# SPEC® CFP2006 Result

## Intel Corporation

Intel DG965WH motherboard  
(2.67 GHz, Intel Core 2 Duo processor E6700)

<table>
<thead>
<tr>
<th>SPECfp®2006</th>
<th>SPECfp_base2006</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not Run</td>
<td>15.6</td>
</tr>
</tbody>
</table>

### CPU2006 license: 13
Test sponsor: Intel Corporation  
Tested by: Intel Corporation  
Test date: Jan-2007  
Hardware Availability: Aug-2006

### Software Availability: Aug-2006

<table>
<thead>
<tr>
<th>SPECfp_base2006 = 15.6</th>
</tr>
</thead>
</table>

## Hardware

<table>
<thead>
<tr>
<th>CPU Name:</th>
<th>Intel Core 2 Duo E6700</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPU Characteristics:</td>
<td>2.67 GHz, 1066 MHz bus</td>
</tr>
<tr>
<td>CPU MHz:</td>
<td>2667</td>
</tr>
<tr>
<td>FPU:</td>
<td>Integrated</td>
</tr>
<tr>
<td>CPU(s) enabled:</td>
<td>2 cores, 1 chip, 2 cores/chip</td>
</tr>
<tr>
<td>CPU(s) orderable:</td>
<td>1 chip</td>
</tr>
<tr>
<td>Primary Cache:</td>
<td>32 KB I + 32 KB D on chip per core</td>
</tr>
<tr>
<td>Secondary Cache:</td>
<td>4 MB I+D on chip per chip</td>
</tr>
</tbody>
</table>

## Software

<table>
<thead>
<tr>
<th>Operating System:</th>
<th>Windows XP Professional w/ SP2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compiler:</td>
<td>Intel C++ and Fortran Compiler for IA32 version 9.1 Build no 20060816 Microsoft Visual Studio .Net 2003 (for libraries)</td>
</tr>
<tr>
<td>Auto Parallel:</td>
<td>No</td>
</tr>
<tr>
<td>File System:</td>
<td>NTFS</td>
</tr>
<tr>
<td>System State:</td>
<td>Default</td>
</tr>
<tr>
<td>Base Pointers:</td>
<td>32-bit</td>
</tr>
</tbody>
</table>

Continued on next page
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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

<table>
<thead>
<tr>
<th>Benchmark</th>
<th>Seconds Base</th>
<th>Ratio</th>
<th>Seconds Base</th>
<th>Ratio</th>
<th>Seconds Base</th>
<th>Ratio</th>
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<tbody>
<tr>
<td>410.bwaves</td>
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<td>21.6</td>
<td>630</td>
<td>21.6</td>
<td>630</td>
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<tr>
<td>416.gamess</td>
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<td>1237</td>
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<tr>
<td>433.milc</td>
<td>765</td>
<td>12.0</td>
<td>764</td>
<td>12.0</td>
<td>765</td>
<td>12.0</td>
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<td>434.zeusmp</td>
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<td>435.gromacs</td>
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<td>459.GemsFDTD</td>
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<td>21.3</td>
<td>914</td>
<td>21.3</td>
</tr>
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</table>

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:
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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Standard Performance Evaluation Corporation
info@spec.org
http://www.spec.org/
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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.  