



SPEC® CFP2006 Result

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Intel Corporation

Intel D975XBX motherboard (3.73 GHz, Intel Pentium processor Extreme Edition 965)

SPECfp®2006 = --

SPECfp_base2006 = 12.7

CPU2006 license: 13

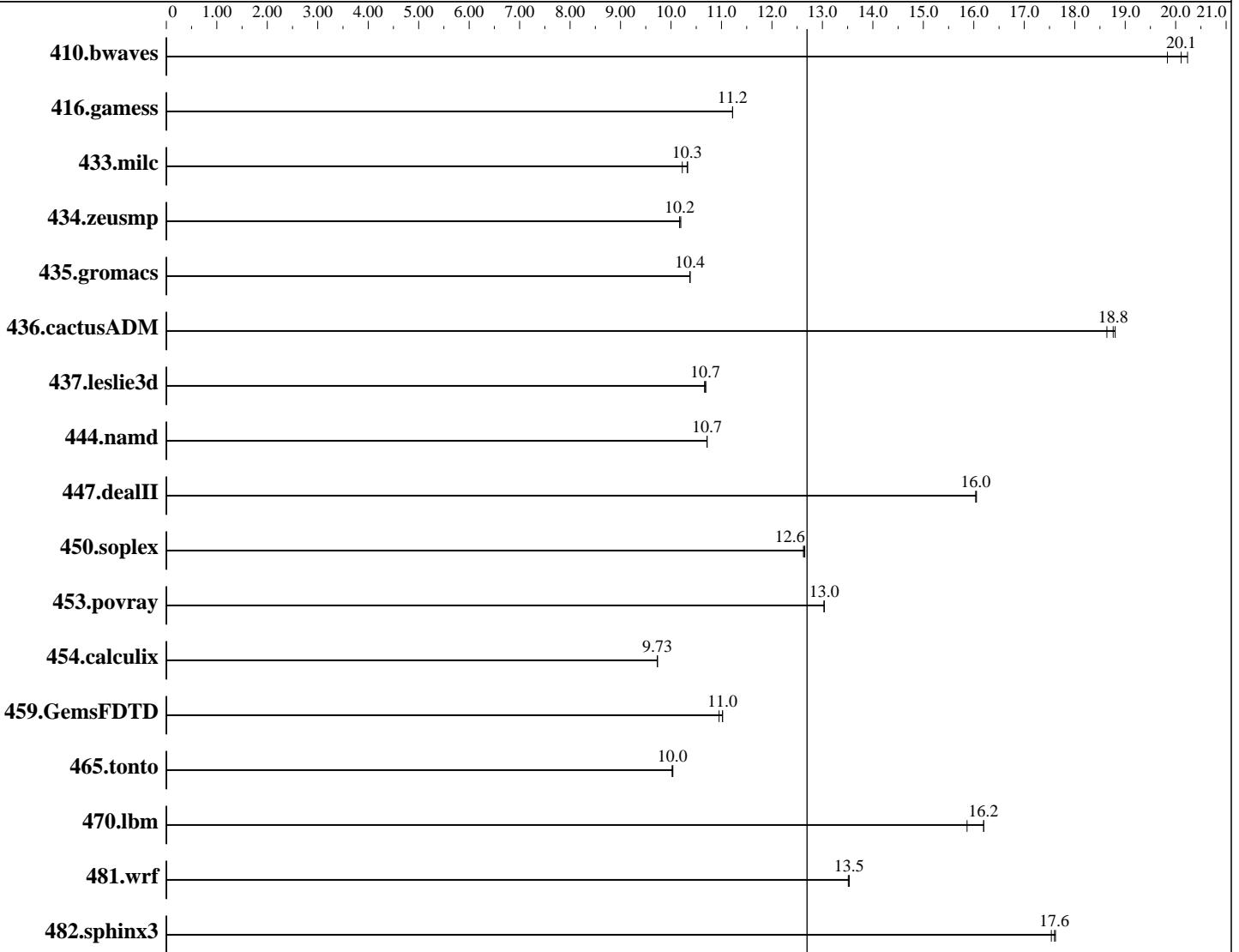
Test sponsor: Intel Corporation

Tested by: Intel Corporation

Test date: Apr-2006

Hardware Availability: Mar-2006

Software Availability: May-2006



SPECfp_base2006 = 12.7

Hardware

CPU Name: Intel Pentium Extreme Edition 965
 CPU Characteristics: 3.73 GHz, 1066 MHz bus
 CPU MHz: 3733
 FPU: Integrated
 CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip, 2 threads/core
 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

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Software

Operating System: Windows XP x64 Professional
 Compiler: Intel C++ Compiler 9.1 for 32 bit apps
 Build 20060323Z Package ID: W_CC_P_9.1.020
 Intel Visual Fortran Compiler 9.1 for 32 bit apps
 Build 20060323Z Package ID: W_FC_P_9.1.020
 Microsoft Visual Studio .Net 2003(for libraries)
 SmartHeap Library Version 7.4 from <http://www.microquill.com/>
 Auto Parallel: No

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L3 Cache: None
Other Cache: None
Memory: 4 GB (4 1GB Micron DDR2 667 CL5-5-5 DIMMs)
Disk Subsystem: Maxtor DiamondMax 10 6B300S0 300GB NCQ Serial ATA (7200 RPM, 16MB cache)
Other Hardware: ATI X1900XTX PCIe graphics card

File System: NTFS
System State: Default
Base Pointers: 32-bit
Peak Pointers: Not Applicable
Other Software: None

Results Table

| Benchmark | Base | | | | | | Peak | | | | | |
|---------------|-------------|-------------|------------|-------------|-------------|-------------|---------|-------|---------|-------|---------|-------|
| | Seconds | Ratio | Seconds | Ratio | Seconds | Ratio | Seconds | Ratio | Seconds | Ratio | Seconds | Ratio |
| 410.bwaves | 685 | 19.8 | 672 | 20.2 | 676 | 20.1 | | | | | | |
| 416.gamess | 1745 | 11.2 | 1745 | 11.2 | 1745 | 11.2 | | | | | | |
| 433.milc | 898 | 10.2 | 890 | 10.3 | 889 | 10.3 | | | | | | |
| 434.zeusmp | 893 | 10.2 | 895 | 10.2 | 895 | 10.2 | | | | | | |
| 435.gromacs | 688 | 10.4 | 688 | 10.4 | 688 | 10.4 | | | | | | |
| 436.cactusADM | 641 | 18.6 | 636 | 18.8 | 637 | 18.8 | | | | | | |
| 437.leslie3d | 881 | 10.7 | 880 | 10.7 | 879 | 10.7 | | | | | | |
| 444.namd | 749 | 10.7 | 749 | 10.7 | 749 | 10.7 | | | | | | |
| 447.dealII | 713 | 16.1 | 713 | 16.0 | 713 | 16.0 | | | | | | |
| 450.soplex | 659 | 12.7 | 661 | 12.6 | 660 | 12.6 | | | | | | |
| 453.povray | 408 | 13.0 | 408 | 13.0 | 408 | 13.0 | | | | | | |
| 454.calculix | 848 | 9.73 | 848 | 9.73 | 848 | 9.73 | | | | | | |
| 459.GemsFDTD | 969 | 11.0 | 963 | 11.0 | 963 | 11.0 | | | | | | |
| 465.tonto | 982 | 10.0 | 980 | 10.0 | 981 | 10.0 | | | | | | |
| 470.lbm | 866 | 15.9 | 848 | 16.2 | 848 | 16.2 | | | | | | |
| 481.wrf | 827 | 13.5 | 826 | 13.5 | 826 | 13.5 | | | | | | |
| 482.sphinx3 | 1107 | 17.6 | 1106 | 17.6 | 1111 | 17.5 | | | | | | |

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 03/2006
<http://www.intel.com/products/motherboard/D975XBX/index.htm>
The system bus runs at 1066 MHz

Base Compiler Invocation

C benchmarks:
icl -Qvc7.1 -Qc99

C++ benchmarks:
icl -Qvc7.1

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Base Compiler Invocation (Continued)

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.html>

You can also download the XML flags source by saving the following link:

<http://www.spec.org/cpu2006/flags/Intel-ic91-flags.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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