



CFP2000 Result

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Dell
PowerEdge 2650 (3.2 GHz Xeon, 1MB L3)

SPECfp_rate2000 = 14.1
SPECfp_rate_base2000 = 14.0

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	
24	21	18	15	12	9	6	3	168.wupwise	1	104	17.8	1	104	17.8
.....							171.swim	1	172	20.9	1	172	20.9	
.....							172.mgrid	1	146	14.3	1	145	14.4	
.....							173.applu	1	181	13.5	1	181	13.5	
.....							177.mesa	1	107	15.1	1	106	15.3	
.....							178.galgel	1	152	22.2	1	152	22.2	
.....							179.art	1	287	10.5	1	281	10.7	
.....							183.quake	1	107	14.1	1	101	14.9	
.....							187.facerec	1	128	17.3	1	124	17.7	
.....							188.amp	1	269	9.49	1	268	9.54	
.....							189.lucas	1	136	17.1	1	135	17.2	
.....							191.fma3d	1	176	13.8	1	176	13.8	
.....							200.sixtrack	1	188	6.79	1	184	6.92	
.....							301.apsi	1	255	11.8	1	255	11.8	

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