SPEC® CFP2006 Result

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Intel Corporation

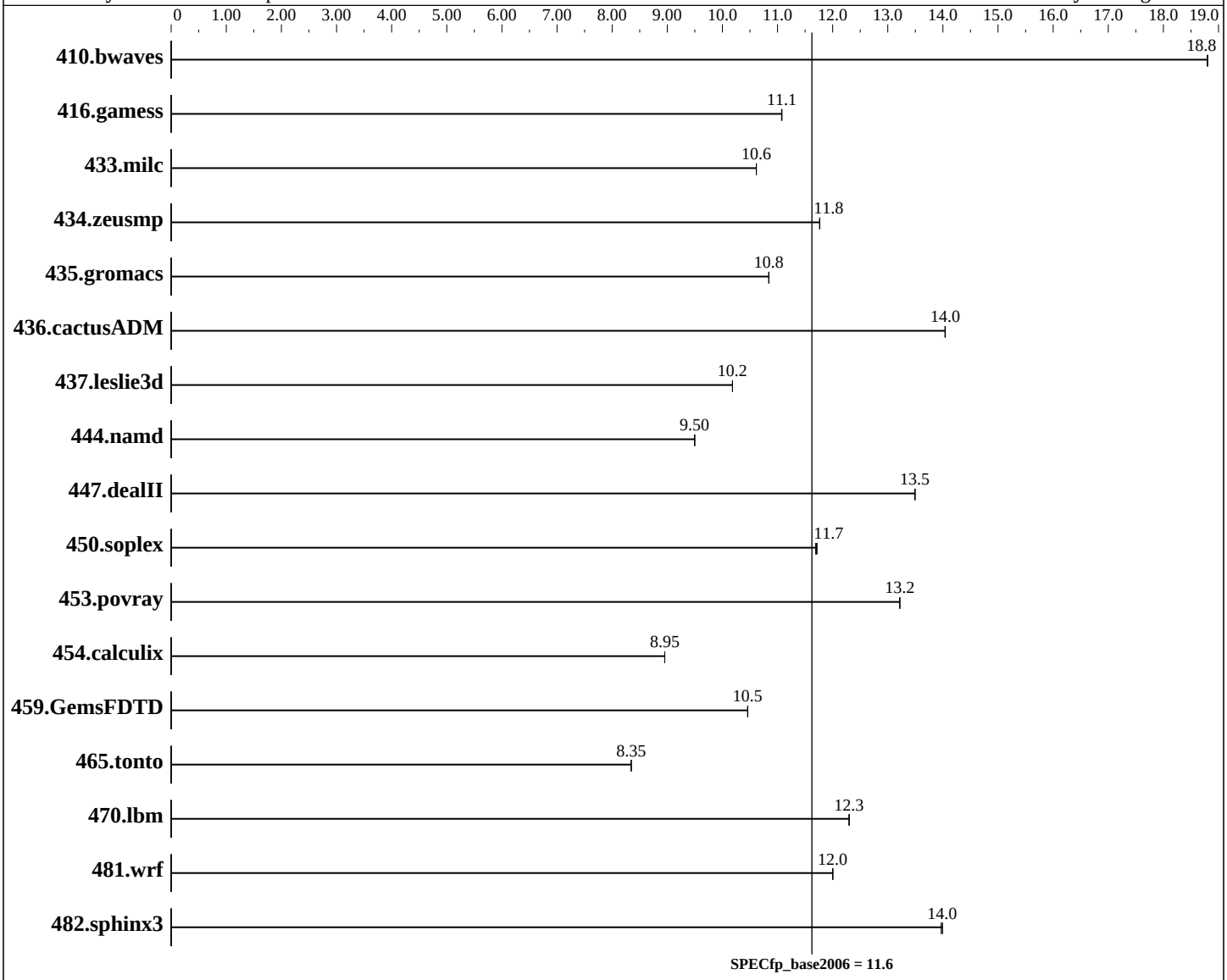
Intel DG965WH motherboard
(1.86 GHz, Intel Core 2 Duo processor E6300)

SPECfp®2006 = Not Run

SPECfp_base2006 = 11.6

CPU2006 license: 13
Test sponsor: Intel Corporation
Tested by: Intel Corporation

Test date: Jan-2007
Hardware Availability: Aug-2006
Software Availability: Aug-2006



Hardware

CPU Name:	Intel Core 2 Duo E6300
CPU Characteristics:	1.86 GHz, 1066 MHz bus
CPU MHz:	1867
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:	2 MB I+D on chip per chip

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Software

Operating System:	Windows XP Professional w/ SP2
Compiler:	Intel C++ and Fortran Compiler for IA32 version 9.1 Build no 20060816 Microsoft Visual Studio .Net 2003 (for libraries)
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 (2 1GB Micron MT16HTF12864AY-80ED4 DDR2 800, CL5)
Disk Subsystem: Maxtor DiamondMax 10 6B300S0 300GB NCQ Serial ATA (7200 RPM, 16MB cache)
Other Hardware: SoundBlaster Live! PCI card

Peak Pointers: Not Applicable
Other Software: SmartHeap Library Version 8.0 from http://www.microquill.com/

Results Table

Benchmark	Base						Peak					
	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
410.bwaves	723	18.8	**723**	**18.8**	723	18.8						
416.gamess	**1767**	**11.1**	1768	11.1	1767	11.1						
433.milc	**865**	**10.6**	865	10.6	865	10.6						
434.zeusmp	**773**	**11.8**	773	11.8	774	11.8						
435.gromacs	**659**	**10.8**	659	10.8	659	10.8						
436.cactusADM	851	14.0	851	14.0	**851**	**14.0**						
437.leslie3d	923	10.2	**923**	**10.2**	923	10.2						
444.namd	**844**	**9.50**	845	9.50	844	9.50						
447.dealII	**848**	**13.5**	848	13.5	848	13.5						
450.soplex	**713**	**11.7**	712	11.7	713	11.7						
453.povray	402	13.2	403	13.2	**402**	**13.2**						
454.calculix	921	8.95	921	8.95	**921**	**8.95**						
459.GemsFDTD	**1014**	**10.5**	1014	10.5	1015	10.5						
465.tonto	1179	8.35	1179	8.35	**1179**	**8.35**						
470.lbm	**1117**	**12.3**	1117	12.3	1117	12.3						
481.wrf	930	12.0	**931**	**12.0**	931	12.0						
482.sphinx3	**1393**	**14.0**	1395	14.0	1393	14.0						

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 1/2007:
http://www.intel.com/products/motherboard/DG965WH/index.htm
The system bus runs at 1066 MHz
System was configured with Single nVidia Quad SLI Geforce 7950 GX2
```

Base Compiler Invocation

C benchmarks:

```
icl -Qvc7.1 -Qc99
```

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Base Compiler Invocation (Continued)

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.20090715.06.html

You can also download the XML flags source by saving the following link:
http://www.spec.org/cpu2006/flags/Intel-ic91-flags.20090715.06.xml

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Tested with SPEC CPU2006 v1.0.
Report generated on Tue Jul 22 10:27:15 2014 by SPEC CPU2006 PS/PDF formatter v6932.
Originally published on 20 February 2007.