



SPEC[®] CFP2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

Itaotec

SPECfp[®]_rate2006 = 40.5

Servidor Itaotec MX221 (Intel Xeon E5320)

SPECfp_rate_base2006 = 40.5

CPU2006 license: 9001

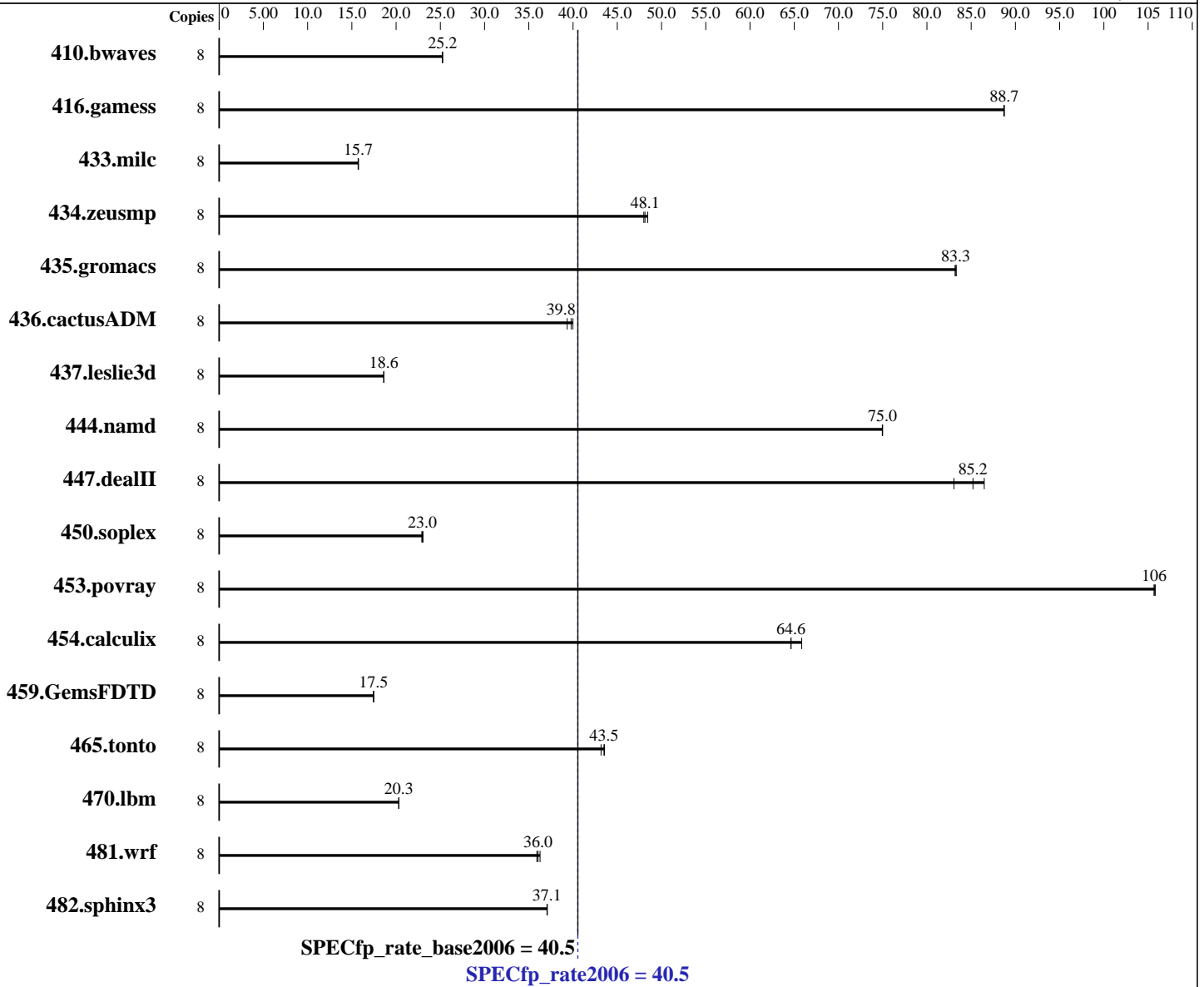
Test sponsor: Itaotec

Tested by: Itaotec

Test date: Feb-2007

Hardware Availability: Feb-2007

Software Availability: May-2006



Hardware

CPU Name: Intel Xeon E5320
 CPU Characteristics: 1066MHz system bus
 CPU MHz: 1860
 FPU: Integrated
 CPU(s) enabled: 8 cores, 2 chips, 4 cores/chip
 CPU(s) orderable: 1-2 chips
 Primary Cache: 32 KB I + 32 KB D on chip per core
 Secondary Cache: 8 MB I+D on chip per chip, 4 MB shared / 2 cores

Continued on next page

Software

Operating System: Windows Server 2003 Enterprise Edition + SP1 (32-bit)
 Compiler: Intel C++ Compiler for IA32 version 9.1
 Package ID W_CC_C_9.1.025 Build no 20060519Z
 Intel Fortran Compiler for IA32 version 9.1
 Package ID W_FC_C_9.1.025 Build no 20060519Z
 Microsoft Visual Studio .NET 2003 7.1.3088 (for libraries)
 Auto Parallel: No
 File System: NTFS

Continued on next page



SPEC CFP2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

Itaotec

SPECfp_rate2006 = 40.5

Servidor Itaotec MX221 (Intel Xeon E5320)

SPECfp_rate_base2006 = 40.5

CPU2006 license: 9001
Test sponsor: Itaotec
Tested by: Itaotec

Test date: Feb-2007
Hardware Availability: Feb-2007
Software Availability: May-2006

L3 Cache: None
Other Cache: None
Memory: 8 GB (8x1GB DDR2-RAM PC2-5300F CAS 5-5-5)
Disk Subsystem: 73 GB SCSI, 10000RPM
Other Hardware: None

System State: Default
Base Pointers: 32-bit
Peak Pointers: 32-bit
Other Software: Microquill SmartHeap Library v.8.0 for SMP

Results Table

Benchmark	Base							Peak						
	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
410.bwaves	8	4310	25.2	4303	25.3	4306	25.2	8	4310	25.2	4303	25.3	4306	25.2
416.gamess	8	1766	88.7	1765	88.7	1765	88.7	8	1766	88.7	1765	88.7	1765	88.7
433.milc	8	4665	15.7	4676	15.7	4667	15.7	8	4665	15.7	4676	15.7	4667	15.7
434.zeusmp	8	1517	48.0	1512	48.1	1503	48.4	8	1517	48.0	1512	48.1	1503	48.4
435.gromacs	8	686	83.3	687	83.2	686	83.3	8	686	83.3	687	83.2	686	83.3
436.cactusADM	8	2403	39.8	2391	40.0	2430	39.3	8	2403	39.8	2391	40.0	2430	39.3
437.leslie3d	8	4038	18.6	4040	18.6	4042	18.6	8	4038	18.6	4040	18.6	4042	18.6
444.namd	8	856	75.0	856	75.0	856	75.0	8	856	75.0	856	75.0	856	75.0
447.dealII	8	1058	86.5	1102	83.1	1074	85.2	8	1058	86.5	1102	83.1	1074	85.2
450.soplex	8	2913	22.9	2905	23.0	2896	23.0	8	2913	22.9	2905	23.0	2896	23.0
453.povray	8	403	106	403	106	402	106	8	403	106	403	106	402	106
454.calculix	8	1021	64.6	1021	64.6	1002	65.8	8	1021	64.6	1021	64.6	1002	65.8
459.GemsFDTD	8	4865	17.4	4861	17.5	4858	17.5	8	4865	17.4	4861	17.5	4858	17.5
465.tonto	8	1810	43.5	1807	43.6	1824	43.2	8	1810	43.5	1807	43.6	1824	43.2
470.lbm	8	5410	20.3	5414	20.3	5414	20.3	8	5410	20.3	5414	20.3	5414	20.3
481.wrf	8	2488	35.9	2479	36.0	2464	36.3	8	2488	35.9	2479	36.0	2464	36.3
482.sphinx3	8	4203	37.1	4207	37.1	4207	37.1	8	4203	37.1	4207	37.1	4207	37.1

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

General Notes

The Servidor Itaotec MX221 and the Servidor Itaotec MX201 are electronically equivalent.

Base Compiler Invocation

C benchmarks:
icl -Qvc7.1 -Qc99

C++ benchmarks:
icl -Qvc7.1

Continued on next page



SPEC CFP2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

Itautec

SPECfp_rate2006 = 40.5

Servidor Itautec MX221 (Intel Xeon E5320)

SPECfp_rate_base2006 = 40.5

CPU2006 license: 9001
Test sponsor: Itautec
Tested by: Itautec

Test date: Feb-2007
Hardware Availability: Feb-2007
Software Availability: May-2006

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 shlSMPMt.lib -link /FORCE:MULTIPLE

C++ benchmarks:
-fast -Qcxx_features /F950000000 shlSMPMt.lib
-link /FORCE:MULTIPLE

Fortran benchmarks:
-fast /F950000000 -link /FORCE:MULTIPLE

Benchmarks using both Fortran and C:
-fast /F950000000 -link /FORCE:MULTIPLE

Peak Optimization Flags

C benchmarks:
433.milc: basepeak = yes
470.lbm: basepeak = yes
482.sphinx3: basepeak = yes

C++ benchmarks:

Continued on next page



SPEC CFP2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

Itautec

SPECfp_rate2006 = 40.5

Servidor Itautec MX221 (Intel Xeon E5320)

SPECfp_rate_base2006 = 40.5

CPU2006 license: 9001
Test sponsor: Itautec
Tested by: Itautec

Test date: Feb-2007
Hardware Availability: Feb-2007
Software Availability: May-2006

Peak Optimization Flags (Continued)

444.namd: basepeak = yes

447.dealII: basepeak = yes

450.soplex: basepeak = yes

453.povray: basepeak = yes

Fortran benchmarks:

410.bwaves: basepeak = yes

416.gamess: basepeak = yes

434.zeusmp: basepeak = yes

437.leslie3d: basepeak = yes

459.GemsFDTD: basepeak = yes

465.tonto: basepeak = yes

Benchmarks using both Fortran and C:

435.gromacs: basepeak = yes

436.cactusADM: basepeak = yes

454.calculix: basepeak = yes

481.wrf: basepeak = yes

The flags file that was used to format this result can be browsed at
<http://www.spec.org/cpu2006/flags/Itautec-ic91-flags.20090714.html>

You can also download the XML flags source by saving the following link:
<http://www.spec.org/cpu2006/flags/Itautec-ic91-flags.20090714.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 10:46:48 2014 by SPEC CPU2006 PS/PDF formatter v6932.
Originally published on 20 March 2007.