Dell Inc.

Dell Precision 390 (Intel X6800, 2.93 GHz)

SPECint\_rate\_2006 = 30.6
SPECint\_rate\_base\_2006 = 29.7

CPU2006 license: 55
Test sponsor: Dell Inc.
Tested by: Dell Inc.

Hardware
CPU Name: Intel Core 2 Extreme X6800
CPU Characteristics: 1066 MHz System Bus
CPU MHz: 2933
FPU: Integrated
CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip
CPU(s) orderable: 1 chip
Primary Cache: 32 KB I + 32 KB D on chip per core
Secondary Cache: 4 MB I+D on chip per chip
L3 Cache: None
Other Cache: None
Memory: 4 GB (4x1GB 667 MHz ECC CL5 DDR2 SDRAM)
Disk Subsystem: 1 x 80 GB SATA 7200 RPM
Other Hardware: None

Software
Operating System: Windows XP Professional SP2
Compiler: Intel C++ Compiler 9.1 for IA32 (20061103Z)
Microsoft Visual Studio 2005
MicroQuill SmartHeap Library 8.0
Auto Parallel: No
File System: NTFS
System State: Default
Base Pointers: 32-bit
Peak Pointers: 32-bit
Other Software: None
## SPEC CINT2006 Result

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**Dell Precision 390 (Intel X6800, 2.93 GHz)**  
\[\text{SPECint}_\text{rate2006} = 30.6\]  
\[\text{SPECint}_\text{rate\_base2006} = 29.7\]

**CPU2006 license:** 55  
**Test date:** Dec-2006  
**Test sponsor:** Dell Inc.  
**Tested by:** Dell Inc.  
**Hardware Availability:** Jul-2006  
**Software Availability:** Nov-2006

### Results Table

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</tbody>
</table>

Results appear in the order in which they were run. Bold underlined text indicates a median measurement.

### General Notes

32-bit binaries were built on Windows XP Professional x64 Edition.

### Base Compiler Invocation

**C benchmarks:**  
icl -Qc99

**C++ benchmarks:**  
icl

### Base Portability Flags

403.gcc: -DSPEC_CPU_WIN32  
464.h264ref: -DSPEC_CPU_NO_INTTYPES -DWIN32  
483.xalancbmk: -Qoption,cpp,--no_wchar_t_keyword

### Base Optimization Flags

**C benchmarks:**  
-fast /F512000000 shlW32M.lib -link /FORCE:MULTIPLE

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Dell Precision 390 (Intel X6800, 2.93 GHz)

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### Base Optimization Flags (Continued)

C++ benchmarks:
- `-fast -Qcxx_features /F512000000 shlw32m.lib`
- `-link /FORCE:MULTIPLE`

### Base Other Flags

C benchmarks:

403.gcc: -Dalloca=alloca

### Peak Compiler Invocation

C benchmarks:
- `icl -Qc99`

C++ benchmarks:
- `icl`

### Peak Portability Flags

403.gcc: -DSPEC_CPU_WIN32
464.h264ref: -DSPEC_CPU_NO_INTTYPES -DWIN32
483.xalancbmk: -Qoption,cpp,--no_wchar_t_keyword

### Peak Optimization Flags

C benchmarks:

400.perlbench: ONESTEP -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast
/F512000000 shlw32m.lib -link /FORCE:MULTIPLE

401.bzip2: basepeak = yes
403.gcc: Same as 400.perlbench
429.mcf: ONESTEP -fast /F512000000 shlw32m.lib
-link /FORCE:MULTIPLE

445.gobmk: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast /F512000000
shlw32m.lib -link /FORCE:MULTIPLE

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Standard Performance Evaluation Corporation
info@spec.org
http://www.spec.org/
Dell Inc.

Dell Precision 390 (Intel X6800, 2.93 GHz)

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Peak Optimization Flags (Continued)

456.hmmer: basepeak = yes
458.sjeng: Same as 400.perlbench
462.libquantum: Same as 400.perlbench
464.h264ref: Same as 400.perlbench

C++ benchmarks:

471.omnetpp: ONESTEP -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast
-Qcxx_features /F512000000 sh1W32M.lib
- link /FORCE:MULTIPLE

473.astar: Same as 471.omnetpp

483.xalancbmk: ONESTEP -fast -Qcxx_features /F512000000 sh1W32M.lib
- link /FORCE:MULTIPLE

Peak Other Flags

C benchmarks:

403.gcc: -Dalloca=_alloca

The flags file that was used to format this result can be browsed at

You can also download the XML flags source by saving the following link:
http://www.spec.org/cpu2006/flags/dell.cpu2006.ic91.flags.20090715.xml

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For other inquiries, please contact webmaster@spec.org.

Tested with SPEC CPU2006 v1.0.