



# SPEC® CPU2017 Floating Point Rate Result

Copyright 2017-2019 Standard Performance Evaluation Corporation

**Fujitsu**

PRIMERGY TX1330 M3, Intel Core i3-7100,  
3.90GHz

**SPECrate2017\_fp\_base = 19.2**

**SPECrate2017\_fp\_peak = 19.6**

CPU2017 License: 19

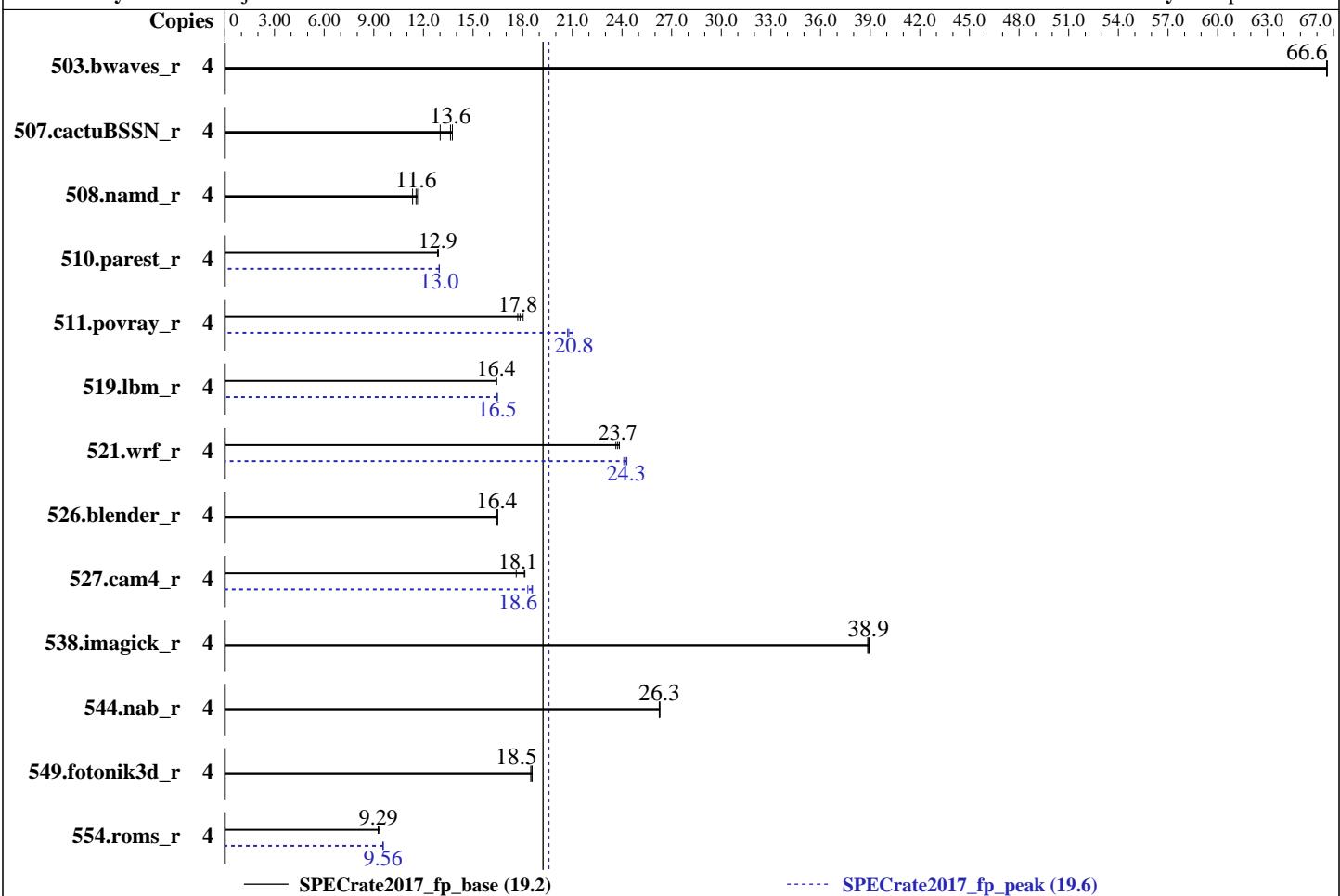
Test Sponsor: Fujitsu

Tested by: Fujitsu

**Test Date:** Nov-2018

**Hardware Availability:** May-2017

**Software Availability:** Sep-2018



— SPECrate2017\_fp\_base (19.2)

----- SPECrate2017\_fp\_peak (19.6)

## Hardware

CPU Name: Intel Core i3-7100  
 Max MHz.: 3900  
 Nominal: 3900  
 Enabled: 2 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: 3 MB I+D on chip per chip  
 Other: None  
 Memory: 64 GB (4 x 16 GB 2Rx8 PC4-2400T-E)  
 Storage: 1 x SATA HDD, 2TB, 7200RPM  
 Other: None

## Software

OS: SUSE Linux Enterprise Server 15  
 4.12.14-23-default  
 Compiler: C/C++: Version 19.0.0.117 of Intel C/C++  
 Compiler for Linux;  
 Fortran: Version 19.0.0.117 of Intel Fortran  
 Compiler for Linux  
 Parallel: No  
 Firmware: Fujitsu BIOS Version V5.0.0.11 R1.21.0 for D3373-B1x. Released Nov-2018  
 File System: xfs  
 System State: Run level 3 (multi-user)  
 Base Pointers: 64-bit  
 Peak Pointers: 64-bit  
 Other: None



# SPEC CPU2017 Floating Point Rate Result

Copyright 2017-2019 Standard Performance Evaluation Corporation

Fujitsu

PRIMERGY TX1330 M3, Intel Core i3-7100,  
3.90GHz

**SPECrate2017\_fp\_base = 19.2**

**SPECrate2017\_fp\_peak = 19.6**

CPU2017 License: 19

Test Sponsor: Fujitsu

Tested by: Fujitsu

Test Date: Nov-2018

Hardware Availability: May-2017

Software Availability: Sep-2018

## Results Table

Benchmark	Base							Peak						
	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
503.bwaves_r	4	602	66.6	<b>602</b>	<b>66.6</b>	602	66.6	4	602	66.6	<b>602</b>	<b>66.6</b>	602	66.6
507.cactuBSSN_r	4	<b>371</b>	<b>13.6</b>	368	13.7	389	13.0	4	<b>371</b>	<b>13.6</b>	368	13.7	389	13.0
508.namd_r	4	326	11.6	335	11.3	<b>329</b>	<b>11.6</b>	4	326	11.6	335	11.3	<b>329</b>	<b>11.6</b>
510.parest_r	4	<b>813</b>	<b>12.9</b>	811	12.9	814	12.9	4	<b>807</b>	<b>13.0</b>	807	13.0	808	12.9
511.povray_r	4	528	17.7	<b>524</b>	<b>17.8</b>	518	18.0	4	451	20.7	444	21.0	<b>449</b>	<b>20.8</b>
519.lbm_r	4	<b>257</b>	<b>16.4</b>	257	16.4	257	16.4	4	256	16.5	<b>256</b>	<b>16.5</b>	256	16.5
521.wrf_r	4	376	23.8	<b>377</b>	<b>23.7</b>	379	23.6	4	<b>369</b>	<b>24.3</b>	372	24.1	369	24.3
526.blender_r	4	369	16.5	<b>371</b>	<b>16.4</b>	372	16.4	4	369	16.5	<b>371</b>	<b>16.4</b>	372	16.4
527.cam4_r	4	<b>387</b>	<b>18.1</b>	397	17.6	386	18.1	4	<b>377</b>	<b>18.6</b>	382	18.3	376	18.6
538.imagick_r	4	256	38.8	<b>256</b>	<b>38.9</b>	256	38.9	4	256	38.8	<b>256</b>	<b>38.9</b>	256	38.9
544.nab_r	4	256	26.3	256	26.3	<b>256</b>	<b>26.3</b>	4	256	26.3	256	26.3	<b>256</b>	<b>26.3</b>
549.fotonik3d_r	4	840	18.6	<b>841</b>	<b>18.5</b>	843	18.5	4	840	18.6	<b>841</b>	<b>18.5</b>	843	18.5
554.roms_r	4	686	9.27	680	9.35	<b>684</b>	<b>9.29</b>	4	<b>665</b>	<b>9.56</b>	664	9.57	666	9.54

**SPECrate2017\_fp\_base = 19.2**

**SPECrate2017\_fp\_peak = 19.6**

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"
echo always > /sys/kernel/mm/transparent_hugepage/enabled
echo 1 > /proc/sys/vm/drop_caches
echo 1000000000 > /proc/sys/kernel/sched_min_granularity_ns
echo 1500000000 > /proc/sys/kernel/sched_wakeup_granularity_ns
```

## General Notes

Environment variables set by runcpu before the start of the run:

LD\_LIBRARY\_PATH = "/home/Benchmark/speccpu2017-ic19-20181011/icc19-lib/intel64"

Binaries compiled on a system with 2x Intel Xeon Silver 4108 CPU + 384GB RAM memory using SUSE Linux Enterprise Server 12 SP2

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

(Continued on next page)



# SPEC CPU2017 Floating Point Rate Result

Copyright 2017-2019 Standard Performance Evaluation Corporation

Fujitsu

PRIMERGY TX1330 M3, Intel Core i3-7100,  
3.90GHz

SPECrate2017\_fp\_base = 19.2

SPECrate2017\_fp\_peak = 19.6

CPU2017 License: 19

Test Date: Nov-2018

Test Sponsor: Fujitsu

Hardware Availability: May-2017

Tested by: Fujitsu

Software Availability: Sep-2018

## General Notes (Continued)

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.

## Platform Notes

BIOS configuration:

Fan Control = Full

Sysinfo program /home/Benchmark/speccpu2017-ic19-20181011/bin/sysinfo

Rev: r5797 of 2017-06-14 96c45e4568ad54c135fd618bcc091c0f

running on TX1330M3 Wed Nov 28 01:44:07 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) i3-7100 CPU @ 3.90GHz
  1 "physical id"s (chips)
  4 "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 : 2
  siblings : 4
  physical 0: cores 0 1
```

From lscpu:

```
Architecture:           x86_64
CPU op-mode(s):        32-bit, 64-bit
Byte Order:            Little Endian
CPU(s):                4
On-line CPU(s) list:  0-3
Thread(s) per core:   2
Core(s) per socket:   2
Socket(s):             1
NUMA node(s):          1
Vendor ID:             GenuineIntel
CPU family:            6
Model:                 158
Model name:            Intel(R) Core(TM) i3-7100 CPU @ 3.90GHz
Stepping:               9
CPU MHz:               3900.000
```

(Continued on next page)



# SPEC CPU2017 Floating Point Rate Result

Copyright 2017-2019 Standard Performance Evaluation Corporation

Fujitsu

PRIMERGY TX1330 M3, Intel Core i3-7100,  
3.90GHz

SPECrate2017\_fp\_base = 19.2

SPECrate2017\_fp\_peak = 19.6

CPU2017 License: 19

Test Date: Nov-2018

Test Sponsor: Fujitsu

Hardware Availability: May-2017

Tested by: Fujitsu

Software Availability: Sep-2018

## Platform Notes (Continued)

CPU max MHz: 3900.0000  
CPU min MHz: 800.0000  
BogoMIPS: 7824.00  
Virtualization: VT-x  
L1d cache: 32K  
L1i cache: 32K  
L2 cache: 256K  
L3 cache: 3072K  
NUMA node0 CPU(s): 0-3  
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 xtTopology nonstop\_tsc cpuid aperfmpf perf tsc\_known\_freq pni pclmulqdq dtes64 monitor ds\_cpl vmx 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 cpuid\_fault epb invpcid\_single pti tpr\_shadow vnmi flexpriority ept vpid fsgsbase tsc\_adjust bmil avx2 smep bmi2 erms invpcid mpx rdseed adx smap clflushopt intel\_pt xsaveopt xsavec xgetbv1 xsaves ibpb ibrs stibp dtherm arat pln pts hwp hwp\_notify hwp\_act\_window hwp\_epp ssbd

/proc/cpuinfo cache data  
cache size : 3072 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  
node 0 size: 64034 MB  
node 0 free: 63564 MB  
node distances:  
node 0  
0: 10

From /proc/meminfo  
MemTotal: 65571408 kB  
HugePages\_Total: 0  
Hugepagesize: 2048 kB

From /etc/\*release\* /etc/\*version\*  
os-release:  
NAME="SLES"  
VERSION="15"  
VERSION\_ID="15"  
PRETTY\_NAME="SUSE Linux Enterprise Server 15"  
ID="sles"  
ID\_LIKE="suse"  
ANSI\_COLOR="0;32"  
CPE\_NAME="cpe:/o:suse:sles:15"

(Continued on next page)



# SPEC CPU2017 Floating Point Rate Result

Copyright 2017-2019 Standard Performance Evaluation Corporation

Fujitsu

PRIMERGY TX1330 M3, Intel Core i3-7100,  
3.90GHz

SPECrate2017\_fp\_base = 19.2

SPECrate2017\_fp\_peak = 19.6

CPU2017 License: 19

Test Date: Nov-2018

Test Sponsor: Fujitsu

Hardware Availability: May-2017

Tested by: Fujitsu

Software Availability: Sep-2018

## Platform Notes (Continued)

```
uname -a:  
Linux TX1330M3 4.12.14-23-default #1 SMP Tue May 29 21:04:44 UTC 2018 (cd0437b) x86_64  
x86_64 x86_64 GNU/Linux  
  
run-level 3 Nov 27 18:37  
  
SPEC is set to: /home/Benchmark/speccpu2017-ic19-20181011  
Filesystem      Type  Size  Used Avail Use% Mounted on  
/dev/sda4        xfs   1.7T   27G  1.7T   2% /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 FUJITSU // American Megatrends Inc. V5.0.0.11 R1.21.0 for D3373-B1x  
11/20/2018  
Memory:  
4x Samsung M391A2K43BB1-CRC 16 GB 2 rank 2400  
  
(End of data from sysinfo program)
```

## Compiler Version Notes

```
=====  
CC 519.lbm_r(base) 538.imagick_r(base) 544.nab_r(base)  
-----  
icc (ICC) 19.0.0.117 20180804  
Copyright (C) 1985-2018 Intel Corporation. All rights reserved.  
-----  
=====  
CC 519.lbm_r(peak) 538.imagick_r(peak) 544.nab_r(peak)  
-----  
icc (ICC) 19.0.0.117 20180804  
Copyright (C) 1985-2018 Intel Corporation. All rights reserved.  
-----  
=====  
CXXC 508.namd_r(base) 510.parest_r(base)  
-----  
icpc (ICC) 19.0.0.117 20180804  
Copyright (C) 1985-2018 Intel Corporation. All rights reserved.  
-----  
=====
```

(Continued on next page)



# SPEC CPU2017 Floating Point Rate Result

Copyright 2017-2019 Standard Performance Evaluation Corporation

Fujitsu

PRIMERGY TX1330 M3, Intel Core i3-7100,  
3.90GHz

SPECrate2017\_fp\_base = 19.2

SPECrate2017\_fp\_peak = 19.6

CPU2017 License: 19

Test Sponsor: Fujitsu

Tested by: Fujitsu

Test Date: Nov-2018

Hardware Availability: May-2017

Software Availability: Sep-2018

## Compiler Version Notes (Continued)

CXXC 508.namd\_r(peak) 510.parest\_r(peak)

icpc (ICC) 19.0.0.117 20180804

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

=====

CC 511.povray\_r(base) 526.blender\_r(base)

=====

icpc (ICC) 19.0.0.117 20180804

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

icc (ICC) 19.0.0.117 20180804

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

=====

CC 511.povray\_r(peak) 526.blender\_r(peak)

=====

icpc (ICC) 19.0.0.117 20180804

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

icc (ICC) 19.0.0.117 20180804

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

=====

FC 507.cactubSSN\_r(base)

=====

icpc (ICC) 19.0.0.117 20180804

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

icc (ICC) 19.0.0.117 20180804

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

ifort (IFORT) 19.0.0.117 20180804

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

=====

FC 507.cactubSSN\_r(peak)

=====

icpc (ICC) 19.0.0.117 20180804

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

icc (ICC) 19.0.0.117 20180804

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

ifort (IFORT) 19.0.0.117 20180804

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

(Continued on next page)



# SPEC CPU2017 Floating Point Rate Result

Copyright 2017-2019 Standard Performance Evaluation Corporation

Fujitsu

PRIMERGY TX1330 M3, Intel Core i3-7100,  
3.90GHz

SPECrate2017\_fp\_base = 19.2

SPECrate2017\_fp\_peak = 19.6

CPU2017 License: 19

Test Date: Nov-2018

Test Sponsor: Fujitsu

Hardware Availability: May-2017

Tested by: Fujitsu

Software Availability: Sep-2018

## Compiler Version Notes (Continued)

FC 503.bwaves\_r(base) 549.fotonik3d\_r(base) 554.roms\_r(base)

ifort (IFORT) 19.0.0.117 20180804  
Copyright (C) 1985-2018 Intel Corporation. All rights reserved.

=====

FC 503.bwaves\_r(peak) 549.fotonik3d\_r(peak) 554.roms\_r(peak)

ifort (IFORT) 19.0.0.117 20180804  
Copyright (C) 1985-2018 Intel Corporation. All rights reserved.

=====

CC 521.wrf\_r(base) 527.cam4\_r(base)

ifort (IFORT) 19.0.0.117 20180804  
Copyright (C) 1985-2018 Intel Corporation. All rights reserved.  
icc (ICC) 19.0.0.117 20180804  
Copyright (C) 1985-2018 Intel Corporation. All rights reserved.

=====

CC 521.wrf\_r(peak) 527.cam4\_r(peak)

ifort (IFORT) 19.0.0.117 20180804  
Copyright (C) 1985-2018 Intel Corporation. All rights reserved.  
icc (ICC) 19.0.0.117 20180804  
Copyright (C) 1985-2018 Intel Corporation. All rights reserved.

## Base Compiler Invocation

C benchmarks:

icc -m64 -std=c11

C++ benchmarks:

icpc -m64

Fortran benchmarks:

fortran -m64

Benchmarks using both Fortran and C:

fortran -m64 icc -m64 -std=c11

(Continued on next page)



# SPEC CPU2017 Floating Point Rate Result

Copyright 2017-2019 Standard Performance Evaluation Corporation

Fujitsu

PRIMERGY TX1330 M3, Intel Core i3-7100,  
3.90GHz

SPECrate2017\_fp\_base = 19.2

SPECrate2017\_fp\_peak = 19.6

CPU2017 License: 19

Test Sponsor: Fujitsu

Tested by: Fujitsu

Test Date: Nov-2018

Hardware Availability: May-2017

Software Availability: Sep-2018

## Base Compiler Invocation (Continued)

Benchmarks using both C and C++:

icpc -m64icc -m64 -std=c11

Benchmarks using Fortran, C, and C++:

icpc -m64icc -m64 -std=c11 ifort -m64

## Base Portability Flags

503.bwaves\_r: -DSPEC\_LP64  
507.cactusBSSN\_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

(Continued on next page)



# SPEC CPU2017 Floating Point Rate Result

Copyright 2017-2019 Standard Performance Evaluation Corporation

Fujitsu

PRIMERGY TX1330 M3, Intel Core i3-7100,  
3.90GHz

SPECrate2017\_fp\_base = 19.2

SPECrate2017\_fp\_peak = 19.6

CPU2017 License: 19

Test Sponsor: Fujitsu

Tested by: Fujitsu

Test Date: Nov-2018

Hardware Availability: May-2017

Software Availability: Sep-2018

## Base Optimization Flags (Continued)

Benchmarks using both C and C++ (continued):

-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

## 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 -m64icc -m64 -std=c11

Benchmarks using Fortran, C, and C++:

icpc -m64icc -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

(Continued on next page)



# SPEC CPU2017 Floating Point Rate Result

Copyright 2017-2019 Standard Performance Evaluation Corporation

Fujitsu

PRIMERGY TX1330 M3, Intel Core i3-7100,  
3.90GHz

SPECrate2017\_fp\_base = 19.2

SPECrate2017\_fp\_peak = 19.6

CPU2017 License: 19

Test Sponsor: Fujitsu

Tested by: Fujitsu

Test Date: Nov-2018

Hardware Availability: May-2017

Software Availability: Sep-2018

## Peak Optimization Flags (Continued)

538.imagick\_r: basepeak = yes

544.nab\_r: basepeak = yes

C++ benchmarks:

508.namd\_r: basepeak = yes

510.parest\_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

Fortran benchmarks:

503.bwaves\_r: basepeak = yes

549.fotonik3d\_r: basepeak = yes

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:

-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 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/Fujitsu-Platform-Settings-V1.2-BDW-RevF.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/Fujitsu-Platform-Settings-V1.2-BDW-RevF.xml>



# SPEC CPU2017 Floating Point Rate Result

Copyright 2017-2019 Standard Performance Evaluation Corporation

Fujitsu

PRIMERGY TX1330 M3, Intel Core i3-7100,  
3.90GHz

SPECCrate2017\_fp\_base = 19.2

SPECCrate2017\_fp\_peak = 19.6

CPU2017 License: 19

Test Date: Nov-2018

Test Sponsor: Fujitsu

Hardware Availability: May-2017

Tested by: Fujitsu

Software Availability: Sep-2018

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](mailto:info@spec.org).

Tested with SPEC CPU2017 v1.0.2 on 2018-11-27 11:44:06-0500.

Report generated on 2019-01-08 16:44:17 by CPU2017 PDF formatter v6067.

Originally published on 2019-01-08.