SPEC® CFP2006 Result

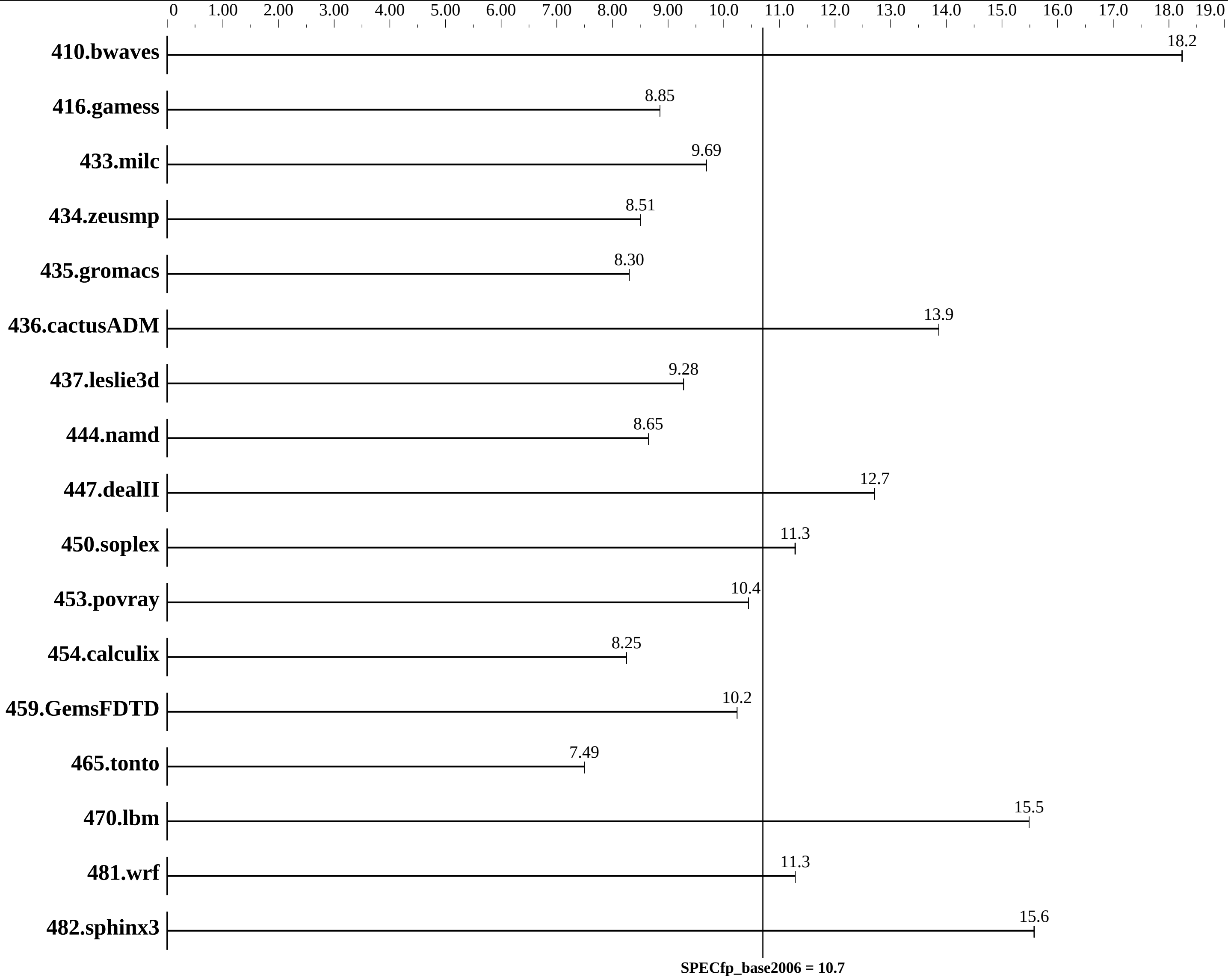
Intel Corporation

Intel DG965WH motherboard
(3.0 GHz, Intel Pentium D processor 930)

SPECfp®2006 = Not Run

SPECfp_base2006 = 10.7

CPU2006 license:	13	**Test date:**	Jan-2007
Test sponsor:	Intel Corporation	**Hardware Availability:**	Aug-2006
Tested by:	Intel Corporation	**Software Availability:**	Aug-2006



Hardware

CPU Name:	Intel Pentium D 930
CPU Characteristics:	3.0 GHz, 800 MHz bus
CPU MHz:	3000
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	**745**	**18.2**	745	18.2	745	18.2						
416.gamess	2212	8.85	**2212**	**8.85**	2212	8.85						
433.milc	**947**	**9.69**	947	9.69	947	9.69						
434.zeusmp	**1070**	**8.51**	1070	8.51	1070	8.51						
435.gromacs	860	8.30	**860**	**8.30**	860	8.30						
436.cactusADM	862	13.9	862	13.9	**862**	**13.9**						
437.leslie3d	1013	9.28	**1013**	**9.28**	1013	9.28						
444.namd	**928**	**8.65**	928	8.65	928	8.65						
447.dealII	900	12.7	**900**	**12.7**	900	12.7						
450.soplex	739	11.3	740	11.3	**739**	**11.3**						
453.povray	509	10.4	509	10.4	**509**	**10.4**						
454.calculix	999	8.26	**1000**	**8.25**	1000	8.25						
459.GemsFDTD	1036	10.2	1036	10.2	**1036**	**10.2**						
465.tonto	1313	7.50	1313	7.49	**1313**	**7.49**						
470.lbm	887	15.5	**887**	**15.5**	887	15.5						
481.wrf	990	11.3	990	11.3	**990**	**11.3**						
482.sphinx3	**1251**	**15.6**	1252	15.6	1251	15.6						

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 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

For questions about this result, please contact the tester.
For other inquiries, please contact webmaster@spec.org.

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