



# CFP2000 Result

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**Dell**  
**PowerEdge 6600 (3.0 GHz Xeon MP)**

SPECfp2000 = **1283**

SPECfp\_base2000 = **1270**

SPEC license #: 55 Tested by: Dell, Round Rock, TX Test date: Dec-2003 Hardware Avail: Jan-2004 Software Avail: Apr-2003

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	120	1339	119	1342	
171.swim	3100	230	1350	230	1351	
172.mgrid	1800	170	1060	169	1062	
173.applu	2100	232	906	231	909	
177.mesa	1400	115	1213	114	1228	
178.galgel	2900	94.9	3055	95.0	3054	
179.art	2600	83.8	3102	82.8	3139	
183.quake	1300	120	1081	114	1139	
187.facerec	1900	136	1393	132	1435	
188.amp	2200	160	1373	160	1377	
189.lucas	2000	167	1199	165	1209	
191.fma3d	2100	213	987	213	987	
200.sixtrack	1100	196	562	193	570	
301.apsi	2600	252	1033	252	1033	

### Hardware

CPU: Intel Xeon MP (400 MHz system bus)  
CPU MHz: 3000  
FPU: Integrated  
CPU(s) enabled: 1 core, 1 chip, 1 core/chip (Hyper-Threading Technology disabled)  
CPU(s) orderable: 1,2,4  
Parallel: No  
Primary Cache: 12K(I) micro-ops + 8KB(D) on chip  
Secondary Cache: 512KB(I+D) on chip  
L3 Cache: 4096KB(I+D) on chip  
Other Cache: N/A  
Memory: 4 x 1024MB DDR200  
Disk Subsystem: 1 x 36GB SEAGATE SCSI  
Other Hardware:

### Software

Operating System: Windows 2000 Advanced 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)

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