



# CFP2000 Result

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## Dell

Precision Workstation 690 (Intel® Xeon® processor 5160, 3.0 GHz)

SPECfp\_rate2000 = --

SPECfp\_rate\_base2000 = 72.9

SPEC license #: 55 | Tested by: Dell, Round Rock, TX | Test date: Apr-2006 | Hardware Avail: Jul-2006 | Software Avail: May-2006

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	4	79.8	93.0			
171.swim	4	316	45.5			
172.mgrid	4	234	35.6			
173.applu	4	213	45.8			
177.mesa	4	49.4	131			
178.galgel	4	58.9	228			
179.art	4	60.9	198			
183.earthquake	4	108	56.0			
187.facerec	4	92.2	95.6			
188.amp	4	154	66.2			
189.lucas	4	190	48.8			
191.fma3d	4	181	53.9			
200.sixtrack	4	94.9	53.8			
301.apsi	4	208	58.0			

### Hardware

CPU: Intel® Xeon® processor 5160 (1333 MHz system bus)  
CPU MHz: 3000  
FPU: Integrated  
CPU(s) enabled: 4 cores, 2 chips, 2 cores/chip  
CPU(s) orderable: 1,2  
Parallel: No  
Primary Cache: 32KB(I) + 32KB(D) on chip, per core  
Secondary Cache: 4096KB(I+D) on chip, shared  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 8 x 512MB 533MHz ECC CL4 DDR2 FB-DIMM  
Disk Subsystem: 1 x 73GB SAS 10K RPM  
Other Hardware:

### Software

Operating System: Windows XP Professional SP2  
Compiler: Intel C/C++ Compiler 9.1 for IA32(20060323Z)  
Intel Fortran Compiler 9.1 for IA32(20060323Z)  
Microsoft Visual Studio .NET 2003(7.1.3088)  
MicroQuill SmartHeap Library 8.0  
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

FORTRAN: -fast -Qansi\_alias +FDO  
177.mesa: -fast +FDO shlw32M.lib  
179.art: -fast +FDO shlw32M.lib  
183.earthquake: -fast +FDO shlw32M.lib  
188.amp: -fast +FDO shlw32M.lib