



SPEC[®] CFP2006 Result

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IBM Corporation

SPECfp[®]2006 = Not Run

IBM System x3550 (Intel Xeon E5335)

SPECfp_base2006 = 11.0

CPU2006 license: 11

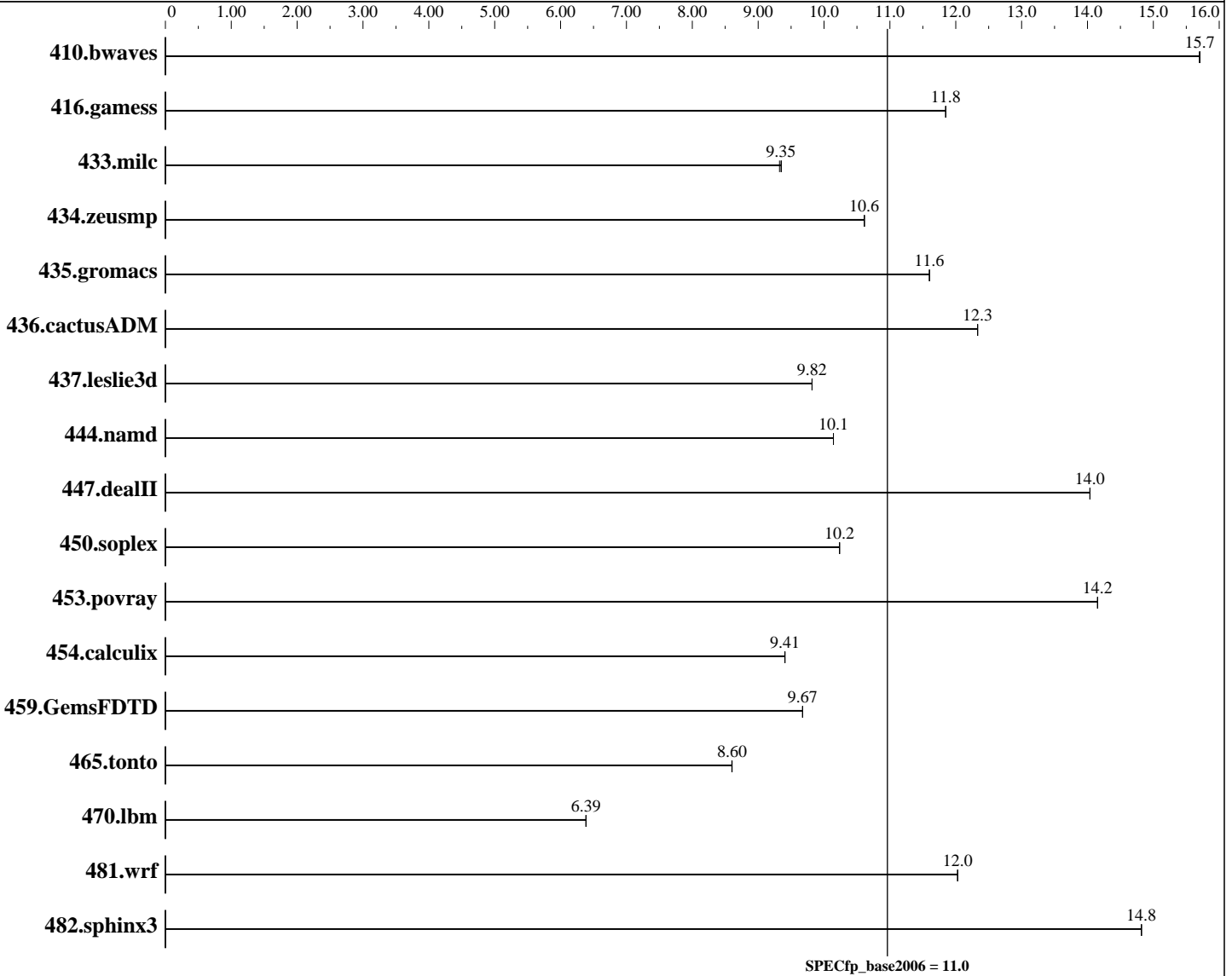
Test sponsor: IBM Corporation

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 73 GB SAS, 10000 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	866	15.7	865	15.7	865	15.7						
416.gamess	1653	11.8	1653	11.8	1652	11.8						
433.milc	982	9.35	982	9.35	985	9.32						
434.zeusmp	857	10.6	858	10.6	858	10.6						
435.gromacs	615	11.6	615	11.6	616	11.6						
436.cactusADM	969	12.3	969	12.3	969	12.3						
437.leslie3d	957	9.82	957	9.82	957	9.82						
444.namd	791	10.1	791	10.1	791	10.1						
447.dealII	815	14.0	815	14.0	815	14.0						
450.soplex	815	10.2	815	10.2	815	10.2						
453.povray	376	14.2	376	14.2	376	14.2						
454.calculix	877	9.41	877	9.41	877	9.41						
459.GemsFDTD	1097	9.67	1097	9.68	1097	9.67						
465.tonto	1144	8.60	1144	8.60	1144	8.60						
470.lbm	2152	6.39	2152	6.39	2152	6.39						
481.wrf	929	12.0	929	12.0	928	12.0						
482.sphinx3	1315	14.8	1315	14.8	1315	14.8						

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.deallI: -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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