



CFP2000 Result

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Dell

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

SPECfp2000 = 2778

SPECfp_base2000 = 2775

SPEC license #: 55 Tested by: Dell, Inc. Test date: May-2006 Hardware Avail: Jul-2006 Software Avail: May-2006

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	41.4	3863	41.4	3863
171.swim	3100	121	2552	121	2552
172.mgrid	1800	105	1720	105	1720
173.applu	2100	94.3	2228	94.3	2228
177.mesa	1400	47.8	2926	47.8	2926
178.galgel	2900	40.7	7127	40.7	7127
179.art	2600	24.7	10512	24.7	10512
183.quake	1300	44.1	2950	44.1	2949
187.facerec	1900	61.8	3074	62.0	3066
188.amp	2200	107	2052	105	2093
189.lucas	2000	75.3	2657	75.3	2657
191.fma3d	2100	105	2002	105	2002
200.sixtrack	1100	91.7	1200	91.7	1200
301.apsi	2600	160	1629	160	1629

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
 L3 Cache: N/A
 Other Cache: N/A
 Memory: 8 x 1024MB 667MHz CL5 DDR2 FB-DIMM
 Disk Subsystem: 1 x 73 GB SAS 10K RPM
 Other Hardware:

Software

Operating System: Windows XP Professional x64 Edition SP1
 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: basepeak=yes
 177.mesa: basepeak=yes



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Notes/Tuning Information (Continued)

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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
```