



SPEC[®] CFP2006 Result

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IBM Corporation

SPECfp[®]2006 = Not Run

IBM System x3400 (Intel Xeon E5335)

SPECfp_base2006 = 10.8

CPU2006 license: 11

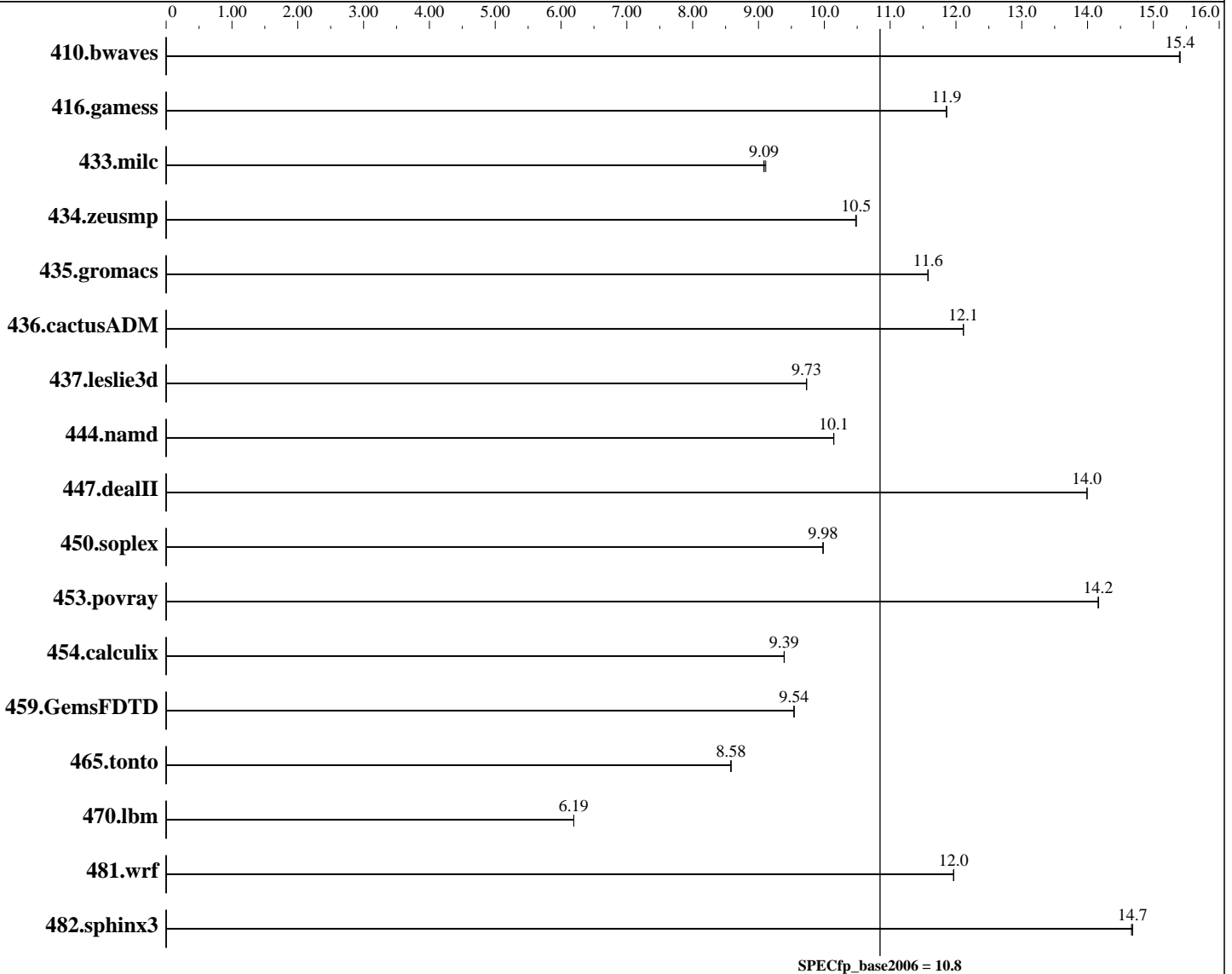
Test sponsor: IBM Corporation

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					
	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
410.bwaves	883	15.4	882	15.4	882	15.4						
416.gamess	1651	11.9	1651	11.9	1651	11.9						
433.milc	1011	9.08	1008	9.11	1010	9.09						
434.zeusmp	868	10.5	869	10.5	868	10.5						
435.gromacs	617	11.6	617	11.6	617	11.6						
436.cactusADM	987	12.1	987	12.1	987	12.1						
437.leslie3d	966	9.73	966	9.73	966	9.73						
444.namd	791	10.1	791	10.1	791	10.1						
447.dealII	818	14.0	818	14.0	818	14.0						
450.soplex	836	9.98	836	9.98	836	9.98						
453.povray	376	14.2	376	14.2	376	14.2						
454.calculix	879	9.39	879	9.39	879	9.39						
459.GemsFDTD	1112	9.54	1112	9.54	1112	9.54						
465.tonto	1146	8.58	1147	8.58	1147	8.58						
470.lbm	2218	6.19	2218	6.19	2218	6.19						
481.wrf	933	12.0	934	12.0	934	12.0						
482.sphinx3	1329	14.7	1328	14.7	1327	14.7						

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:
icl -Qvc7.1 -Qc99

C++ benchmarks:
icl -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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