip (HT Technology disabled)  
CPU(s) orderable: 1,2  
Parallel: No  
Primary Cache: 16K(I) micro-ops + 16KB(D) on chip  
Secondary Cache: 1024KB(I+D) on chip  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 4 x 2GB ECC DDR2-400 SDRAM  
Disk Subsystem: 1x18.2GB 15K Ultra320 SCSI  
Other Hardware:

### Software

Operating System: Windows Enterprise Server 2003  
Compiler: Intel C/C++ Compiler 8.0 (20040318Z)  
Intel Fortran Compiler 8.0 (20040304Z)  
Microsoft Visual Studio .NET (7.0.9466)  
File System: NTFS  
System State: Default

## Notes/Tuning Information

### GENERAL

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

### PORTABILITY

178.galgel: -FI /F3200000

### BASE TUNING

C/F77/F90: -QxP -Qipo -O3 +FDO

### PEAK TUNING

168.wupwise: basepeak=yes  
171.swim: basepeak=yes  
172.mgrid: basepeak=yes  
173.applu: -QxP -Qipo -O3 -Qscalar\_rep- -Qauto +FDO  
177.mesa: -QxP -Qipo -O3 -Oa +FDO  
178.galgel: basepeak=yes  
179.art: -Qipo -Oa -Qunroll4 -Zp4  
183.quake: -QxP -Qipo -O3 -Oa -Qrcd +FDO  
187.facerec: -QaxP -Qipo -O3 -Qunroll1 -Qscalar\_rep- +FDO



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## Notes/Tuning Information (Continued)

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188. ammp: basepeak=yes
189. lucas: -QaxP -Qipo -O3
191. fma3d: basepeak=yes
200. sixtrack: basepeak=yes
301. apsi: basepeak=yes
```