



SPEC[®] CFP2006 Result

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SPECfp[®]2006 = **Not Run**

IBM BladeCenter HS21 XM (Intel Xeon 5130)

SPECfp_base2006 = **10.8**

CPU2006 license: 11

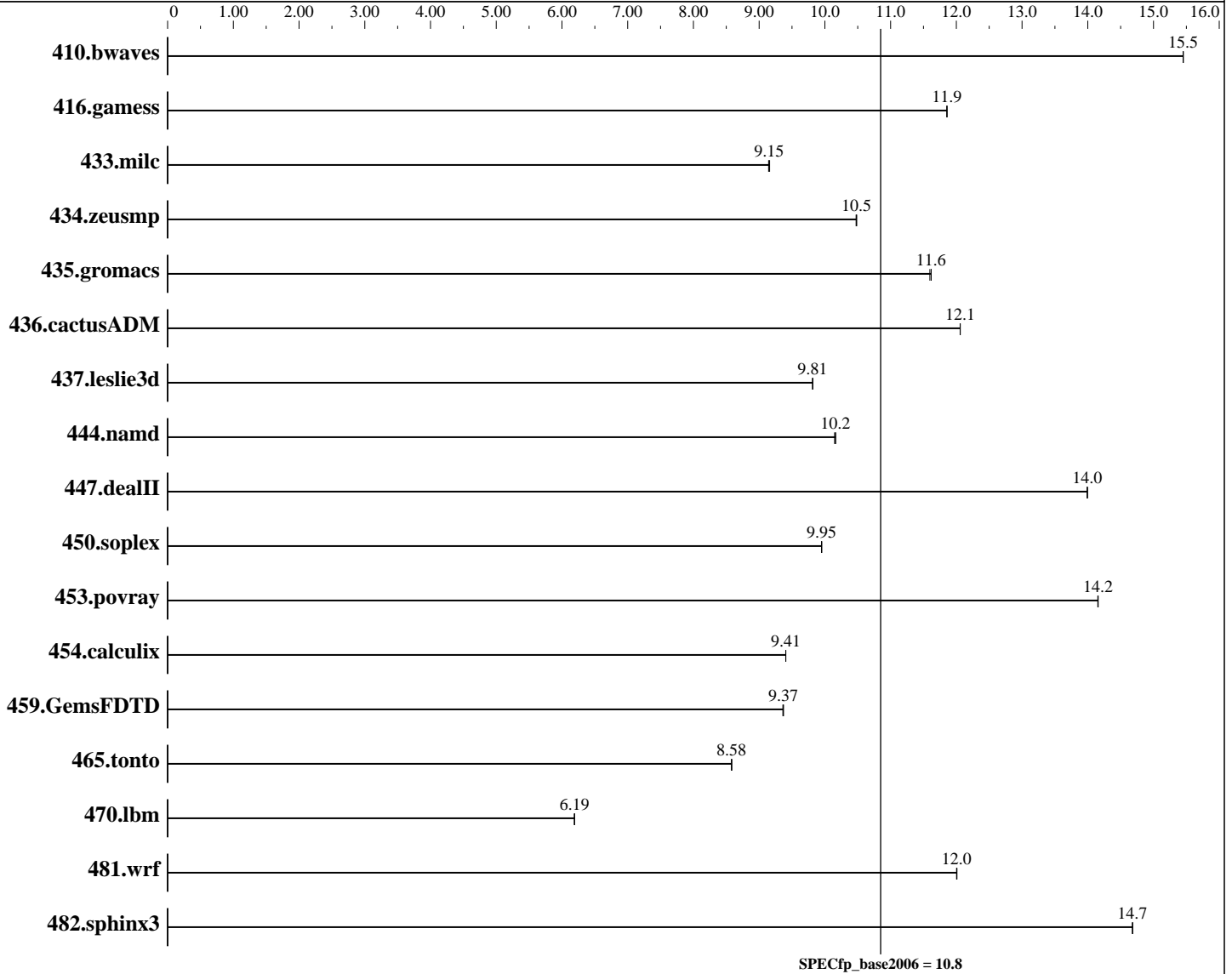
Test sponsor: IBM Corporation

Tested by: IBM Corporation

Test date: Jan-2007

Hardware Availability: Feb-2007

Software Availability: Aug-2006



SPECfp_base2006 = 10.8

Hardware

CPU Name: Intel Xeon 5130
 CPU Characteristics: 1333MHz system bus
 CPU MHz: 2000
 FPU: Integrated
 CPU(s) enabled: 4 cores, 2 chips, 2 cores/chip
 CPU(s) orderable: 1,2 chips
 Primary Cache: 32 KB I + 32 KB D on chip per core
 Secondary Cache: 4 MB I+D on chip per chip

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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: 16 GB (8 x 2GB DDR2-5300F ECC)
Disk Subsystem: 1 x 74 GB SAS, 1000 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	880	15.5	879	15.5	879	15.5						
416.gamess	1651	11.9	1651	11.9	1651	11.9						
433.milc	1002	9.16	1003	9.15	1004	9.14						
434.zeusmp	868	10.5	869	10.5	868	10.5						
435.gromacs	615	11.6	616	11.6	615	11.6						
436.cactusADM	991	12.1	991	12.1	991	12.1						
437.leslie3d	958	9.81	958	9.82	958	9.81						
444.namd	789	10.2	790	10.1	789	10.2						
447.dealII	818	14.0	818	14.0	817	14.0						
450.soplex	838	9.95	838	9.95	838	9.95						
453.povray	376	14.2	376	14.2	376	14.2						
454.calculix	877	9.41	877	9.40	877	9.41						
459.GemsFDTD	1132	9.37	1133	9.36	1133	9.37						
465.tonto	1147	8.58	1147	8.58	1146	8.58						
470.lbm	2219	6.19	2219	6.19	2221	6.19						
481.wrf	930	12.0	930	12.0	930	12.0						
482.sphinx3	1328	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.

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 other inquiries, please contact webmaster@spec.org.

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