SPEC® CFP2006 Result

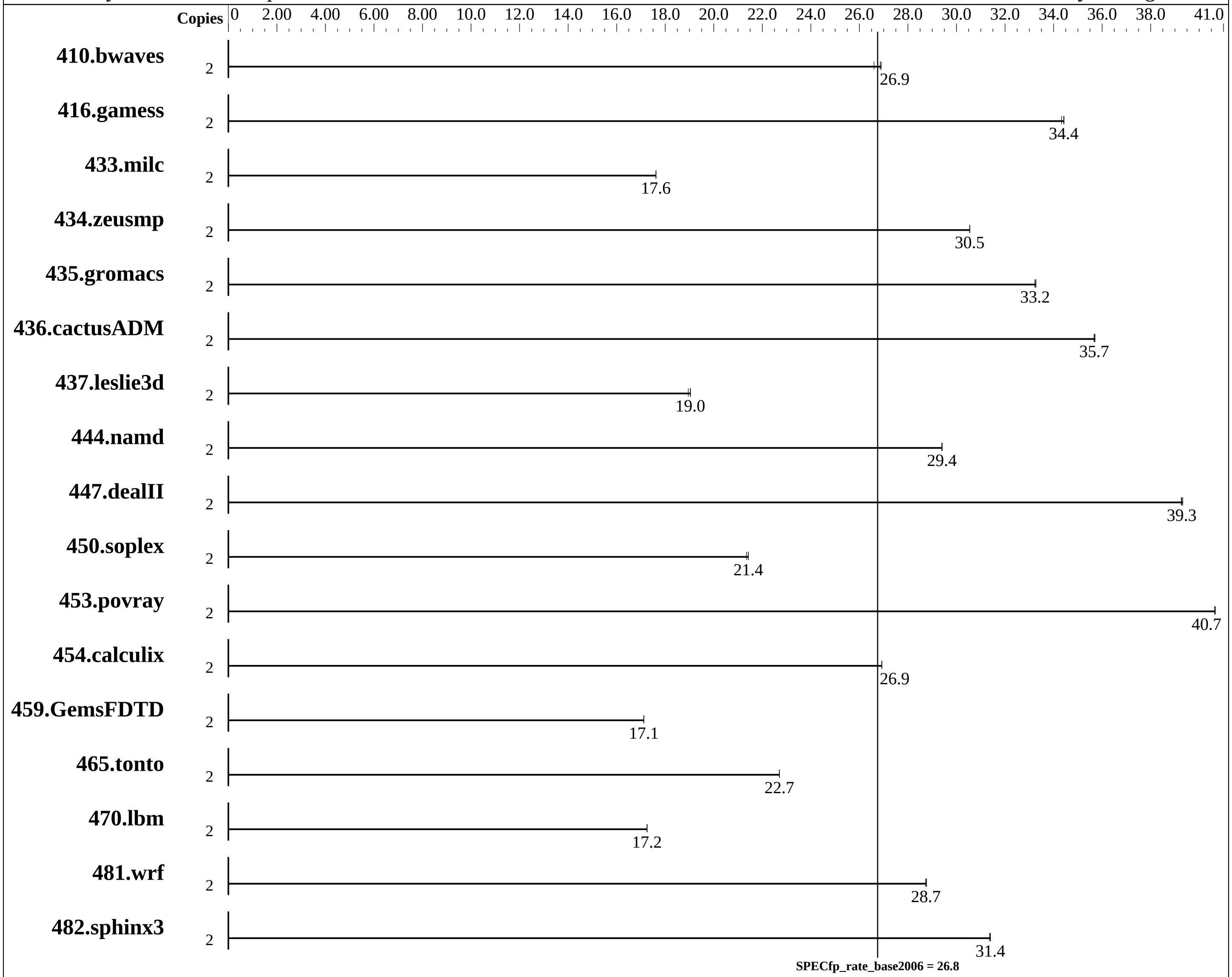
Intel Corporation

Intel DG965WH motherboard
(2.93 GHz, Intel Core 2 Extreme processor
X6800)

SPECfp®_rate2006 = Not Run

SPECfp_rate_base2006 = 26.8

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



Hardware

CPU Name:	Intel Core 2 Extreme X6800
CPU Characteristics:	2.93 GHz, 1066 MHz bus
CPU MHz:	2933
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 SP2 32-bit
Compiler:	Intel C++ and Fortran Compiler 9.1 for IA32 Build 20060816Z Microsoft Visual Studio .Net 2003 (for libraries) SmartHeap Library Version 8.0 from http://www.microquill.com/
Auto Parallel:	No
File System:	NTFS
System State:	Default

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L3 Cache: None
Other Cache: None
Memory: 2 GB (2 1GB Corsair TWIN2X2048-8500C5 DDR2 1066 CL5-5-5)
Disk Subsystem: Maxtor DiamondMax 10 6B300S0 300GB NCQ Serial ATA (7200 RPM, 16MB cache)
Other Hardware: None

Base Pointers: 32-bit
Peak Pointers: Not Applicable
Other Software: None

Results Table

	Base							Peak						
Benchmark	**Copies**	**Seconds**	**Ratio**	**Seconds**	**Ratio**	**Seconds**	**Ratio**	**Copies**	**Seconds**	**Ratio**	**Seconds**	**Ratio**	**Seconds**	**Ratio**
410.bwaves	2	1022	26.6	**1012**	**26.9**	1010	26.9							
416.gamess	2	1141	34.3	**1138**	**34.4**	1137	34.4							
433.milc	2	1042	17.6	1042	17.6	**1042**	**17.6**							
434.zeusmp	2	596	30.5	**596**	**30.5**	596	30.5							
435.gromacs	2	429	33.3	**430**	**33.2**	430	33.2							
436.cactusADM	2	670	35.7	669	35.7	**670**	**35.7**							
437.leslie3d	2	992	18.9	**988**	**19.0**	987	19.0							
444.namd	2	546	29.4	545	29.4	**546**	**29.4**							
447.dealII	2	583	39.3	**582**	**39.3**	582	39.3							
450.soplex	2	781	21.3	778	21.4	**778**	**21.4**							
453.povray	2	**262**	**40.7**	262	40.6	262	40.7							
454.calculix	2	**613**	**26.9**	613	26.9	613	26.9							
459.GemsFDTD	2	1240	17.1	**1240**	**17.1**	1239	17.1							
465.tonto	2	867	22.7	867	22.7	**867**	**22.7**							
470.lbm	2	1593	17.3	**1593**	**17.2**	1593	17.2							
481.wrf	2	777	28.8	**777**	**28.7**	777	28.7							
482.sphinx3	2	1242	31.4	1243	31.4	**1242**	**31.4**							

Results appear in the order in which they were run. Bold underlined text indicates a median measurement.

General Notes

```
Memory timings set manually to DDR2-800 5-5-5-15 in the bios
```

Base Compiler Invocation

C benchmarks:
```
icl -Qvc7.1 -Qc99
```

C++ benchmarks:
```
icl -Qvc7.1
```

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Base Compiler Invocation (Continued)

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.20090715.03.html

You can also download the XML flags source by saving the following link:
http://www.spec.org/cpu2006/flags/Intel-ic91-flags.20090715.03.xml

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

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