SPEC® CFP2006 Result

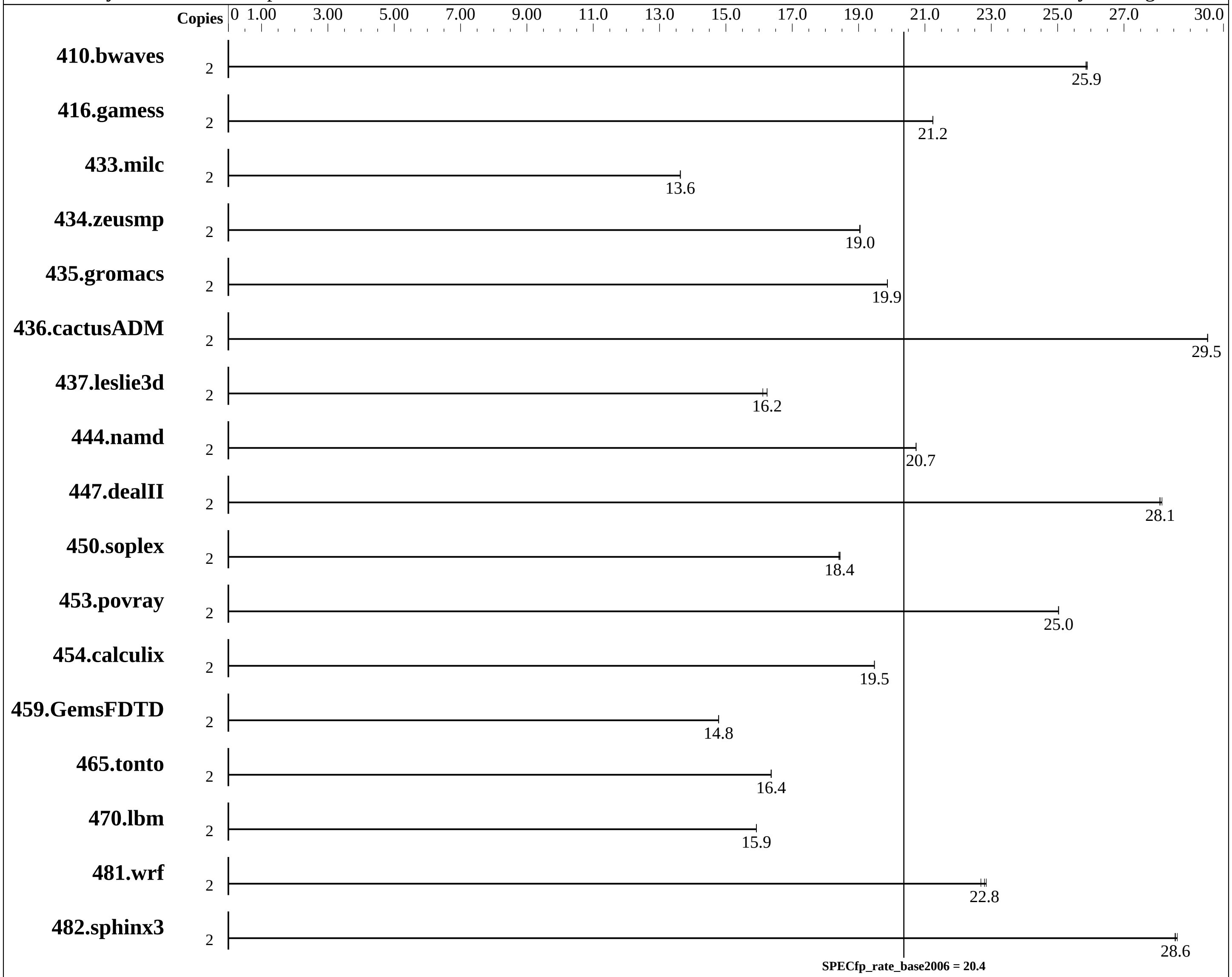
Intel Corporation

Intel DG965WH motherboard
(3.60 GHz, Intel Pentium D processor 960)

SPECfp®_rate2006 = Not Run

SPECfp_rate_base2006 = 20.4

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 960
CPU Characteristics:	3.60 GHz, 800 MHz bus
CPU MHz:	3600
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						
	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
410.bwaves	2	1051	25.9	**1051**	**25.9**	1050	25.9							
416.gamess	2	1844	21.2	1844	21.2	**1844**	**21.2**							
433.milc	2	**1348**	**13.6**	1348	13.6	1347	13.6							
434.zeusmp	2	956	19.0	**956**	**19.0**	956	19.0							
435.gromacs	2	719	19.9	719	19.9	**719**	**19.9**							
436.cactusADM	2	810	29.5	809	29.5	**809**	**29.5**							
437.leslie3d	2	1157	16.2	1167	16.1	**1157**	**16.2**							
444.namd	2	**774**	**20.7**	773	20.7	774	20.7							
447.dealII	2	813	28.1	815	28.1	**815**	**28.1**							
450.soplex	2	904	18.4	906	18.4	**905**	**18.4**							
453.povray	2	425	25.0	425	25.0	**425**	**25.0**							
454.calculix	2	847	19.5	847	19.5	**847**	**19.5**							
459.GemsFDTD	2	1436	14.8	1435	14.8	**1436**	**14.8**							
465.tonto	2	1202	16.4	**1203**	**16.4**	1203	16.4							
470.lbm	2	1726	15.9	**1726**	**15.9**	1726	15.9							
481.wrf	2	978	22.8	985	22.7	**980**	**22.8**							
482.sphinx3	2	1366	28.5	**1365**	**28.6**	1363	28.6							

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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