



# CFP2000 Result

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## Dell

Precision Workstation 690 (Intel Xeon processor 5140, 2.33 GHz)

SPECfp\_rate2000 = 73.4

SPECfp\_rate\_base2000 = 73.4

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	4	73.0	102	4	73.0	102
171.swim	4	272	52.9	4	272	52.9
172.mgrid	4	199	41.9	4	199	41.9
173.applu	4	181	53.8	4	181	53.8
177.mesa	4	65.3	99.6	4	65.3	99.6
178.galgel	4	65.6	205	4	65.6	205
179.art	4	56.2	215	4	56.2	215
183.equake	4	92.8	65.0	4	92.8	65.0
187.facerec	4	95.7	92.1	4	95.7	92.1
188.amp	4	171	59.8	4	171	59.8
189.lucas	4	162	57.1	4	162	57.1
191.fma3d	4	183	53.2	4	183	53.2
200.sixtrack	4	121	42.4	4	121	42.4
301.apsi	4	225	53.7	4	225	53.7

### Hardware

CPU: Intel Xeon processor 5140 (1333 MHz system bus)  
CPU MHz: 2333  
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  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 8 x 1024MB 667MHz ECC CL5 FB-DIMM DDR2 SDRAM  
Disk Subsystem: 1 x 73GB SAS 10K RPM  
Other Hardware:

### Software

Operating System: Windows XP Professional x64 Edition  
Compiler: Intel C++ Compiler 9.1 for IA32(20060519Z)  
Intel Fortran Compiler 9.1 for IA32(20060519Z)  
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.equake: -fast +FDO shlw32M.lib  
188.amp: -fast +FDO shlw32M.lib

### PEAK TUNING

basepeak=yes