SPEC® CFP2006 Result

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Intel Corporation

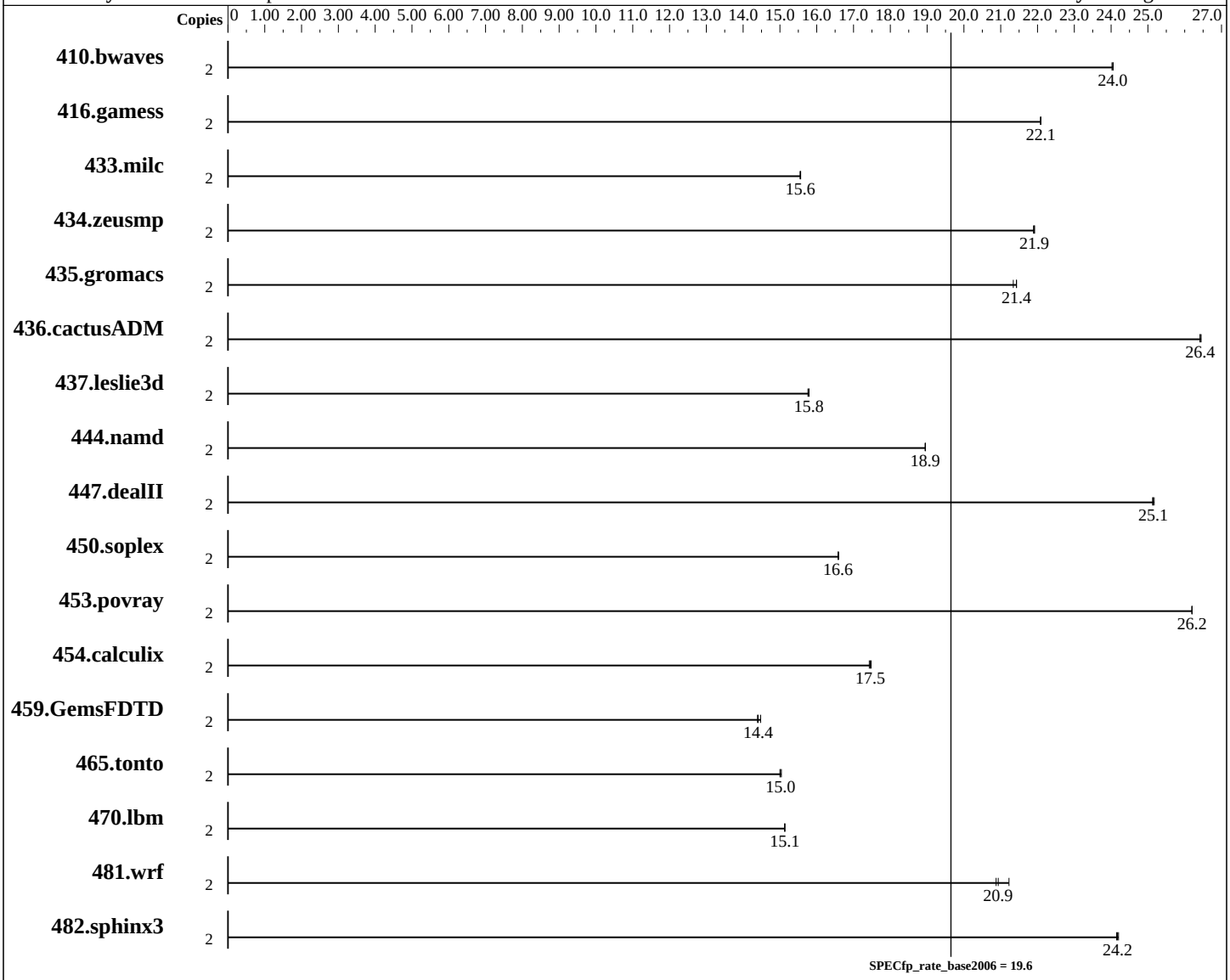
Intel DG965WH motherboard
(1.86 GHz, Intel Core 2 Duo processor E6300)

SPECfp®_rate2006 = Not Run

SPECfp_rate_base2006 = 19.6

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 Core 2 Duo E6300
CPU Characteristics:	1.86 GHz, 1066 MHz bus
CPU MHz:	1867
FPU:	Integrated
CPU(s) enabled:	2 cores, 1 chip, 2 cores/chip
CPU(s) orderable:	1 chip
Primary Cache:	32 KB I + 32 KB D on chip per core
Secondary Cache:	2 MB I+D on chip per chip

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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	1130	24.1	1131	24.0	**1130**	**24.0**							
416.gamess	2	**1773**	**22.1**	1773	22.1	1773	22.1							
433.milc	2	**1180**	**15.6**	1180	15.6	1181	15.5							
434.zeusmp	2	**830**	**21.9**	830	21.9	831	21.9							
435.gromacs	2	666	21.4	**667**	**21.4**	669	21.3							
436.cactusADM	2	**905**	**26.4**	904	26.4	905	26.4							
437.leslie3d	2	1191	15.8	1193	15.8	**1191**	**15.8**							
444.namd	2	846	18.9	846	19.0	**846**	**18.9**							
447.dealII	2	911	25.1	**910**	**25.1**	909	25.2							
450.soplex	2	**1006**	**16.6**	1005	16.6	1006	16.6							
453.povray	2	**406**	**26.2**	406	26.2	406	26.2							
454.calculix	2	947	17.4	**945**	**17.5**	944	17.5							
459.GemsFDTD	2	1466	14.5	**1472**	**14.4**	1475	14.4							
465.tonto	2	**1311**	**15.0**	1312	15.0	1309	15.0							
470.lbm	2	**1816**	**15.1**	1816	15.1	1816	15.1							
481.wrf	2	1053	21.2	**1067**	**20.9**	1070	20.9							
482.sphinx3	2	1614	24.1	1611	24.2	**1612**	**24.2**							

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 1066 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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