# SPEC® CPU2017 Floating Point Speed Result

## Dell Inc.

PowerEdge MX740c (Intel Xeon Gold 6134, 3.20GHz)

<table>
<thead>
<tr>
<th>Software Availability: Feb-2018</th>
<th>Test Sponsor: Dell Inc.</th>
<th>Tested by: Dell Inc.</th>
<th>Test Date: Mar-2018</th>
<th>Hardware Availability: Sep-2018</th>
</tr>
</thead>
</table>

### SPECspeed2017_fp_base = 82.3
SPECspeed2017_fp_peak = 83.6

### Threads

<table>
<thead>
<tr>
<th>Benchmark</th>
<th>Threads</th>
<th>SPECspeed2017_fp_base</th>
<th>SPECspeed2017_fp_peak</th>
</tr>
</thead>
<tbody>
<tr>
<td>603.bwaves_s</td>
<td>16</td>
<td>82.3</td>
<td>83.6</td>
</tr>
<tr>
<td>607.cactuBSSN_s</td>
<td>16</td>
<td>84.0</td>
<td>87.4</td>
</tr>
<tr>
<td>619.lbm_s</td>
<td>16</td>
<td>39.7</td>
<td>41.5</td>
</tr>
<tr>
<td>621.wrf_s</td>
<td>16</td>
<td>63.5</td>
<td>67.3</td>
</tr>
<tr>
<td>627.cam4_s</td>
<td>16</td>
<td>47.5</td>
<td>49.7</td>
</tr>
<tr>
<td>628.pop2_s</td>
<td>16</td>
<td>61.9</td>
<td>64.2</td>
</tr>
<tr>
<td>638.imagick_s</td>
<td>16</td>
<td>63.1</td>
<td>65.2</td>
</tr>
<tr>
<td>644.nab_s</td>
<td>16</td>
<td>113</td>
<td>113</td>
</tr>
<tr>
<td>649.fotonik3d_s</td>
<td>16</td>
<td>72.4</td>
<td>72.6</td>
</tr>
<tr>
<td>654.roms_s</td>
<td>16</td>
<td>101</td>
<td>107</td>
</tr>
</tbody>
</table>

### Hardware

- **CPU Name:** Intel Xeon Gold 6134
- **Max MHz.:** 3700
- **Nominal:** 3200
- **Enabled:** 16 cores, 2 chips
- **Orderable:** 1.2 chips
- **Cache L1:** 32 KB I + 32 KB D on chip per core
- **Cache L2:** 1 MB I+D on chip per core
- **Cache L3:** 24.75 MB I+D on chip per chip
- **Memory:** 192 GB (12 x 16 GB 2Rx8 PC4-2666V-R)
- **Storage:** 960 GB SAS SSD
- **Other:** None

### Software

- **OS:** SUSE Linux Enterprise Server 12 SP3 4.4.114-94.11-default
- **Compiler:** C/C++: Version 18.0.0.128 of Intel C/C++ Compiler for Linux; Fortran: Version 18.0.0.128 of Intel Fortran Compiler for Linux
- **Parallel:** Yes
- **Firmware:** Version 0.3.12 released Feb-2018
- **File System:** xfs
- **System State:** Run level 3 (multi-user)
- **Base Pointers:** 64-bit
- **Peak Pointers:** 64-bit
- **Other:** None
Dell Inc.
PowerEdge MX740c (Intel Xeon Gold 6134, 3.20GHz)

SPECspeed2017_fp_base = 82.3
SPECspeed2017_fp_peak = 83.6

Results Table

<table>
<thead>
<tr>
<th>Benchmark</th>
<th>Threads</th>
<th>Seconds</th>
<th>Ratio</th>
<th>Threads</th>
<th>Seconds</th>
<th>Ratio</th>
<th>Seconds</th>
<th>Ratio</th>
<th>Seconds</th>
<th>Ratio</th>
<th>Seconds</th>
<th>Ratio</th>
</tr>
</thead>
<tbody>
<tr>
<td>603.bwaves_s</td>
<td>16</td>
<td>157</td>
<td>376</td>
<td>16</td>
<td>145</td>
<td>407</td>
<td>144</td>
<td>410</td>
<td>16</td>
<td>145</td>
<td>407</td>
<td></td>
</tr>
<tr>
<td>607.cactuBSSN_s</td>
<td>16</td>
<td>198</td>
<td>84.0</td>
<td>179</td>
<td>93.0</td>
<td>180</td>
<td>92.4</td>
<td>177</td>
<td>94.0</td>
<td>180</td>
<td>92.7</td>
<td></td>
</tr>
<tr>
<td>619.lbm_s</td>
<td>16</td>
<td>143</td>
<td>36.5</td>
<td>133</td>
<td>39.3</td>
<td>134</td>
<td>39.2</td>
<td>132</td>
<td>39.7</td>
<td>133</td>
<td>39.5</td>
<td></td>
</tr>
<tr>
<td>621.wrf_s</td>
<td>16</td>
<td>208</td>
<td>63.5</td>
<td>208</td>
<td>63.5</td>
<td>186</td>
<td>47.7</td>
<td>187</td>
<td>47.3</td>
<td>186</td>
<td>47.9</td>
<td></td>
</tr>
<tr>
<td>627.cam4_s</td>
<td>16</td>
<td>186</td>
<td>47.7</td>
<td>186</td>
<td>47.7</td>
<td>187</td>
<td>47.3</td>
<td>186</td>
<td>47.6</td>
<td>187</td>
<td>47.5</td>
<td></td>
</tr>
<tr>
<td>628.pop2_s</td>
<td>16</td>
<td>194</td>
<td>61.3</td>
<td>196</td>
<td>60.6</td>
<td>192</td>
<td>62.0</td>
<td>195</td>
<td>61.0</td>
<td>192</td>
<td>61.9</td>
<td></td>
</tr>
<tr>
<td>638.imagick_s</td>
<td>16</td>
<td>228</td>
<td>63.3</td>
<td>229</td>
<td>63.0</td>
<td>228</td>
<td>63.1</td>
<td>228</td>
<td>63.3</td>
<td>229</td>
<td>63.0</td>
<td></td>
</tr>
<tr>
<td>644.nab_s</td>
<td>16</td>
<td>155</td>
<td>113</td>
<td>155</td>
<td>113</td>
<td>155</td>
<td>113</td>
<td>155</td>
<td>113</td>
<td>155</td>
<td>113</td>
<td></td>
</tr>
<tr>
<td>649.fotonik3d_s</td>
<td>16</td>
<td>126</td>
<td>72.4</td>
<td>124</td>
<td>73.3</td>
<td>126</td>
<td>72.3</td>
<td>124</td>
<td>73.5</td>
<td>126</td>
<td>72.6</td>
<td></td>
</tr>
<tr>
<td>654.roms_s</td>
<td>16</td>
<td>155</td>
<td>102</td>
<td>155</td>
<td>102</td>
<td>156</td>
<td>101</td>
<td>156</td>
<td>101</td>
<td>156</td>
<td>101</td>
<td></td>
</tr>
</tbody>
</table>

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

Operating System Notes

Stack size set to unlimited using "ulimit -s unlimited"

General Notes

Environment variables set by runcpu before the start of the run:
KMP_AFFINITY = "granularity=fine,compact"
OMP_STACKSIZE = "192M"

Binaries compiled on a system with 1x Intel Core i7-4790 CPU + 32GB RAM memory using Redhat Enterprise Linux 7.4
Yes: The test sponsor attests, as of date of publication, that CVE-2017-5754 (Meltdown) is mitigated in the system as tested and documented.
Yes: The test sponsor attests, as of date of publication, that CVE-2017-5753 (Spectre variant 1) is mitigated in the system as tested and documented.
Yes: The test sponsor attests, as of date of publication, that CVE-2017-5715 (Spectre variant 2) is mitigated in the system as tested and documented.
Transparent Huge Pages enabled by default
Prior to runcpu invocation
Filesystem page cache synced and cleared with:
  sync; echo 3> /proc/sys/vm/drop_caches

Platform Notes

BIOS settings:
Sub NUMA Cluster Disabled
Virtualization Technology Disabled

(Continued on next page)
SPEC CPU2017 Floating Point Speed Result

Dell Inc.
PowerEdge MX740c (Intel Xeon Gold 6134, 3.20GHz)

<table>
<thead>
<tr>
<th>SPECspeed2017_fp_base</th>
<th>SPECspeed2017_fp_peak</th>
</tr>
</thead>
<tbody>
<tr>
<td>82.3</td>
<td>83.6</td>
</tr>
</tbody>
</table>

CPU2017 License: 55
Test Sponsor: Dell Inc.
Tested by: Dell Inc.

SUT (System Under Test) info as seen by some common utilities.
For more information on this section, see
https://www.spec.org/cpu2017/Docs/config.html#sysinfo

From /proc/cpuinfo
model name : Intel(R) Xeon(R) Gold 6134 CPU @ 3.20GHz
  2 "physical id"s (chips)
  16 "processors"
cores, siblings (Caution: counting these is hw and system dependent. The following excerpts from /proc/cpuinfo might not be reliable. Use with caution.)
cpu cores : 8
siblings : 8
physical 0: cores 0 2 3 9 16 19 26 27
physical 1: cores 0 2 3 9 16 19 26 27

From lscpu:
Architectures: x86_64
CPU op-mode(s): 32-bit, 64-bit
Byte Order: Little Endian
CPU(s): 16
On-line CPU(s) list: 0-15
Thread(s) per core: 1
Core(s) per socket: 8
Socket(s): 2
NUMA node(s): 2
Vendor ID: GenuineIntel
CPU family: 6
Model: 85
Model name: Intel(R) Xeon(R) Gold 6134 CPU @ 3.20GHz
Stepping: 4
CPU MHz: 3192.472
BogoMIPS: 6384.94
Virtualization: VT-x

Platform Notes (Continued)

System Profile set to Custom
CPU Performance set to Maximum Performance
C States set to Autonomous
C1EE Disabled
Uncore Frequency set to Dynamic
Energy Efficiency Policy set to Performance
Memory Patrol Scrub Disabled
Logical Processor Disabled
CPU Interconnect Bus Link Power Management Disabled
PCI ASPM L1 Link Power Management Disabled
Sysinfo program /root/cpu2017/bin/sysinfo
Rev: r5797 of 2017-06-14 96c45e4568ad54c135fd618bcc091c0f
running on linux-kuth Wed Mar 14 13:48:05 2018

(Continued on next page)
SPEC CPU2017 Floating Point Speed Result

Dell Inc.

PowerEdge MX740c (Intel Xeon Gold 6134, 3.20GHz)

SPECspeed2017_fp_base = 82.3
SPECspeed2017_fp_peak = 83.6

Platform Notes (Continued)

<table>
<thead>
<tr>
<th>Cache Type</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>L1d cache</td>
<td>32K</td>
</tr>
<tr>
<td>L1i cache</td>
<td>32K</td>
</tr>
<tr>
<td>L2 cache</td>
<td>1024K</td>
</tr>
<tr>
<td>L3 cache</td>
<td>25344K</td>
</tr>
</tbody>
</table>

NUMA node0 CPU(s): 0,2,4,6,8,10,12,14
NUMA node1 CPU(s): 1,3,5,7,9,11,13,15

Flags:
fpu vme de pse tsx msr pae mce cx8 apic sep mtrr pge mca cmov
pat pse36 clflush dts acpi mmx fxsr sse sse2 ss ht tm pbe syscall nx pdpe1gb rdtscp
lm constant_tsc art arch_perfmon pebs bts rep_good nops nopUCTP xtopology nonstop_tsc
aperfmpref eagerfpu pni pclmulqdq dtst64 monitor ds_cpl vmx smx est tm2 ssse3 sdbg
fma cx16 xtpr pdcm pcdi dca ssse4 _sse4 _2 x2apic movbe popcnt tsc_deadline_timer aes
xsave avx f16c rdrand lahf_lm abm 3dnowprefetch ida arat epb invpcid_single pln pts
dtherm intel_pt rsb_ctxsw spec_ctrl retpoline kaiser tpr_shadow vnmi flexpriority
ept_vpid fsgsbase tsc_adjust bni hle avx2 smep bmi2 erms invpcid rtm cqm mpx
avx512f avx512dq rdseed adx smap clflushopt clwb avx512cd avx512bw avx512vl xsaveopt
xsavec xgetbv1 cqm_l1c cqm_occup_l1c pku ospke

From numactl --hardware WARNING: a numactl 'node' might or might not correspond to a
physical chip.

```
   available: 2 nodes (0-1)
   node 0 cpus: 0 2 4 6 8 10 12 14
   node 0 size: 95354 MB
   node 0 free: 89827 MB
   node 1 cpus: 1 3 5 7 9 11 13 15
   node 1 size: 96749 MB
   node 1 free: 93946 MB
   node distances:
      node 0 1
      0: 10 21
      1: 21 10
```

From /proc/meminfo

```
MemTotal: 196715324 kB
HugePages_Total: 0
Hugepagesize: 2048 kB
```

From /usr/bin/lsb_release -d

```
SUSE Linux Enterprise Server 12 SP3
```

From /etc/*release* /etc/*version*

```
SuSE-release:
   SUSE Linux Enterprise Server 12 (x86_64)
   VERSION = 12
   PATCHLEVEL = 3
```

(Continued on next page)
SPEC CPU2017 Floating Point Speed Result

Dell Inc.
PowerEdge MX740c (Intel Xeon Gold 6134, 3.20GHz)  

<table>
<thead>
<tr>
<th>SPECspeed2017_fp_base</th>
<th>82.3</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPECspeed2017_fp_peak</td>
<td>83.6</td>
</tr>
</tbody>
</table>

CPU2017 License: 55  
Test Sponsor: Dell Inc.  
Tested by: Dell Inc.  
Test Date: Mar-2018  
Hardware Availability: Sep-2018  
Software Availability: Feb-2018

Platform Notes (Continued)

# This file is deprecated and will be removed in a future service pack or release.  
# Please check /etc/os-release for details about this release.

```
os-release:
  NAME="SLES"
  VERSION="12-SP3"
  VERSION_ID="12.3"
  PRETTY_NAME="SUSE Linux Enterprise Server 12 SP3"
  ID="sles"
  ANSI_COLOR="0;32"
  CPE_NAME="cpe:/o:suse:sles:12:sp3"
```

uname -a:

```
Linux linux-kuth 4.4.114-94.11-default #1 SMP Thu Feb 1 19:28:26 UTC 2018 (4309ff9) 
  
x86_64 x86_64 x86_64 GNU/Linux
```

run-level 3 Feb 22 00:32

SPEC is set to: /root/cpu2017

```
Filesystem  Type  Size  Used Avail Use% Mounted on
/dev/sda2    xfs   890G   22G  868G   3% /
```

Additional information from dmidecode follows. WARNING: Use caution when you interpret 
this section. The 'dmidecode' program reads system data which is "intended to allow 
hardware to be accurately determined", but the intent may not be met, as there are 
frequent changes to hardware, firmware, and the "DMTF SMBIOS" standard.

```
BIOS Dell Inc. 0.3.12 02/06/2018
Memory: 
  12x 00AD063200AD HMA82GR7AF8N-VK 16 GB 2 rank 2666
  12x Not Specified Not Specified
```

(End of data from sysinfo program)

Compiler Version Notes

```
==============================================================================
CC  619.lbm_s(base) 638.imagick_s(base, peak) 644.nab_s(base, peak)
==============================================================================
icc (ICC) 18.0.0 20170811
Copyright (C) 1985-2017 Intel Corporation. All rights reserved.
==============================================================================

==============================================================================
CC  619.lbm_s(peak)
==============================================================================
icc (ICC) 18.0.0 20170811
Copyright (C) 1985-2017 Intel Corporation. All rights reserved.
```

(Continued on next page)
Dell Inc.
PowerEdge MX740c (Intel Xeon Gold 6134, 3.20GHz)  

<table>
<thead>
<tr>
<th>SPECspeed2017_fp_base</th>
<th>82.3</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPECspeed2017_fp_peak</td>
<td>83.6</td>
</tr>
</tbody>
</table>

CPU2017 License: 55  
Test Sponsor: Dell Inc.  
Hardware Availability: Sep-2018  
Tested by: Dell Inc.  
Software Availability: Feb-2018

Test Date: Mar-2018

Compiler Version Notes (Continued)

```
FC 607.cactuBSSN_s(base)

icpc (ICC) 18.0.0 20170811
Copyright (C) 1985-2017 Intel Corporation. All rights reserved.

icc (ICC) 18.0.0 20170811
Copyright (C) 1985-2017 Intel Corporation. All rights reserved.

ifort (IFORT) 18.0.0 20170811
Copyright (C) 1985-2017 Intel Corporation. All rights reserved.
```

```
FC 607.cactuBSSN_s(peak)

icpc (ICC) 18.0.0 20170811
Copyright (C) 1985-2017 Intel Corporation. All rights reserved.

icc (ICC) 18.0.0 20170811
Copyright (C) 1985-2017 Intel Corporation. All rights reserved.

ifort (IFORT) 18.0.0 20170811
Copyright (C) 1985-2017 Intel Corporation. All rights reserved.
```

```
FC 603.bwaves_s(base) 649.fotonik3d_s(base) 654.roms_s(base)

ifort (IFORT) 18.0.0 20170811
Copyright (C) 1985-2017 Intel Corporation. All rights reserved.
```

```
FC 603.bwaves_s(peak) 649.fotonik3d_s(peak) 654.roms_s(peak)

ifort (IFORT) 18.0.0 20170811
Copyright (C) 1985-2017 Intel Corporation. All rights reserved.
```

```
CC 621.wrf_s(base) 627.cam4_s(base, peak) 628.pop2_s(base)

ifort (IFORT) 18.0.0 20170811
Copyright (C) 1985-2017 Intel Corporation. All rights reserved.
```
SPEC CPU2017 Floating Point Speed Result

Dell Inc.
PowerEdge MX740c (Intel Xeon Gold 6134, 3.20GHz)

SPECspeed2017_fp_base = 82.3
SPECspeed2017_fp_peak = 83.6

CPU2017 License: 55
Test Sponsor: Dell Inc.
Tested by: Dell Inc.

Test Date: Mar-2018
Hardware Availability: Sep-2018
Software Availability: Feb-2018

Compiler Version Notes (Continued)

==============================================================================
CC   621.wrf_s(peak) 628.pop2_s(peak)
------------------------------------------------------------------------------
ifort (IFORT) 18.0.0 20170811
Copyright (C) 1985-2017 Intel Corporation. All rights reserved.
icc (ICC) 18.0.0 20170811
Copyright (C) 1985-2017 Intel Corporation. All rights reserved.
==============================================================================

Base Compiler Invocation

C benchmarks:
icc

Fortran benchmarks:
ifort

Benchmarks using both Fortran and C:
ifort icc

Benchmarks using Fortran, C, and C++:
icpc icc ifort

Base Portability Flags

603.bwaves_s: -DSPEC_LP64
607.cactuBSSN_s: -DSPEC_LP64
619.lbm_s: -DSPEC_LP64
621.wrf_s: -DSPEC_LP64 -DSPEC_CASE_FLAG -convert big_endian
627.cam4_s: -DSPEC_LP64 -DSPEC_CASE_FLAG
628.pop2_s: -DSPEC_LP64 -DSPEC_CASE_FLAG -convert big_endian
-assume byterecl
638.imagick_s: -DSPEC_LP64
644.nab_s: -DSPEC_LP64
649.fotonik3d_s: -DSPEC_LP64
654.roms_s: -DSPEC_LP64

Base Optimization Flags

C benchmarks:
-xCORE-AVX512 -ipo -O3 -no-prec-div -qopt-prefetch

(Continued on next page)
Dell Inc. PowerEdge MX740c (Intel Xeon Gold 6134, 3.20GHz)

| SPECspeed2017_fp_base | 82.3 |
| SPECspeed2017_fp_peak | 83.6 |

**CPU2017 License:** 55  
**Test Sponsor:** Dell Inc.  
**Test Date:** Mar-2018  
**Tested by:** Dell Inc.  
**Hardware Availability:** Sep-2018  
**Software Availability:** Feb-2018

---

### Base Optimization Flags (Continued)

- **C benchmarks (continued):**  
  - `-ffinite-math-only`  
  - `-qopt-mem-layout-trans=3`  
  - `-qopenmp`  
  - `-DSPEC_OPENMP`

- **Fortran benchmarks:**  
  - `-DSPEC_OPENMP`  
  - `-xCORE-AVX512`  
  - `-ipo`  
  - `-O3`  
  - `-no-prec-div`  
  - `-qopt-prefetch`

- **Base Other Flags**
  - **C benchmarks:**  
    - `-m64`  
    - `--std=c11`  
  - **Fortran benchmarks:**  
    - `-m64`  
  - **Benchmarks using both Fortran and C:**  
    - `-m64`  
    - `--std=c11`

- **Benchmarks using Fortran, C, and C++:**  
  - `-m64`  
  - `--std=c11`

---

### Peak Compiler Invocation

- **C benchmarks:**  
  - `icc`

- **Fortran benchmarks:**  
  - `ifort`

- **Benchmarks using both Fortran and C:**  
  - `ifort icc`
Dell Inc.
PowerEdge MX740c (Intel Xeon Gold 6134, 3.20GHz)  SPECspeed2017_fp_base = 82.3
SPECspeed2017_fp_peak = 83.6

CPU2017 License: 55  Test Date:  Mar-2018
Test Sponsor:  Dell Inc.  Hardware Availability:  Sep-2018
Tested by:  Dell Inc.  Software Availability:  Feb-2018

Peak Compiler Invocation (Continued)

Benchmarks using Fortran, C, and C++:
icpc icc ifort

Peak Portability Flags
Same as Base Portability Flags

Peak Optimization Flags

C benchmarks:
619.lbm_s: -prof-gen(pass 1) -prof-use(pass 2) -O2 -xCORE-AVX512
-qopt-prefetch -ipo -O3 -ffinite-math-only -no-prec-div
-qopt-mem-layout-trans=3 -DSPEC_SUPPRESS_OPENMP -qopenmp
-DSPEC_OPENMP

638.imagick_s: -xCORE-AVX512 -ipo -O3 -no-prec-div -qopt-prefetch
-ffinite-math-only -qopt-mem-layout-trans=3 -qopenmp
-DSPEC_OPENMP

644.nab_s: Same as 638.imagick_s

Fortran benchmarks:
-prof-gen(pass 1) -prof-use(pass 2) -DSPEC_SUPPRESS_OPENMP
-DSPEC_OPENMP -O2 -xCORE-AVX512 -qopt-prefetch -ipo -O3
-ffinite-math-only -no-prec-div -qopt-mem-layout-trans=3 -qopenmp
-nostandard-realloc-lhs -align array32byte

Benchmarks using both Fortran and C:
621.wrf_s: -prof-gen(pass 1) -prof-use(pass 2) -O2 -xCORE-AVX512
-qopt-prefetch -ipo -O3 -ffinite-math-only -no-prec-div
-qopt-mem-layout-trans=3 -DSPEC_SUPPRESS_OPENMP -qopenmp
-DSPEC_OPENMP -nostandard-realloc-lhs -align array32byte

627.cam4_s: -xCORE-AVX512 -ipo -O3 -no-prec-div -qopt-prefetch
-ffinite-math-only -qopt-mem-layout-trans=3 -qopenmp
-DSPEC_OPENMP -nostandard-realloc-lhs -align array32byte

(Continued on next page)
Dell Inc.
PowerEdge MX740c (Intel Xeon Gold 6134, 3.20GHz)

<table>
<thead>
<tr>
<th>SPECspeed2017_fp_base</th>
<th>82.3</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPECspeed2017_fp_peak</td>
<td>83.6</td>
</tr>
</tbody>
</table>

CPU2017 License: 55
Test Sponsor: Dell Inc.
Test Date: Mar-2018
Hardware Availability: Sep-2018
Tested by: Dell Inc.
Software Availability: Feb-2018

Peak Optimization Flags (Continued)

628.pop2_s: Same as 621.wrf_s

Benchmarks using Fortran, C, and C++:
- prof-gen(pass 1) -prof-use(pass 2) -O2 -xCORE-AVX512 -qopt-prefetch
- ipo -O3 -ffinite-math-only -no-prec-div -qopt-mem-layout-trans=3
- DSPEC_SUPPRESS_OPENMP -qopenmp -DSPEC_OPENMP -nostandard-realloc-lhs
- align array32byte

Peak Other Flags

C benchmarks:
- m64 -std=c11

Fortran benchmarks:
- m64

Benchmarks using both Fortran and C:
- m64 -std=c11

Benchmarks using Fortran, C, and C++:
- m64 -std=c11

The flags files that were used to format this result can be browsed at

You can also download the XML flags sources by saving the following links:

SPEC is a registered trademark 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 info@spec.org.

Tested with SPEC CPU2017 v1.0.2 on 2018-03-14 01:48:04-0400.
Originally published on 2018-10-16.