



SPEC[®] CFP2006 Result

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Intel Corporation

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

SPECfp[®]_rate2006 = Not Run

SPECfp_rate_base2006 = 17.6

CPU2006 license: 13

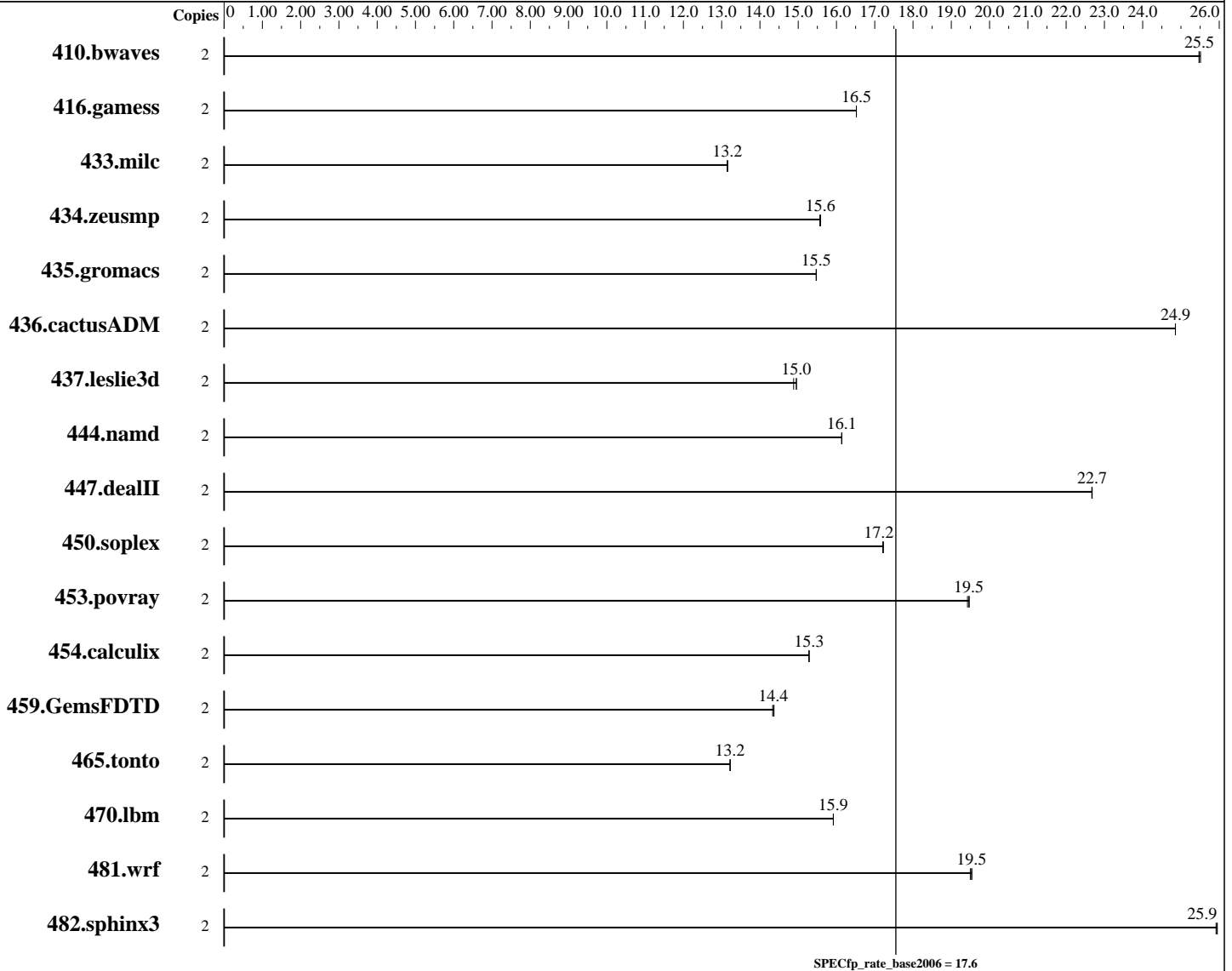
Test sponsor: Intel Corporation

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						
	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
410.bwaves	2	1067	25.5	1067	25.5	1065	25.5							
416.gamess	2	2370	16.5	2371	16.5	2370	16.5							
433.milc	2	1396	13.1	1396	13.2	1396	13.2							
434.zeusmp	2	1168	15.6	1169	15.6	1168	15.6							
435.gromacs	2	923	15.5	923	15.5	923	15.5							
436.cactusADM	2	962	24.9	962	24.9	962	24.9							
437.leslie3d	2	1257	15.0	1257	15.0	1263	14.9							
444.namd	2	994	16.1	994	16.1	994	16.1							
447.dealII	2	1009	22.7	1009	22.7	1009	22.7							
450.soplex	2	969	17.2	969	17.2	968	17.2							
453.povray	2	547	19.5	548	19.4	547	19.5							
454.calculix	2	1080	15.3	1080	15.3	1080	15.3							
459.GemsFDTD	2	1478	14.4	1477	14.4	1481	14.3							
465.tonto	2	1489	13.2	1489	13.2	1488	13.2							
470.lbm	2	1726	15.9	1726	15.9	1726	15.9							
481.wrf	2	1146	19.5	1144	19.5	1144	19.5							
482.sphinx3	2	1502	26.0	1504	25.9	1503	25.9							

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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