SPEC® CPU2017 Floating Point Rate Result

Copyright 2017-2019 Standard Performance Evaluation Corporation

Supermicro
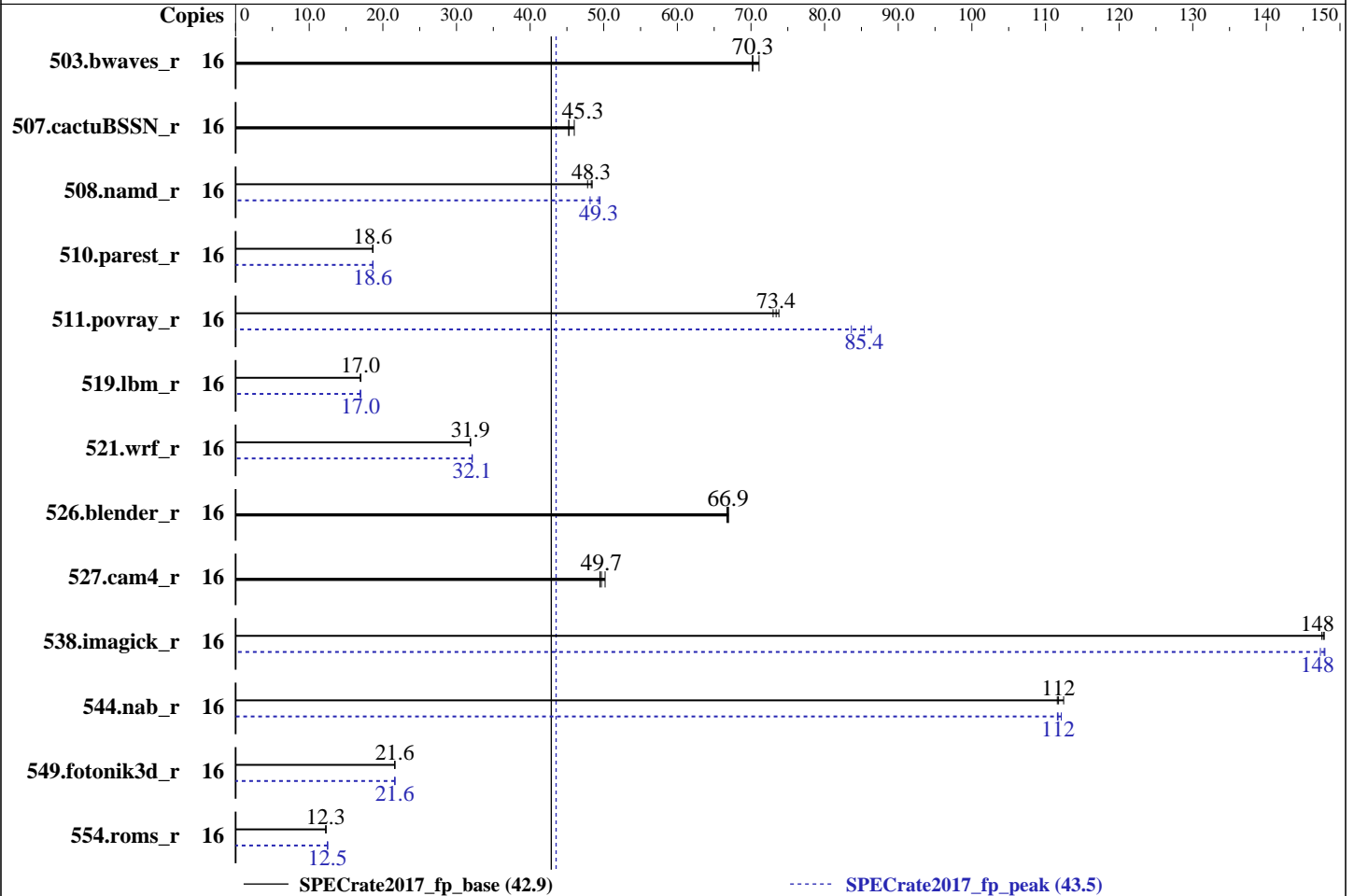
SuperWorkstation 5039C-T (X11SCA , Intel Core i9-9900K)

SPECrate2017_fp_base = 42.9

SPECrate2017_fp_peak = 43.5

CPU2017 License: 001176
Test Sponsor: Supermicro
Tested by: Supermicro

Test Date: Dec-2018
Hardware Availability: Oct-2018
Software Availability: Mar-2018

Copies	
503.bwaves_r	16
507.cactuBSSN_r	16
508.namd_r	16
510.parest_r	16
511.povray_r	16
519.lbm_r	16
521.wrf_r	16
526.blender_r	16
527.cam4_r	16
538.imagick_r	16
544.nab_r	16
549.fotonik3d_r	16
554.roms_r	16

503.bwaves_r: 70.3
507.cactuBSSN_r: 45.3
508.namd_r: 48.3 / 49.3
510.parest_r: 18.6 / 18.6
511.povray_r: 73.4 / 85.4
519.lbm_r: 17.0 / 17.0
521.wrf_r: 31.9 / 32.1
526.blender_r: 66.9
527.cam4_r: 49.7
538.imagick_r: 148 / 148
544.nab_r: 112 / 112
549.fotonik3d_r: 21.6 / 21.6
554.roms_r: 12.3 / 12.5

SPECrate2017_fp_base (42.9) ------ SPECrate2017_fp_peak (43.5)

Hardware

CPU Name: Intel Core i9-9900K
 Max MHz.: 5000
 Nominal: 3600
Enabled: 8 cores, 1 chip, 2 threads/core
Orderable: 1 chip
Cache L1: 32 KB I + 32 KB D on chip per core
 L2: 256 KB I+D on chip per core
 L3: 16 MB I+D on chip per chip
 Other: None
Memory: 64 GB (4 x 16 GB 2Rx8 PC4-2666V-E)
Storage: 1 x 200 GB SATA III SSD
Other: None

Software

OS: SUSE Linux Enterprise Server 12 SP3 (x86_64)
 Kernel 4.4.114-94.11-default
Compiler: C/C++: Version 18.0.2.199 of Intel C/C++
 Compiler for Linux;
 Fortran: Version 18.0.2.199 of Intel Fortran
 Compiler for Linux
Parallel: No
Firmware: Version 1.0a released Sep-2018
File System: xfs
System State: Run level 3 (multi-user)
Base Pointers: 64-bit
Peak Pointers: 64-bit
Other: None

Standard Performance Evaluation Corporation (info@spec.org)

https://www.spec.org/

SPEC CPU2017 Floating Point Rate Result

Copyright 2017-2019 Standard Performance Evaluation Corporation

Supermicro

SuperWorkstation 5039C-T (X11SCA , Intel Core i9-9900K)

SPECrate2017_fp_base =   42.9

SPECrate2017_fp_peak =   43.5

CPU2017 License: 001176	**Test Date:** Dec-2018
Test Sponsor: Supermicro	**Hardware Availability:** Oct-2018
Tested by: Supermicro	**Software Availability:** Mar-2018

Results Table

Benchmark	Copies	Base Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Copies	Peak Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
503.bwaves_r	16	2257	71.1	**2284**	**70.3**	2286	70.2	16	2257	71.1	**2284**	**70.3**	2286	70.2
507.cactuBSSN_r	16	440	46.0	**448**	**45.3**	448	45.3	16	440	46.0	**448**	**45.3**	448	45.3
508.namd_r	16	314	48.4	318	47.8	**315**	**48.3**	16	**308**	**49.3**	316	48.1	307	49.5
510.parest_r	16	2250	18.6	**2245**	**18.6**	2242	18.7	16	2247	18.6	**2245**	**18.6**	2243	18.7
511.povray_r	16	512	73.0	**509**	**73.4**	506	73.8	16	447	83.6	**438**	**85.4**	433	86.3
519.lbm_r	16	992	17.0	**994**	**17.0**	995	17.0	16	994	17.0	995	16.9	**994**	**17.0**
521.wrf_r	16	**1124**	**31.9**	1123	31.9	1124	31.9	16	1115	32.1	**1116**	**32.1**	1116	32.1
526.blender_r	16	365	66.7	**364**	**66.9**	364	66.9	16	365	66.7	**364**	**66.9**	364	66.9
527.cam4_r	16	558	50.2	**563**	**49.7**	565	49.5	16	558	50.2	**563**	**49.7**	565	49.5
538.imagick_r	16	269	148	**269**	**148**	270	148	16	**269**	**148**	269	148	270	147
544.nab_r	16	**241**	**112**	239	112	241	112	16	240	112	241	112	**241**	**112**
549.fotonik3d_r	16	**2884**	**21.6**	2883	21.6	2884	21.6	16	**2884**	**21.6**	2882	21.6	2884	21.6
554.roms_r	16	**2074**	**12.3**	2074	12.3	2073	12.3	16	2040	12.5	2033	12.5	**2036**	**12.5**
SPECrate2017_fp_base =		**42.9**												
SPECrate2017_fp_peak =		**43.5**												

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

Submit Notes

The taskset mechanism was used to bind copies to processors. The config file option 'submit' was used to generate taskset commands to bind each copy to a specific processor. For details, please see the config file.

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:
LD_LIBRARY_PATH = "/home/cpu2017/lib/intel64"

Binaries compiled on a system with 1x Intel Core i7-6700K CPU + 32GB RAM
memory using Redhat Enterprise Linux 7.5
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

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)

(Continued on next page)

SPEC CPU2017 Floating Point Rate Result

Copyright 2017-2019 Standard Performance Evaluation Corporation

Supermicro

SuperWorkstation 5039C-T (X11SCA , Intel Core i9-9900K)

SPECrate2017_fp_base = 42.9

SPECrate2017_fp_peak = 43.5

CPU2017 License: 001176
Test Sponsor: Supermicro
Tested by: Supermicro

Test Date: Dec-2018
Hardware Availability: Oct-2018
Software Availability: Mar-2018

General Notes (Continued)

```
    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.
```

Platform Notes

```
    Sysinfo program /home/cpu2017/bin/sysinfo
    Rev: r5974 of 2018-05-19 9bcde8f2999c33d61f64985e45859ea9
    running on linux-65nv Tue Dec 25 22:06:49 2018

    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) Core(TM) i9-9900K CPU @ 3.60GHz
          1  "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  : 16
          physical 0: cores 0 1 2 3 4 5 6 7

    From lscpu:
       Architecture:          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:    2
       Core(s) per socket:    8
       Socket(s):             1
       NUMA node(s):          1
       Vendor ID:             GenuineIntel
       CPU family:            6
       Model:                 158
       Model name:            Intel(R) Core(TM) i9-9900K CPU @ 3.60GHz
       Stepping:              12
       CPU MHz:               4876.368
       CPU max MHz:           5000.0000
       CPU min MHz:           800.0000
       BogoMIPS:              7199.88
       Virtualization:        VT-x
       L1d cache:             32K
       L1i cache:             32K
```

(Continued on next page)

Supermicro

SuperWorkstation 5039C-T (X11SCA , Intel Core
i9-9900K)

SPECrate2017_fp_base = 42.9

SPECrate2017_fp_peak = 43.5

CPU2017 License: 001176

Test Sponsor: Supermicro

Tested by: Supermicro

Test Date: Dec-2018

Hardware Availability: Oct-2018

Software Availability: Mar-2018

Platform Notes (Continued)

```
      L2 cache:              256K
      L3 cache:              16384K
      NUMA node0 CPU(s):     0-15
      Flags:                 fpu vme de pse tsc 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 nopl xtopology nonstop_tsc
   aperfmperf eagerfpu pni pclmulqdq dtes64 monitor ds_cpl vmx smx est tm2 ssse3 sdbg
   fma cx16 xtpr pdcm pcid sse4_1 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 hwp hwp_notify hwp_act_window hwp_epp intel_pt rsb_ctxsw spec_ctrl retpoline
   kaiser tpr_shadow vnmi flexpriority ept vpid fsgsbase tsc_adjust bmi1 hle avx2 smep
   bmi2 erms invpcid rtm mpx rdseed adx smap clflushopt xsaveopt xsavec xgetbv1

 /proc/cpuinfo cache data
    cache size : 16384 KB

 From numactl --hardware  WARNING: a numactl 'node' might or might not correspond to a
 physical chip.
   available: 1 nodes (0)
   node 0 cpus: 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
   node 0 size: 64281 MB
   node 0 free: 51395 MB
   node distances:
   node   0
     0:  10

 From /proc/meminfo
    MemTotal:       65824708 kB
    HugePages_Total:        0
    Hugepagesize:        2048 kB

 From /etc/*release* /etc/*version*
    SuSE-release:
       SUSE Linux Enterprise Server 12 (x86_64)
       VERSION = 12
       PATCHLEVEL = 3
       # 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"
```

(Continued on next page)

Supermicro

SuperWorkstation 5039C-T (X11SCA , Intel Core i9-9900K)

SPECrate2017_fp_base = 42.9

SPECrate2017_fp_peak = 43.5

CPU2017 License: 001176
Test Sponsor: Supermicro
Tested by: Supermicro

Test Date: Dec-2018
Hardware Availability: Oct-2018
Software Availability: Mar-2018

Platform Notes (Continued)

```
 uname -a:
    Linux linux-65nv 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

 Kernel self-reported vulnerability status:

 CVE-2017-5754 (Meltdown):          Mitigation: PTI
 CVE-2017-5753 (Spectre variant 1): Mitigation: Barriers
 CVE-2017-5715 (Spectre variant 2): Mitigation: IBRS+IBPB

 run-level 3 Dec 25 10:57

 SPEC is set to: /home/cpu2017
    Filesystem      Type  Size  Used Avail Use% Mounted on
    /dev/sda3       xfs   145G   32G  113G  22% /home

 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 American Megatrends Inc. 1.0a 09/27/2018
   Memory:
    4x Micron 18ADF2G72AZ-2G6H1R 16 GB 2 rank 2667

 (End of data from sysinfo program)
```

Compiler Version Notes

```
==============================================================================
 CC   519.lbm_r(base) 538.imagick_r(base, peak) 544.nab_r(base, peak)
------------------------------------------------------------------------------
icc (ICC) 18.0.2 20180210
Copyright (C) 1985-2018 Intel Corporation.  All rights reserved.
------------------------------------------------------------------------------


==============================================================================
 CC   519.lbm_r(peak)
------------------------------------------------------------------------------
icc (ICC) 18.0.2 20180210
Copyright (C) 1985-2018 Intel Corporation.  All rights reserved.
------------------------------------------------------------------------------


==============================================================================
 CXXC 508.namd_r(base) 510.parest_r(base, peak)
------------------------------------------------------------------------------
icpc (ICC) 18.0.2 20180210
```

(Continued on next page)

Supermicro

SuperWorkstation 5039C-T (X11SCA , Intel Core i9-9900K)

SPECrate2017_fp_base = 42.9

SPECrate2017_fp_peak = 43.5

CPU2017 License: 001176
Test Sponsor: Supermicro
Tested by: Supermicro

Test Date: Dec-2018
Hardware Availability: Oct-2018
Software Availability: Mar-2018

Compiler Version Notes (Continued)

```
Copyright (C) 1985-2018 Intel Corporation.  All rights reserved.
-------------------------------------------------------------------------------


==============================================================================
CXXC 508.namd_r(peak)
-------------------------------------------------------------------------------
icpc (ICC) 18.0.2 20180210
Copyright (C) 1985-2018 Intel Corporation.  All rights reserved.
-------------------------------------------------------------------------------


==============================================================================
 CC  511.povray_r(base) 526.blender_r(base, peak)
-------------------------------------------------------------------------------
icpc (ICC) 18.0.2 20180210
Copyright (C) 1985-2018 Intel Corporation.  All rights reserved.
icc (ICC) 18.0.2 20180210
Copyright (C) 1985-2018 Intel Corporation.  All rights reserved.
-------------------------------------------------------------------------------


==============================================================================
CC   511.povray_r(peak)
-------------------------------------------------------------------------------
icpc (ICC) 18.0.2 20180210
Copyright (C) 1985-2018 Intel Corporation.  All rights reserved.
icc (ICC) 18.0.2 20180210
Copyright (C) 1985-2018 Intel Corporation.  All rights reserved.
-------------------------------------------------------------------------------


==============================================================================
 FC  507.cactuBSSN_r(base, peak)
-------------------------------------------------------------------------------
icpc (ICC) 18.0.2 20180210
Copyright (C) 1985-2018 Intel Corporation.  All rights reserved.
icc (ICC) 18.0.2 20180210
Copyright (C) 1985-2018 Intel Corporation.  All rights reserved.
ifort (IFORT) 18.0.2 20180210
Copyright (C) 1985-2018 Intel Corporation.  All rights reserved.
-------------------------------------------------------------------------------


==============================================================================
 FC  503.bwaves_r(base, peak) 549.fotonik3d_r(base, peak) 554.roms_r(base)
-------------------------------------------------------------------------------
ifort (IFORT) 18.0.2 20180210
Copyright (C) 1985-2018 Intel Corporation.  All rights reserved.
-------------------------------------------------------------------------------


==============================================================================
```

(Continued on next page)

SPEC CPU2017 Floating Point Rate Result

Supermicro

SuperWorkstation 5039C-T (X11SCA , Intel Core i9-9900K)

SPECrate2017_fp_base =   42.9

SPECrate2017_fp_peak =   43.5

CPU2017 License: 001176
Test Sponsor: Supermicro
Tested by: Supermicro

Test Date: Dec-2018
Hardware Availability: Oct-2018
Software Availability: Mar-2018

Compiler Version Notes (Continued)

```
FC   554.roms_r(peak)
-------------------------------------------------------------------------
ifort (IFORT) 18.0.2 20180210
Copyright (C) 1985-2018 Intel Corporation.  All rights reserved.
-------------------------------------------------------------------------


==========================================================================
 CC  521.wrf_r(base) 527.cam4_r(base)
-------------------------------------------------------------------------
ifort (IFORT) 18.0.2 20180210
Copyright (C) 1985-2018 Intel Corporation.  All rights reserved.
icc (ICC) 18.0.2 20180210
Copyright (C) 1985-2018 Intel Corporation.  All rights reserved.
-------------------------------------------------------------------------


==========================================================================
CC   521.wrf_r(peak) 527.cam4_r(peak)
-------------------------------------------------------------------------
ifort (IFORT) 18.0.2 20180210
Copyright (C) 1985-2018 Intel Corporation.  All rights reserved.
icc (ICC) 18.0.2 20180210
Copyright (C) 1985-2018 Intel Corporation.  All rights reserved.
-------------------------------------------------------------------------
```

Base Compiler Invocation

C benchmarks:
```
icc -m64 -std=c11
```

C++ benchmarks:
```
icpc -m64
```

Fortran benchmarks:
```
ifort -m64
```

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

Benchmarks using both C and C++:
```
icpc -m64 icc -m64 -std=c11
```

Benchmarks using Fortran, C, and C++:
```
icpc -m64 icc -m64 -std=c11 ifort -m64
```

SPEC CPU2017 Floating Point Rate Result

Copyright 2017-2019 Standard Performance Evaluation Corporation

Supermicro

SuperWorkstation 5039C-T (X11SCA , Intel Core i9-9900K)

SPECrate2017_fp_base = 42.9

SPECrate2017_fp_peak = 43.5

CPU2017 License: 001176
Test Sponsor: Supermicro
Tested by: Supermicro

Test Date: Dec-2018
Hardware Availability: Oct-2018
Software Availability: Mar-2018

Base Portability Flags

503.bwaves_r: `-DSPEC_LP64`
507.cactuBSSN_r: `-DSPEC_LP64`
508.namd_r: `-DSPEC_LP64`
510.parest_r: `-DSPEC_LP64`
511.povray_r: `-DSPEC_LP64`
519.lbm_r: `-DSPEC_LP64`
521.wrf_r: `-DSPEC_LP64 -DSPEC_CASE_FLAG -convert big_endian`
526.blender_r: `-DSPEC_LP64 -DSPEC_LINUX -funsigned-char`
527.cam4_r: `-DSPEC_LP64 -DSPEC_CASE_FLAG`
538.imagick_r: `-DSPEC_LP64`
544.nab_r: `-DSPEC_LP64`
549.fotonik3d_r: `-DSPEC_LP64`
554.roms_r: `-DSPEC_LP64`

Base Optimization Flags

C benchmarks:
`-xCORE-AVX2 -ipo -O3 -no-prec-div -qopt-prefetch -ffinite-math-only`
`-qopt-mem-layout-trans=3`

C++ benchmarks:
`-xCORE-AVX2 -ipo -O3 -no-prec-div -qopt-prefetch -ffinite-math-only`
`-qopt-mem-layout-trans=3`

Fortran benchmarks:
`-xCORE-AVX2 -ipo -O3 -no-prec-div -qopt-prefetch -ffinite-math-only`
`-qopt-mem-layout-trans=3 -auto -nostandard-realloc-lhs`

Benchmarks using both Fortran and C:
`-xCORE-AVX2 -ipo -O3 -no-prec-div -qopt-prefetch -ffinite-math-only`
`-qopt-mem-layout-trans=3 -auto -nostandard-realloc-lhs`

Benchmarks using both C and C++:
`-xCORE-AVX2 -ipo -O3 -no-prec-div -qopt-prefetch -ffinite-math-only`
`-qopt-mem-layout-trans=3`

Benchmarks using Fortran, C, and C++:
`-xCORE-AVX2 -ipo -O3 -no-prec-div -qopt-prefetch -ffinite-math-only`
`-qopt-mem-layout-trans=3 -auto -nostandard-realloc-lhs`

Standard Performance Evaluation Corporation (info@spec.org)
https://www.spec.org/

SPEC CPU2017 Floating Point Rate Result

Copyright 2017-2019 Standard Performance Evaluation Corporation

Supermicro

SuperWorkstation 5039C-T (X11SCA , Intel Core i9-9900K)

SPECrate2017_fp_base = 42.9

SPECrate2017_fp_peak = 43.5

CPU2017 License: 001176		**Test Date:**	Dec-2018
Test Sponsor:	Supermicro	**Hardware Availability:**	Oct-2018
Tested by:	Supermicro	**Software Availability:**	Mar-2018

Peak Compiler Invocation

C benchmarks:
```
icc -m64 -std=c11
```

C++ benchmarks:
```
icpc -m64
```

Fortran benchmarks:
```
ifort -m64
```

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

Benchmarks using both C and C++:
```
icpc -m64 icc -m64 -std=c11
```

Benchmarks using Fortran, C, and C++:
```
icpc -m64 icc -m64 -std=c11 ifort -m64
```

Peak Portability Flags

```
Same as Base Portability Flags
```

Peak Optimization Flags

C benchmarks:

519.lbm_r: `-prof-gen(pass 1) -prof-use(pass 2) -ipo -xCORE-AVX2 -O3 -no-prec-div -qopt-prefetch -ffinite-math-only -qopt-mem-layout-trans=3`

538.imagick_r: `-xCORE-AVX2 -ipo -O3 -no-prec-div -qopt-prefetch -ffinite-math-only -qopt-mem-layout-trans=3`

544.nab_r: `Same as 538.imagick_r`

C++ benchmarks:

508.namd_r: `-prof-gen(pass 1) -prof-use(pass 2) -ipo -xCORE-AVX2 -O3 -no-prec-div -qopt-prefetch -ffinite-math-only -qopt-mem-layout-trans=3`

(Continued on next page)

Standard Performance Evaluation Corporation (info@spec.org)
https://www.spec.org/

SPEC CPU2017 Floating Point Rate Result

Copyright 2017-2019 Standard Performance Evaluation Corporation

Supermicro

SuperWorkstation 5039C-T (X11SCA , Intel Core i9-9900K)

SPECrate2017_fp_base = 42.9

SPECrate2017_fp_peak = 43.5

CPU2017 License: 001176
Test Sponsor: Supermicro
Tested by: Supermicro

Test Date: Dec-2018
Hardware Availability: Oct-2018
Software Availability: Mar-2018

Peak Optimization Flags (Continued)

510.parest_r: -xCORE-AVX2 -ipo -O3 -no-prec-div -qopt-prefetch
-ffinite-math-only -qopt-mem-layout-trans=3

Fortran benchmarks:

503.bwaves_r: basepeak = yes

549.fotonik3d_r: -xCORE-AVX2 -ipo -O3 -no-prec-div -qopt-prefetch
-ffinite-math-only -qopt-mem-layout-trans=3 -auto
-nostandard-realloc-lhs

554.roms_r: -prof-gen(pass 1) -prof-use(pass 2) -ipo -xCORE-AVX2 -O3
-no-prec-div -qopt-prefetch -ffinite-math-only
-qopt-mem-layout-trans=3 -auto -nostandard-realloc-lhs

Benchmarks using both Fortran and C:

521.wrf_r: -prof-gen(pass 1) -prof-use(pass 2) -ipo -xCORE-AVX2 -O3
-no-prec-div -qopt-prefetch -ffinite-math-only
-qopt-mem-layout-trans=3 -auto -nostandard-realloc-lhs

527.cam4_r: basepeak = yes

Benchmarks using both C and C++:

511.povray_r: -prof-gen(pass 1) -prof-use(pass 2) -ipo -xCORE-AVX2 -O3
-no-prec-div -qopt-prefetch -ffinite-math-only
-qopt-mem-layout-trans=3

526.blender_r: basepeak = yes

Benchmarks using Fortran, C, and C++:

507.cactuBSSN_r: basepeak = yes

The flags files that were used to format this result can be browsed at
http://www.spec.org/cpu2017/flags/Intel-ic18.0-official-linux64.2017-12-21.html
http://www.spec.org/cpu2017/flags/Supermicro-Platform-Settings-V1.2-SKL-revD.html

You can also download the XML flags sources by saving the following links:
http://www.spec.org/cpu2017/flags/Intel-ic18.0-official-linux64.2017-12-21.xml
http://www.spec.org/cpu2017/flags/Supermicro-Platform-Settings-V1.2-SKL-revD.xml

Standard Performance Evaluation Corporation (info@spec.org)

https://www.spec.org/

SPEC CPU2017 Floating Point Rate Result

Copyright 2017-2019 Standard Performance Evaluation Corporation

Supermicro

SuperWorkstation 5039C-T (X11SCA , Intel Core i9-9900K)

SPECrate2017_fp_base = 42.9

SPECrate2017_fp_peak = 43.5

CPU2017 License: 001176		**Test Date:**	Dec-2018
Test Sponsor:	Supermicro	**Hardware Availability:**	Oct-2018
Tested by:	Supermicro	**Software Availability:**	Mar-2018

For questions about this result, please contact the tester. For other inquiries, please contact info@spec.org.

Tested with SPEC CPU2017 v1.0.5 on 2018-12-25 09:06:48-0500.
Report generated on 2019-01-22 16:45:03 by CPU2017 PDF formatter v6067.
Originally published on 2019-01-22.