SPEC® CFP2006 Result

IBM Corporation

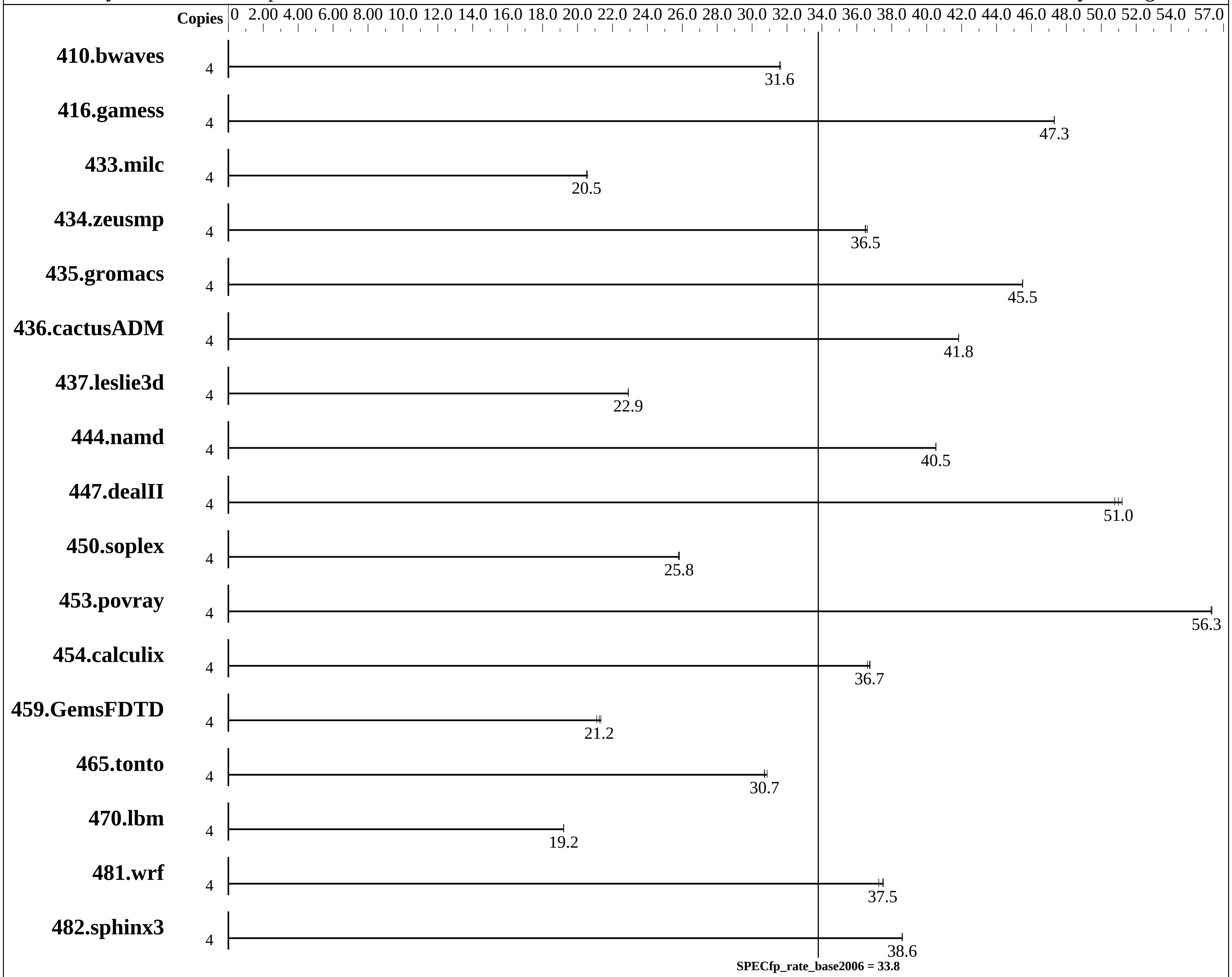
IBM BladeCenter HS21 XM (Intel Xeon 5130)

SPECfp®_rate2006 = Not Run

SPECfp_rate_base2006 = 33.8

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 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

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

SPEC CFP2006 Result

IBM Corporation

SPECfp_rate2006 = Not Run

IBM BladeCenter HS21 XM (Intel Xeon 5130)

SPECfp_rate_base2006 = 33.8

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	4	1722	31.6	**1722**	**31.6**	1718	31.6							
416.gamess	4	1655	47.3	1656	47.3	**1655**	**47.3**							
433.milc	4	1784	20.6	1790	20.5	**1790**	**20.5**							
434.zeusmp	4	994	36.6	998	36.5	**997**	**36.5**							
435.gromacs	4	**628**	**45.5**	628	45.5	628	45.5							
436.cactusADM	4	1143	41.8	1143	41.8	**1143**	**41.8**							
437.leslie3d	4	1641	22.9	**1641**	**22.9**	1641	22.9							
444.namd	4	791	40.5	**792**	**40.5**	792	40.5							
447.dealII	4	901	50.8	**898**	**51.0**	894	51.2							
450.soplex	4	1294	25.8	**1292**	**25.8**	1291	25.8							
453.povray	4	378	56.3	378	56.3	**378**	**56.3**							
454.calculix	4	898	36.8	**899**	**36.7**	901	36.6							
459.GemsFDTD	4	1989	21.3	2011	21.1	**1998**	**21.2**							
465.tonto	4	1275	30.9	1282	30.7	**1282**	**30.7**							
470.lbm	4	2861	19.2	**2861**	**19.2**	2861	19.2							
481.wrf	4	1199	37.3	1191	37.5	**1192**	**37.5**							
482.sphinx3	4	2019	38.6	2020	38.6	**2020**	**38.6**							

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 10:38:24 2014 by SPEC CPU2006 PS/PDF formatter v6932.
Originally published on 6 March 2007.