SPEC® CFP2006 Result
Copyright 2006-2014 Standard Performance Evaluation Corporation

Dell Inc.
(Test Sponsor: Intel Corporation)

$SPECfp^{®}\_rate2006 =$ 16.2

Dell XPS M1710 (Intel Core Duo T2600)
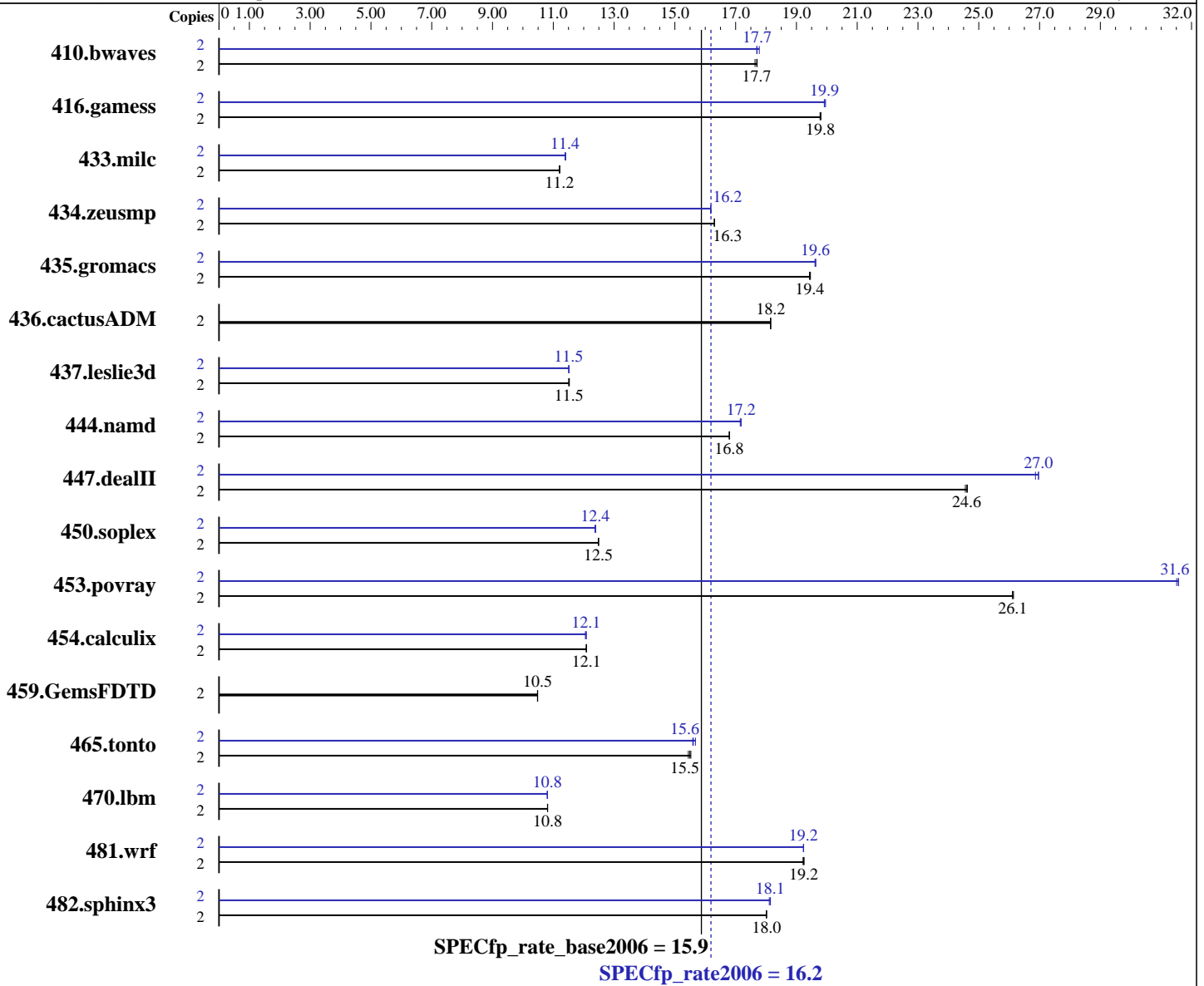
SPECfp_rate_base2006 = 15.9

CPU2006 license: 13
Test sponsor: Intel Corporation
Tested by: Intel Corporation

Test date: Jun-2007
Hardware Availability: Jun-2007
Software Availability: May-2007

SPECfp_rate_base2006 = 15.9

SPECfp_rate2006 = 16.2

Hardware		
CPU Name:	Intel Core Duo T2600	
CPU Characteristics:	2.17 GHz, 2MB L2, 667 MHz bus	
CPU MHz:	2167	
FPU:	Integrated	
CPU(s) enabled:	2 cores, 1 chip, 2 cores/chip	
CPU(s) orderable:	1 chip	
Primary Cache:	32 KB I + 32 KB D on chip per core	
Secondary Cache:	2 MB I+D on chip per chip	

Software	
Operating System:	Windows Vista32 Ultimate
Compiler:	Intel C++ Compiler for IA32 version 10.0
	Build 20070426 Package ID: W_CC_P_10.0.025
	Intel Fortran Compiler for IA32 version 10.0
	Build 20070426 Package ID: W_FC_P_10.0.025
	Microsoft Visual Studio .Net 2003 (for libraries)
Auto Parallel:	No
File System:	NTFS
System State:	Default

Continued on next page

Continued on next page

SPEC CFP2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

Dell Inc.
(Test Sponsor: Intel Corporation)

Dell XPS M1710 (Intel Core Duo T2600)

SPECfp_rate2006 =	16.2

SPECfp_rate_base2006 =	15.9

CPU2006 license: 13
Test sponsor: Intel Corporation
Tested by: Intel Corporation

Test date: Jun-2007
Hardware Availability: Jun-2007
Software Availability: May-2007

L3 Cache:	None
Other Cache:	None
Memory:	2 GB (2x1GB Hynix DDR2-667 CL5)
Disk Subsystem:	100GB Hitachi SATA, 7200RPM
Other Hardware:	None

Base Pointers:	32-bit
Peak Pointers:	32-bit
Other Software:	None
	SmartHeap Library Version 8.0 from
	http://www.microquill.com/

Results Table

Benchmark	Base						Peak						
	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
410.bwaves	2	1541	17.6	1535	17.7	**1536**	**17.7**	2	**1535**	**17.7**	1529	17.8	1536	17.7
416.gamess	2	**1979**	**19.8**	1980	19.8	1977	19.8	2	1962	20.0	1966	19.9	**1965**	**19.9**
433.milc	2	1639	11.2	1637	11.2	**1638**	**11.2**	2	1612	11.4	1609	11.4	**1612**	**11.4**
434.zeusmp	2	1116	16.3	**1116**	**16.3**	1117	16.3	2	1125	16.2	1124	16.2	**1125**	**16.2**
435.gromacs	2	734	19.5	735	19.4	**734**	**19.4**	2	728	19.6	**728**	**19.6**	727	19.6
436.cactusADM	2	**1317**	**18.2**	1317	18.1	1316	18.2	2	**1317**	**18.2**	1317	18.1	1316	18.2
437.leslie3d	2	**1633**	**11.5**	1631	11.5	1634	11.5	2	**1633**	**11.5**	1634	11.5	1633	11.5
444.namd	2	955	16.8	955	16.8	**955**	**16.8**	2	**934**	**17.2**	934	17.2	935	17.2
447.dealII	2	**930**	**24.6**	929	24.6	932	24.6	2	**849**	**27.0**	852	26.9	848	27.0
450.soplex	2	1337	12.5	1335	12.5	**1336**	**12.5**	2	1348	12.4	1346	12.4	**1347**	**12.4**
453.povray	2	407	26.1	408	26.1	**407**	**26.1**	2	**337**	**31.6**	338	31.5	337	31.6
454.calculix	2	**1365**	**12.1**	1365	12.1	1365	12.1	2	1369	12.1	1365	12.1	**1366**	**12.1**
459.GemsFDTD	2	2025	10.5	2024	10.5	**2024**	**10.5**	2	2025	10.5	2024	10.5	**2024**	**10.5**
465.tonto	2	**1270**	**15.5**	1274	15.4	1268	15.5	2	1255	15.7	1263	15.6	**1261**	**15.6**
470.lbm	2	2541	10.8	**2542**	**10.8**	2543	10.8	2	**2543**	**10.8**	2542	10.8	2545	10.8
481.wrf	2	1160	19.3	1162	19.2	**1161**	**19.2**	2	**1161**	**19.2**	1162	19.2	1161	19.2
482.sphinx3	2	2163	18.0	**2164**	**18.0**	2164	18.0	2	**2149**	**18.1**	2153	18.1	2148	18.1

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

General Notes

```
The system bus runs at 667 MHz
System was configured with an nVIDIA GeForce Go 7900 GTX graphics card
Binaries were built on Windows XP Professional SP2
The start command with the /affinity switch was used to bind processes to cores
```

Base Compiler Invocation

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

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

SPEC CFP2006 Result
Copyright 2006-2014 Standard Performance Evaluation Corporation

Dell Inc.
(Test Sponsor: Intel Corporation)

Dell XPS M1710 (Intel Core Duo T2600)

$SPECfp\_rate2006 =$ 16.2

$SPECfp\_rate\_base2006 =$ 15.9

CPU2006 license: 13
Test sponsor: Intel Corporation
Tested by: Intel Corporation

Test date: Jun-2007
Hardware Availability: Jun-2007
Software Availability: May-2007

Base Compiler Invocation (Continued)

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:
```
-QxP -Qipo -O3 -Qprec-div- /F950000000 shlw32m.lib
        -link /FORCE:MULTIPLE
```

C++ benchmarks:
```
-QxP -Qipo -O3 -Qprec-div- -Qcxx_features /F950000000 shlw32m.lib
        -link /FORCE:MULTIPLE
```

Fortran benchmarks:
```
-QxP -Qipo -O3 -Qprec-div- /F950000000
```

Benchmarks using both Fortran and C:
```
-QxP -Qipo -O3 -Qprec-div- /F950000000
```

Peak Compiler Invocation

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

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

Fortran benchmarks:
```
ifort
```

Continued on next page

SPEC CFP2006 Result
Copyright 2006-2014 Standard Performance Evaluation Corporation

Dell Inc.
(Test Sponsor: Intel Corporation)

Dell XPS M1710 (Intel Core Duo T2600)

$SPECfp\_rate2006 =$ 16.2

$SPECfp\_rate\_base2006 =$ 15.9

CPU2006 license: 13	**Test date:** Jun-2007
Test sponsor: Intel Corporation	**Hardware Availability:** Jun-2007
Tested by: Intel Corporation	**Software Availability:** May-2007

Peak Compiler Invocation (Continued)

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:

```
    433.milc: -Qprof_gen(pass 1) -Qprof_use(pass 2) -QxP -Qipo -O3
              -Qprec-div- -Qunroll2 -Oa /F950000000 shlw32m.lib
                     -link /FORCE:MULTIPLE

     470.lbm: -Qprof_gen(pass 1) -Qprof_use(pass 2) -QxP -Qipo -O3
              -Qprec-div- -Qunroll2 -Qscalar-rep- -Qprefetch /F950000000
              shlw32m.lib          -link /FORCE:MULTIPLE

  482.sphinx3: -Qprof_gen(pass 1) -Qprof_use(pass 2) -QxP -Qipo -O3
              -Qprec-div- -Qunroll2 /F950000000 shlw32m.lib
                     -link /FORCE:MULTIPLE
```

C++ benchmarks:

```
    444.namd: -Qprof_gen(pass 1) -Qprof_use(pass 2) -QxP -Qipo -O3
              -Qprec-div- -Oa -Qcxx_features /F950000000 shlw32m.lib
                     -link /FORCE:MULTIPLE

   447.dealII: -Qprof_gen(pass 1) -Qprof_use(pass 2) -QxP -Qipo -O3
              -Qprec-div- -Qprefetch -Qcxx_features /F950000000
              shlw32m.lib          -link /FORCE:MULTIPLE

   450.soplex: -Qprof_gen(pass 1) -Qprof_use(pass 2) -QxP -Qipo -O3
              -Qprec-div- -Qcxx_features /F950000000 shlw32m.lib
                     -link /FORCE:MULTIPLE

   453.povray: -Qprof_gen(pass 1) -Qprof_use(pass 2) -QxP -Qipo -O3
              -Qprec-div- -Qansi-alias -Qcxx_features /F950000000
              shlw32m.lib          -link /FORCE:MULTIPLE
```

Continued on next page

SPEC CFP2006 Result
Copyright 2006-2014 Standard Performance Evaluation Corporation

Dell Inc.
(Test Sponsor: Intel Corporation)

Dell XPS M1710 (Intel Core Duo T2600)

SPECfp_rate2006 =   16.2

SPECfp_rate_base2006 = 15.9

CPU2006 license: 13	**Test date:**	Jun-2007
Test sponsor: Intel Corporation	**Hardware Availability:**	Jun-2007
Tested by: Intel Corporation	**Software Availability:**	May-2007

Peak Optimization Flags (Continued)

Fortran benchmarks:

    410.bwaves: `-QxP -Qipo -O3 -Qprec-div- /F950000000`

    416.gamess: `-Qprof_gen`(pass 1) `-Qprof_use`(pass 2) `-QxP -Qipo -O3`
                 `-Qprec-div- -Qunroll2 -Ob0 -Qansi-alias -Qscalar-rep-`
                 `/F950000000`

    434.zeusmp: `-Qprof_gen`(pass 1) `-Qprof_use`(pass 2) `-QxP -O2 -Qprec_div-`
                 `-Qunroll0 -Qscalar-rep- /F950000000`

    437.leslie3d: `-Qprof_gen`(pass 1) `-Qprof_use`(pass 2) `-QxP -Qipo -O3`
                 `-Qprec-div- /F950000000`

  459.GemsFDTD: `basepeak = yes`

     465.tonto: `Same as 437.leslie3d`

Benchmarks using both Fortran and C:

    435.gromacs: `-Qprof_gen`(pass 1) `-Qprof_use`(pass 2) `-QxP -Qipo -O3`
                 `-Qprec-div- -Oa /F950000000`

  436.cactusADM: `basepeak = yes`

    454.calculix: `-QxP -Qipo -O3 -Qprec-div- /F950000000`

      481.wrf: `Same as 454.calculix`

The flags file that was used to format this result can be browsed at
http://www.spec.org/cpu2006/flags/Intel-ic10-ia32-intel64-linux-flags.20090714.43.html

You can also download the XML flags source by saving the following link:
http://www.spec.org/cpu2006/flags/Intel-ic10-ia32-intel64-linux-flags.20090714.43.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 12:19:24 2014 by SPEC CPU2006 PS/PDF formatter v6932.
Originally published on 21 August 2007.