



# 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>2006 = **Not Run**

SPECfp\_base2006 = **12.8**

CPU2006 license: 13

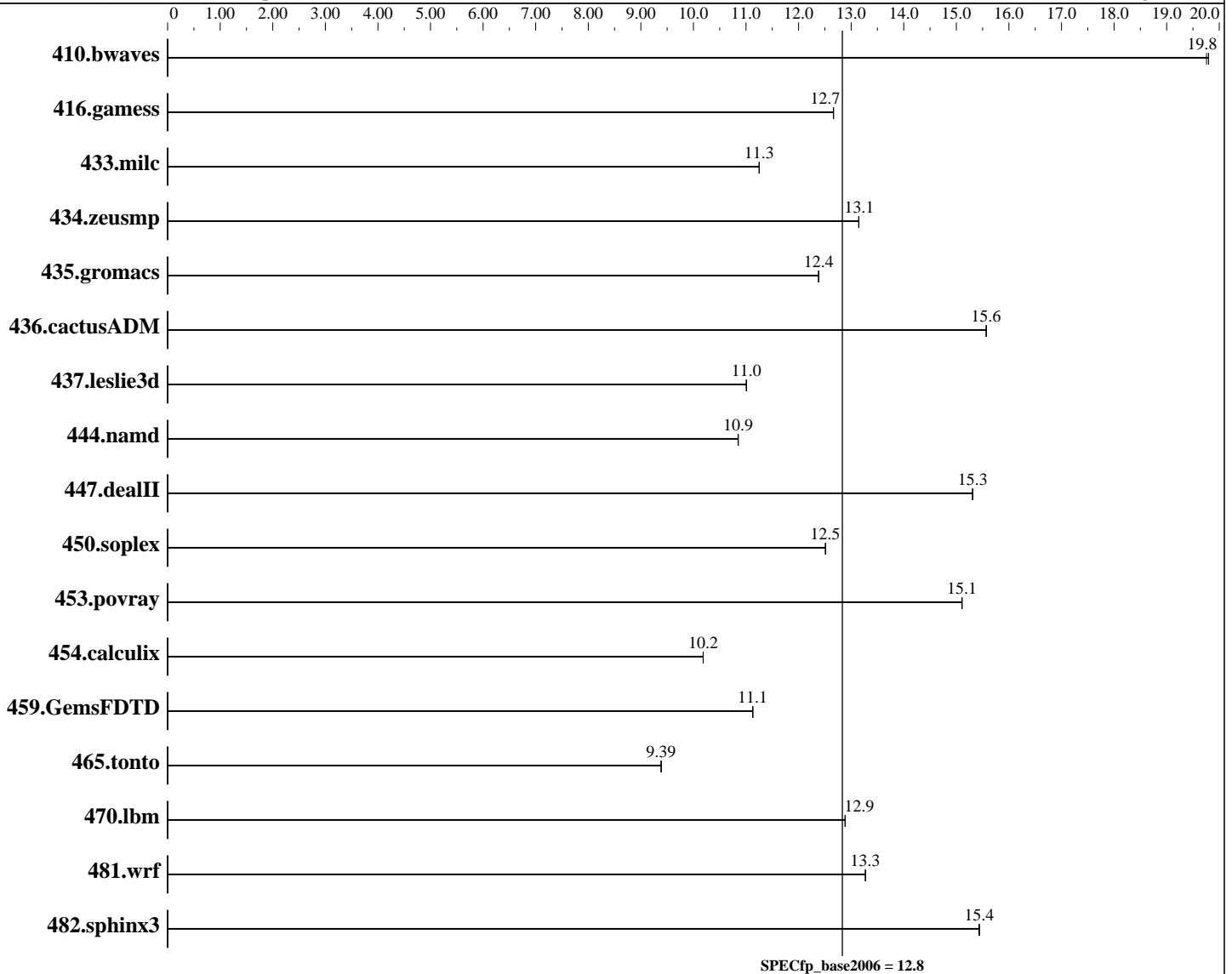
Test sponsor: Intel Corporation

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

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).

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