



# CFP2000 Result

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Dell  
PowerEdge 1750 (3.2 GHz Xeon, 1MB L3)

SPECfp\_rate2000 = 13.8  
SPECfp\_rate\_base2000 = 13.7

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	1	107	17.3	1	107	17.3
171.swim	1	176	20.4	1	176	20.4
172.mgrid	1	148	14.1	1	148	14.1
173.applu	1	185	13.1	1	185	13.2
177.mesa	1	108	15.0	1	107	15.2
178.galgel	1	157	21.5	1	156	21.5
179.art	1	295	10.2	1	289	10.5
183.quake	1	111	13.6	1	105	14.4
187.facerec	1	131	16.8	1	128	17.3
188.amp	1	277	9.22	1	276	9.24
189.lucas	1	139	16.7	1	139	16.7
191.fma3d	1	180	13.5	1	180	13.5
200.sixtrack	1	189	6.74	1	186	6.86
301.apsi	1	259	11.6	1	259	11.7

### Hardware

CPU: Intel Pentium Xeon (533 MHz system bus)  
CPU MHz: 3200  
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

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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