SPEC® CFP2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

Bull SAS

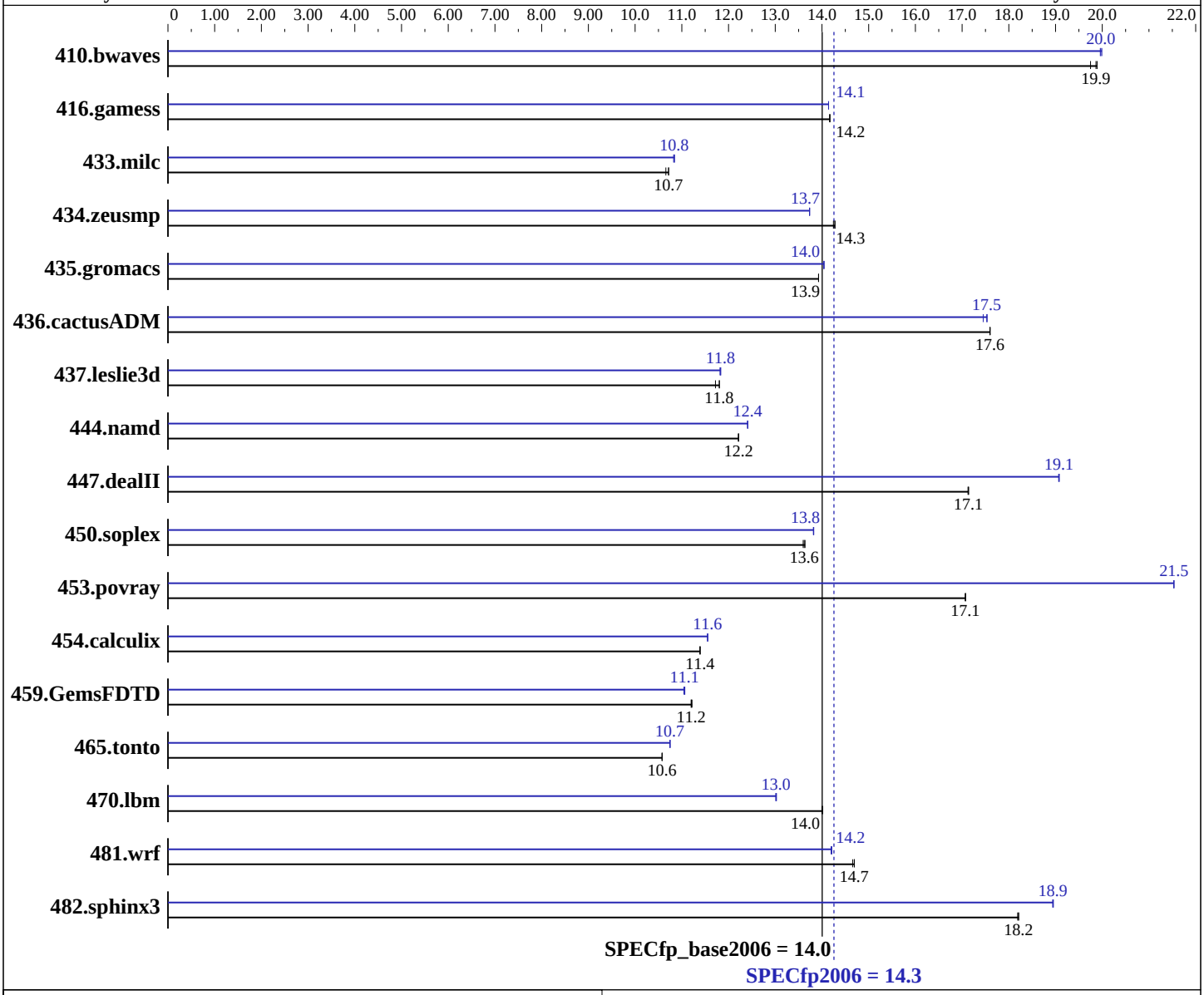
NovaScale T810 (Intel Xeon processor 3060,2.40GHz)

SPECfp®2006 = 14.3

SPECfp_base2006 = 14.0

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

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



Hardware

CPU Name:	Intel Xeon 3060
CPU Characteristics:	2.40 GHz, 4MB L2, 1066MHz bus
CPU MHz:	2400
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 2 cores/chip
CPU(s) orderable:	1 chip
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 Edition X64 Edition Service Pack1
Compiler:	Intel C++ Compiler for IA32 version 9.1 Package ID W_CC_C_9.1.033 Build no 20061103Z Intel Fortran Compiler for IA32 version 9.1 Package ID W_FC_C_9.1.033 Build no 20061103Z Microsoft Visual Studio .NET 2003 (lib & linker)
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

NovaScale T810 (Intel Xeon processor 3060,2.40GHz)

SPECfp2006 = 14.3

SPECfp_base2006 = 14.0

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

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

L3 Cache: None
Other Cache: None
Memory: 8 GB (2GB DIMMx4, PC2-5300E ECC CL5)
Disk Subsystem: 73 GB SAS, 10000RPM
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					
	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
410.bwaves	688	19.7	683	19.9	**684**	**19.9**	681	20.0	680	20.0	**681**	**20.0**
416.gamess	**1382**	**14.2**	1382	14.2	1382	14.2	1385	14.1	**1385**	**14.1**	1385	14.1
433.milc	861	10.7	**857**	**10.7**	856	10.7	848	10.8	847	10.8	**847**	**10.8**
434.zeusmp	639	14.2	**637**	**14.3**	637	14.3	663	13.7	**663**	**13.7**	662	13.7
435.gromacs	513	13.9	513	13.9	**513**	**13.9**	508	14.0	**508**	**14.0**	509	14.0
436.cactusADM	679	17.6	679	17.6	**679**	**17.6**	685	17.5	681	17.5	**682**	**17.5**
437.leslie3d	802	11.7	**796**	**11.8**	796	11.8	795	11.8	**795**	**11.8**	794	11.8
444.namd	657	12.2	**657**	**12.2**	657	12.2	646	12.4	**646**	**12.4**	646	12.4
447.dealII	668	17.1	**668**	**17.1**	668	17.1	600	19.1	**600**	**19.1**	600	19.1
450.soplex	613	13.6	**612**	**13.6**	612	13.6	**603**	**13.8**	603	13.8	604	13.8
453.povray	312	17.1	312	17.1	**312**	**17.1**	247	21.5	**247**	**21.5**	247	21.5
454.calculix	724	11.4	**724**	**11.4**	724	11.4	714	11.6	**714**	**11.6**	714	11.6
459.GemsFDTD	946	11.2	**947**	**11.2**	947	11.2	961	11.0	**959**	**11.1**	959	11.1
465.tonto	930	10.6	**930**	**10.6**	930	10.6	916	10.7	**916**	**10.7**	915	10.7
470.lbm	980	14.0	982	14.0	**980**	**14.0**	1056	13.0	**1055**	**13.0**	1055	13.0
481.wrf	762	14.7	760	14.7	**760**	**14.7**	787	14.2	786	14.2	**786**	**14.2**
482.sphinx3	1072	18.2	**1070**	**18.2**	1070	18.2	**1029**	**18.9**	1028	19.0	1029	18.9

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

General Notes

```
Other Configuration Notes
/NUMPROC=1 flag was added to boot.ini to invoke
uniprocessor environment
```

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 Compiler Invocation

C benchmarks:
```
icl -Qvc7.1 -Qc99
```

C++ benchmarks:
```
icl -Qvc7.1
```

Continued on next page

Peak Compiler Invocation (Continued)

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

Benchmarks using both Fortran and C:
-Qprof_gen(pass 1) -Qprof_use(pass 2) -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/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 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 11:57:35 2014 by SPEC CPU2006 PS/PDF formatter v6932.
Originally published on 17 April 2007.