



# CFP2000 Result

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**Dell**  
Precision Workstation 670 (3.8 GHz, Intel Xeon)

SPECfp2000 = **1920**  
SPECfp\_base2000 = **1881**

SPEC license #: 55 Tested by: Dell Inc., Round Rock, TX Test date: Sep-2005 Hardware Avail: Oct-2005 Software Avail: Aug-2005

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	59.1	2709	59.1	2709	
171.swim	3100	132	2348	132	2348	
172.mgrid	1800	115	1568	115	1568	
173.applu	2100	133	1576	133	1583	
177.mesa	1400	85.2	1643	85.2	1643	
178.galgel	2900	77.6	3737	77.6	3737	
179.art	2600	62.0	4192	59.6	4364	
183.quake	1300	58.0	2242	46.0	2826	
187.facerec	1900	98.7	1926	98.6	1927	
188.amp	2200	175	1257	174	1267	
189.lucas	2000	99.3	2014	99.1	2018	
191.fma3d	2100	138	1524	138	1524	
200.sixtrack	1100	147	747	147	747	
301.apsi	2600	189	1375	189	1375	

### Hardware

CPU: Intel Xeon (800 MHz system bus)  
CPU MHz: 3800  
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 + 16KB(D) on chip  
Secondary Cache: 2048KB(I+D) on chip  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 2x1024MB, 4x512MB 400MHz ECC CL3 DDR2 SDRAM  
Disk Subsystem: 1x160GB SATA 7200 RPM  
Other Hardware:

### Software

Operating System: Windows XP Professional SP2  
Compiler: Intel C/C++ Compiler 9.0 for IA32(20050809Z)  
Intel Fortran Compiler 9.0 for IA32(20050809Z)  
Microsoft Visual Studio .NET 2003(7.1.3088)  
MicroQuill SmartHeap Library 7.1  
File System: NTFS  
System State: Default

## Notes/Tuning Information

### GENERAL

ONESTEP=yes  
+FDO: PASS1=-Qprof\_gen PASS2=-Qprof\_use

### PORTABILITY

178.galgel: -FI /F32000000

### BASE TUNING

C/F77/F90: -fast -Qansi\_alias +FDO

### PEAK TUNING

168.wupwise: basepeak=yes  
171.swim: basepeak=yes  
172.mgrid: basepeak=yes  
173.applu: -fast -Qansi\_alias -Qscalar\_rep- -Qauto +FDO  
177.mesa: basepeak=yes  
178.galgel: basepeak=yes  
179.art: -fast -Qansi\_alias +FDO shlW32M.lib  
183.quake: -fast -Qansi\_alias -Oa -Qrcd +FDO shlW32M.lib  
187.facerec: -fast -Qunroll1 -Qscalar\_rep- +FDO



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## Notes/Tuning Information (Continued)

188.ammf: -fast -Oa  
189.lucas: -fast +FDO  
191.fma3d: basepeak=yes  
200.sixtrack: -fast +FDO  
301.apsi: basepeak=yes  
NOTES  
1 CPU disabled in the BIOS.