



SPEC® CFP2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

Intel Corporation
Lenovo Thinkpad T400

SPECfp®_rate2006 = 28.8

SPECfp_rate_base2006 = 27.3

CPU2006 license: 13

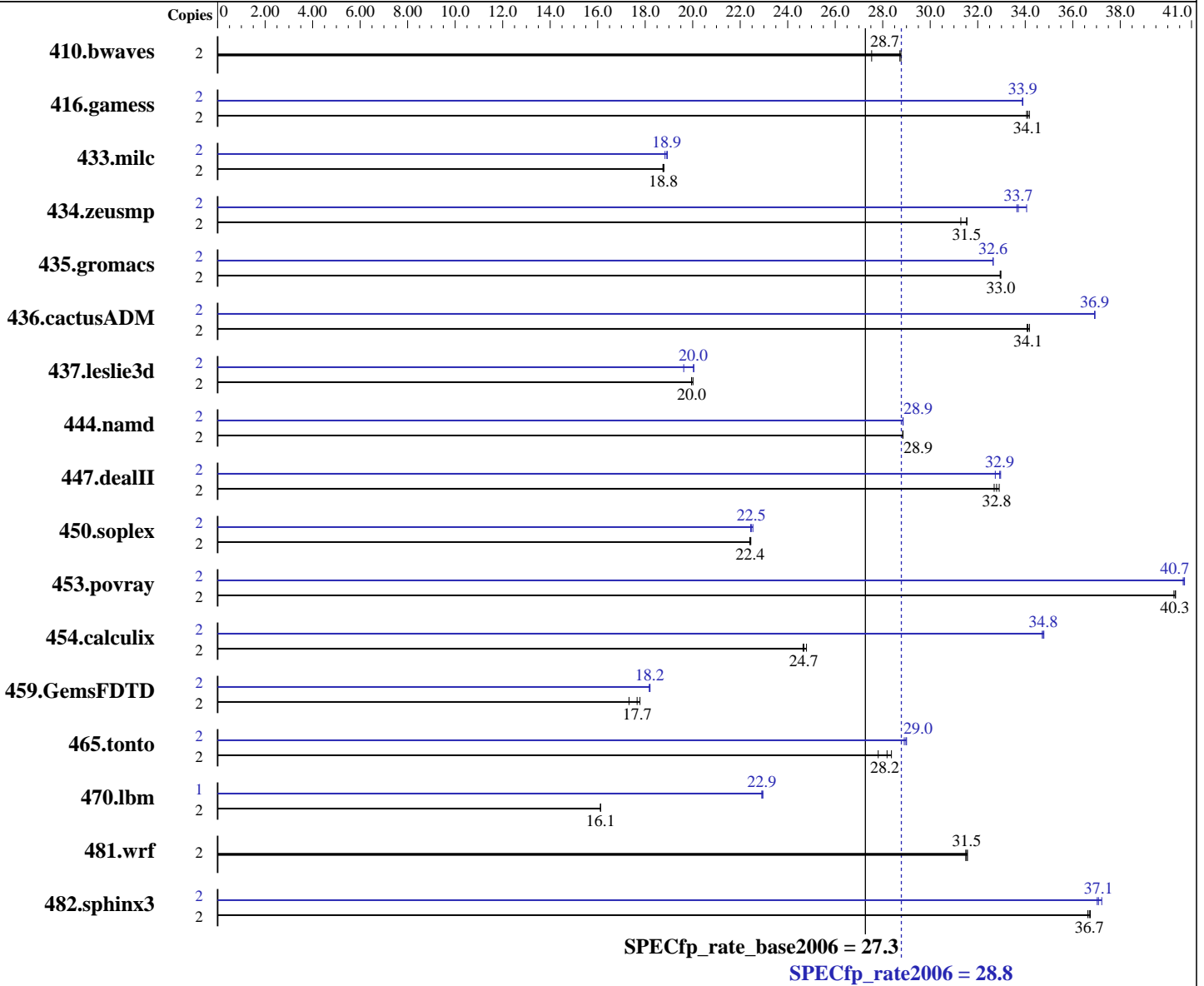
Test sponsor: Intel Corporation

Tested by: Intel Corporation

Test date: Aug-2008

Hardware Availability: Sep-2008

Software Availability: Nov-2007



Hardware

CPU Name: Intel Core 2 Duo T9600
 CPU Characteristics:
 CPU MHz: 2800
 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: 6 MB I+D on chip per chip

Continued on next page

Software

Operating System: Windows XP Professional SP2
 Compiler: Intel C++ Compiler for IA32 version 10.1
 Build 20070913 Package ID: w_cc_p_10.1.011
 Intel Fortran Compiler for IA32 version 10.1
 Build 20070913 Package ID: w_fc_p_10.1.011
 Microsoft Visual Studio 2005 SP1 (for libraries)
 Auto Parallel: No
 File System: NTFS
 System State: Default

Continued on next page



SPEC CFP2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

Intel Corporation
Lenovo Thinkpad T400

SPECfp_rate2006 = 28.8

SPECfp_rate_base2006 = 27.3

CPU2006 license: 13
Test sponsor: Intel Corporation
Tested by: Intel Corporation

Test date: Aug-2008
Hardware Availability: Sep-2008
Software Availability: Nov-2007

L3 Cache: None
Other Cache: None
Memory: 2 GB (2x1GB Micron PC3-8500 DDR3-1066 CL7)
Disk Subsystem: Hitachi Travelstar HTS722020K9SA00 SATA 200GB 7200RPM
Other Hardware: None

Base Pointers: 32-bit
Peak Pointers: 32-bit
Other Software: SmartHeap Library Version 8.1 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	987	27.5	946	28.7	945	28.8	2	987	27.5	946	28.7	945	28.8		
416.gamess	2	1150	34.1	1146	34.2	1148	34.1	2	1156	33.9	1155	33.9	1155	33.9		
433.milc	2	977	18.8	979	18.8	979	18.7	2	971	18.9	975	18.8	970	18.9		
434.zeusmp	2	577	31.5	577	31.5	582	31.3	2	541	33.6	534	34.1	540	33.7		
435.gromacs	2	433	33.0	433	32.9	433	33.0	2	437	32.6	437	32.6	437	32.6		
436.cactusADM	2	699	34.2	701	34.1	701	34.1	2	647	36.9	647	36.9	647	36.9		
437.leslie3d	2	939	20.0	942	20.0	942	20.0	2	938	20.0	958	19.6	939	20.0		
444.namd	2	556	28.9	556	28.8	556	28.9	2	556	28.9	556	28.9	556	28.9		
447.dealII	2	700	32.7	695	32.9	698	32.8	2	699	32.7	694	33.0	695	32.9		
450.soplex	2	744	22.4	743	22.4	744	22.4	2	743	22.4	740	22.5	742	22.5		
453.povray	2	264	40.3	264	40.3	264	40.3	2	262	40.6	261	40.7	262	40.7		
454.calculix	2	666	24.8	669	24.6	669	24.7	2	475	34.8	474	34.8	475	34.7		
459.GemsFDTD	2	1193	17.8	1202	17.7	1225	17.3	2	1168	18.2	1166	18.2	1166	18.2		
465.tonto	2	694	28.4	698	28.2	708	27.8	2	679	29.0	681	28.9	679	29.0		
470.lbm	2	1705	16.1	1704	16.1	1705	16.1	1	600	22.9	600	22.9	599	23.0		
481.wrf	2	708	31.6	708	31.5	709	31.5	2	708	31.6	708	31.5	709	31.5		
482.sphinx3	2	1061	36.7	1062	36.7	1064	36.6	2	1047	37.2	1051	37.1	1053	37.0		

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

General Notes

Binaries were built on Windows Vista32
The following VS 2005 SP1 updates were applied: KB926601 and KB932232

Base Compiler Invocation

C benchmarks:
icl -Qvc8 -Qc99

C++ benchmarks:
icl -Qvc8

Continued on next page



SPEC CFP2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

Intel Corporation
Lenovo Thinkpad T400

SPECfp_rate2006 = 28.8

SPECfp_rate_base2006 = 27.3

CPU2006 license: 13
Test sponsor: Intel Corporation
Tested by: Intel Corporation

Test date: Aug-2008
Hardware Availability: Sep-2008
Software Availability: Nov-2007

Base Compiler Invocation (Continued)

Fortran benchmarks:
ifort

Benchmarks using both Fortran and C:
icl -Qvc8 -Qc99 ifort

Base Portability Flags

436.cactusADM: -Qlowercase /assume:underscore
444.namd: -TP
447.dealII: -DDEAL_II_MEMBER_VAR_SPECIALIZATION_BUG
453.povray: -DSPEC_CPU_WINDOWS_ICL
454.calculix: -DSPEC_CPU_NOZMODIFIER -Qlowercase
481.wrf: -DSPEC_CPU_WINDOWS_ICL

Base Optimization Flags

C benchmarks:
-fast /F1000000000
C++ benchmarks:
-fast -Qcxx_features /F1000000000 shlw32m.lib
-link /FORCE:MULTIPLE
Fortran benchmarks:
-fast /F1000000000
Benchmarks using both Fortran and C:
-fast /F1000000000

Peak Compiler Invocation

C benchmarks:
icl -Qvc8 -Qc99
C++ benchmarks:
icl -Qvc8
Fortran benchmarks:
ifort
Benchmarks using both Fortran and C:
icl -Qvc8 -Qc99 ifort



SPEC CFP2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

Intel Corporation
Lenovo Thinkpad T400

SPECfp_rate2006 = 28.8

SPECfp_rate_base2006 = 27.3

CPU2006 license: 13
Test sponsor: Intel Corporation
Tested by: Intel Corporation

Test date: Aug-2008
Hardware Availability: Sep-2008
Software Availability: Nov-2007

Peak Portability Flags

436.cactusADM: -Qlowercase /assume:underscore
444.namd: -TP
447.dealII: -DDEAL_II_MEMBER_VAR_SPECIALIZATION_BUG
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: -fast -Qunroll2 -Oa /F1000000000
470.lbm: -fast -Qunroll2 -Qscalar-rep- -Qprefetch /F1000000000
482.sphinx3: -fast -Qunroll2 /F1000000000

C++ benchmarks:

444.namd: -fast -Oa -Qcxx_features /F1000000000 shlw32m.lib
-link /FORCE:MULTIPLE
447.dealII: -fast -Qunroll2 -Qprefetch -Qcxx_features /F1000000000
shlw32m.lib -link /FORCE:MULTIPLE
450.soplex: -fast -Qcxx_features /F1000000000 shlw32m.lib
-link /FORCE:MULTIPLE
453.povray: -fast -Qunroll4 -Qansi-alias -Qcxx_features /F1000000000
shlw32m.lib -link /FORCE:MULTIPLE

Fortran benchmarks:

410.bwaves: basepeak = yes
416.gamess: -fast -Qunroll2 -Ob0 -Qansi-alias -Qscalar-rep-
/F1000000000
434.zeusmp: -QxT -O2 -Qprec-div- -Qunroll10 -Qscalar-rep- /F1000000000
437.leslie3d: -fast -Qprefetch /F1000000000
459.GemsFDTD: -fast -Qunroll2 -Ob0 -Qprefetch /F1000000000
465.tonto: -fast -Qunroll4 -Qauto /F1000000000

Benchmarks using both Fortran and C:

Continued on next page



SPEC CFP2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

Intel Corporation
Lenovo Thinkpad T400

SPECfp_rate2006 = 28.8

SPECfp_rate_base2006 = 27.3

CPU2006 license: 13

Test sponsor: Intel Corporation

Tested by: Intel Corporation

Test date: Aug-2008

Hardware Availability: Sep-2008

Software Availability: Nov-2007

Peak Optimization Flags (Continued)

435.gromacs: -fast -Oa -Qprefetch /F1000000000

436.cactusADM: -fast -Qunroll2 -Qprefetch /F1000000000

454.calculix: -fast -Qunroll-aggressive /F1000000000

481.wrf: basepeak = yes

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

<http://www.spec.org/cpu2006/flags/Intel-ic10.1-win32-revC.html>

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

<http://www.spec.org/cpu2006/flags/Intel-ic10.1-win32-revC.xml>

SPEC and SPECfp are registered trademarks of the Standard Performance Evaluation Corporation. All other brand and product names appearing in this result are trademarks or registered trademarks of their respective holders.

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

Tested with SPEC CPU2006 v1.0.
Report generated on Tue Jul 22 18:42:53 2014 by SPEC CPU2006 PS/PDF formatter v6932.
Originally published on 30 September 2008.