



# SPEC<sup>®</sup> CFP2006 Result

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## Intel Corporation

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

### SPECfp<sup>®</sup>\_rate2006 = Not Run

### SPECfp\_rate\_base2006 = 21.3

CPU2006 license: 13

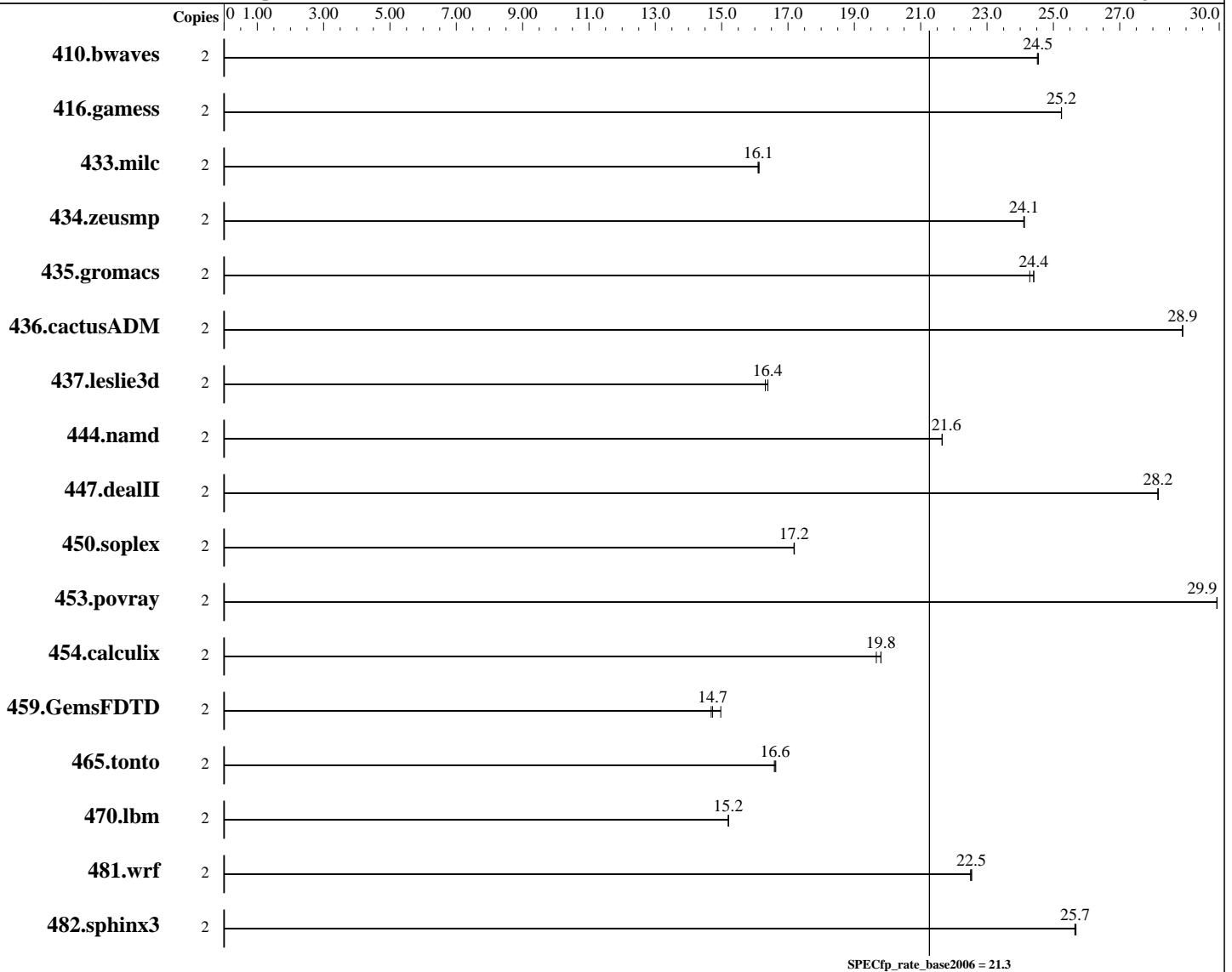
Test sponsor: Intel Corporation

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							
	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio		
410.bwaves	2	1107	24.6	1109	24.5	<b>1108</b>	<b>24.5</b>									
416.gamess	2	1551	25.2	1551	25.2	<b>1551</b>	<b>25.2</b>									
433.milc	2	<b>1140</b>	<b>16.1</b>	1138	16.1	1141	16.1									
434.zeusmp	2	755	24.1	<b>755</b>	<b>24.1</b>	754	24.1									
435.gromacs	2	585	24.4	<b>585</b>	<b>24.4</b>	588	24.3									
436.cactusADM	2	<b>827</b>	<b>28.9</b>	827	28.9	827	28.9									
437.leslie3d	2	1147	16.4	<b>1147</b>	<b>16.4</b>	1152	16.3									
444.namd	2	741	21.6	<b>741</b>	<b>21.6</b>	741	21.6									
447.dealII	2	813	28.2	<b>813</b>	<b>28.2</b>	813	28.2									
450.soplex	2	<b>971</b>	<b>17.2</b>	970	17.2	971	17.2									
453.povray	2	356	29.9	<b>355</b>	<b>29.9</b>	355	29.9									
454.calculix	2	<b>833</b>	<b>19.8</b>	839	19.7	833	19.8									
459.GemsFDTD	2	1417	15.0	1445	14.7	<b>1441</b>	<b>14.7</b>									
465.tonto	2	<b>1185</b>	<b>16.6</b>	1186	16.6	1183	16.6									
470.lbm	2	1808	15.2	<b>1808</b>	<b>15.2</b>	1808	15.2									
481.wrf	2	<b>992</b>	<b>22.5</b>	993	22.5	991	22.5									
482.sphinx3	2	1520	25.6	<b>1519</b>	<b>25.7</b>	1518	25.7									

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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For questions about this result, please contact the tester.  
For other inquiries, please contact [webmaster@spec.org](mailto:webmaster@spec.org).

Tested with SPEC CPU2006 v1.0.  
Report generated on Tue Jul 22 10:20:40 2014 by SPEC CPU2006 PS/PDF formatter v6932.  
Originally published on 20 February 2007.