



CFP2000 Result

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Dell

Precision Workstation 690 (Intel® Xeon® processor 5080, 3.73 GHz)

SPECfp2000 = 1932

SPECfp_base2000 = 1931

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	47.3	3383	47.3	3383	
171.swim	3100	142	2183	142	2183	
172.mgrid	1800	120	1502	120	1502	
173.applu	2100	125	1685	125	1685	
177.mesa	1400	85.2	1644	85.2	1644	
178.galgel	2900	76.3	3803	76.3	3803	
179.art	2600	54.5	4771	54.5	4771	
183.quake	1300	49.2	2640	49.2	2645	
187.facerec	1900	93.5	2033	93.4	2034	
188.amp	2200	185	1188	185	1188	
189.lucas	2000	102	1958	102	1958	
191.fma3d	2100	138	1521	138	1521	
200.sixtrack	1100	149	737	149	737	
301.apsi	2600	202	1286	202	1286	

Hardware

CPU: Intel® Xeon® processor 5080 (1066 MHz system bus)
 CPU MHz: 3733
 FPU: Integrated
 CPU(s) enabled: 4 cores, 2 chips, 2 cores/chip (Hyper-Threading Technology disabled)
 CPU(s) orderable: 1,2
 Parallel: No
 Primary Cache: 12K(I) micro-ops + 16KB(D) on chip, per core
 Secondary Cache: 2048KB(I+D) on chip, per core
 L3 Cache: N/A
 Other Cache: N/A
 Memory: 4 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.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: basepeak=yes
189.lucas: basepeak=yes
191.fma3d: basepeak=yes
200.sixtrack: -fast +FDO
301.apsi: basepeak=yes
```