



SPEC® CFP2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

Bull SAS

SPECfp®_rate2006 = 28.1

NovaScale T860 (1.60 GHz, Intel Xeon 5110)

SPECfp_rate_base2006 = 27.6

CPU2006 license: 20

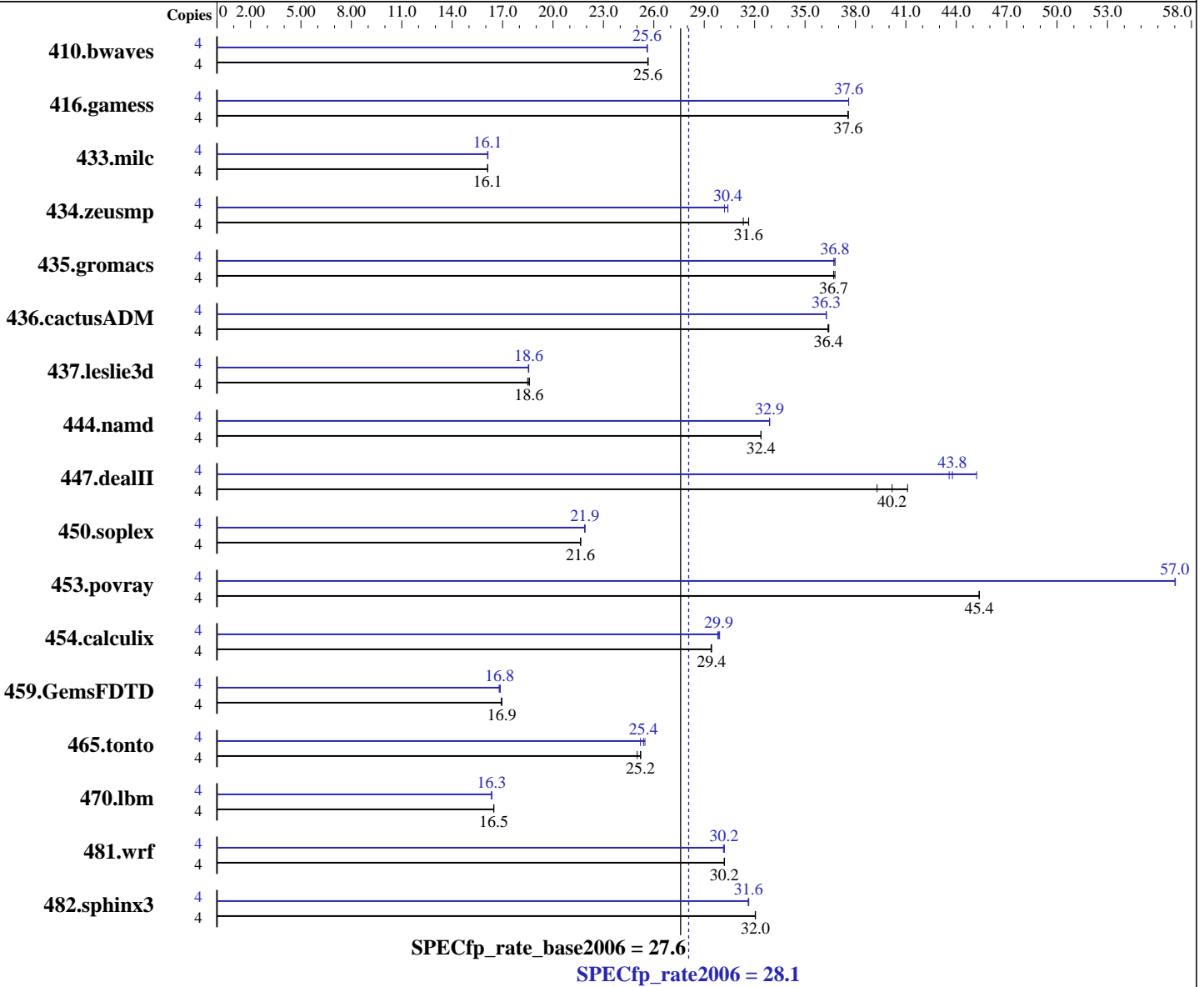
Test sponsor: Bull SAS

Tested by: Bull SAS

Test date: Mar-2007

Hardware Availability: Sep-2006

Software Availability: Nov-2006



Hardware

CPU Name: Intel Xeon 5110
 CPU Characteristics: 1.60 GHz, 1066MHz bus
 CPU MHz: 1600
 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 for 32-bit app.
 Build 20061103Z Package ID: W_CC_C_9.1.033
 Intel Fortran Compiler 9.1 for 32-bit app.
 Build 20061103Z 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 = 28.1

NovaScale T860 (1.60 GHz, Intel Xeon 5110)

SPECfp_rate_base2006 = 27.6

CPU2006 license: 20

Test date: Mar-2007

Test sponsor: Bull SAS

Hardware Availability: Sep-2006

Tested by: Bull SAS

Software Availability: Nov-2006

L3 Cache: None
Other Cache: None
Memory: 12 GB (553 MHz ECC CL5 DDR2 FB-DIMM)
Disk Subsystem: 2x36GB SAS 15000 rpm
Other Hardware: None

Base Pointers: 32-bit
Peak Pointers: 32-bit
Other Software: MicroQuill SmartHeap Library 8.0 (shlW32M.lib)

Results Table

Benchmark	Base								Peak							
	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio		
410.bwaves	4	2118	25.7	2120	25.6	<u>2120</u>	<u>25.6</u>	4	2122	25.6	2123	25.6	<u>2123</u>	<u>25.6</u>		
416.gamess	4	2084	37.6	<u>2085</u>	<u>37.6</u>	2086	37.6	4	2084	37.6	<u>2083</u>	<u>37.6</u>	2083	37.6		
433.milc	4	<u>2279</u>	<u>16.1</u>	2278	16.1	2279	16.1	4	<u>2279</u>	<u>16.1</u>	2279	16.1	2276	16.1		
434.zeusmp	4	1162	31.3	1150	31.6	<u>1150</u>	<u>31.6</u>	4	1197	30.4	<u>1197</u>	<u>30.4</u>	1205	30.2		
435.gromacs	4	778	36.7	776	36.8	<u>778</u>	<u>36.7</u>	4	776	36.8	778	36.7	<u>777</u>	<u>36.8</u>		
436.cactusADM	4	1313	36.4	<u>1313</u>	<u>36.4</u>	1314	36.4	4	<u>1318</u>	<u>36.3</u>	1318	36.3	1318	36.3		
437.leslie3d	4	2033	18.5	2022	18.6	<u>2024</u>	<u>18.6</u>	4	2026	18.6	2029	18.5	<u>2026</u>	<u>18.6</u>		
444.namd	4	991	32.4	991	32.4	<u>991</u>	<u>32.4</u>	4	975	32.9	<u>975</u>	<u>32.9</u>	975	32.9		
447.dealII	4	1165	39.3	<u>1139</u>	<u>40.2</u>	1113	41.1	4	<u>1045</u>	<u>43.8</u>	1050	43.6	1012	45.2		
450.soplex	4	1541	21.6	1542	21.6	<u>1542</u>	<u>21.6</u>	4	1524	21.9	<u>1524</u>	<u>21.9</u>	1523	21.9		
453.povray	4	469	45.4	469	45.4	<u>469</u>	<u>45.4</u>	4	373	57.0	<u>373</u>	<u>57.0</u>	373	57.0		
454.calculix	4	<u>1121</u>	<u>29.4</u>	1121	29.4	1122	29.4	4	1103	29.9	<u>1105</u>	<u>29.9</u>	1107	29.8		
459.GemsFDTD	4	<u>2504</u>	<u>16.9</u>	2503	17.0	2506	16.9	4	2516	16.9	2527	16.8	<u>2522</u>	<u>16.8</u>		
465.tonto	4	1560	25.2	<u>1562</u>	<u>25.2</u>	1574	25.0	4	<u>1550</u>	<u>25.4</u>	1562	25.2	1545	25.5		
470.lbm	4	<u>3336</u>	<u>16.5</u>	3336	16.5	3336	16.5	4	3363	16.3	3362	16.3	<u>3362</u>	<u>16.3</u>		
481.wrf	4	1480	30.2	1479	30.2	<u>1479</u>	<u>30.2</u>	4	<u>1480</u>	<u>30.2</u>	1480	30.2	1482	30.1		
482.sphinx3	4	2434	32.0	2432	32.1	<u>2433</u>	<u>32.0</u>	4	2465	31.6	<u>2465</u>	<u>31.6</u>	2463	31.7		

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



SPEC CFP2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

Bull SAS

SPECfp_rate2006 = 28.1

NovaScale T860 (1.60 GHz, Intel Xeon 5110)

SPECfp_rate_base2006 = 27.6

CPU2006 license: 20
Test sponsor: Bull SAS
Tested by: Bull SAS

Test date: Mar-2007
Hardware Availability: Sep-2006
Software Availability: Nov-2006

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 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

Peak Portability Flags

436.cactusADM: -Qlowercase /assume:underscore
444.namd: -TP
447.dealII: -DDEAL_II_MEMBER_VAR_SPECIALIZATION_BUG
-DBOOST_NO_INTRINSIC_WCHAR_T

Continued on next page



SPEC CFP2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

Bull SAS

SPECfp_rate2006 = 28.1

NovaScale T860 (1.60 GHz, Intel Xeon 5110)

SPECfp_rate_base2006 = 27.6

CPU2006 license: 20
Test sponsor: Bull SAS
Tested by: Bull SAS

Test date: Mar-2007
Hardware Availability: Sep-2006
Software Availability: Nov-2006

Peak Portability Flags (Continued)

453.povray: -DSPEC_CPU_WINDOWS_ICL
454.calculix: -DSPEC_CPU_NOZMODIFIER -Qlowercase
481.wrf: -DSPEC_CPU_WINDOWS_ICL

Peak Optimization Flags

C benchmarks:

-Qprof_gen(pass 1) -Qprof_use(pass 2) -fast /F950000000 shlw32m.lib
-link /FORCE:MULTIPLE

C++ benchmarks:

-Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -Qcxx_features
/F950000000 shlw32m.lib -link /FORCE:MULTIPLE

Fortran benchmarks:

410.bwaves: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast /F950000000
-link /FORCE:MULTIPLE

416.gamess: -fast /F950000000 -link /FORCE:MULTIPLE

434.zeusmp: Same as 410.bwaves

437.leslie3d: Same as 410.bwaves

459.GemsFDTD: Same as 410.bwaves

465.tonto: Same as 410.bwaves

Benchmarks using both Fortran and C:

435.gromacs: -fast /F950000000 -link /FORCE:MULTIPLE

436.cactusADM: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast /F950000000
-link /FORCE:MULTIPLE

454.calculix: Same as 436.cactusADM

481.wrf: Same as 435.gromacs

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 = 28.1

NovaScale T860 (1.60 GHz, Intel Xeon 5110)

SPECfp_rate_base2006 = 27.6

CPU2006 license: 20

Test sponsor: Bull SAS

Tested by: Bull SAS

Test date: Mar-2007

Hardware Availability: Sep-2006

Software Availability: Nov-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 11:59:25 2014 by SPEC CPU2006 PS/PDF formatter v6932.
Originally published on 17 April 2007.