SPEC® CFP2006 Result

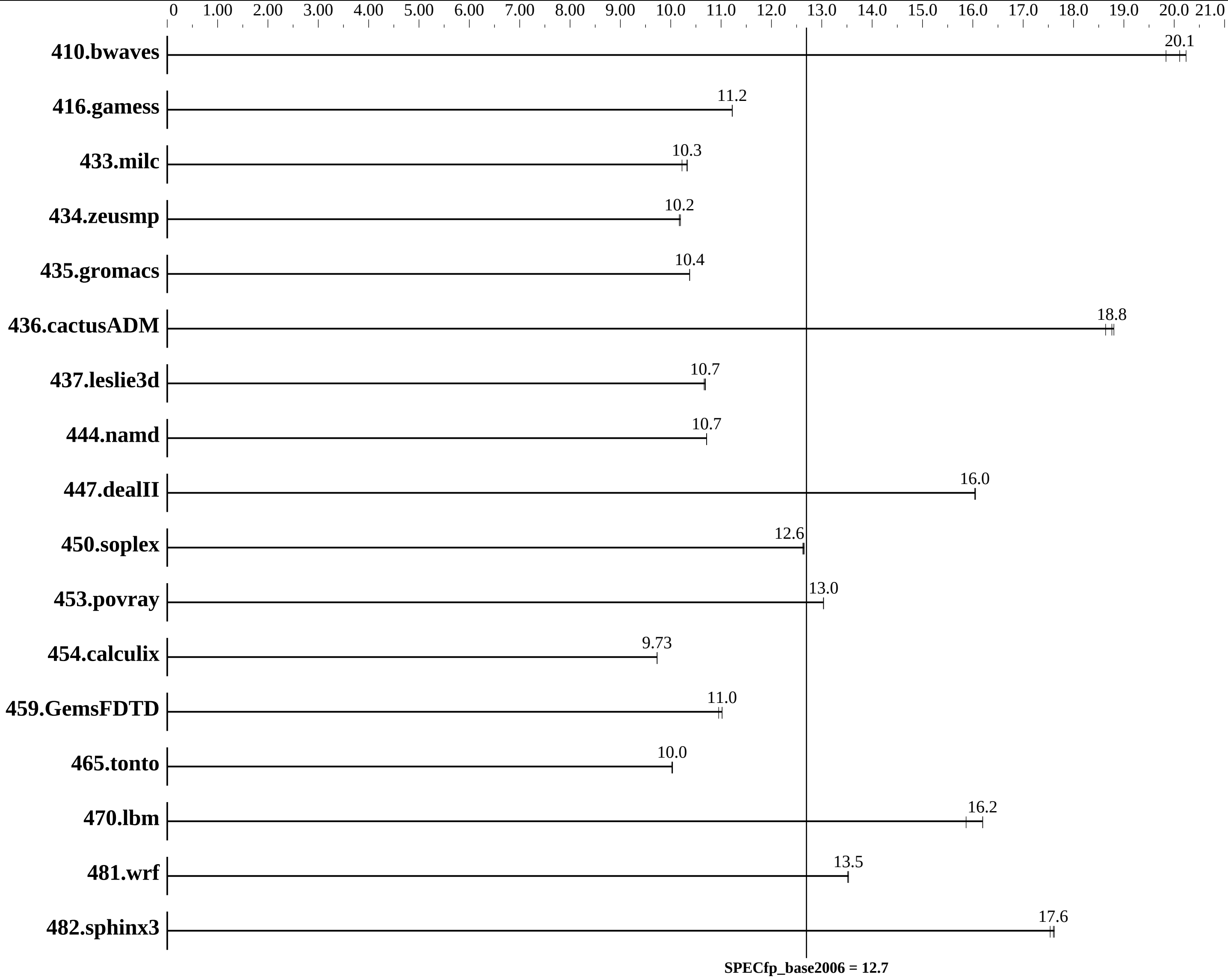
Intel Corporation

Intel D975XBX motherboard (3.73 GHz, Intel Pentium processor Extreme Edition 965)

SPECfp®2006 = --

SPECfp_base2006 = 12.7

CPU2006 license:	13	**Test date:**	Apr-2006
Test sponsor:	Intel Corporation	**Hardware Availability:**	Mar-2006
Tested by:	Intel Corporation	**Software Availability:**	May-2006



Hardware

CPU Name:	Intel Pentium Extreme Edition 965
CPU Characteristics:	3.73 GHz, 1066 MHz bus
CPU MHz:	3733
FPU:	Integrated
CPU(s) enabled:	2 cores, 1 chip, 2 cores/chip, 2 threads/core
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 x64 Professional
Compiler:	Intel C++ Compiler 9.1 for 32 bit apps Build 20060323Z Package ID: W_CC_P_9.1.020 Intel Visual Fortran Compiler 9.1 for 32 bit apps Build 20060323Z Package ID: W_FC_P_9.1.020 Microsoft Visual Studio .Net 2003(for libraries) SmartHeap Library Version 7.4 from http://www.microquill.com/
Auto Parallel:	No

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L3 Cache:	None
Other Cache:	None
Memory:	4 GB (4 1GB Micron DDR2 667 CL5-5-5 DIMMs)
Disk Subsystem:	Maxtor DiamondMax 10 6B300S0 300GB NCQ Serial ATA (7200 RPM, 16MB cache)
Other Hardware:	ATI X1900XTX PCIe graphics card
File System:	NTFS
System State:	Default
Base Pointers:	32-bit
Peak Pointers:	Not Applicable
Other Software:	None

Results Table

	Base						Peak					
Benchmark	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
410.bwaves	685	19.8	672	20.2	**676**	**20.1**						
416.gamess	1745	11.2	1745	11.2	**1745**	**11.2**						
433.milc	898	10.2	**890**	**10.3**	889	10.3						
434.zeusmp	893	10.2	895	10.2	**895**	**10.2**						
435.gromacs	688	10.4	**688**	**10.4**	688	10.4						
436.cactusADM	641	18.6	636	18.8	**637**	**18.8**						
437.leslie3d	881	10.7	**880**	**10.7**	879	10.7						
444.namd	749	10.7	749	10.7	**749**	**10.7**						
447.dealII	713	16.1	**713**	**16.0**	713	16.0						
450.soplex	659	12.7	661	12.6	**660**	**12.6**						
453.povray	408	13.0	408	13.0	**408**	**13.0**						
454.calculix	848	9.73	848	9.73	**848**	**9.73**						
459.GemsFDTD	969	11.0	963	11.0	**963**	**11.0**						
465.tonto	982	10.0	980	10.0	**981**	**10.0**						
470.lbm	866	15.9	**848**	**16.2**	848	16.2						
481.wrf	827	13.5	826	13.5	**826**	**13.5**						
482.sphinx3	**1107**	**17.6**	1106	17.6	1111	17.5						

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

General Notes

```
Tested systems can be used with Shin-G ATX case, Antec NeoPower 480W power supply
Product description located as of 03/2006
http://www.intel.com/products/motherboard/D975XBX/index.htm
The system bus runs at 1066 MHz
```

Base Compiler Invocation

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

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

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Base Compiler Invocation (Continued)

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.html

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

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

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