



CFP2000 Result

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Dell

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

SPECfp2000 = 2673

SPECfp_base2000 = 2668

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	43.4	3690	43.4	3690	
171.swim	3100	133	2326	133	2326	
172.mgrid	1800	106	1703	106	1703	
173.applu	2100	105	2000	107	1968	
177.mesa	1400	47.8	2931	47.8	2931	
178.galgel	2900	40.6	7136	40.6	7136	
179.art	2600	24.8	10505	24.8	10505	
183.quake	1300	46.8	2775	45.4	2865	
187.facerec	1900	64.8	2934	64.7	2936	
188.amp	2200	106	2067	105	2086	
189.lucas	2000	83.0	2409	83.0	2409	
191.fma3d	2100	109	1935	109	1935	
200.sixtrack	1100	91.7	1200	91.6	1201	
301.apsi	2600	170	1531	170	1531	

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: 4 x 1024MB 667MHz ECC ECC CL5 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.quake: -fast +FDO shlW32M.lib
 188.amp: -fast +FDO shlW32M.lib

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



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Notes/Tuning Information (Continued)

```
178.galgel: basepeak=yes
179.art: basepeak=yes
183.quake: -fast -Oa -Qrcd +FDO shlW32M.lib
187.facerec: -fast -Qunroll11 -Qscalar_rep- +FDO
188.amp: -fast -Oa shlW32M.lib
189.lucas: basepeak=yes
191.fma3d: basepeak=yes
200.sixtrack: -fast +FDO
301.apsi: basepeak=yes
```