



SPEC® CFP2006 Result

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Itautec

SPECfp®_rate2006 = 50.8

Servidor Itautec BX201 (Intel Xeon E5345)

SPECfp_rate_base2006 = 50.8

CPU2006 license: 9001

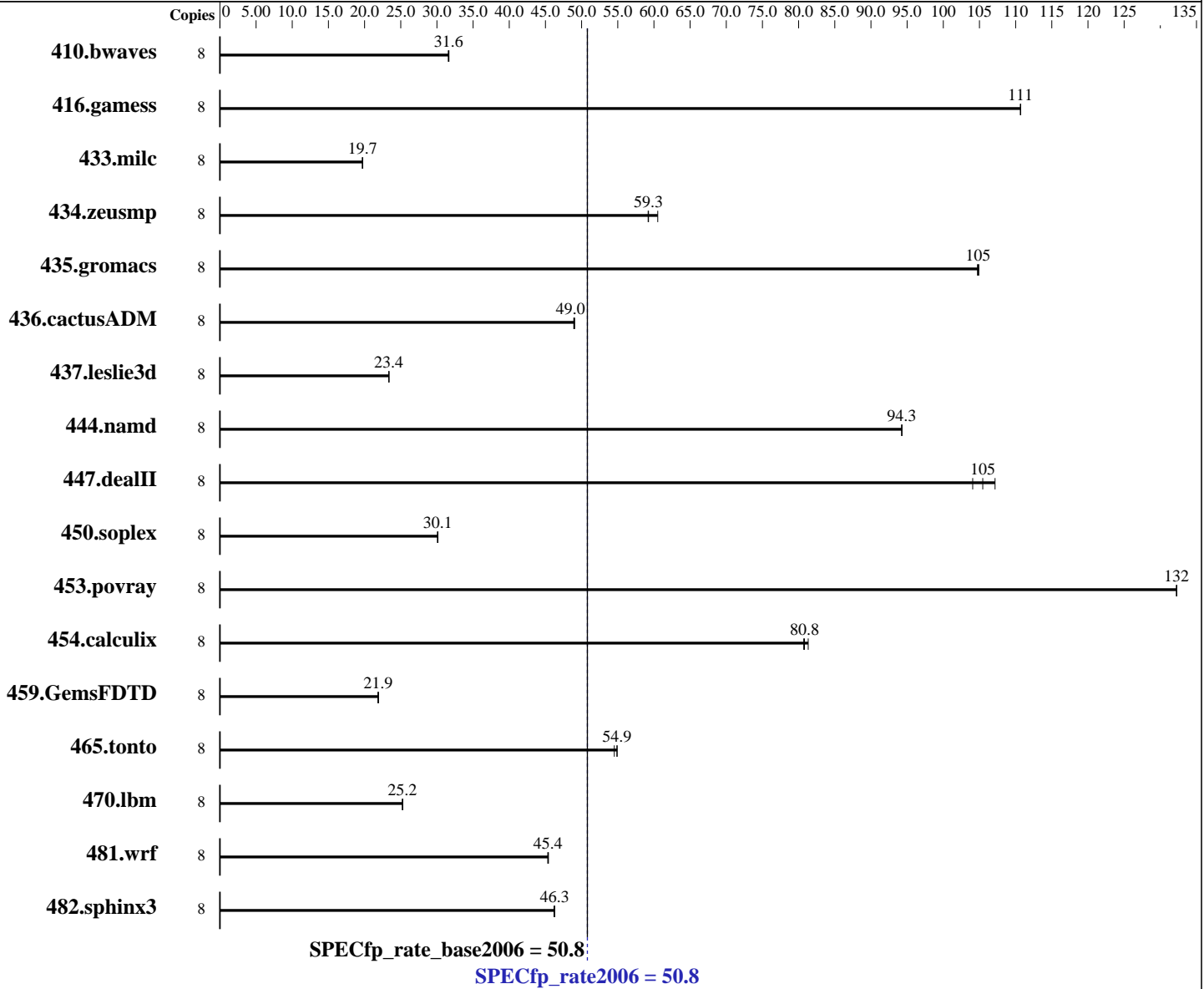
Test sponsor: Itautec

Tested by: Itautec

Test date: Apr-2007

Hardware Availability: May-2007

Software Availability: May-2006



Hardware

CPU Name: Intel Xeon E5345
 CPU Characteristics: 1333MHz system bus
 CPU MHz: 2330
 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

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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 7.1.3088 (for libraries)
 Auto Parallel: No
 File System: NTFS

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L3 Cache: None
Other Cache: None
Memory: 16 GB (8x2GB DDR2-RAM PC2-5300F CAS 5-5-5)
Disk Subsystem: 36 GB SAS, 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	3444	31.6	3438	31.6	3434	31.7	8	3444	31.6	3438	31.6	3434	31.7
416.gamess	8	1415	111	1415	111	1415	111	8	1415	111	1415	111	1415	111
433.milc	8	3725	19.7	3725	19.7	3726	19.7	8	3725	19.7	3725	19.7	3726	19.7
434.zeusmp	8	1229	59.3	1230	59.2	1203	60.5	8	1229	59.3	1230	59.2	1203	60.5
435.gromacs	8	545	105	544	105	545	105	8	545	105	544	105	545	105
436.cactusADM	8	1954	48.9	1953	49.0	1949	49.0	8	1954	48.9	1953	49.0	1949	49.0
437.leslie3d	8	3219	23.4	3219	23.4	3218	23.4	8	3219	23.4	3219	23.4	3218	23.4
444.namd	8	681	94.3	681	94.3	681	94.3	8	681	94.3	681	94.3	681	94.3
447.dealII	8	854	107	879	104	868	105	8	854	107	879	104	868	105
450.soplex	8	2216	30.1	2218	30.1	2214	30.1	8	2216	30.1	2218	30.1	2214	30.1
453.povray	8	322	132	322	132	322	132	8	322	132	322	132	322	132
454.calculix	8	817	80.8	818	80.7	812	81.3	8	817	80.8	818	80.7	812	81.3
459.GemsFDTD	8	3872	21.9	3886	21.8	3877	21.9	8	3872	21.9	3886	21.8	3877	21.9
465.tonto	8	1444	54.5	1433	54.9	1434	54.9	8	1444	54.5	1433	54.9	1434	54.9
470.lbm	8	4354	25.2	4358	25.2	4351	25.3	8	4354	25.2	4358	25.2	4351	25.3
481.wrf	8	1970	45.4	1967	45.4	1971	45.3	8	1970	45.4	1967	45.4	1971	45.3
482.sphinx3	8	3376	46.2	3370	46.3	3368	46.3	8	3376	46.2	3370	46.3	3368	46.3

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

Base 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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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:
444.namd: basepeak = yes
447.dealII: basepeak = yes
450.soplex: basepeak = yes
453.povray: basepeak = yes

Fortran benchmarks:

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Peak Optimization Flags (Continued)

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/Itaotec-ic91-flags.20090714.html>

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

<http://www.spec.org/cpu2006/flags/Itaotec-ic91-flags.20090714.xml>

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For other inquiries, please contact webmaster@spec.org.

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