



# CFP2000 Result

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Dell  
PowerEdge 2650 (3.06 GHz Xeon)

SPECfp\_rate2000 = 11.6  
SPECfp\_rate\_base2000 = 11.6

SPEC license #: 55 | Tested by: Dell, Round Rock, TX | Test date: Mar-2003 | Hardware Avail: Jun-2003 | Software Avail: Jun-2002

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	1	120	15.4	1	116	16.1
171.swim	1	200	18.0	1	200	18.0
172.mgrid	1	192	10.9	1	191	10.9
173.applu	1	206	11.8	1	203	12.0
177.mesa	1	120	13.6	1	118	13.7
178.galgel	1	207	16.3	1	207	16.3
179.art	1	402	7.49	1	402	7.51
183.quake	1	115	13.1	1	116	13.0
187.facerec	1	152	14.5	1	153	14.4
188.amp	1	380	6.72	1	379	6.74
189.lucas	1	150	15.5	1	147	15.8
191.fma3d	1	205	11.9	1	205	11.9
200.sixtrack	1	196	6.50	1	194	6.58
301.apsi	1	359	8.40	1	357	8.45

### Hardware

CPU: Intel 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: N/A  
 Other Cache: N/A  
 Memory: 4 x 512MB DDR266 CL 2.5  
 Disk Subsystem: 1 x 18GB Seagate Ultra U320 SCSI  
 Other Hardware:

### Software

Operating System: Windows 2000 Server (Build 2195 SP3)  
 Compiler: Intel C++ and Fortran Compiler 6.0 (020423Z)  
 Microsoft Visual Studio .NET (7.0.9466)  
 MicroQuill SmartHeap Library 6.01  
 File System: NTFS  
 System State: Hyper-Threading Technology disabled in BIOS

## 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 +FDO  
 171.swim: -Qipo -QxW -O3 +FDO  
 172.mgrid: -Qipo -QaxW -O3 +FDO  
 173.applu: -Qipo -QxW -O3 -Qscalar\_rep- +FDO  
 177.mesa: -Qipo -QxW -O3 -Oa +FDO  
 178.galgel: -Qipo -QxW -O3 +FDO  
 179.art: -Qipo -QxW -O3 -Oa +FDO  
 183.quake: -Qipo -QxW -O3 -Oa +FDO shlW32M.lib  
 187.facerec: -Qipo -QxW -O3 +FDO  
 188.amp: -Qipo -QxW -O3 -Oa +FDO



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## Notes/Tuning Information (Continued)

189.lucas: -Qipo -QaxW  
191.fma3d: -Qipo -QxW -O3 +FDO  
200.sixtrack: -Qipo -QxW +FDO  
301.apsi: -Qipo -QxW +FDO  
EXTRA LIBRARIES  
shlw32M.lib: MicroQuill SmartHeap Library 6.01  
www.microquill.com