



SPEC® CFP2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

Bull SAS

NovaScale R460
(Intel Xeon processor 5150,2.66GHz)

SPECfp®_rate2006 = 41.8

SPECfp_rate_base2006 = 41.2

CPU2006 license: 20

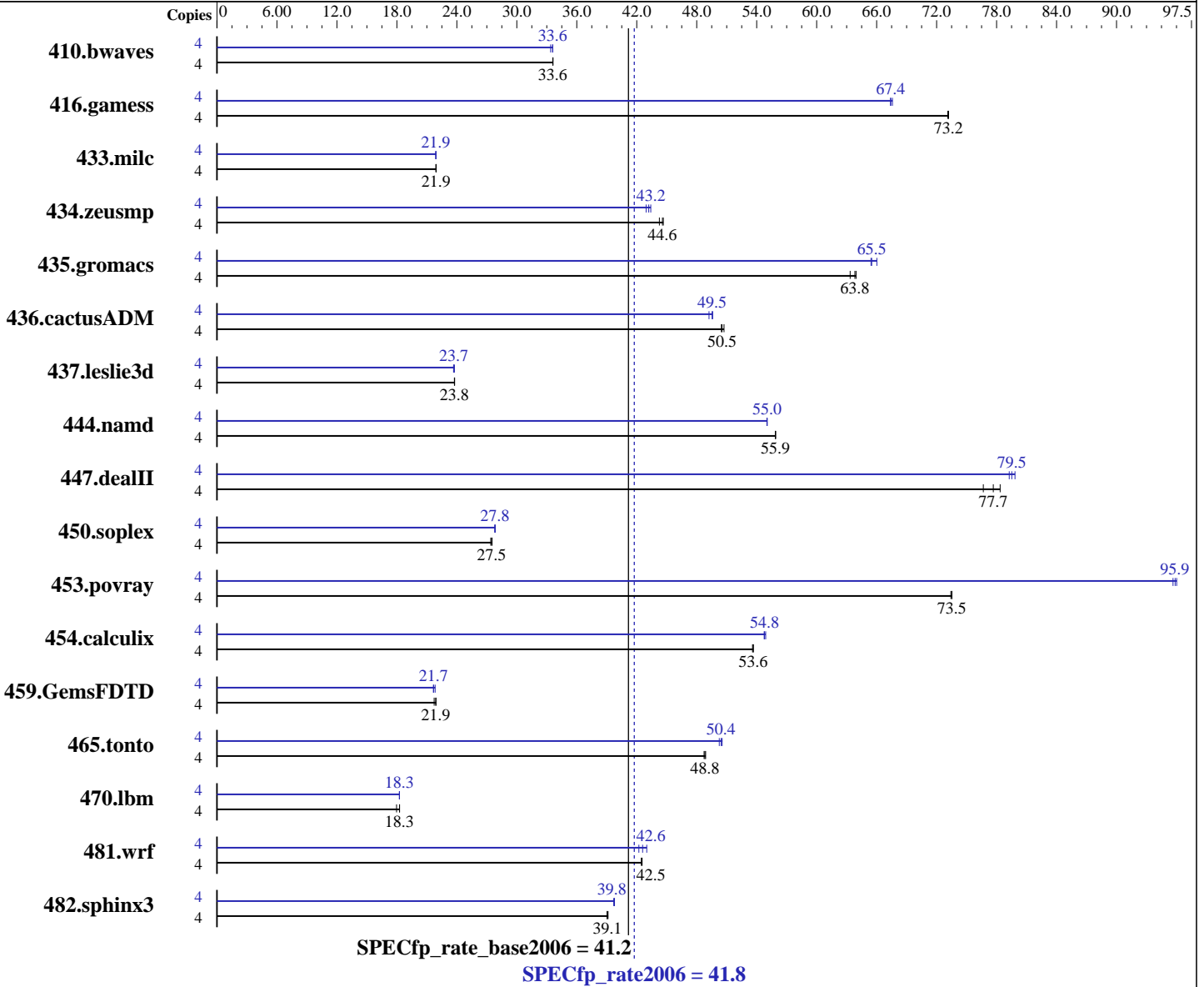
Test sponsor: Bull SAS

Tested by: Bull SAS

Test date: May-2007

Hardware Availability: Mar-2007

Software Availability: Dec-2006



Hardware

CPU Name: Intel Xeon 5150
 CPU Characteristics: 2.66 GHz, 4 MB L2, 1333 MHz system bus
 CPU MHz: 2666
 FPU: Integrated
 CPU(s) enabled: 4 cores, 2 chips, 2 cores/chip
 CPU(s) orderable: 1 to 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: SuSE Linux Enterprise Server 10 (EM64T) kernel 2.6.16.21-0.8-smp
 Compiler: Intel C++ Compiler for Intel EM64T-based applications, Version 9.1
 Package ID l_cc_c_9.1.045 Build no 20061101
 Intel Fortran Compiler for Intel EM64T-based applications, Version 9.1
 Package ID l_fc_c_9.1.040 Build no 20061101
 Auto Parallel: No

Continued on next page



SPEC CFP2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

Bull SAS

NovaScale R460
(Intel Xeon processor 5150,2.66GHz)

SPECfp_rate2006 = 41.8

SPECfp_rate_base2006 = 41.2

CPU2006 license: 20

Test sponsor: Bull SAS

Tested by: Bull SAS

Test date: May-2007

Hardware Availability: Mar-2007

Software Availability: Dec-2006

L3 Cache: None
Other Cache: None
Memory: 24 GB (12x2 GB) FB-DIMM PC2-5300F ECC CL5
Disk Subsystem: 1x73 GB SAS, 15000 RPM
Other Hardware: None

File System: ext2
System State: Multi-user run level 3
Base Pointers: 64-bit
Peak Pointers: 32/64-bit
Other Software: None

Results Table

Benchmark	Base							Peak						
	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
410.bwaves	4	1618	33.6	1618	33.6	1617	33.6	4	1618	33.6	1619	33.6	1628	33.4
416.gamess	4	1070	73.2	1070	73.2	1071	73.1	4	1162	67.4	1159	67.6	1162	67.4
433.milc	4	1677	21.9	1674	21.9	1674	21.9	4	1677	21.9	1676	21.9	1677	21.9
434.zeusmp	4	822	44.3	817	44.6	815	44.7	4	848	42.9	843	43.2	839	43.4
435.gromacs	4	447	63.9	448	63.8	451	63.3	4	436	65.4	433	66.0	436	65.5
436.cactusADM	4	947	50.5	946	50.5	942	50.7	4	965	49.5	964	49.6	971	49.2
437.leslie3d	4	1582	23.8	1581	23.8	1582	23.8	4	1586	23.7	1583	23.8	1588	23.7
444.namd	4	574	55.9	574	55.9	574	55.9	4	583	55.1	583	55.0	583	55.0
447.dealII	4	597	76.7	589	77.7	584	78.4	4	575	79.5	573	79.8	577	79.3
450.soplex	4	1214	27.5	1218	27.4	1212	27.5	4	1198	27.8	1199	27.8	1200	27.8
453.povray	4	289	73.5	290	73.4	289	73.5	4	222	95.9	222	96.0	222	95.7
454.calculix	4	616	53.6	615	53.6	615	53.7	4	601	54.9	603	54.7	602	54.8
459.GemsFDTD	4	1937	21.9	1939	21.9	1953	21.7	4	1958	21.7	1944	21.8	1959	21.7
465.tonto	4	806	48.8	805	48.9	808	48.7	4	779	50.5	780	50.4	783	50.3
470.lbm	4	3009	18.3	3059	18.0	3008	18.3	4	3010	18.3	3010	18.3	3010	18.3
481.wrf	4	1052	42.5	1052	42.5	1050	42.5	4	1058	42.2	1039	43.0	1049	42.6
482.sphinx3	4	1998	39.0	1996	39.1	1992	39.1	4	1964	39.7	1961	39.8	1960	39.8

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

Operating System Notes

Environment stack size set to 'unlimited'
'/usr/bin/taskset' used to bind processes to CPUs

General Notes

The NovaScale R440 and the NovaScale R460 models are electronically equivalent.
The results have been measured on a NovaScale R460 model.



SPEC CFP2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

Bull SAS

NovaScale R460
(Intel Xeon processor 5150,2.66GHz)

SPECfp_rate2006 = 41.8

SPECfp_rate_base2006 = 41.2

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

Test date: May-2007
Hardware Availability: Mar-2007
Software Availability: Dec-2006

Base Compiler Invocation

C benchmarks:
icc

C++ benchmarks:
icpc

Fortran benchmarks:
ifort

Benchmarks using both Fortran and C:
icc ifort

Base Portability Flags

410.bwaves: -DSPEC_CPU_LP64
416.gamess: -DSPEC_CPU_LP64
433.milc: -DSPEC_CPU_LP64
434.zeusmp: -DSPEC_CPU_LP64
435.gromacs: -DSPEC_CPU_LP64 -nofor_main
436.cactusADM: -DSPEC_CPU_LP64 -nofor_main
437.leslie3d: -DSPEC_CPU_LP64
444.namd: -DSPEC_CPU_LP64
447.dealII: -DSPEC_CPU_LP64
450.soplex: -DSPEC_CPU_LP64
453.povray: -DSPEC_CPU_LP64
454.calculix: -DSPEC_CPU_LP64 -nofor_main
459.GemsFDTD: -DSPEC_CPU_LP64
465.tonto: -DSPEC_CPU_LP64
470.lbm: -DSPEC_CPU_LP64
481.wrf: -DSPEC_CPU_LP64 -DSPEC_CPU_CASE_FLAG -DSPEC_CPU_LINUX
482.sphinx3: -DSPEC_CPU_LP64

Base Optimization Flags

C benchmarks:
-fast

C++ benchmarks:
-fast

Fortran benchmarks:
-fast

Benchmarks using both Fortran and C:
-fast



SPEC CFP2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

Bull SAS

NovaScale R460
(Intel Xeon processor 5150,2.66GHz)

SPECfp_rate2006 = 41.8

SPECfp_rate_base2006 = 41.2

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

Test date: May-2007
Hardware Availability: Mar-2007
Software Availability: Dec-2006

Peak Compiler Invocation

C benchmarks:
icc

C++ benchmarks:
icpc

Fortran benchmarks:
ifort

Benchmarks using both Fortran and C:
icc ifort

Peak Portability Flags

Same as Base Portability Flags

Peak Optimization Flags

C benchmarks:
-prof_gen(pass 1) -prof_use(pass 2) -fast -auto_ilp32

C++ benchmarks:
-prof_gen(pass 1) -prof_use(pass 2) -fast -auto_ilp32

Fortran benchmarks:
-prof_gen(pass 1) -prof_use(pass 2) -fast

Benchmarks using both Fortran and C:
-prof_gen(pass 1) -prof_use(pass 2) -fast -auto_ilp32

The flags file that was used to format this result can be browsed at
http://www.spec.org/cpu2006/flags/EM64T_Intel91_flags.html

You can also download the XML flags source by saving the following link:
http://www.spec.org/cpu2006/flags/EM64T_Intel91_flags.xml



SPEC CFP2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

Bull SAS

NovaScale R460
(Intel Xeon processor 5150,2.66GHz)

SPECfp_rate2006 = 41.8

SPECfp_rate_base2006 = 41.2

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

Test date: May-2007
Hardware Availability: Mar-2007
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 11:43:14 2014 by SPEC CPU2006 PS/PDF formatter v6932.
Originally published on 29 May 2007.