



# CFP2000 Result

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Dell  
PowerEdgeSC 1425(3.6 GHz Intel Xeon)

SPECfp2000 = 1490

SPECfp\_base2000 = 1485

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	1000 2000 3000 4000			
168.wupwise	1600	68.2	2345	68.2	2345	[Bar chart showing ratio bars for 168.wupwise]			
171.swim	3100	137	2270	137	2270	[Bar chart showing ratio bars for 171.swim]			
172.mgrid	1800	133	1358	133	1358	[Bar chart showing ratio bars for 172.mgrid]			
173.applu	2100	146	1439	142	1475	[Bar chart showing ratio bars for 173.applu]			
177.mesa	1400	88.8	1576	88.8	1576	[Bar chart showing ratio bars for 177.mesa]			
178.galgel	2900	124	2338	124	2338	[Bar chart showing ratio bars for 178.galgel]			
179.art	2600	257	1011	257	1010	[Bar chart showing ratio bars for 179.art]			
183.quake	1300	72.5	1794	72.5	1794	[Bar chart showing ratio bars for 183.quake]			
187.facerec	1900	108	1763	108	1755	[Bar chart showing ratio bars for 187.facerec]			
188.amp	2200	225	979	225	979	[Bar chart showing ratio bars for 188.amp]			
189.lucas	2000	99.5	2010	97.1	2060	[Bar chart showing ratio bars for 189.lucas]			
191.fma3d	2100	145	1445	145	1445	[Bar chart showing ratio bars for 191.fma3d]			
200.sixtrack	1100	169	650	169	650	[Bar chart showing ratio bars for 200.sixtrack]			
301.apsi	2600	231	1125	231	1125	[Bar chart showing ratio bars for 301.apsi]			

### Hardware

CPU: Intel Xeon (3.6 GHz, 1MB L2, 800MHz system 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: 12K(I) micro-ops + 16KB(D) on chip  
 Secondary Cache: 1024KB(I+D) on chip  
 L3 Cache: N/A  
 Other Cache: N/A  
 Memory: 4x512MB (dual-ranked) ECC DDR2-400 SDRAM  
 Disk Subsystem: 1 x 36GB 15000RPM SCSI  
 Other Hardware: None

### Software

Operating System: Windows 2003 Server, Standard Edition  
 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
```