



CFP2000 Result

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Dell

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

SPECfp_rate2000 = 81.3

SPECfp_rate_base2000 = 81.2

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	4	68.0	109	4	68.0	109
171.swim	4	271	53.0	4	271	53.0
172.mgrid	4	204	40.9	4	204	40.9
173.applu	4	177	55.1	4	177	55.1
177.mesa	4	48.2	135	4	48.2	135
178.galgel	4	55.0	245	4	55.0	245
179.art	4	52.6	229	4	52.6	229
183.equake	4	91.8	65.7	4	91.8	65.7
187.facerec	4	82.9	106	4	83.0	106
188.amp	4	147	69.5	4	143	71.2
189.lucas	4	161	57.6	4	161	57.6
191.fma3d	4	165	59.0	4	165	59.0
200.sixtrack	4	94.2	54.2	4	94.3	54.2
301.apsi	4	196	61.5	4	196	61.5

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.equake: -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
```