



SPEC[®] CFP2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

Bull SAS

SPECfp[®]_rate2006 = 40.7

NovaScale T840 (3.00 GHz, Intel Xeon 5160)

SPECfp_rate_base2006 = 40.7

CPU2006 license: 3

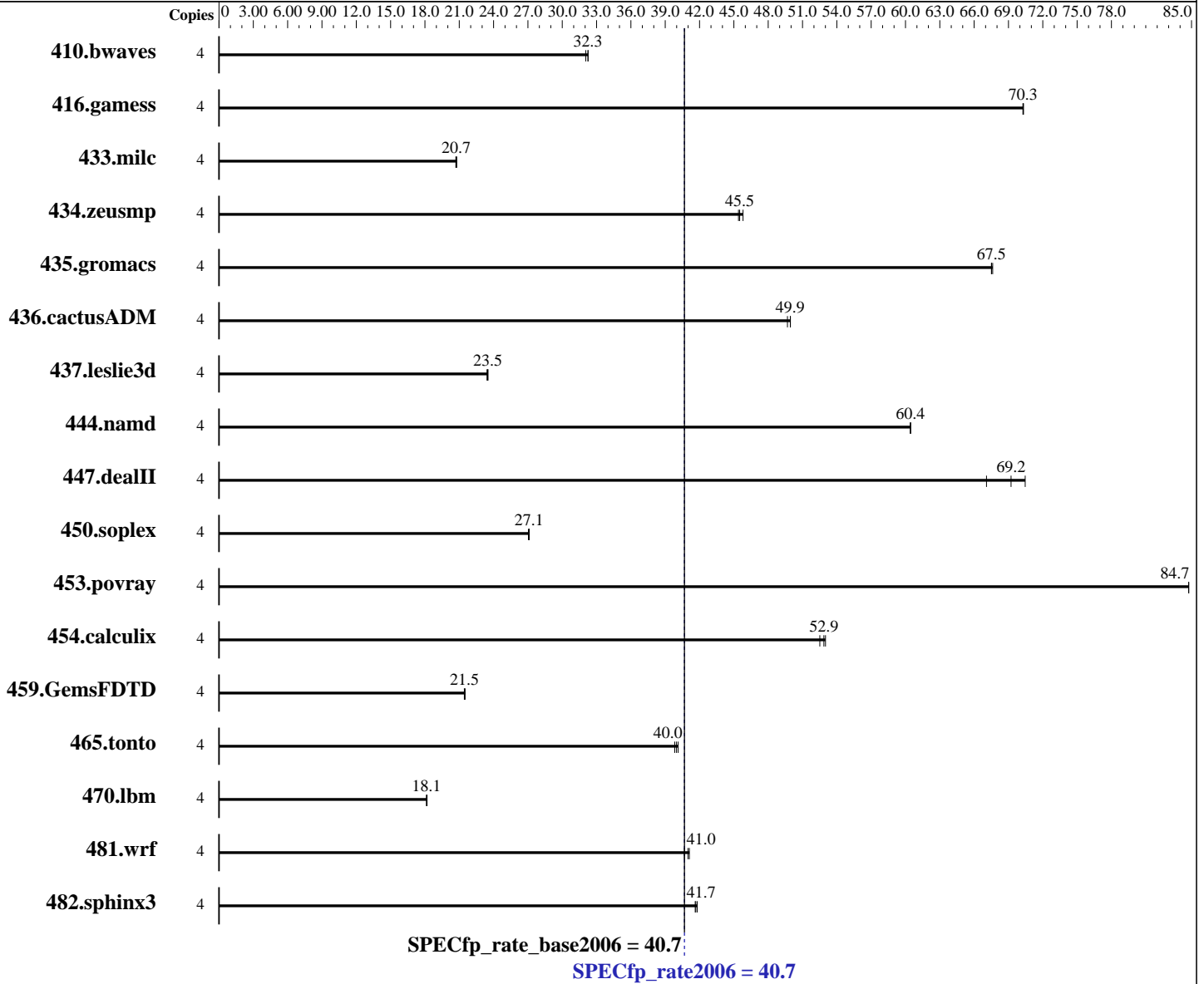
Test sponsor: Bull SAS

Tested by: Bull SAS

Test date: Feb-2007

Hardware Availability: Jul-2006

Software Availability: Dec-2006



Hardware

CPU Name: Intel Xeon 5160
 CPU Characteristics: 3.0GHz, 1332MHz bus
 CPU MHz: 3000
 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: Windows Server 2003 Enterprise X64 Edition
 Compiler: Intel C++ Compiler 9.1.033 for 32-bit app.
 Build 20061103Z Package ID: W_CC_C_9.1.032
 Intel Fortran Compiler 9.1.033 for 32-bit app.
 Build 20060928Z Package ID: W_FC_C_9.1.033
 Microsoft Visual Studio .NET 2003 (libraries)

Auto Parallel: No
 File System: NTFS
 System State: Default

Continued on next page



SPEC CFP2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

Bull SAS

SPECfp_rate2006 = 40.7

NovaScale T840 (3.00 GHz, Intel Xeon 5160)

SPECfp_rate_base2006 = 40.7

CPU2006 license: 3

Test date: Feb-2007

Test sponsor: Bull SAS

Hardware Availability: Jul-2006

Tested by: Bull SAS

Software Availability: Dec-2006

L3 Cache: None
Other Cache: None
Memory: 8 GB (667 MHz ECC CL5 DDR2 FB-DIMM)
Disk Subsystem: 3x73GB SCSI 15000 rpm
Other Hardware: None

Base Pointers: 64-bit
Peak Pointers: Not Applicable
Other Software: MicroQuill SmartHeap Library 8.0 (shIW32M.lib)

Results Table

Benchmark	Base								Peak							
	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio		
410.bwaves	4	1685	32.3	<u>1686</u>	<u>32.3</u>	1696	32.1	4	1685	32.3	<u>1686</u>	<u>32.3</u>	1696	32.1		
416.gamess	4	<u>1114</u>	<u>70.3</u>	1115	70.3	1114	70.3	4	<u>1114</u>	<u>70.3</u>	1115	70.3	1114	70.3		
433.milc	4	<u>1771</u>	<u>20.7</u>	1767	20.8	1774	20.7	4	<u>1771</u>	<u>20.7</u>	1767	20.8	1774	20.7		
434.zeusmp	4	802	45.4	<u>800</u>	<u>45.5</u>	795	45.8	4	802	45.4	<u>800</u>	<u>45.5</u>	795	45.8		
435.gromacs	4	422	67.6	<u>423</u>	<u>67.5</u>	423	67.5	4	422	67.6	<u>423</u>	<u>67.5</u>	423	67.5		
436.cactusADM	4	962	49.7	<u>957</u>	<u>49.9</u>	957	49.9	4	962	49.7	<u>957</u>	<u>49.9</u>	957	49.9		
437.leslie3d	4	1605	23.4	<u>1601</u>	<u>23.5</u>	1599	23.5	4	1605	23.4	<u>1601</u>	<u>23.5</u>	1599	23.5		
444.namd	4	531	60.4	<u>531</u>	<u>60.4</u>	531	60.4	4	531	60.4	<u>531</u>	<u>60.4</u>	531	60.4		
447.dealII	4	682	67.1	649	70.5	<u>661</u>	<u>69.2</u>	4	682	67.1	649	70.5	<u>661</u>	<u>69.2</u>		
450.soplex	4	1234	27.0	1230	27.1	<u>1231</u>	<u>27.1</u>	4	1234	27.0	1230	27.1	<u>1231</u>	<u>27.1</u>		
453.povray	4	<u>251</u>	<u>84.7</u>	251	84.8	251	84.7	4	<u>251</u>	<u>84.7</u>	251	84.8	251	84.7		
454.calculix	4	<u>624</u>	<u>52.9</u>	623	53.0	628	52.5	4	<u>624</u>	<u>52.9</u>	623	53.0	628	52.5		
459.GemsFDTD	4	1973	21.5	1979	21.4	<u>1977</u>	<u>21.5</u>	4	1973	21.5	1979	21.4	<u>1977</u>	<u>21.5</u>		
465.tonto	4	981	40.1	<u>984</u>	<u>40.0</u>	988	39.8	4	981	40.1	<u>984</u>	<u>40.0</u>	988	39.8		
470.lbm	4	3022	18.2	3030	18.1	<u>3028</u>	<u>18.1</u>	4	3022	18.2	3030	18.1	<u>3028</u>	<u>18.1</u>		
481.wrf	4	<u>1090</u>	<u>41.0</u>	1098	40.7	1087	41.1	4	<u>1090</u>	<u>41.0</u>	1098	40.7	1087	41.1		
482.sphinx3	4	1865	41.8	1873	41.6	<u>1871</u>	<u>41.7</u>	4	1865	41.8	1873	41.6	<u>1871</u>	<u>41.7</u>		

Results appear in the order in which they were run. Bold underlined text indicates a median measurement.

General Notes



SPEC CFP2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

Bull SAS

SPECfp_rate2006 = 40.7

NovaScale T840 (3.00 GHz, Intel Xeon 5160)

SPECfp_rate_base2006 = 40.7

CPU2006 license: 3
Test sponsor: Bull SAS
Tested by: Bull SAS

Test date: Feb-2007
Hardware Availability: Jul-2006
Software Availability: Dec-2006

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

Peak Optimization Flags

C benchmarks:
433.milc: basepeak = yes

Continued on next page



SPEC CFP2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

Bull SAS

SPECfp_rate2006 = 40.7

NovaScale T840 (3.00 GHz, Intel Xeon 5160)

SPECfp_rate_base2006 = 40.7

CPU2006 license: 3

Test sponsor: Bull SAS

Tested by: Bull SAS

Test date: Feb-2007

Hardware Availability: Jul-2006

Software Availability: Dec-2006

Peak Optimization Flags (Continued)

470.lbm: basepeak = yes

482.sphinx3: basepeak = yes

C++ benchmarks:

444.namd: basepeak = yes

447.dealII: basepeak = yes

450.soplex: basepeak = yes

453.povray: basepeak = yes

Fortran benchmarks:

410.bwaves: basepeak = yes

416.gamess: basepeak = yes

434.zeusmp: basepeak = yes

437.leslie3d: basepeak = yes

459.GemsFDTD: basepeak = yes

465.tonto: basepeak = yes

Benchmarks using both Fortran and C:

435.gromacs: basepeak = yes

436.cactusADM: basepeak = yes

454.calculix: basepeak = yes

481.wrf: basepeak = yes

The flags file that was used to format this result can be browsed at

<http://www.spec.org/cpu2006/flags/flags.20090714.00.html>

You can also download the XML flags source by saving the following link:

<http://www.spec.org/cpu2006/flags/flags.20090714.00.xml>



SPEC CFP2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

Bull SAS

SPECfp_rate2006 = 40.7

NovaScale T840 (3.00 GHz, Intel Xeon 5160)

SPECfp_rate_base2006 = 40.7

CPU2006 license: 3

Test sponsor: Bull SAS

Tested by: Bull SAS

Test date: Feb-2007

Hardware Availability: Jul-2006

Software Availability: Dec-2006

SPEC and SPECfp are registered trademarks of the Standard Performance Evaluation Corporation. All other brand and product names appearing in this result are trademarks or registered trademarks of their respective holders.

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 10:40:49 2014 by SPEC CPU2006 PS/PDF formatter v6932.
Originally published on 6 March 2007.