SPEC® CFP2006 Result

IBM Corporation

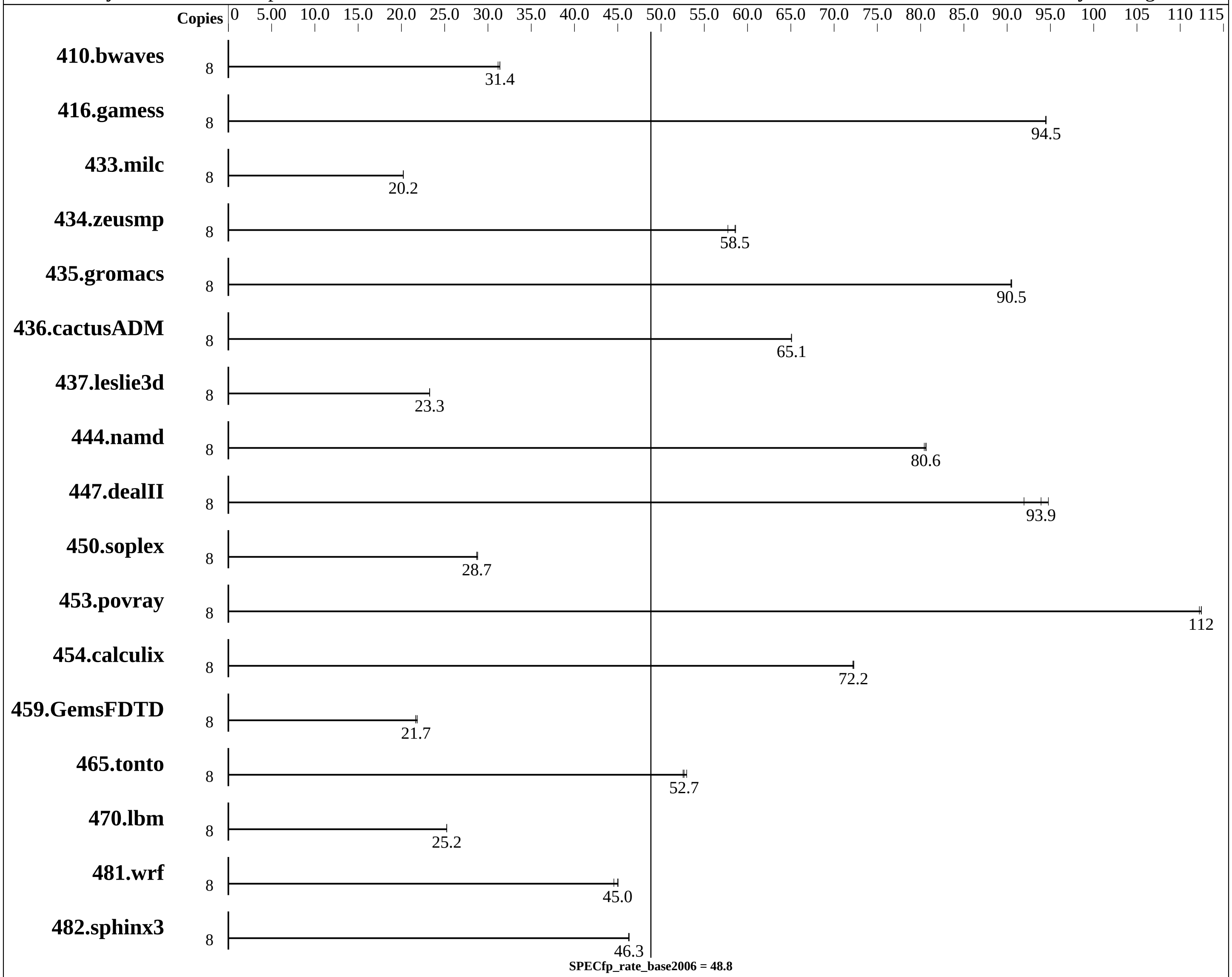
SPECfp®_rate2006 = Not Run

IBM System x3550 (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 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

	Base							Peak						
Benchmark	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
410.bwaves	8	3489	31.2	**3464**	**31.4**	3464	31.4							
416.gamess	8	1659	94.4	1657	94.5	**1657**	**94.5**							
433.milc	8	3631	20.2	**3632**	**20.2**	3633	20.2							
434.zeusmp	8	1261	57.7	**1243**	**58.5**	1242	58.6							
435.gromacs	8	**631**	**90.5**	631	90.5	632	90.4							
436.cactusADM	8	**1469**	**65.1**	1469	65.1	1469	65.1							
437.leslie3d	8	3233	23.3	**3234**	**23.3**	3234	23.3							
444.namd	8	796	80.6	**796**	**80.6**	798	80.4							
447.dealII	8	966	94.8	995	91.9	**974**	**93.9**							
450.soplex	8	2325	28.7	2315	28.8	**2324**	**28.7**							
453.povray	8	379	112	379	112	**379**	**112**							
454.calculix	8	913	72.3	915	72.2	**914**	**72.2**							
459.GemsFDTD	8	3920	21.7	3885	21.8	**3914**	**21.7**							
465.tonto	8	**1495**	**52.7**	1486	53.0	1498	52.5							
470.lbm	8	4353	25.3	**4354**	**25.2**	4354	25.2							
481.wrf	8	**1986**	**45.0**	1984	45.0	2006	44.6							
482.sphinx3	8	3366	46.3	**3368**	**46.3**	3371	46.3							

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
```

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.

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