



SPEC[®] CFP2006 Result

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Intel Corporation

Intel DG965WH motherboard
(2.8 GHz, Intel Pentium D processor 920)

SPECfp[®]2006 = **Not Run**

SPECfp_base2006 = **10.2**

CPU2006 license: 13

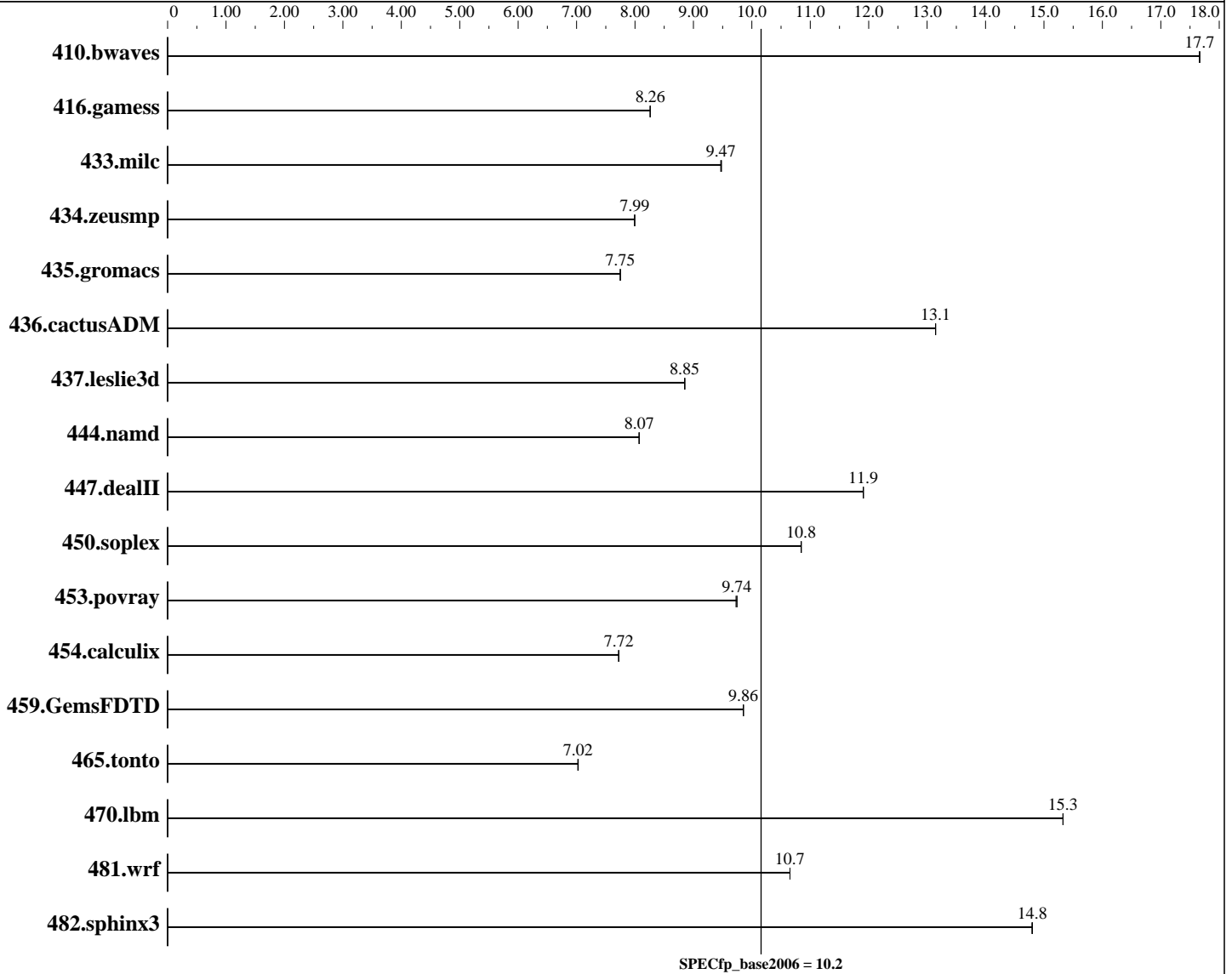
Test sponsor: Intel Corporation

Tested by: Intel Corporation

Test date: Jan-2007

Hardware Availability: Aug-2006

Software Availability: Aug-2006



Hardware

CPU Name: Intel Pentium D 920
 CPU Characteristics: 2.8 GHz, 800 MHz bus
 CPU MHz: 2800
 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

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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	769	17.7	769	17.7	769	17.7						
416.gamess	2370	8.26	2371	8.26	2370	8.26						
433.milc	969	9.47	968	9.48	970	9.47						
434.zeusmp	1138	8.00	1138	7.99	1138	7.99						
435.gromacs	921	7.75	922	7.75	921	7.75						
436.cactusADM	909	13.1	909	13.1	909	13.1						
437.leslie3d	1062	8.85	1062	8.85	1062	8.85						
444.namd	994	8.07	994	8.07	994	8.07						
447.dealII	961	11.9	961	11.9	961	11.9						
450.soplex	769	10.8	769	10.8	769	10.8						
453.povray	546	9.74	547	9.73	546	9.75						
454.calculix	1069	7.72	1068	7.72	1069	7.72						
459.GemsFDTD	1077	9.86	1077	9.85	1076	9.86						
465.tonto	1400	7.03	1401	7.02	1401	7.02						
470.lbm	897	15.3	897	15.3	897	15.3						
481.wrf	1049	10.7	1049	10.7	1049	10.7						
482.sphinx3	1317	14.8	1317	14.8	1317	14.8						

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 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: -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 other inquiries, please contact webmaster@spec.org.

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