



SPEC® CFP2006 Result

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IBM Corporation

SPECfp®_rate2006 = Not Run

IBM System x3400 (Intel Xeon E5335)

SPECfp_rate_base2006 = 48.8

CPU2006 license: 11

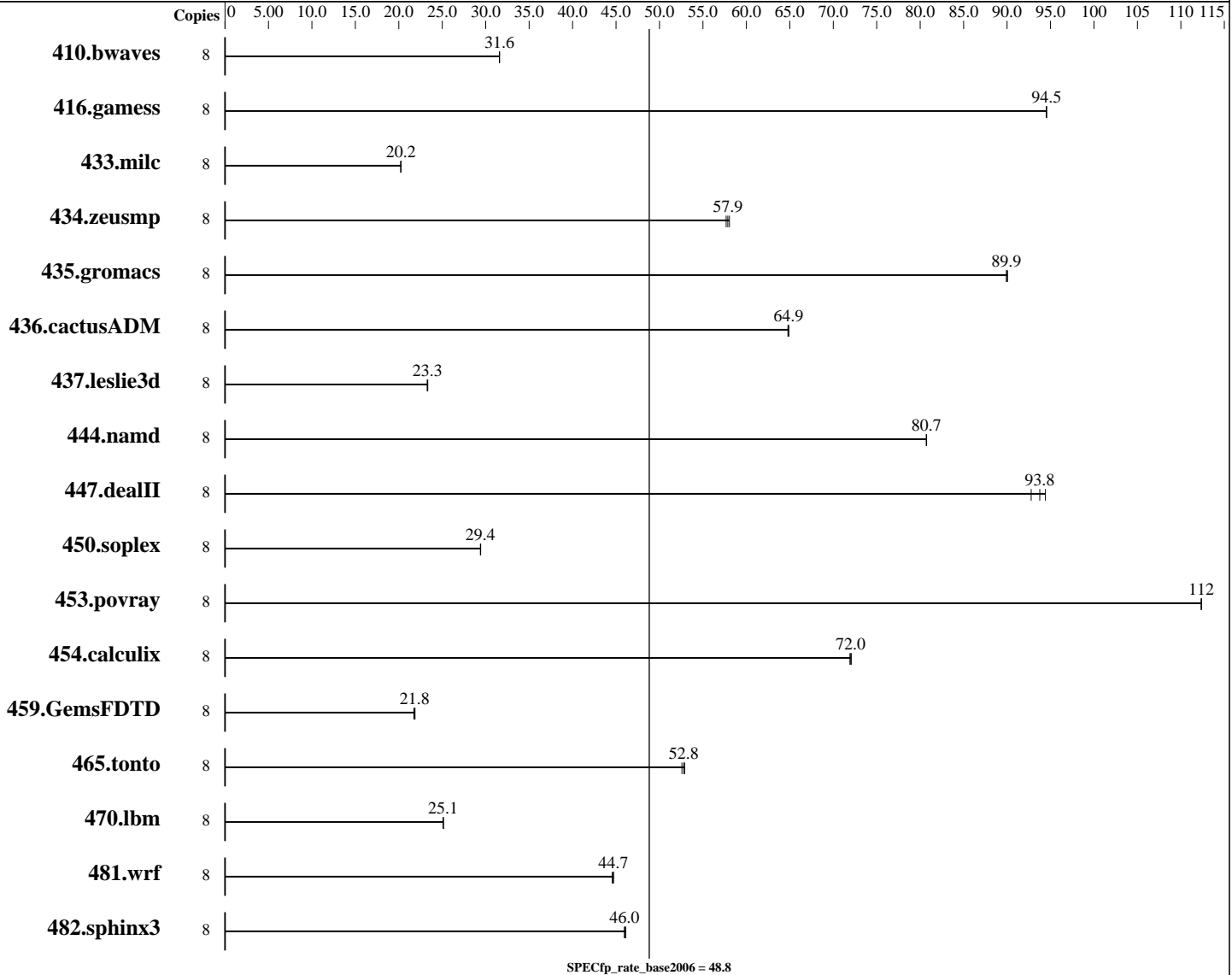
Test sponsor: IBM Corporation

Tested by: IBM Corporation

Test date: Jan-2007

Hardware Availability: Feb-2007

Software Availability: Aug-2006



Hardware

CPU Name: Intel Xeon E5335
 CPU Characteristics: 1066MHz system bus
 CPU MHz: 2000
 FPU: Integrated
 CPU(s) enabled: 8 cores, 2 chips, 4 cores/chip
 CPU(s) orderable: 1 chip
 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: Microsoft Windows Server 2003 Enterprise x64 Edition + SP1 (64-bit)
 Compiler: Intel C++ Compiler for IA32 version 9.1 Build no 20060816
 Intel Fortran Compiler for IA32 version 9.1 Build no 20060816
 Microsoft Visual Studio .Net 2003 (for libraries)
 Auto Parallel: No
 File System: NTFS

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L3 Cache: None
Other Cache: None
Memory: 8 GB (8 x 1GB DDR2-5300F ECC)
Disk Subsystem: 1 x 80 GB SATA, 7200 RPM
Other Hardware: None

System State: Default
Base Pointers: 32-bit
Peak Pointers: Not Applicable
Other Software: Smart Heap Library, Version 8

Results Table

Benchmark	Base							Peak						
	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
410.bwaves	8	3441	31.6	3443	31.6	3443	31.6							
416.gamess	8	1657	94.5	1657	94.5	1657	94.5							
433.milc	8	3628	20.2	3630	20.2	3629	20.2							
434.zeusmp	8	1262	57.7	1254	58.0	1258	57.9							
435.gromacs	8	635	89.9	635	89.9	634	90.1							
436.cactusADM	8	1476	64.8	1474	64.9	1474	64.9							
437.leslie3d	8	3223	23.3	3231	23.3	3229	23.3							
444.namd	8	795	80.7	795	80.7	795	80.7							
447.dealII	8	986	92.8	976	93.8	969	94.4							
450.soplex	8	2267	29.4	2270	29.4	2270	29.4							
453.povray	8	379	112	379	112	379	112							
454.calculix	8	917	72.0	916	72.1	918	71.9							
459.GemsFDTD	8	3882	21.9	3889	21.8	3905	21.7							
465.tonto	8	1491	52.8	1488	52.9	1497	52.6							
470.lbm	8	4375	25.1	4377	25.1	4377	25.1							
481.wrf	8	2006	44.6	1999	44.7	1999	44.7							
482.sphinx3	8	3381	46.1	3392	46.0	3390	46.0							

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

General Notes

This result was measured on an IBM System X 3400. IBM System X 3400 and IBM System X 3500 are electronically equivalent.

Base Compiler Invocation

C benchmarks:
ic1 -Qvc7.1 -Qc99

C++ benchmarks:
ic1 -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 -link /FORCE:MULTIPLE

Benchmarks using both Fortran and C:

-fast /F950000000 -link /FORCE:MULTIPLE

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

<http://www.spec.org/cpu2006/flags/Intel-ic91-flags.20090714.html>

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

<http://www.spec.org/cpu2006/flags/Intel-ic91-flags.20090714.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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