SPEC® CFP2006 Result
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Dell Inc.

Dell Precision 380 (3.73 GHz, Pentium Exteme Edition 965)

$SPECfp^®2006 =$ --

$SPECfp\_base2006 =$ 12.4
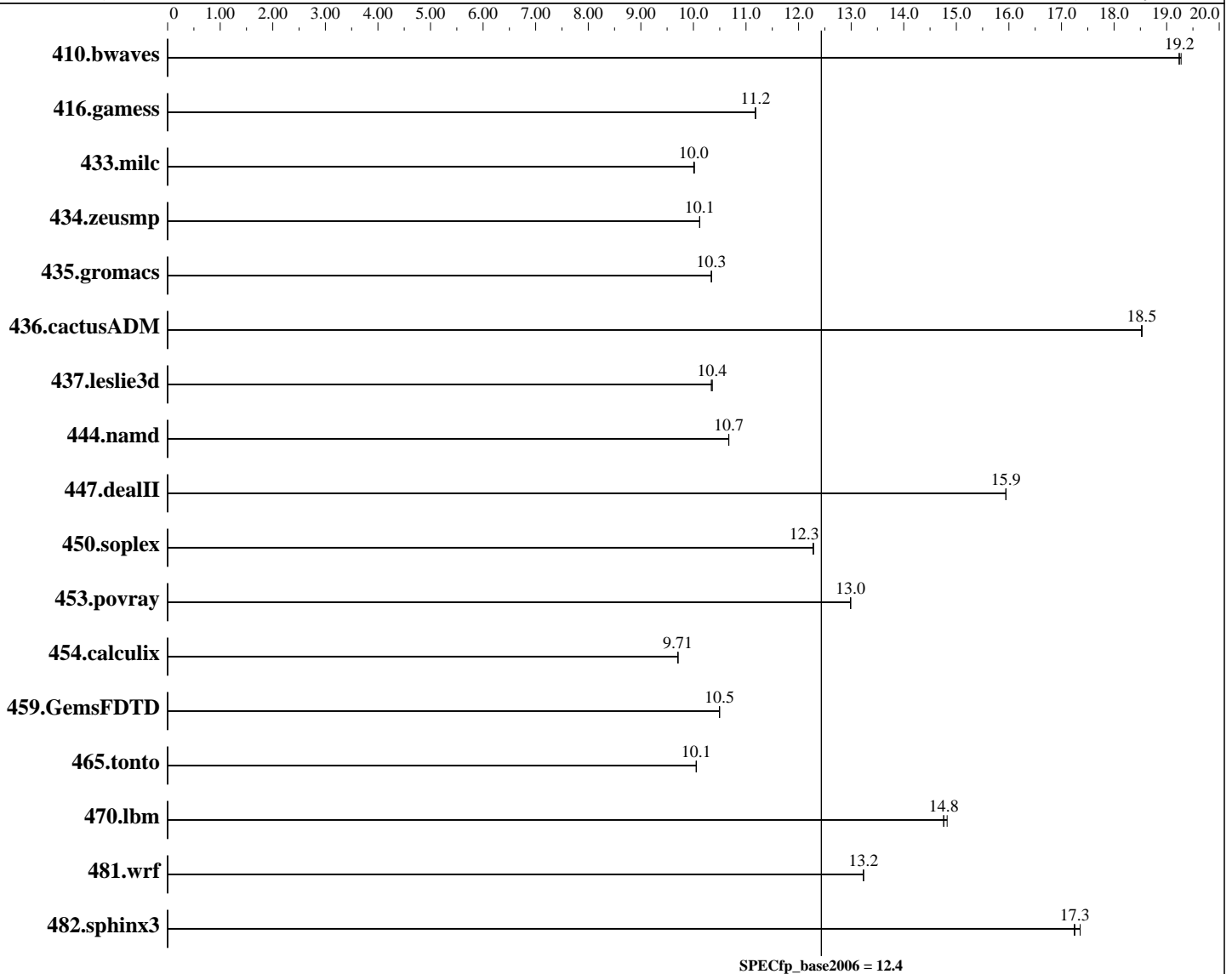
CPU2006 license: 55	**Test date:** Apr-2006
Test sponsor: Dell Inc.	**Hardware Availability:** May-2006
Tested by: Dell Inc.	**Software Availability:** May-2006

Benchmark	Result
410.bwaves	19.2
416.gamess	11.2
433.milc	10.0
434.zeusmp	10.1
435.gromacs	10.3
436.cactusADM	18.5
437.leslie3d	10.4
444.namd	10.7
447.dealII	15.9
450.soplex	12.3
453.povray	13.0
454.calculix	9.71
459.GemsFDTD	10.5
465.tonto	10.1
470.lbm	14.8
481.wrf	13.2
482.sphinx3	17.3

SPECfp_base2006 = 12.4

Hardware

CPU Name:	Intel Pentium Extreme Edition 965
CPU Characteristics:	
CPU MHz:	3733
FPU:	Integrated
CPU(s) enabled:	2 cores, 1 chip, 2 cores/chip
CPU(s) orderable:	1 chip
Primary Cache:	12 K micro-ops I + 16 KB D on chip per core
Secondary Cache:	2 MB I+D on chip per core

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Software

Operating System:	Windows XP Professional x64 Edition
Compiler:	Intel C++ Compiler 9.1 for IA32 (20060323Z)
	Intel FORTRAN Compiler 9.1 for IA32 (20060323Z)
	Microsoft Visual Studio .NET 2003
	MicroQuill SmartHeap Library 7.4
Auto Parallel:	No
File System:	NTFS
System State:	Default
Base Pointers:	32-bit

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L3 Cache: None	Peak Pointers: Not Applicable
Other Cache: None	Other Software: None
Memory: 4 GB (4x1 GB 667MHz ECC CL5 DDR2 SDRAM)	
Disk Subsystem: 1 x 80GB SATA 7200 RPM	
Other Hardware: None	

Results Table

Benchmark	Base Seconds	Base Ratio	Base Seconds	Base Ratio	Base Seconds	Base Ratio	Peak Seconds	Peak Ratio	Peak Seconds	Peak Ratio	Peak Seconds	Peak Ratio
410.bwaves	707	19.2	**706**	**19.2**	705	19.3						
416.gamess	1751	11.2	1752	11.2	**1751**	**11.2**						
433.milc	916	10.0	917	10.0	**917**	**10.0**						
434.zeusmp	**899**	**10.1**	899	10.1	899	10.1						
435.gromacs	690	10.3	**690**	**10.3**	690	10.3						
436.cactusADM	**645**	**18.5**	645	18.5	645	18.5						
437.leslie3d	908	10.4	909	10.3	**908**	**10.4**						
444.namd	**752**	**10.7**	752	10.7	751	10.7						
447.dealII	**718**	**15.9**	718	15.9	718	15.9						
450.soplex	**679**	**12.3**	679	12.3	679	12.3						
453.povray	410	13.0	410	13.0	**410**	**13.0**						
454.calculix	**850**	**9.71**	850	9.71	850	9.70						
459.GemsFDTD	**1011**	**10.5**	1011	10.5	1011	10.5						
465.tonto	**979**	**10.1**	979	10.1	979	10.1						
470.lbm	927	14.8	**931**	**14.8**	931	14.8						
481.wrf	844	13.2	**844**	**13.2**	844	13.2						
482.sphinx3	**1130**	**17.3**	1123	17.4	1130	17.2						

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

Base Compiler Invocation

C benchmarks:
```
icl -Qvc7.1 -Qc99
```

C++ benchmarks:
```
icl -Qvc7.1
```

Fortran benchmarks:
```
ifort
```

Benchmarks using both Fortran and C:
```
icl -Qvc7.1 -Qc99 ifort
```

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Test date: Apr-2006
Hardware Availability: May-2006
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Base Portability Flags

```
  436.cactusADM: -Qlowercase /assume:underscore
      444.namd: -TP
      447.dealII: -DDEAL_II_MEMBER_VAR_SPECIALIZATION_BUG
               -DBOOST_NO_INTRINSIC_WCHAR_T
      453.povray: -DSPEC_CPU_WINDOWS_ICL
    454.calculix: -DSPEC_CPU_NOZMODIFIER -Qlowercase
        481.wrf: -DSPEC_CPU_WINDOWS_ICL
```

Base Optimization Flags

C benchmarks:
```
    -fast /F950000000 shlw32m.lib          -link /FORCE:MULTIPLE
```

C++ benchmarks:
```
    -fast -Qcxx_features /F950000000 shlw32m.lib
          -link /FORCE:MULTIPLE
```

Fortran benchmarks:
```
    -fast /F950000000          -link /FORCE:MULTIPLE
```

Benchmarks using both Fortran and C:
```
    -fast /F950000000          -link /FORCE:MULTIPLE
```

The flags file that was used to format this result can be browsed at
http://www.spec.org/cpu2006/flags/Intel-ic91-flags.20090715.00.html

You can also download the XML flags source by saving the following link:
http://www.spec.org/cpu2006/flags/Intel-ic91-flags.20090715.00.xml

For questions about this result, please contact the tester.
For other inquiries, please contact webmaster@spec.org.

Tested with SPEC CPU2006 v90.
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