SPEC® CFP2006 Result

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Intel Corporation

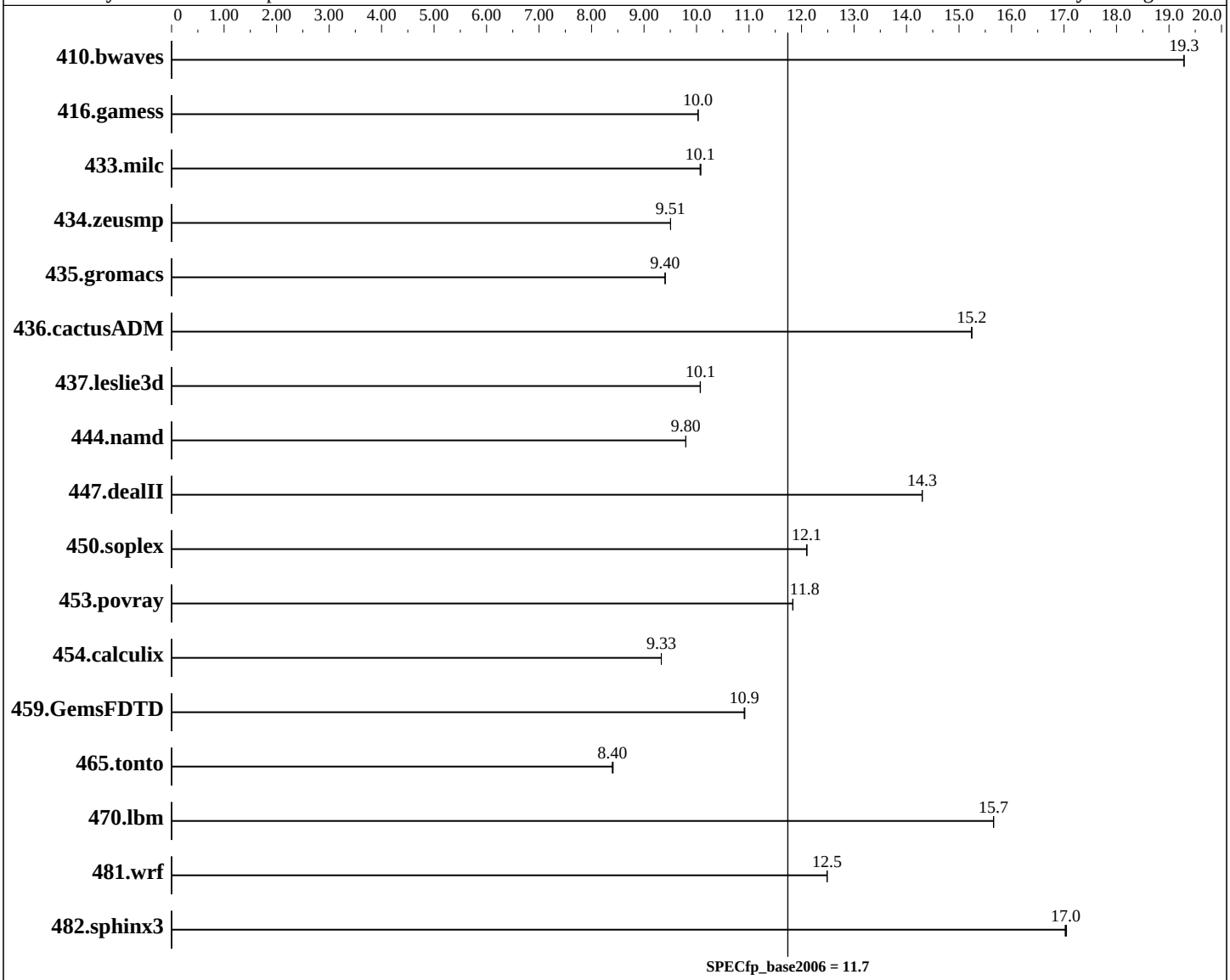
Intel DG965WH motherboard
(3.4 GHz, Intel Pentium D processor 950)

SPECfp®2006 = Not Run

SPECfp_base2006 = 11.7

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 950
CPU Characteristics:	3.4 GHz, 800 MHz bus
CPU MHz:	3400
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	**705**	**19.3**	705	19.3	705	19.3						
416.gamess	**1952**	**10.0**	1952	10.0	1952	10.0						
433.milc	910	10.1	912	10.1	**912**	**10.1**						
434.zeusmp	**957**	**9.51**	957	9.51	957	9.50						
435.gromacs	759	9.40	760	9.40	**759**	**9.40**						
436.cactusADM	784	15.2	784	15.2	**784**	**15.2**						
437.leslie3d	**933**	**10.1**	933	10.1	934	10.1						
444.namd	819	9.80	819	9.80	**819**	**9.80**						
447.dealII	**800**	**14.3**	800	14.3	800	14.3						
450.soplex	689	12.1	**689**	**12.1**	690	12.1						
453.povray	**450**	**11.8**	450	11.8	449	11.8						
454.calculix	884	9.33	884	9.33	**884**	**9.33**						
459.GemsFDTD	973	10.9	972	10.9	**973**	**10.9**						
465.tonto	1172	8.40	1170	8.41	**1172**	**8.40**						
470.lbm	877	15.7	**878**	**15.7**	878	15.7						
481.wrf	894	12.5	895	12.5	**895**	**12.5**						
482.sphinx3	1145	17.0	1143	17.0	**1144**	**17.0**						

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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