SPEC® CFP2006 Result

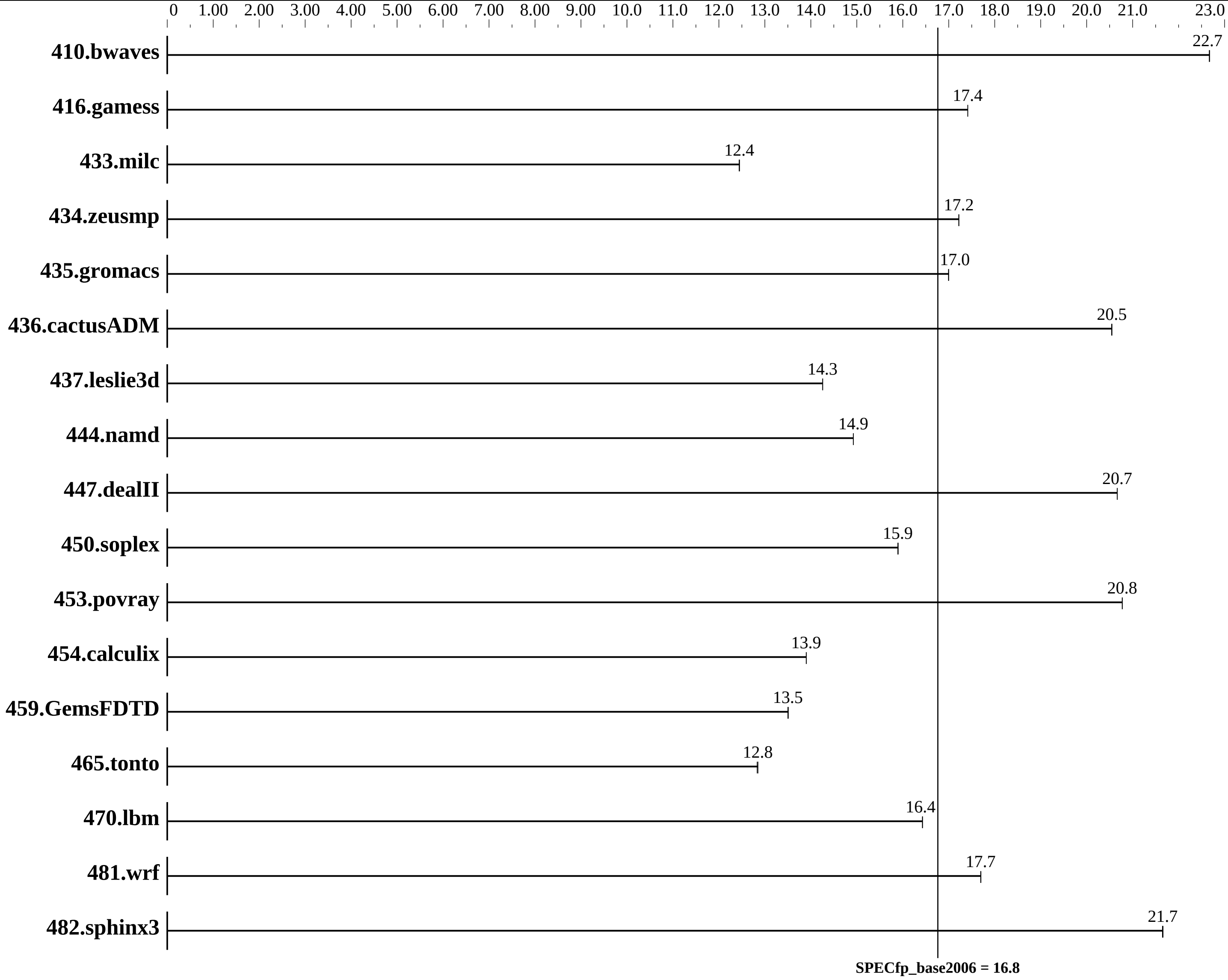
Intel Corporation

Intel DG965WH motherboard
(2.93 GHz, Intel Core 2 Extreme processor X6800)

SPECfp®2006 = Not Run

SPECfp_base2006 = 16.8

CPU2006 license:	13	**Test date:**	Aug-2006
Test sponsor:	Intel Corporation	**Hardware Availability:**	Jul-2006
Tested by:	Intel Corporation	**Software Availability:**	Aug-2006



Hardware

CPU Name:	Intel Core 2 Extreme X6800
CPU Characteristics:	2.93 GHz, 1066 MHz 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

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Software

Operating System:	Windows XP Professional SP2 32-bit
Compiler:	Intel C++ and Fortran Compiler 9.1 for IA32 Build 20060816Z Microsoft Visual Studio .Net 2003 (for libraries) SmartHeap Library Version 8.0 from http://www.microquill.com/
Auto Parallel:	No
File System:	NTFS
System State:	Default

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L3 Cache: None
Other Cache: None
Memory: 2 GB (2 1GB Corsair TWIN2X2048-8500C5 DDR2 1066 CL5-5-5)
Disk Subsystem: Maxtor DiamondMax 10 6B300S0 300GB NCQ Serial ATA (7200 RPM, 16MB cache)
Other Hardware: None

Base Pointers: 32-bit
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	600	22.7	599	22.7	**600**	**22.7**						
416.gamess	1124	17.4	1125	17.4	**1124**	**17.4**						
433.milc	**738**	**12.4**	738	12.4	737	12.5						
434.zeusmp	528	17.2	529	17.2	**528**	**17.2**						
435.gromacs	420	17.0	420	17.0	**420**	**17.0**						
436.cactusADM	581	20.6	582	20.5	**582**	**20.5**						
437.leslie3d	659	14.3	659	14.3	**659**	**14.3**						
444.namd	537	14.9	537	14.9	**537**	**14.9**						
447.dealII	554	20.7	554	20.7	**554**	**20.7**						
450.soplex	524	15.9	**525**	**15.9**	525	15.9						
453.povray	**256**	**20.8**	256	20.8	256	20.8						
454.calculix	**594**	**13.9**	593	13.9	594	13.9						
459.GemsFDTD	**786**	**13.5**	786	13.5	785	13.5						
465.tonto	**766**	**12.8**	767	12.8	766	12.8						
470.lbm	**836**	**16.4**	837	16.4	836	16.4						
481.wrf	**631**	**17.7**	631	17.7	631	17.7						
482.sphinx3	900	21.7	900	21.6	**900**	**21.7**						

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

General Notes

```
Memory timings set manually to DDR2-800 5-5-5-15 in the bios
```

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.20090715.03.html

You can also download the XML flags source by saving the following link:
http://www.spec.org/cpu2006/flags/Intel-ic91-flags.20090715.03.xml

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

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