SPEC® CFP2006 Result

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Intel Corporation

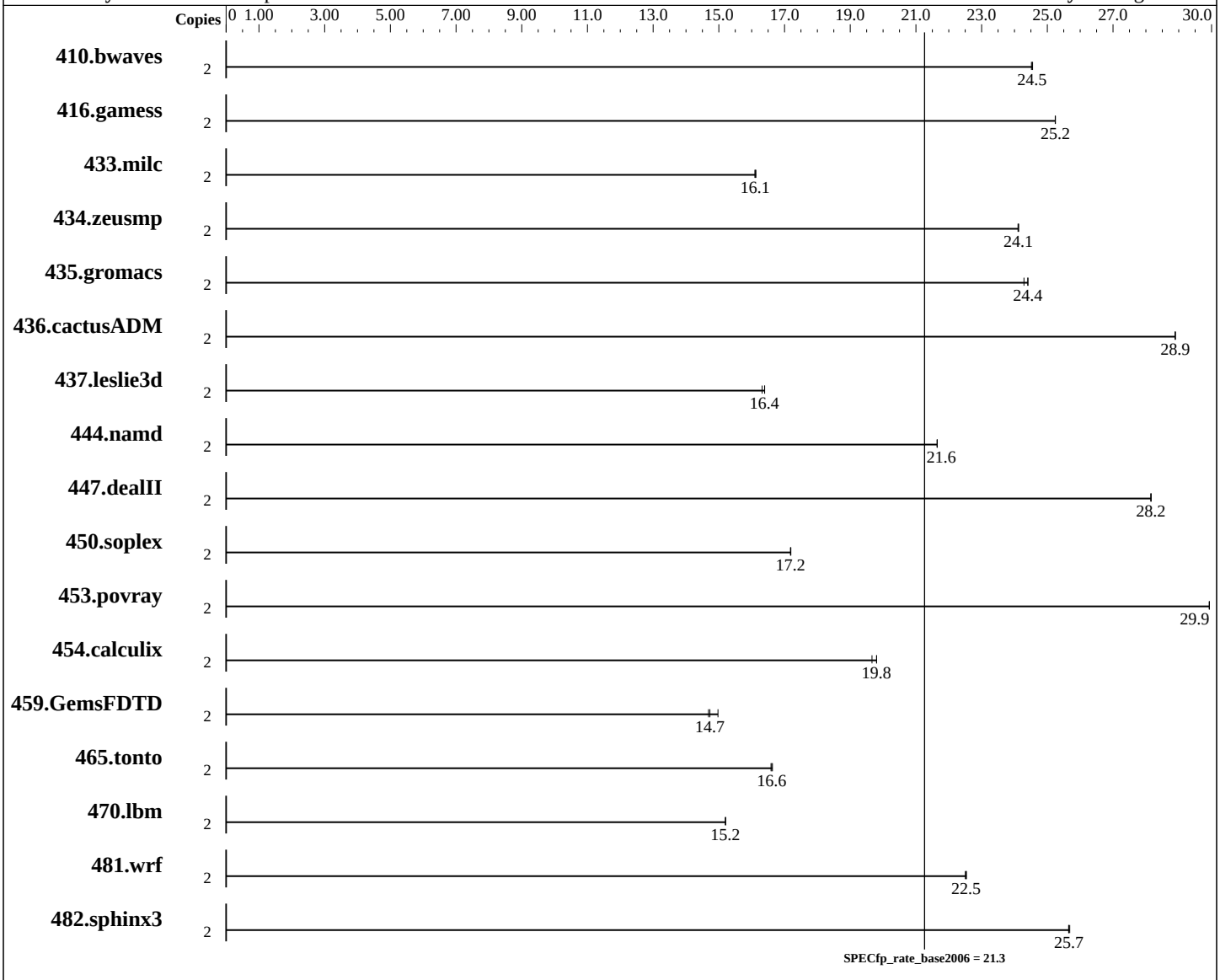
Intel DG965WH motherboard
(2.13 GHz, Intel Core 2 Duo processor E6400)

SPECfp®_rate2006 = Not Run

SPECfp_rate_base2006 = 21.3

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 E6400
CPU Characteristics:	2.13 GHz, 1066 MHz bus
CPU MHz:	2133
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	1107	24.6	1109	24.5	**1108**	**24.5**							
416.gamess	2	1551	25.2	1551	25.2	**1551**	**25.2**							
433.milc	2	**1140**	**16.1**	1138	16.1	1141	16.1							
434.zeusmp	2	755	24.1	**755**	**24.1**	754	24.1							
435.gromacs	2	585	24.4	**585**	**24.4**	588	24.3							
436.cactusADM	2	**827**	**28.9**	827	28.9	827	28.9							
437.leslie3d	2	1147	16.4	**1147**	**16.4**	1152	16.3							
444.namd	2	741	21.6	**741**	**21.6**	741	21.6							
447.dealII	2	813	28.2	**813**	**28.2**	813	28.2							
450.soplex	2	**971**	**17.2**	970	17.2	971	17.2							
453.povray	2	356	29.9	**355**	**29.9**	355	29.9							
454.calculix	2	**833**	**19.8**	839	19.7	833	19.8							
459.GemsFDTD	2	1417	15.0	1445	14.7	**1441**	**14.7**							
465.tonto	2	**1185**	**16.6**	1186	16.6	1183	16.6							
470.lbm	2	1808	15.2	**1808**	**15.2**	1808	15.2							
481.wrf	2	**992**	**22.5**	993	22.5	991	22.5							
482.sphinx3	2	1520	25.6	**1519**	**25.7**	1518	25.7							

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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