SPEC® CFP2006 Result

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Dell Inc.

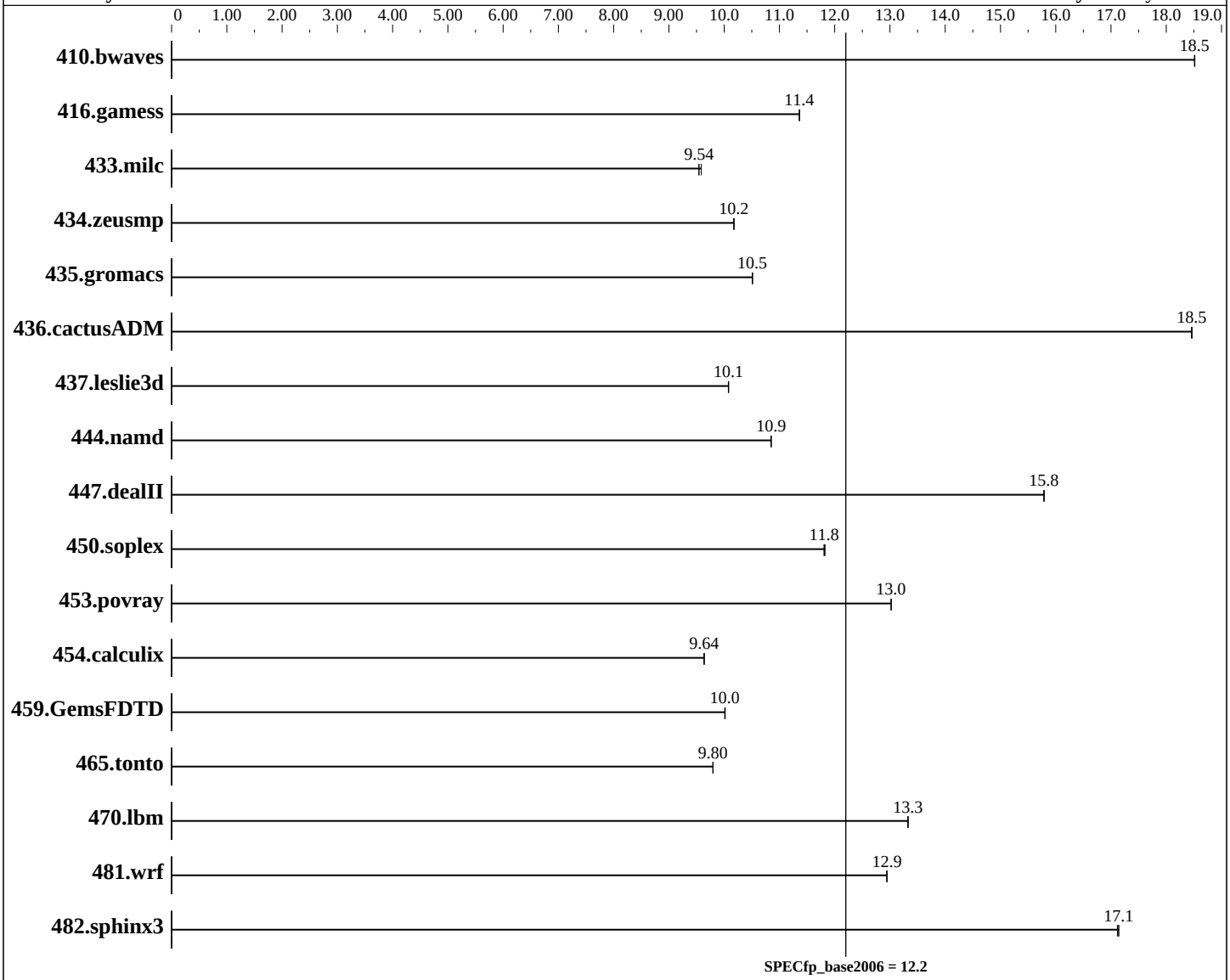
Dell Precision 380 (3.8 GHz, Pentium 4 processor 670)

SPECfp®2006 = --

SPECfp_base2006 = 12.2

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

Test date: Apr-2006
Hardware Availability: Jun-2005
Software Availability: May-2006



Hardware

CPU Name:	Intel Pentium 4 670
CPU Characteristics:	
CPU MHz:	3800
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip
CPU(s) orderable:	1 chip
Primary Cache:	12 K micro-ops I + 16 KB D on chip per chip
Secondary Cache:	2 MB I+D on chip per chip

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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
Other Cache: None
Memory: 2 GB (4x512 MB 533MHz CL4 DDR2 SDRAM)
Disk Subsystem: 1 x 80GB SATA 7200 RPM
Other Hardware: None

Peak Pointers: Not Applicable
Other Software: None

Results Table

Benchmark	Base						Peak					
	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
410.bwaves	734	18.5	**734**	**18.5**	734	18.5						
416.gamess	1724	11.4	1723	11.4	**1724**	**11.4**						
433.milc	**962**	**9.54**	958	9.58	962	9.54						
434.zeusmp	894	10.2	**894**	**10.2**	894	10.2						
435.gromacs	**679**	**10.5**	679	10.5	679	10.5						
436.cactusADM	**647**	**18.5**	647	18.5	647	18.5						
437.leslie3d	932	10.1	**933**	**10.1**	933	10.1						
444.namd	739	10.9	**739**	**10.9**	739	10.8						
447.dealII	725	15.8	724	15.8	**725**	**15.8**						
450.soplex	705	11.8	**706**	**11.8**	706	11.8						
453.povray	**409**	**13.0**	409	13.0	409	13.0						
454.calculix	856	9.64	**856**	**9.64**	856	9.64						
459.GemsFDTD	1059	10.0	1060	10.0	**1060**	**10.0**						
465.tonto	1004	9.80	**1004**	**9.80**	1005	9.80						
470.lbm	1031	13.3	1031	13.3	**1031**	**13.3**						
481.wrf	**863**	**12.9**	863	12.9	863	12.9						
482.sphinx3	**1137**	**17.1**	1139	17.1	1137	17.1						

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
```

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

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

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