# SPEC® CFP2006 Result

**Intel Corporation**

Intel DG965WH motherboard  
(3.60 GHz, Intel Pentium D processor 960)

**SPECfp®_rate2006 = Not Run**

**SPECfp_rate_base2006 = 20.4**

<table>
<thead>
<tr>
<th>Software</th>
<th>Hardware</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Operating System:</strong> Windows XP Professional w/ SP2</td>
<td><strong>CPU Name:</strong> Intel Pentium D 960</td>
</tr>
<tr>
<td><strong>Compiler:</strong> Intel C++ and Fortran Compiler for IA32 version 9.1</td>
<td><strong>CPU Characteristics:</strong> 3.60 GHz, 800 MHz bus</td>
</tr>
<tr>
<td>Build no 20060816</td>
<td><strong>CPU MHz:</strong> 3600</td>
</tr>
<tr>
<td>Microsoft Visual Studio .Net 2003 (for libraries)</td>
<td><strong>FPU:</strong> Integrated</td>
</tr>
<tr>
<td><strong>Auto Parallel:</strong> No</td>
<td><strong>CPU(s) enabled:</strong> 2 cores, 1 chip, 2 cores/chip</td>
</tr>
<tr>
<td><strong>File System:</strong> NTFS</td>
<td><strong>CPU(s) orderable:</strong> 1 chip</td>
</tr>
<tr>
<td><strong>System State:</strong> Default</td>
<td><strong>Primary Cache:</strong> 12 K micro-ops I + 16 KB D on chip per core</td>
</tr>
<tr>
<td><strong>Base Pointers:</strong> 32-bit</td>
<td><strong>Secondary Cache:</strong> 2 MB I+D on chip per core</td>
</tr>
</tbody>
</table>

**Test date:** Jan-2007  
**Hardware Availability:** Aug-2006  
**Test sponsor:** Intel Corporation  
**Software Availability:** Aug-2006  
**Tested by:** Intel Corporation

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<table>
<thead>
<tr>
<th>Program</th>
<th>Copies</th>
<th>SPECfp_rate_base2006</th>
</tr>
</thead>
<tbody>
<tr>
<td>410.bwaves</td>
<td>2</td>
<td>21.2</td>
</tr>
<tr>
<td>416.gamess</td>
<td>2</td>
<td>13.6</td>
</tr>
<tr>
<td>433.milc</td>
<td>2</td>
<td>19.0</td>
</tr>
<tr>
<td>434.zeusmp</td>
<td>2</td>
<td>19.9</td>
</tr>
<tr>
<td>435.gromacs</td>
<td>2</td>
<td>29.5</td>
</tr>
<tr>
<td>436.cactusADM</td>
<td>2</td>
<td>16.2</td>
</tr>
<tr>
<td>437.leslie3d</td>
<td>2</td>
<td>20.7</td>
</tr>
<tr>
<td>444.namd</td>
<td>2</td>
<td>28.1</td>
</tr>
<tr>
<td>447.dealII</td>
<td>2</td>
<td>18.4</td>
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<tr>
<td>450.soplex</td>
<td>2</td>
<td>25.0</td>
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<tr>
<td>453.povray</td>
<td>2</td>
<td>19.5</td>
</tr>
<tr>
<td>454.calculix</td>
<td>2</td>
<td>14.8</td>
</tr>
<tr>
<td>459.GemsFD</td>
<td>2</td>
<td>16.4</td>
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<tr>
<td>470.lbm</td>
<td>2</td>
<td>15.9</td>
</tr>
<tr>
<td>481.wrf</td>
<td>2</td>
<td>22.8</td>
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<tr>
<td>482.sphinx3</td>
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<td>28.6</td>
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CPU2006 license: 13
Test sponsor: Intel Corporation
Tested by: Intel Corporation
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

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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 800 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: -Qtolowercase /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 -Qtolowercase
  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.

Tested with SPEC CPU2006 v1.0.  
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