Intel Corporation

Intel DG965WH motherboard
(3.2 GHz, Intel Pentium D processor 940)

<table>
<thead>
<tr>
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</tr>
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<tbody>
<tr>
<td>SPECfp_base2006 =</td>
<td>11.2</td>
</tr>
</tbody>
</table>

**Hardware**

- **CPU Name:** Intel Pentium D 940
- **CPU Characteristics:** 3.20 GHz, 800 MHz bus
- **CPU MHz:** 3200
- **FPU:** Integrated
- **CPU(s) enabled:** 2 cores, 1 chip, 2 cores/chip
- **CPU(s) orderable:** 1 chip
- **Primary Cache:** 12 K micro-ops I + 16 KB D on chip per core
- **Secondary Cache:** 2 MB I+D on chip per core

**Software**

- **Operating System:** Windows XP Professional w/ SP2
- **Compiler:** Intel C++ and Fortran Compiler for IA32 version 9.1 Build 20060816
- **Auto Parallel:** No
- **File System:** NTFS
- **System State:** Default
- **Base Pointers:** 32-bit

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**Test Information**

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

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<table>
<thead>
<tr>
<th>Benchmark</th>
<th>Result</th>
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SPECfp_base2006 = 11.2

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L3 Cache: None  
Other Cache: None  
Memory: 2GB (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</th>
<th>Ratio</th>
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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  
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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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: -DDOAL_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.

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