



CFP2000 Result

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

SPECfp2000 = 1220
SPECfp_base2000 = 1207

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	104	1534	104	1532	
171.swim	3100	172	1803	172	1803	
172.mgrid	1800	146	1236	145	1238	
173.applu	2100	181	1160	181	1163	
177.mesa	1400	107	1303	106	1321	
178.galgel	2900	152	1910	152	1910	
179.art	2600	287	905	281	926	
183.quake	1300	107	1218	101	1287	
187.facerec	1900	128	1489	124	1527	
188.amp	2200	269	818	268	822	
189.lucas	2000	136	1472	135	1479	
191.fma3d	2100	176	1191	176	1191	
200.sixtrack	1100	188	585	184	596	
301.apsi	2600	255	1020	255	1021	

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

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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Dell	SPECfp2000 =	1220
PowerEdge 2650 (3.2 GHz Xeon, 1MB L3)	SPECfp_base2000 =	1207

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

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
```