



SPEC® CFP2006 Result

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Itaotec

SPECfp®_rate2006 = 48.2

Servidor Itaotec LX201 (Intel Xeon E5345)

SPECfp_rate_base2006 = 48.2

CPU2006 license: 9001

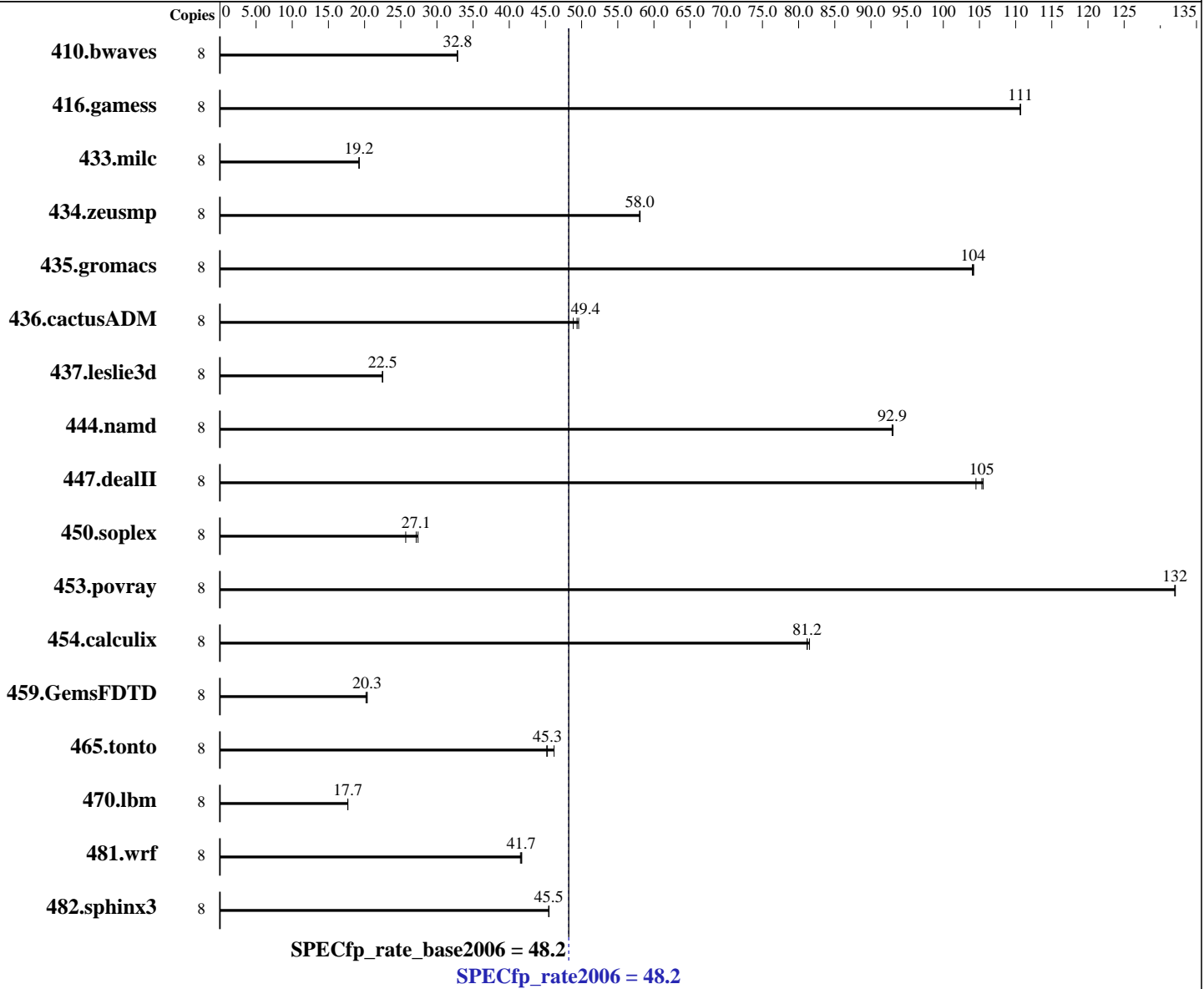
Test sponsor: Itaotec

Tested by: Itaotec

Test date: Feb-2007

Hardware Availability: Feb-2007

Software Availability: May-2006



Hardware

CPU Name: Intel Xeon 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 2003 7.1.3088 (for libraries)
 Auto Parallel: No
 File System: NTFS

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L3 Cache: None
Other Cache: None
Memory: 8 GB (8x1GB DDR2-RAM PC2-5300F CAS 5-5-5)
Disk Subsystem: 120 GB SATA, 7200RPM
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	3314	32.8	3310	32.9	3310	32.8	8	3314	32.8	3310	32.9	3310	32.8
416.gamess	8	1416	111	1415	111	1415	111	8	1416	111	1415	111	1415	111
433.milc	8	3814	19.3	3819	19.2	3817	19.2	8	3814	19.3	3819	19.2	3817	19.2
434.zeusmp	8	1253	58.1	1255	58.0	1254	58.0	8	1253	58.1	1255	58.0	1254	58.0
435.gromacs	8	548	104	549	104	549	104	8	548	104	549	104	549	104
436.cactusADM	8	1957	48.8	1937	49.4	1928	49.6	8	1957	48.8	1937	49.4	1928	49.6
437.leslie3d	8	3348	22.5	3342	22.5	3342	22.5	8	3348	22.5	3342	22.5	3342	22.5
444.namd	8	689	93.1	690	92.9	690	92.9	8	689	93.1	690	92.9	690	92.9
447.dealII	8	869	105	867	106	876	105	8	869	105	867	106	876	105
450.soplex	8	2436	27.4	2459	27.1	2597	25.7	8	2436	27.4	2459	27.1	2597	25.7
453.povray	8	322	132	322	132	322	132	8	322	132	322	132	322	132
454.calculix	8	813	81.2	813	81.2	810	81.5	8	813	81.2	813	81.2	810	81.5
459.GemsFDTD	8	4170	20.4	4204	20.2	4172	20.3	8	4170	20.4	4204	20.2	4172	20.3
465.tonto	8	1743	45.2	1739	45.3	1704	46.2	8	1743	45.2	1739	45.3	1704	46.2
470.lbm	8	6216	17.7	6217	17.7	6216	17.7	8	6216	17.7	6217	17.7	6216	17.7
481.wrf	8	2142	41.7	2145	41.7	2151	41.5	8	2142	41.7	2145	41.7	2151	41.5
482.sphinx3	8	3430	45.5	3427	45.5	3430	45.5	8	3430	45.5	3427	45.5	3430	45.5

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

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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Itautec

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Test sponsor: Itautec

Tested by: Itautec

Test date: Feb-2007

Hardware Availability: Feb-2007

Software Availability: May-2006

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/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>

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

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