



SPEC® CFP2006 Result

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Dell Inc.
(Test Sponsor: Intel Corporation)

SPECfp®2006 = 10.1

XPS M1710 (Intel Core Duo T2600) SPECfp_base2006 = 9.91

CPU2006 license: 13

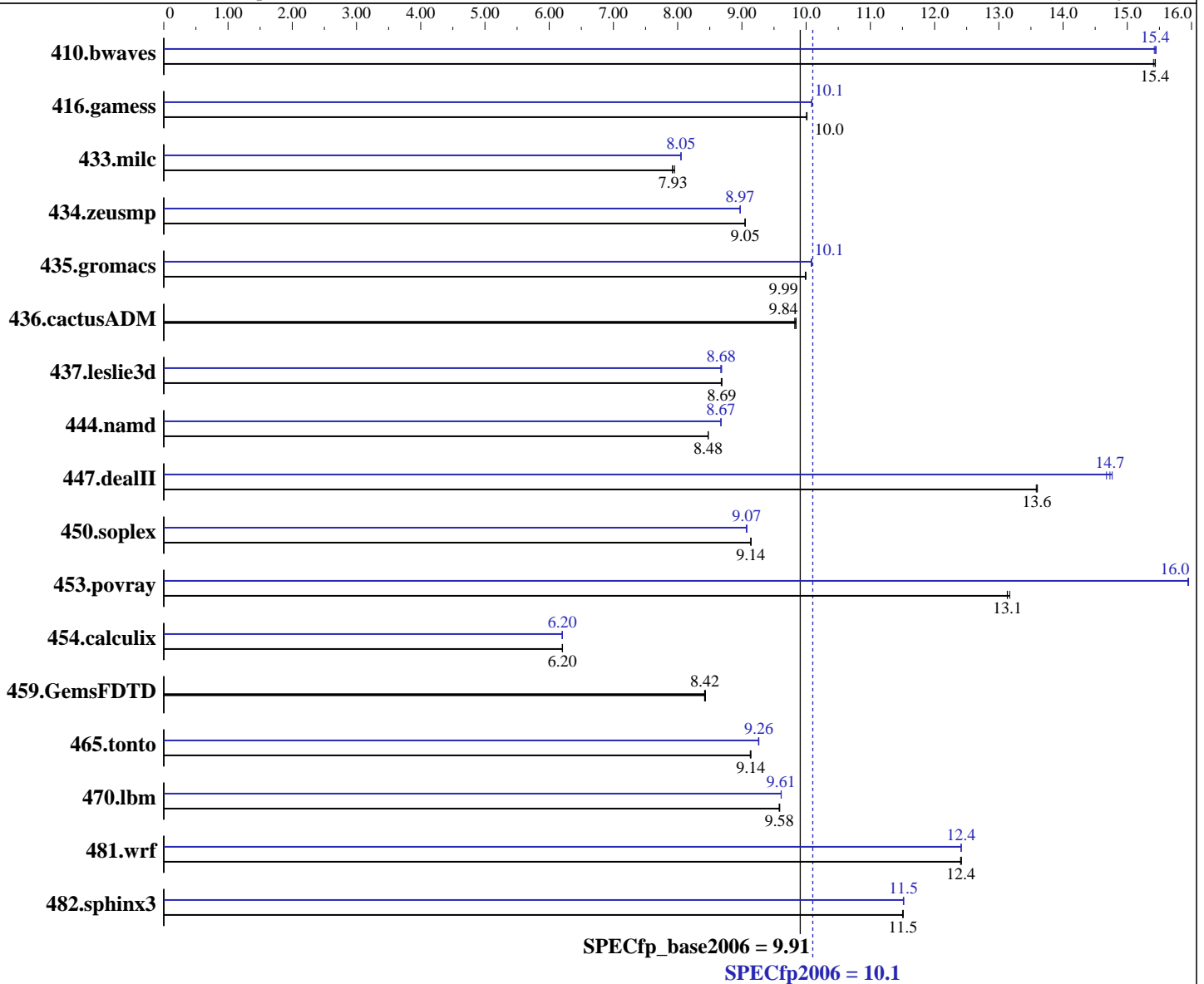
Test sponsor: Intel Corporation

Tested by: Intel Corporation

Test date: Jul-2007

Hardware Availability: Jul-2007

Software Availability: May-2007



Hardware

CPU Name: Intel Core Duo T2600
 CPU Characteristics:
 CPU MHz: 2167
 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: 2 MB I+D on chip per chip

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Software

Operating System: Windows Vista Ultimate (32-bit)
 Compiler: Intel C++ and Fortran Compiler for IA32 version 10.0
 Build 20070426 Package ID: W_CC_P_10.0.025
 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 (2x1GB Qimonda DDR2-667 CL5)
Disk Subsystem: 100GB SATA, 7200 RPM
Other Hardware: None

Peak Pointers: 32-bit
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	880	15.4	881	15.4	882	15.4	881	15.4	880	15.5	880	15.4
416.gamess	1955	10.0	1957	10.0	1956	10.0	1941	10.1	1941	10.1	1941	10.1
433.milc	1154	7.95	1159	7.92	1158	7.93	1140	8.05	1140	8.05	1140	8.05
434.zeusmp	1005	9.05	1006	9.05	1005	9.06	1014	8.97	1014	8.97	1014	8.97
435.gromacs	715	9.99	715	9.99	714	10.0	708	10.1	708	10.1	708	10.1
436.cactusADM	1217	9.82	1215	9.84	1214	9.85	1217	9.82	1215	9.84	1214	9.85
437.leslie3d	1082	8.69	1083	8.68	1082	8.69	1082	8.69	1083	8.68	1084	8.67
444.namd	946	8.48	947	8.47	946	8.48	925	8.67	925	8.67	925	8.67
447.dealII	842	13.6	842	13.6	841	13.6	777	14.7	775	14.8	779	14.7
450.soplex	913	9.14	912	9.14	913	9.14	919	9.07	919	9.08	919	9.07
453.povray	404	13.2	405	13.1	405	13.1	333	16.0	334	15.9	333	16.0
454.calculix	1330	6.20	1330	6.20	1329	6.21	1330	6.20	1330	6.20	1330	6.20
459.GemsFDTD	1260	8.42	1260	8.42	1258	8.43	1260	8.42	1260	8.42	1258	8.43
465.tonto	1077	9.14	1078	9.13	1077	9.14	1063	9.26	1062	9.26	1062	9.26
470.lbm	1434	9.58	1434	9.58	1433	9.59	1430	9.61	1429	9.61	1430	9.61
481.wrf	900	12.4	900	12.4	899	12.4	900	12.4	900	12.4	900	12.4
482.sphinx3	1695	11.5	1693	11.5	1693	11.5	1693	11.5	1692	11.5	1692	11.5

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

General Notes

nVidia GeForce Go 7900 discrete graphics card
Binaries were built on Windows XP Professional SP2

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:

-QxP -Qipo -O3 -Qprec-div- /F950000000 shlw32m.lib
-link /FORCE:MULTIPLE

C++ benchmarks:

-QxP -Qipo -O3 -Qprec-div- -Qcxx_features /F950000000 shlw32m.lib
-link /FORCE:MULTIPLE

Fortran benchmarks:

-QxP -Qipo -O3 -Qprec-div- /F950000000

Benchmarks using both Fortran and C:

-QxP -Qipo -O3 -Qprec-div- /F950000000

Peak Compiler Invocation

C benchmarks:

icl -Qvc7.1 -Qc99

C++ benchmarks:

icl -Qvc7.1

Fortran benchmarks:

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Benchmarks using both Fortran and C:

icl -Qvc7.1 -Qc99 ifort

Peak 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

Peak Optimization Flags

C benchmarks:

433.milc: -Qprof_gen(pass 1) -Qprof_use(pass 2) -QxP -Qipo -O3
 -Qprec-div- -Qunroll2 -Oa /F950000000 shlw32m.lib
 -link /FORCE:MULTIPLE

470.lbm: -Qprof_gen(pass 1) -Qprof_use(pass 2) -QxP -Qipo -O3
 -Qprec-div- -Qunroll2 -Qscalar-rep- -Qprefetch /F950000000
 shlw32m.lib -link /FORCE:MULTIPLE

482.sphinx3: -Qprof_gen(pass 1) -Qprof_use(pass 2) -QxP -Qipo -O3
 -Qprec-div- -Qunroll2 /F950000000 shlw32m.lib
 -link /FORCE:MULTIPLE

C++ benchmarks:

444.namd: -Qprof_gen(pass 1) -Qprof_use(pass 2) -QxP -Qipo -O3
 -Qprec-div- -Oa -Qcxx_features /F950000000 shlw32m.lib
 -link /FORCE:MULTIPLE

447.dealII: -Qprof_gen(pass 1) -Qprof_use(pass 2) -QxP -Qipo -O3
 -Qprec-div- -Qprefetch -Qcxx_features /F950000000
 shlw32m.lib -link /FORCE:MULTIPLE

450.soplex: -Qprof_gen(pass 1) -Qprof_use(pass 2) -QxP -Qipo -O3
 -Qprec-div- -Qcxx_features /F950000000 shlw32m.lib
 -link /FORCE:MULTIPLE

453.povray: -Qprof_gen(pass 1) -Qprof_use(pass 2) -QxP -Qipo -O3
 -Qprec-div- -Qansi-alias -Qcxx_features /F950000000
 shlw32m.lib -link /FORCE:MULTIPLE

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Peak Optimization Flags (Continued)

Fortran benchmarks:

410.bwaves: -QxP -Qipo -O3 -Qprec-div- /F950000000

416.gamess: -Qprof_gen(pass 1) -Qprof_use(pass 2) -QxP -Qipo -O3
-Qprec-div- -Qunroll2 -Ob0 -Qansi-alias -Qscalar-rep-
/F950000000

434.zeusmp: -Qprof_gen(pass 1) -Qprof_use(pass 2) -QxP -O2 -Qprec_div-
-Qunroll10 -Qscalar-rep- /F950000000

437.leslie3d: -Qprof_gen(pass 1) -Qprof_use(pass 2) -QxP -Qipo -O3
-Qprec-div- /F950000000

459.GemsFDTD: basepeak = yes

465.tonto: Same as 437.leslie3d

Benchmarks using both Fortran and C:

435.gromacs: -Qprof_gen(pass 1) -Qprof_use(pass 2) -QxP -Qipo -O3
-Qprec-div- -Oa /F950000000

436.cactusADM: basepeak = yes

454.calculix: -QxP -Qipo -O3 -Qprec-div- /F950000000

481.wrf: Same as 454.calculix

The flags file that was used to format this result can be browsed at

<http://www.spec.org/cpu2006/flags/Intel-ic10-ia32-intel64-linux-flags.20090714.47.html>

You can also download the XML flags source by saving the following link:

<http://www.spec.org/cpu2006/flags/Intel-ic10-ia32-intel64-linux-flags.20090714.47.xml>

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

Tested with SPEC CPU2006 v1.0.

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