



SPEC® CFP2006 Result

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Dell Inc.
(Test Sponsor: Intel Corporation)

SPECfp®2006 = 13.5

XPS M1710 (Intel Core 2 Duo T7600)

SPECfp_base2006 = 13.0

CPU2006 license: 13

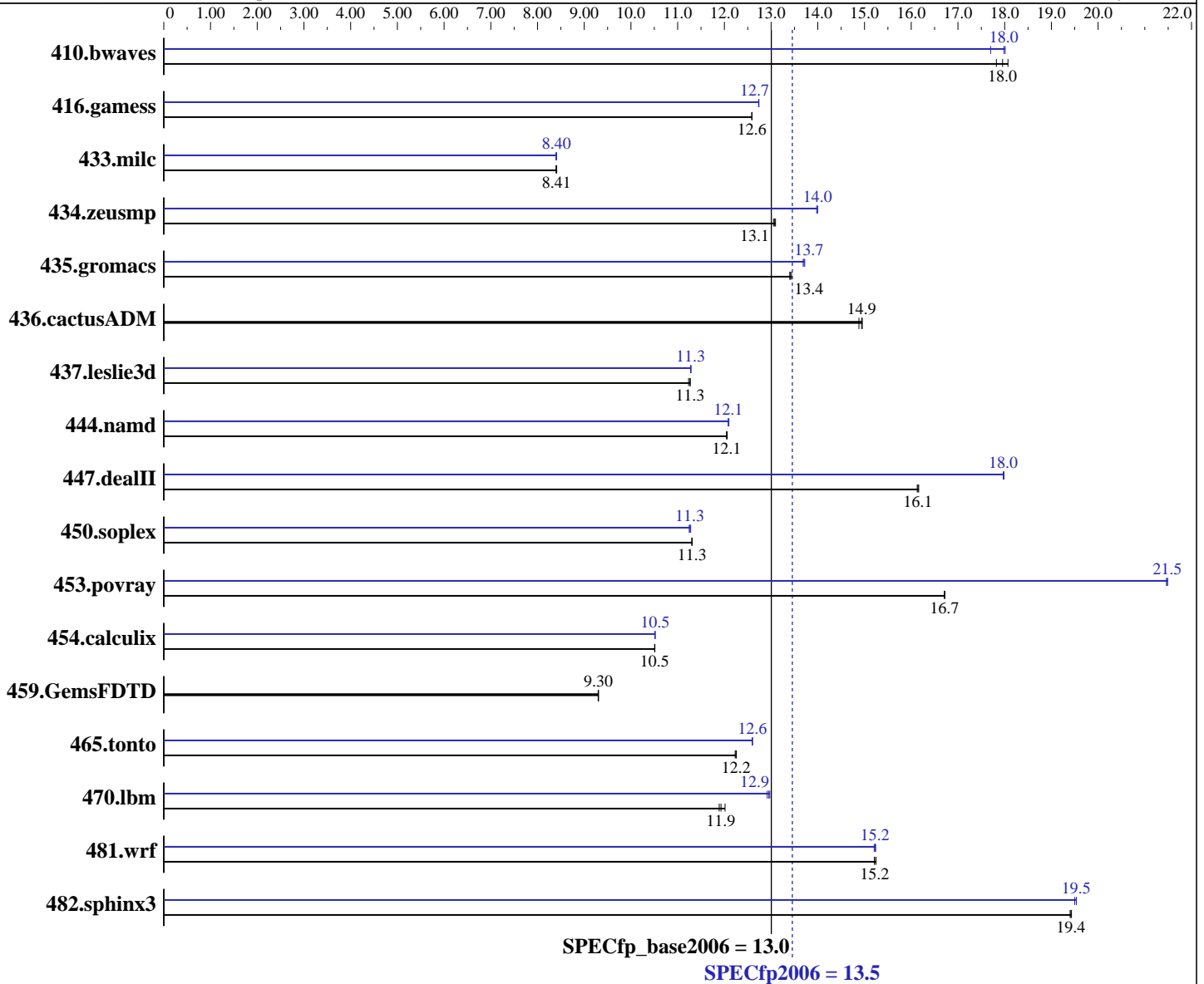
Test date: Jul-2007

Test sponsor: Intel Corporation

Hardware Availability: Jul-2007

Tested by: Intel Corporation

Software Availability: May-2007



Hardware

CPU Name: Intel Core 2 Duo T7600
 CPU Characteristics: 2333
 CPU MHz: 2333
 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 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 Hynix 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	752	18.1	757	18.0	763	17.8	755	18.0	768	17.7	756	18.0
416.gamess	1555	12.6	1555	12.6	1556	12.6	1537	12.7	1537	12.7	1538	12.7
433.milc	1091	8.41	1092	8.41	1094	8.39	1094	8.39	1092	8.41	1092	8.40
434.zeusmp	695	13.1	696	13.1	697	13.1	651	14.0	650	14.0	650	14.0
435.gromacs	531	13.4	533	13.4	533	13.4	521	13.7	520	13.7	522	13.7
436.cactusADM	800	14.9	803	14.9	799	15.0	800	14.9	803	14.9	799	15.0
437.leslie3d	834	11.3	837	11.2	835	11.3	833	11.3	833	11.3	833	11.3
444.namd	666	12.0	665	12.1	665	12.1	664	12.1	663	12.1	663	12.1
447.dealII	709	16.1	708	16.2	709	16.1	637	18.0	637	18.0	636	18.0
450.soplex	737	11.3	738	11.3	737	11.3	739	11.3	741	11.3	742	11.2
453.povray	318	16.7	318	16.7	318	16.7	248	21.5	248	21.5	248	21.5
454.calculix	785	10.5	785	10.5	785	10.5	784	10.5	784	10.5	785	10.5
459.GemsFDTD	1140	9.31	1141	9.30	1141	9.30	1140	9.31	1141	9.30	1141	9.30
465.tonto	805	12.2	803	12.3	803	12.2	781	12.6	781	12.6	781	12.6
470.lbm	1156	11.9	1144	12.0	1152	11.9	1059	13.0	1064	12.9	1061	12.9
481.wrf	734	15.2	733	15.2	734	15.2	735	15.2	733	15.2	734	15.2
482.sphinx3	1005	19.4	1004	19.4	1003	19.4	998	19.5	1000	19.5	998	19.5

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

General Notes

nVidia GeForce Go 7950 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:

-fast /F950000000 shlw32m.lib -link /FORCE:MULTIPLE

C++ benchmarks:

-fast -Qcxx_features /F950000000 shlw32m.lib
-link /FORCE:MULTIPLE

Fortran benchmarks:

-fast /F950000000

Benchmarks using both Fortran and C:

-fast /F950000000

Peak Compiler Invocation

C benchmarks:

icl -Qvc7.1 -Qc99

C++ benchmarks:

icl -Qvc7.1

Fortran benchmarks:

ifort

Benchmarks using both Fortran and C:

icl -Qvc7.1 -Qc99 ifort



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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) -fast -Qunroll2 -Oa
 /F950000000 shlw32m.lib -link /FORCE:MULTIPLE

470.lbm: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -Qunroll2
 -Qscalar-rep- -Qprefetch /F950000000 shlw32m.lib
 -link /FORCE:MULTIPLE

482.sphinx3: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -Qunroll2
 /F950000000 shlw32m.lib -link /FORCE:MULTIPLE

C++ benchmarks:

444.namd: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -Oa
 -Qcxx_features /F950000000 shlw32m.lib
 -link /FORCE:MULTIPLE

447.dealII: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -Qprefetch
 -Qcxx_features /F950000000 shlw32m.lib
 -link /FORCE:MULTIPLE

450.soplex: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -Qcxx_features
 /F950000000 shlw32m.lib -link /FORCE:MULTIPLE

453.povray: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -Qansi-alias
 -Qcxx_features /F950000000 shlw32m.lib
 -link /FORCE:MULTIPLE

Fortran benchmarks:

410.bwaves: -fast /F950000000

416.gamess: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -Qunroll2 -Ob0
 -Qansi-alias -Qscalar-rep- /F950000000

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

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Peak Optimization Flags (Continued)

437.leslie3d: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast /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) -fast -Oa
/F950000000

436.cactusADM: basepeak = yes

454.calculix: -fast /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.

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