SPEC® CFP2006 Result

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Intel Corporation

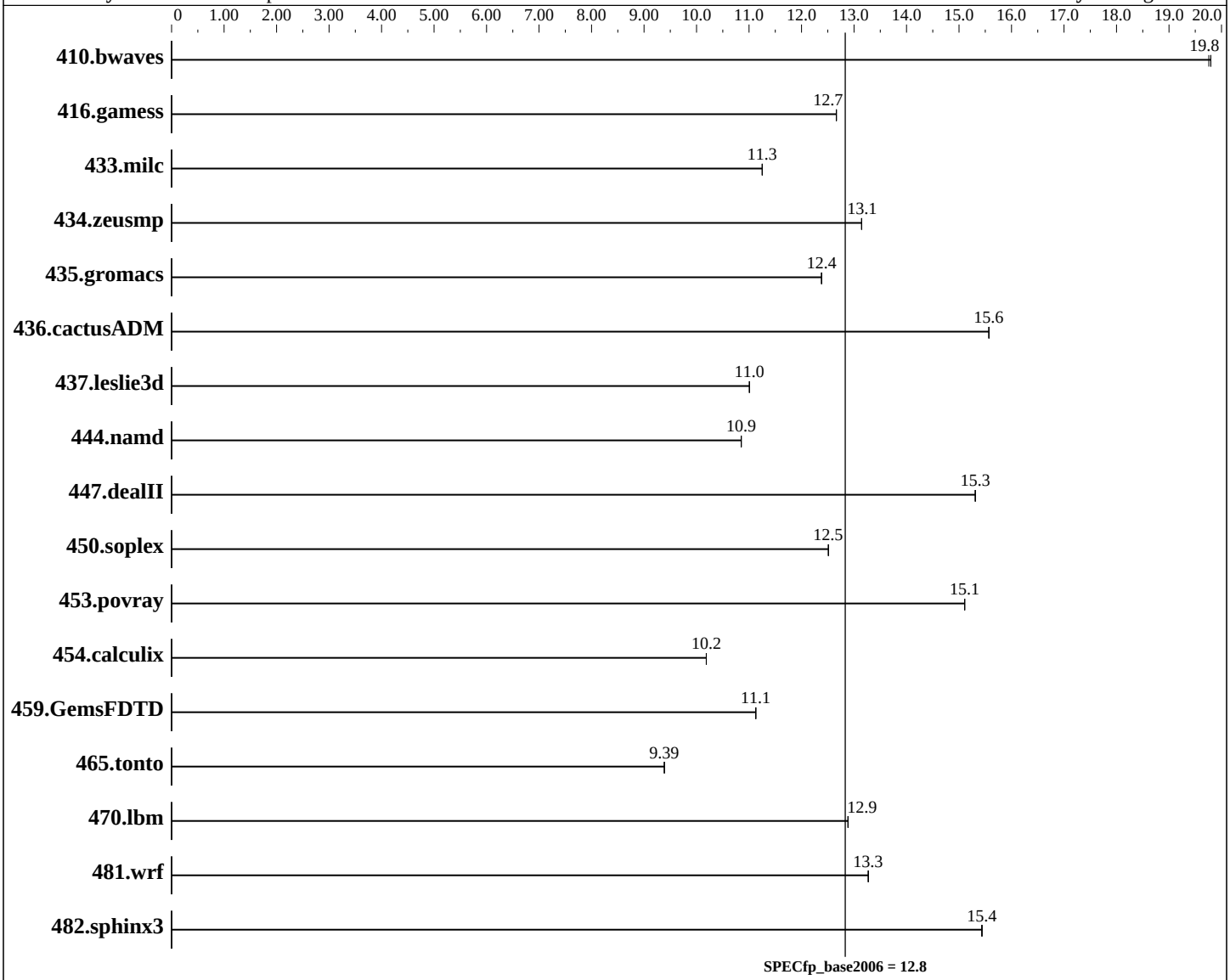
Intel DG965WH motherboard
(2.13 GHz, Intel Core 2 Duo processor E6400)

SPECfp®2006 = Not Run

SPECfp_base2006 = 12.8

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 E6400
CPU Characteristics:	2.13 GHz, 1066 MHz bus
CPU MHz:	2133
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	688	19.8	686	19.8	**687**	**19.8**						
416.gamess	1546	12.7	**1546**	**12.7**	1546	12.7						
433.milc	816	11.2	816	11.3	**816**	**11.3**						
434.zeusmp	692	13.1	**692**	**13.1**	692	13.1						
435.gromacs	577	12.4	577	12.4	**577**	**12.4**						
436.cactusADM	768	15.6	767	15.6	**768**	**15.6**						
437.leslie3d	854	11.0	**854**	**11.0**	854	11.0						
444.namd	739	10.9	739	10.9	**739**	**10.9**						
447.dealII	747	15.3	**747**	**15.3**	747	15.3						
450.soplex	**667**	**12.5**	667	12.5	667	12.5						
453.povray	352	15.1	**352**	**15.1**	352	15.1						
454.calculix	810	10.2	810	10.2	**810**	**10.2**						
459.GemsFDTD	954	11.1	953	11.1	**953**	**11.1**						
465.tonto	1048	9.39	**1048**	**9.39**	1048	9.39						
470.lbm	1067	12.9	1066	12.9	**1066**	**12.9**						
481.wrf	842	13.3	841	13.3	**842**	**13.3**						
482.sphinx3	1263	15.4	1262	15.4	**1263**	**15.4**						

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 10:23:07 2014 by SPEC CPU2006 PS/PDF formatter v6932.
Originally published on 20 February 2007.