SPEC® CFP2006 Result

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Intel Corporation

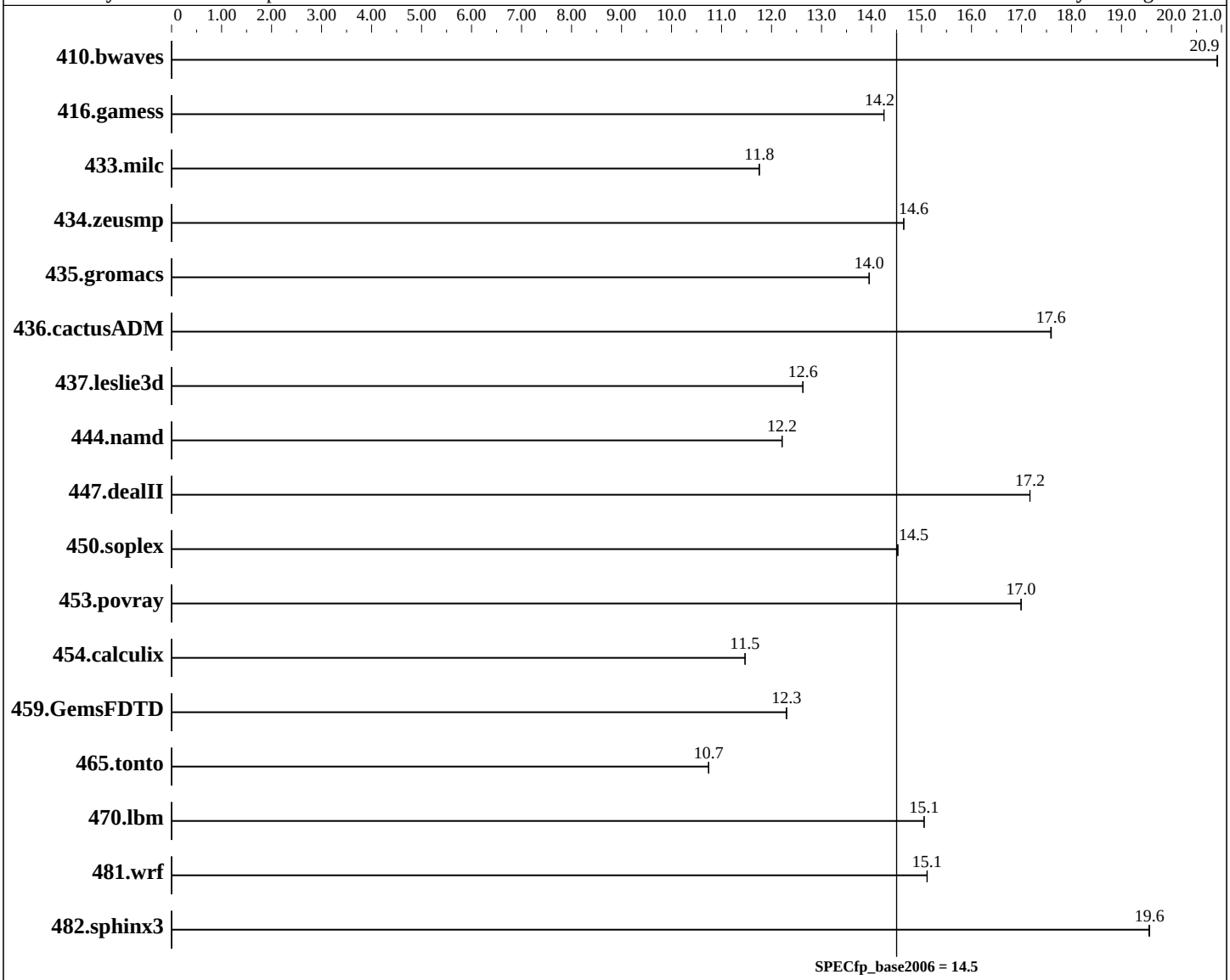
Intel DG965WH motherboard
(2.40 GHz, Intel Core 2 Duo processor E6600)

SPECfp®2006 = Not Run

SPECfp_base2006 = 14.5

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 E6600
CPU Characteristics:	2.40 GHz, 1066 MHz bus
CPU MHz:	2400
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:	4 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					
	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
410.bwaves	**650**	**20.9**	650	20.9	650	20.9						
416.gamess	1374	14.2	1374	14.2	**1374**	**14.2**						
433.milc	**781**	**11.8**	781	11.8	781	11.8						
434.zeusmp	621	14.6	621	14.6	**621**	**14.6**						
435.gromacs	512	14.0	512	14.0	**512**	**14.0**						
436.cactusADM	**679**	**17.6**	680	17.6	679	17.6						
437.leslie3d	**744**	**12.6**	744	12.6	745	12.6						
444.namd	657	12.2	657	12.2	**657**	**12.2**						
447.dealII	666	17.2	**666**	**17.2**	666	17.2						
450.soplex	574	14.5	**574**	**14.5**	575	14.5						
453.povray	313	17.0	**313**	**17.0**	313	17.0						
454.calculix	719	11.5	**719**	**11.5**	719	11.5						
459.GemsFDTD	862	12.3	863	12.3	**863**	**12.3**						
465.tonto	916	10.7	**916**	**10.7**	916	10.7						
470.lbm	**913**	**15.1**	913	15.1	913	15.0						
481.wrf	739	15.1	739	15.1	**739**	**15.1**						
482.sphinx3	997	19.5	**996**	**19.6**	996	19.6						

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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