



# CFP2000 Result

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**Dell**  
**PowerEdge 2850 (3.6GHz, Intel Xeon)**

SPECfp\_rate2000 = 24.9  
SPECfp\_rate\_base2000 = 24.8

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	79.1	46.9	2	79.1	46.9
171.swim	2	280	25.7	2	280	25.7
172.mgrid	2	185	22.6	2	185	22.6
173.applu	2	241	20.2	2	239	20.4
177.mesa	2	89.3	36.4	2	89.3	36.4
178.galgel	2	191	35.3	2	191	35.3
179.art	2	444	13.6	2	425	14.2
183.quake	2	118	25.5	2	118	25.5
187.facerec	2	132	33.5	2	135	32.6
188.amp	2	248	20.6	2	248	20.6
189.lucas	2	185	25.1	2	184	25.2
191.fma3d	2	200	24.4	2	200	24.4
200.sixtrack	2	171	14.9	2	171	14.9
301.apsi	2	275	21.9	2	275	21.9

### Hardware

CPU: Intel Xeon (3.6GHz, 1MB L2, 800MHz bus)  
 CPU MHz: 3600  
 FPU: Integrated  
 CPU(s) enabled: 2 cores, 2 chips, 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)

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