



# CFP2000 Result

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**Dell**  
PowerEdge 2650 (3.06 GHz Xeon, 1MB L3)

SPECfp2000 = **1195**  
SPECfp\_base2000 = **1183**

SPEC license #: 55 Tested by: Dell, Round Rock, TX Test date: Oct-2003 Hardware Avail: Jul-2003 Software Avail: Apr-2003

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	108	1488	108	1480	
171.swim	3100	172	1800	173	1797	
172.mgrid	1800	150	1201	150	1203	
173.applu	2100	183	1145	183	1147	
177.mesa	1400	112	1254	110	1270	
178.galgel	2900	154	1883	154	1885	
179.art	2600	287	905	281	924	
183.quake	1300	108	1207	102	1274	
187.facerec	1900	131	1455	127	1491	
188.amp	2200	274	802	273	805	
189.lucas	2000	138	1452	137	1463	
191.fma3d	2100	181	1162	181	1162	
200.sixtrack	1100	196	562	192	574	
301.apsi	2600	261	995	261	995	

### Hardware

CPU: Intel Pentium Xeon (533 MHz system bus)  
CPU MHz: 3066  
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 + 8KB(D) on chip  
Secondary Cache: 512KB(I+D) on chip  
L3 Cache: 1024KB(I+D) on chip  
Other Cache: N/A  
Memory: 4 X 512MB DDR266  
Disk Subsystem: 1 x 17GB Ultra3 Seagate SCSI  
Other Hardware:

### Software

Operating System: Windows 2000 Server (SP2)  
Compiler: Intel C++ Compiler 7.1 (20030402Z)  
Intel Fortran Compiler 7.1 (20030402Z)  
Microsoft Visual Studio .NET (7.0.9466)  
File System: NTFS  
System State: Default

## Notes/Tuning Information

### PORTABILITY

178.galgel: -FI /F32000000

### FEEDBACK DIRECTED OPTIMIZATION

FDO: PASS1= -Qprof\_gen PASS2=-Qprof\_use

### BASE TUNING

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

### PEAK TUNING

168.wupwise: -Qipo -QxW -O3 +FDO

171.swim: -Qipo -QxW -O3 +FDO

172.mgrid: -Qipo -QaxW -O3 +FDO

173.applu: -Qipo -QxW -O3 -Qscalar\_rep- -Qauto +FDO

177.mesa: PASS1= -Qprof\_gen PASS2= -Qipo -Qprof\_use -QxW -O3 -Oa

178.galgel: -Qipo -QxW -O3 +FDO

179.art: -Oa -Qipo -Qunroll4 -Zp4

183.quake: -QxW -Oa -Qrcd -Qipo +FDO

187.facerec: -O3 -QaxW -Qipo -Qunroll11 -Qscalar\_rep- +FDO

188.amp: -Oa -QxW



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## Notes/Tuning Information (Continued)

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189.lucas: -Qipo -QaxW
191.fma3d: basepeak=yes
200.sixtrack: -Qipo -QxW +FDO
301.apsi: -Qipo -QxW -O3 +FDO
ONESTEP=YES is set for all benchmarks
Hyper-Threading Technology disabled in BIOS
```