SPEC® CFP2006 Result

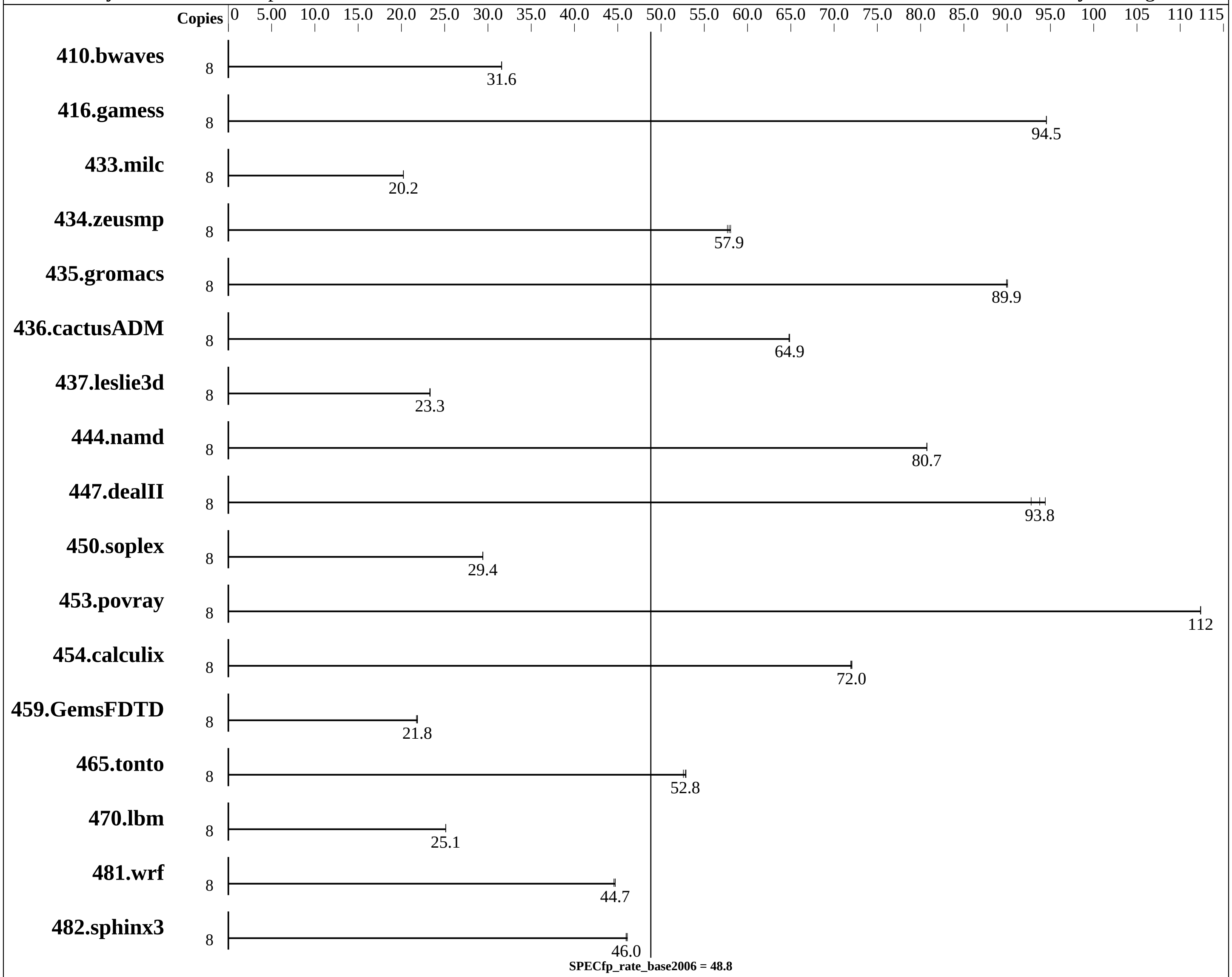
IBM Corporation

SPECfp®_rate2006 = Not Run

IBM System x3500 (Intel Xeon E5335)

SPECfp_rate_base2006 = 48.8

CPU2006 license: 11		**Test date:**	Jan-2007
Test sponsor:	IBM Corporation	**Hardware Availability:**	Feb-2007
Tested by:	IBM Corporation	**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	System State:	Default
Other Cache:	None	Base Pointers:	32-bit
Memory:	8 GB (8 x 1GB DDR2-5300F ECC)	Peak Pointers:	Not Applicable
Disk Subsystem:	1 x 80 GB SATA, 7200 RPM	Other Software:	Smart Heap Library, Version 8
Other Hardware:	None		

Results Table

	Base							Peak						
Benchmark	**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:

```
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

For questions about this result, please contact the tester.
For other inquiries, please contact webmaster@spec.org.

Tested with SPEC CPU2006 v1.0.
Report generated on Tue Jul 22 10:13:24 2014 by SPEC CPU2006 PS/PDF formatter v6932.
Originally published on 8 February 2007.