SPEC® CFP2006 Result

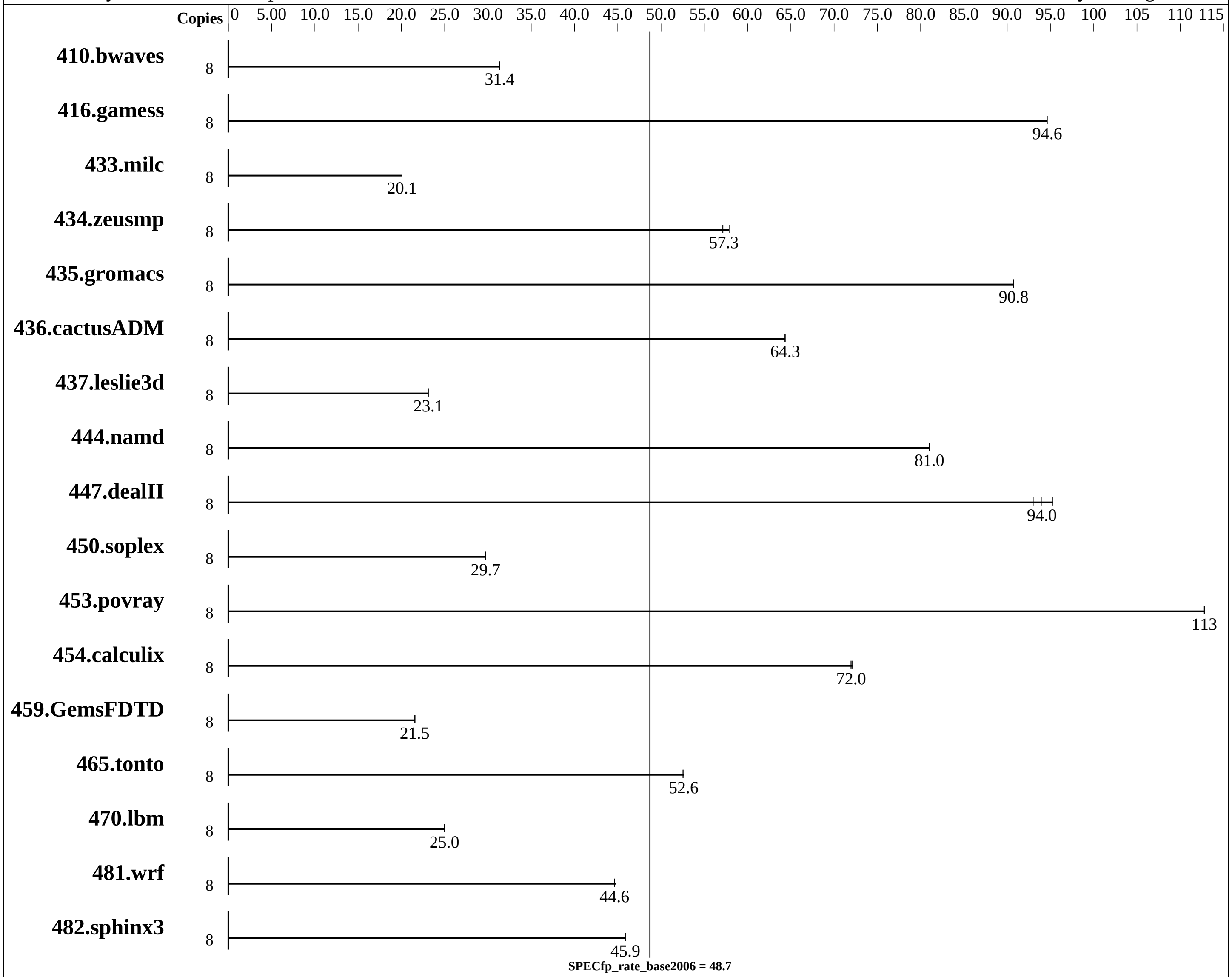
IBM Corporation

IBM BladeCenter HS21 XM (Intel Xeon E5335)

SPECfp®_rate2006 = Not Run

SPECfp_rate_base2006 = 48.7

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:	1333MHz system bus
CPU MHz:	2000
FPU:	Integrated
CPU(s) enabled:	8 cores, 2 chips, 4 cores/chip
CPU(s) orderable:	1,2 chips
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

Continued on next page

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

Continued on next page

IBM Corporation

IBM BladeCenter HS21 XM (Intel Xeon E5335)

SPECfp_rate2006 = Not Run

SPECfp_rate_base2006 = 48.7

CPU2006 license: 11
Test sponsor: IBM Corporation
Tested by: IBM Corporation
Test date: Jan-2007
Hardware Availability: Feb-2007
Software Availability: Aug-2006

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

	Base							Peak						
Benchmark	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
410.bwaves	8	3468	31.4	**3467**	**31.4**	3467	31.4							
416.gamess	8	**1655**	**94.6**	1656	94.6	1655	94.6							
433.milc	8	3659	20.1	**3660**	**20.1**	3661	20.1							
434.zeusmp	8	1274	57.1	**1271**	**57.3**	1258	57.9							
435.gromacs	8	630	90.7	**629**	**90.8**	629	90.8							
436.cactusADM	8	1487	64.3	**1486**	**64.3**	1485	64.4							
437.leslie3d	8	3254	23.1	**3254**	**23.1**	3255	23.1							
444.namd	8	792	81.0	792	81.0	**792**	**81.0**							
447.dealII	8	983	93.1	**973**	**94.0**	961	95.3							
450.soplex	8	2245	29.7	2242	29.8	**2245**	**29.7**							
453.povray	8	377	113	**377**	**113**	377	113							
454.calculix	8	917	71.9	915	72.1	**917**	**72.0**							
459.GemsFDTD	8	**3940**	**21.5**	3941	21.5	3932	21.6							
465.tonto	8	1496	52.6	**1496**	**52.6**	1499	52.5							
470.lbm	8	**4400**	**25.0**	4401	25.0	4400	25.0							
481.wrf	8	2009	44.5	**2003**	**44.6**	1995	44.8							
482.sphinx3	8	**3398**	**45.9**	3400	45.9	3398	45.9							

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.

Tested with SPEC CPU2006 v1.0.
Report generated on Tue Jul 22 10:34:22 2014 by SPEC CPU2006 PS/PDF formatter v6932.
Originally published on 6 March 2007.