



# CFP2000 Result

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Dell Inc.  
PowerEdge 1420SC (3.6Ghz Intel Xeon)

SPECfp2000 = 1783  
SPECfp\_base2000 = 1775

SPEC license #: 55 Tested by: Dell Inc., Round Rock, TX Test date: Jan-2005 Hardware Avail: Feb-2005 Software Avail: Oct-2004

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	61.8	2588	61.8	2588	
171.swim	3100	135	2296	135	2296	
172.mgrid	1800	118	1520	118	1520	
173.applu	2100	142	1479	143	1474	
177.mesa	1400	89.0	1573	89.0	1573	
178.galgel	2900	89.2	3252	89.2	3252	
179.art	2600	64.5	4031	64.5	4031	
183.quake	1300	66.5	1956	66.4	1957	
187.facerec	1900	104	1824	104	1825	
188.amp	2200	178	1239	171	1285	
189.lucas	2000	97.0	2061	96.2	2079	
191.fma3d	2100	145	1448	145	1448	
200.sixtrack	1100	170	649	167	659	
301.apsi	2600	198	1311	198	1311	

### Hardware

CPU: Intel Xeon (3.6Ghz, 2MB L2, 800MHz system bus)  
 CPU MHz: 3600  
 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: 12K(I) micro-ops + 16KB(D) on chip  
 Secondary Cache: 2048KB(I+D) on chip  
 L3 Cache: N/A  
 Other Cache: N/A  
 Memory: 4x512MB (dual-ranked) ECC DDR2-400 SDRAM  
 Disk Subsystem: 1 x 120GB 7200RPM SATA  
 Other Hardware: None

### Software

Operating System: Windows 2003 Server, Standard Edition  
 Compiler: Intel C/C++ Compiler 8.1 (20041019Z)  
 Intel Fortran Compiler 8.1 (20041019Z)  
 Microsoft Visual Studio .NET 2003(7.1.3088)  
 File System: NTFS  
 System State: Default

## Notes/Tuning Information

### GENERAL

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

### PORTABILITY

178.galgel: -FI /F32000000  
 191.fma3d: Approved src.alt windowsdp

### BASE TUNING

C/F77/F90: -fast -QxP -Qansi\_alias +FDO

### PEAK TUNING

168.wupwise: basepeak=yes  
 171.swim: basepeak=yes  
 172.mgrid: basepeak=yes  
 173.applu: -fast -QxP -Qansi\_alias -Qscalar\_rep- -Qauto +FDO  
 177.mesa: basepeak=yes  
 178.galgel: basepeak=yes  
 179.art: basepeak=yes  
 183.quake: -fast -QxP -Qansi\_alias -Oa -Qrcd +FDO



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## Notes/Tuning Information (Continued)

```
187.facerec: -fast -QxP -Qunroll11 -Qscalar_rep- +FDO
188.ammP: -Oa -QxP
189.lucas: -fast -QxP
191.fma3d: basepeak=yes
200.sixtrack: -QxP -Qipo +FDO
301.apsi: basepeak=yes
```