SPEC CPU®2017 Floating Point Rate Result

Copyright 2017-2022 Standard Performance Evaluation Corporation

Fujitsu

PRIMERGY TX1330 M5, Intel Xeon E-2378, 2.60GHz

$SPECrate®2017\_fp\_base =$ **53.4**

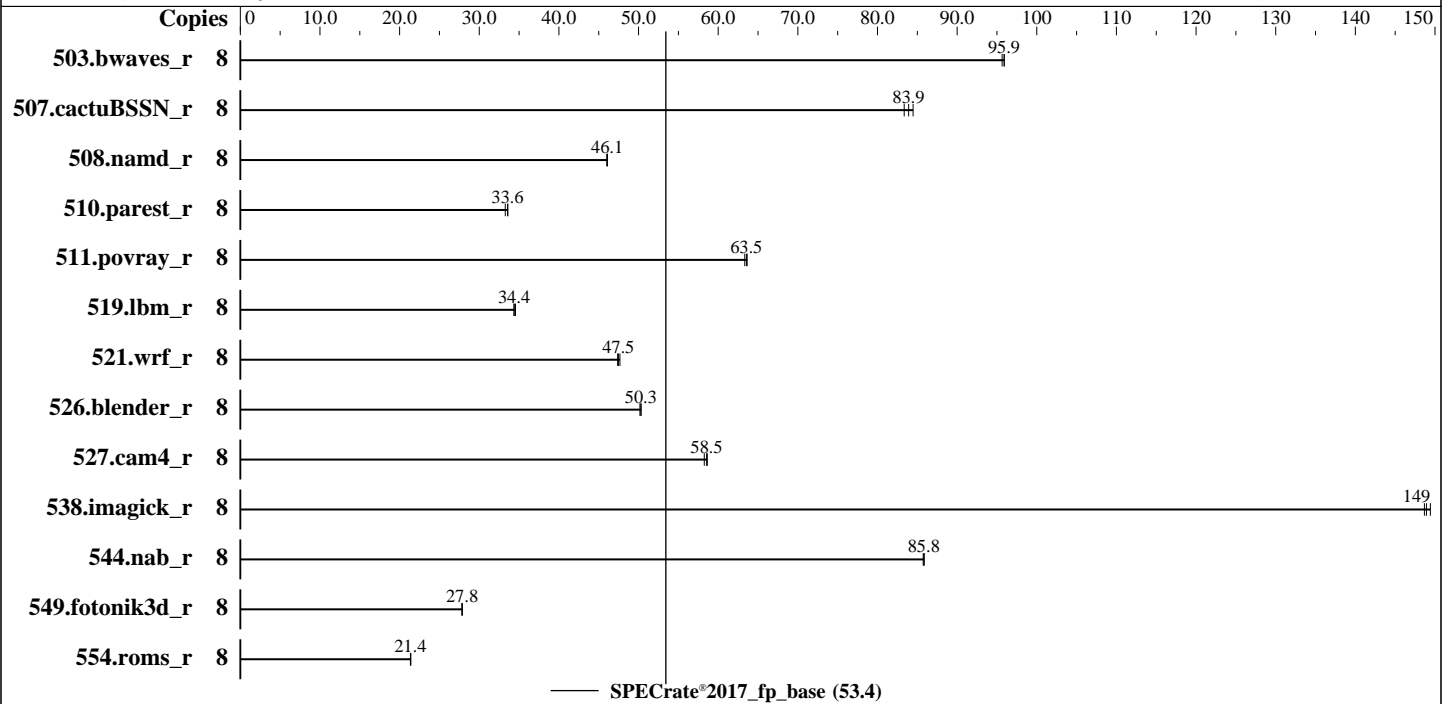$SPECrate®2017\_fp\_peak =$ Not Run

CPU2017 License: 19

Test Sponsor: Fujitsu

Tested by: Fujitsu

Test Date: Jan-2022

Hardware Availability: Mar-2022

Software Availability: Jun-2021

Benchmark	Copies	Result
503.bwaves_r	8	95.9
507.cactuBSSN_r	8	83.9
508.namd_r	8	46.1
510.parest_r	8	33.6
511.povray_r	8	63.5
519.lbm_r	8	34.4
521.wrf_r	8	47.5
526.blender_r	8	50.3
527.cam4_r	8	58.5
538.imagick_r	8	149
544.nab_r	8	85.8
549.fotonik3d_r	8	27.8
554.roms_r	8	21.4

SPECrate®2017_fp_base (53.4)

Hardware

CPU Name: Intel Xeon E-2378

Max MHz: 4800

Nominal: 2600

Enabled: 8 cores, 1 chip

Orderable: 1 chip

Cache L1: 32 KB I + 48 KB D on chip per core

L2: 512 KB I+D on chip per core

L3: 16 MB I+D on chip per chip

Other: None

Memory: 32 GB (2 x 16 GB 2Rx8 PC4-3200AA-E)

Storage: 1 x SATA M.2 SSD, 240GB

Other: None

Software

OS: SUSE Linux Enterprise Server 15 SP3

5.3.18-57-default

Compiler: C/C++: Version 2021.1 of Intel oneAPI DPC++/C++ Compiler Build 20201113 for Linux;

Fortran: Version 2021.1 of Intel Fortran Compiler Classic Build 20201112 for Linux;

Parallel: No

Firmware: Fujitsu BIOS Version V5.0.0.22 R1.31.0 for D3931-A1x. Released Mar-2022

tested as V5.0.0.22 R1.20.0 for D3931-A1x Jan-2022

File System: xfs

System State: Run level 3 (multi-user)

Base Pointers: 64-bit

Peak Pointers: Not Applicable

Other: jemalloc memory allocator V5.0.1

Power Management: BIOS set to prefer performance at the cost of additional power usage

SPEC CPU®2017 Floating Point Rate Result

Copyright 2017-2022 Standard Performance Evaluation Corporation

Fujitsu

PRIMERGY TX1330 M5, Intel Xeon E-2378, 2.60GHz

SPECrate®2017_fp_base =	53.4

SPECrate®2017_fp_peak = Not Run

CPU2017 License: 19	**Test Date:** Jan-2022
Test Sponsor: Fujitsu	**Hardware Availability:** Mar-2022
Tested by: Fujitsu	**Software Availability:** Jun-2021

Results Table

Benchmark	Base							Peak						
	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
503.bwaves_r	8	836	95.9	**837**	**95.9**	839	95.7							
507.cactuBSSN_r	8	**121**	**83.9**	122	83.4	120	84.5							
508.namd_r	8	165	46.1	165	46.0	**165**	**46.1**							
510.parest_r	8	623	33.6	**624**	**33.6**	629	33.3							
511.povray_r	8	**294**	**63.5**	295	63.3	294	63.6							
519.lbm_r	8	244	34.6	**245**	**34.4**	245	34.4							
521.wrf_r	8	376	47.7	**377**	**47.5**	378	47.4							
526.blender_r	8	242	50.3	**242**	**50.3**	243	50.2							
527.cam4_r	8	**239**	**58.5**	239	58.6	240	58.3							
538.imagick_r	8	133	149	**134**	**149**	134	149							
544.nab_r	8	**157**	**85.8**	157	85.7	157	85.9							
549.fotonik3d_r	8	1119	27.8	**1120**	**27.8**	1120	27.8							
554.roms_r	8	594	21.4	**595**	**21.4**	595	21.4							

SPECrate®2017_fp_base =	**53.4**

SPECrate®2017_fp_peak = Not Run

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

Submit Notes

The numactl mechanism was used to bind copies to processors. The config file option 'submit' was used to generate numactl 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 madvise > /sys/kernel/mm/transparent_hugepage/enabled

Environment Variables Notes

Environment variables set by runcpu before the start of the run:
LD_LIBRARY_PATH =
    "/home/Sizing/speccpu-1.1.8_b/lib/intel64:/home/Sizing/speccpu-1.1.8_b/j
    e5.0.1-64"
MALLOC_CONF = "retain:true"

General Notes

Binaries compiled on a system with 1x Intel Core i9-7980XE CPU + 64GB RAM
memory using Red Hat Enterprise Linux 8.1

(Continued on next page)

SPEC CPU®2017 Floating Point Rate Result

Copyright 2017-2022 Standard Performance Evaluation Corporation

Fujitsu

PRIMERGY TX1330 M5, Intel Xeon E-2378, 2.60GHz

$SPECrate®2017\_fp\_base =$ 53.4

$SPECrate®2017_fp_peak = $ Not Run

CPU2017 License: 19
Test Sponsor: Fujitsu
Tested by: Fujitsu

Test Date: Jan-2022
Hardware Availability: Mar-2022
Software Availability: Jun-2021

General Notes (Continued)

```
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
runcpu command invoked through numactl i.e.:
numactl --interleave=all runcpu <etc>
NA: 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.
jemalloc, a general purpose malloc implementation
built with the RedHat Enterprise 7.5, and the system compiler gcc 4.8.5
sources available from jemalloc.net or https://github.com/jemalloc/jemalloc/releases
```

Platform Notes

```
BIOS configuration:
HyperThreading = Disabled
C-States Auto Demotion = Disabled
C-States Un Demotion = Disabled
DDR Speed Control = Auto
DMI Gen3 ASPM = ASPM L0s
Fan Control = Full
System date was wrongly set. The actual date is Jan-2022

Sysinfo program /home/Sizing/speccpu-1.1.8_b/bin/sysinfo
Rev: r6622 of 2021-04-07 982a61ec0915b55891ef0e16acafc64d
running on localhost Fri Apr 30 01:29:18 2021

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) E-2378 CPU @ 2.60GHz
      1  "physical id"s (chips)
      8 "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 1 2 3 4 5 6 7

From lscpu from util-linux 2.36.2:
```

(Continued on next page)

Standard Performance Evaluation Corporation (info@spec.org)

https://www.spec.org/

SPEC CPU®2017 Floating Point Rate Result
Copyright 2017-2022 Standard Performance Evaluation Corporation

Fujitsu

PRIMERGY TX1330 M5, Intel Xeon E-2378, 2.60GHz

SPECrate®2017_fp_base = 53.4

SPECrate®2017_fp_peak = Not Run

CPU2017 License: 19

Test Sponsor: Fujitsu

Tested by: Fujitsu

Test Date: Jan-2022

Hardware Availability: Mar-2022

Software Availability: Jun-2021

Platform Notes (Continued)

```
          Architecture:                     x86_64
          CPU op-mode(s):                   32-bit, 64-bit
          Byte Order:                       Little Endian
          Address sizes:                    39 bits physical, 48 bits virtual
          CPU(s):                           8
          On-line CPU(s) list:              0-7
          Thread(s) per core:               1
          Core(s) per socket:               8
          Socket(s):                        1
          NUMA node(s):                     1
          Vendor ID:                        GenuineIntel
          CPU family:                       6
          Model:                            167
          Model name:                       Intel(R) Xeon(R) E-2378 CPU @ 2.60GHz
          Stepping:                         1
          CPU MHz:                          1190.999
          CPU max MHz:                      4800.0000
          CPU min MHz:                      800.0000
          BogoMIPS:                         5184.00
          Virtualization:                   VT-x
          L1d cache:                        384 KiB
          L1i cache:                        256 KiB
          L2 cache:                         4 MiB
          L3 cache:                         16 MiB
          NUMA node0 CPU(s):                0-7
          Vulnerability Itlb multihit:      Not affected
          Vulnerability L1tf:               Not affected
          Vulnerability Mds:                Not affected
          Vulnerability Meltdown:           Not affected
          Vulnerability Spec store bypass: Mitigation; Speculative Store Bypass disabled via
          prctl and seccomp
          Vulnerability Spectre v1:         Mitigation; usercopy/swapgs barriers and __user
          pointer sanitization
          Vulnerability Spectre v2:         Mitigation; Enhanced IBRS, IBPB conditional, RSB
          filling
          Vulnerability Srbds:              Not affected
          Vulnerability Tsx async abort:    Not affected
          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 cpuid aperfmperf tsc_known_freq 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 cpuid_fault
          epb invpcid_single ssbd ibrs ibpb stibp ibrs_enhanced tpr_shadow vnmi flexpriority
          ept vpid ept_ad fsgsbase tsc_adjust bmi1 avx2 smep bmi2 erms invpcid mpx avx512f
          avx512dq rdseed adx smap avx512ifma clflushopt intel_pt avx512cd sha_ni avx512bw
          avx512vl xsaveopt xsavec xgetbv1 xsaves dtherm ida arat pln pts hwp hwp_notify
```

(Continued on next page)

Fujitsu

PRIMERGY TX1330 M5, Intel Xeon E-2378, 2.60GHz

SPECrate®2017_fp_base = 53.4

SPECrate®2017_fp_peak = Not Run

CPU2017 License: 19
Test Sponsor: Fujitsu
Tested by: Fujitsu

Test Date: Jan-2022
Hardware Availability: Mar-2022
Software Availability: Jun-2021

Platform Notes (Continued)

```
      hwp_act_window hwp_epp hwp_pkg_req avx512vbmi umip pku ospke avx512_vbmi2 gfni vaes
      vpclmulqdq avx512_vnni avx512_bitalg avx512_vpopcntdq rdpid fsrm md_clear flush_l1d
      arch_capabilities

  From lscpu --cache:
      NAME ONE-SIZE ALL-SIZE WAYS TYPE          LEVEL  SETS PHY-LINE COHERENCY-SIZE
      L1d       48K      384K   12 Data              1    64        1             64
      L1i       32K      256K    8 Instruction       1    64        1             64
      L2       512K        4M    8 Unified           2  1024        1             64
      L3        16M       16M   16 Unified           3 16384        1             64

  /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
    node 0 size: 31580 MB
    node 0 free: 31102 MB
    node distances:
    node   0
      0:  10


  From /proc/meminfo
     MemTotal:       32338812 kB
     HugePages_Total:       0
     Hugepagesize:       2048 kB

  /sys/devices/system/cpu/cpu*/cpufreq/scaling_governor has
     powersave

  From /etc/*release* /etc/*version*
     os-release:
        NAME="SLES"
        VERSION="15-SP3"
        VERSION_ID="15.3"
        PRETTY_NAME="SUSE Linux Enterprise Server 15 SP3"
        ID="sles"
        ID_LIKE="suse"
        ANSI_COLOR="0;32"
        CPE_NAME="cpe:/o:suse:sles:15:sp3"

  uname -a:
     Linux localhost 5.3.18-57-default #1 SMP Wed Apr 28 10:54:41 UTC 2021
     (ba3c2e9/lp-5d9e8aa) x86_64 x86_64 x86_64 GNU/Linux
```

(Continued on next page)

Fujitsu

$SPECrate^{®}2017\_fp\_base =$ 53.4

PRIMERGY TX1330 M5, Intel Xeon E-2378, 2.60GHz

$SPECrate^{®}2017\_fp\_peak =$ Not Run

CPU2017 License: 19
Test Sponsor: Fujitsu
Tested by: Fujitsu

Test Date: Jan-2022
Hardware Availability: Mar-2022
Software Availability: Jun-2021

Platform Notes (Continued)

```
Kernel self-reported vulnerability status:

CVE-2018-12207 (iTLB Multihit):               Not affected
CVE-2018-3620 (L1 Terminal Fault):            Not affected
Microarchitectural Data Sampling:             Not affected
CVE-2017-5754 (Meltdown):                     Not affected
CVE-2018-3639 (Speculative Store Bypass):     Mitigation: Speculative Store
                                              Bypass disabled via prctl and
                                              seccomp
CVE-2017-5753 (Spectre variant 1):            Mitigation: usercopy/swapgs
                                              barriers and __user pointer
                                              sanitization
CVE-2017-5715 (Spectre variant 2):            Mitigation: Enhanced IBRS, IBPB:
                                              conditional, RSB filling
CVE-2020-0543 (Special Register Buffer Data Sampling): Not affected
CVE-2019-11135 (TSX Asynchronous Abort):      Not affected


run-level 3 Apr 29 21:00

SPEC is set to: /home/Sizing/speccpu-1.1.8_b
   Filesystem     Type  Size  Used Avail Use% Mounted on
   /dev/sda5      xfs   140G   73G   67G  53% /home

From /sys/devices/virtual/dmi/id
     Vendor:          FUJITSU
     Product:         PRIMERGY TX1330 M5
     Product Family:  SERVER
     Serial:          EWBUxxxxxx


Additional information from dmidecode 3.2 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.
  Memory:
    2x Samsung M391A2K43DB1-CWE 16 GB 2 rank 3200

BIOS:
   BIOS Vendor:      FUJITSU // American Megatrends International, LLC.
   BIOS Version:     V5.0.0.22 R1.20.0 for D3931-A1x
   BIOS Date:        01/11/2022
   BIOS Revision:    1.20

(End of data from sysinfo program)
```

SPEC CPU®2017 Floating Point Rate Result

Copyright 2017-2022 Standard Performance Evaluation Corporation

Fujitsu

PRIMERGY TX1330 M5, Intel Xeon E-2378, 2.60GHz

SPECrate®2017_fp_base =   53.4

SPECrate®2017_fp_peak = Not Run

CPU2017 License: 19

Test Sponsor: Fujitsu

Tested by: Fujitsu

Test Date: Jan-2022

Hardware Availability: Mar-2022

Software Availability: Jun-2021

Compiler Version Notes

```
==============================================================================
C                   | 519.lbm_r(base) 538.imagick_r(base) 544.nab_r(base)
------------------------------------------------------------------------------
Intel(R) oneAPI DPC++/C++ Compiler for applications running on Intel(R) 64,
  Version 2021.1 Build 20201113
Copyright (C) 1985-2020 Intel Corporation. All rights reserved.
------------------------------------------------------------------------------


==============================================================================
C++                 | 508.namd_r(base) 510.parest_r(base)
------------------------------------------------------------------------------
Intel(R) oneAPI DPC++/C++ Compiler for applications running on Intel(R) 64,
  Version 2021.1 Build 20201113
Copyright (C) 1985-2020 Intel Corporation. All rights reserved.
------------------------------------------------------------------------------


==============================================================================
C++, C              | 511.povray_r(base) 526.blender_r(base)
------------------------------------------------------------------------------
Intel(R) oneAPI DPC++/C++ Compiler for applications running on Intel(R) 64,
  Version 2021.1 Build 20201113
Copyright (C) 1985-2020 Intel Corporation. All rights reserved.
Intel(R) oneAPI DPC++/C++ Compiler for applications running on Intel(R) 64,
  Version 2021.1 Build 20201113
Copyright (C) 1985-2020 Intel Corporation. All rights reserved.
------------------------------------------------------------------------------


==============================================================================
C++, C, Fortran | 507.cactuBSSN_r(base)
------------------------------------------------------------------------------
Intel(R) oneAPI DPC++/C++ Compiler for applications running on Intel(R) 64,
  Version 2021.1 Build 20201113
Copyright (C) 1985-2020 Intel Corporation. All rights reserved.
Intel(R) oneAPI DPC++/C++ Compiler for applications running on Intel(R) 64,
  Version 2021.1 Build 20201113
Copyright (C) 1985-2020 Intel Corporation. All rights reserved.
Intel(R) Fortran Intel(R) 64 Compiler Classic for applications running on
  Intel(R) 64, Version 2021.1 Build 20201112_000000
Copyright (C) 1985-2020 Intel Corporation.  All rights reserved.
------------------------------------------------------------------------------


==============================================================================
Fortran             | 503.bwaves_r(base) 549.fotonik3d_r(base) 554.roms_r(base)
------------------------------------------------------------------------------
Intel(R) Fortran Intel(R) 64 Compiler Classic for applications running on
  Intel(R) 64, Version 2021.1 Build 20201112_000000
Copyright (C) 1985-2020 Intel Corporation.  All rights reserved.
```

(Continued on next page)

Fujitsu

PRIMERGY TX1330 M5, Intel Xeon E-2378, 2.60GHz

SPECrate®2017_fp_base = 53.4

SPECrate®2017_fp_peak = Not Run

CPU2017 License: 19
Test Sponsor: Fujitsu
Tested by: Fujitsu

Test Date: Jan-2022
Hardware Availability: Mar-2022
Software Availability: Jun-2021

Compiler Version Notes (Continued)

```
--------------------------------------------------------------------

====================================================================
Fortran, C      | 521.wrf_r(base) 527.cam4_r(base)
--------------------------------------------------------------------
Intel(R) Fortran Intel(R) 64 Compiler Classic for applications running on
  Intel(R) 64, Version 2021.1 Build 20201112_000000
Copyright (C) 1985-2020 Intel Corporation.  All rights reserved.
Intel(R) oneAPI DPC++/C++ Compiler for applications running on Intel(R) 64,
  Version 2021.1 Build 20201113
Copyright (C) 1985-2020 Intel Corporation. All rights reserved.
--------------------------------------------------------------------
```

Base Compiler Invocation

C benchmarks:
icx

C++ benchmarks:
icpx

Fortran benchmarks:
ifort

Benchmarks using both Fortran and C:
ifort icx

Benchmarks using both C and C++:
icpx icx

Benchmarks using Fortran, C, and C++:
icpx icx ifort

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

(Continued on next page)

SPEC CPU®2017 Floating Point Rate Result

Copyright 2017-2022 Standard Performance Evaluation Corporation

Fujitsu

PRIMERGY TX1330 M5, Intel Xeon E-2378, 2.60GHz

SPECrate®2017_fp_base = 53.4

SPECrate®2017_fp_peak = Not Run

CPU2017 License: 19

Test Sponsor: Fujitsu

Tested by: Fujitsu

Test Date: Jan-2022

Hardware Availability: Mar-2022

Software Availability: Jun-2021

Base Portability Flags (Continued)

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:
`-w -std=c11 -m64 -Wl,-z,muldefs -xCORE-AVX512 -Ofast -ffast-math -flto -mfpmath=sse -funroll-loops -qopt-mem-layout-trans=4 -mbranches-within-32B-boundaries -ljemalloc -L/usr/local/jemalloc64-5.0.1/lib`

C++ benchmarks:
`-w -m64 -Wl,-z,muldefs -xCORE-AVX512 -Ofast -ffast-math -flto -mfpmath=sse -funroll-loops -qopt-mem-layout-trans=4 -mbranches-within-32B-boundaries -ljemalloc -L/usr/local/jemalloc64-5.0.1/lib`

Fortran benchmarks:
`-w -m64 -Wl,-z,muldefs -xCORE-AVX512 -O3 -ipo -no-prec-div -qopt-prefetch -ffinite-math-only -qopt-multiple-gather-scatter-by-shuffles -qopt-mem-layout-trans=4 -nostandard-realloc-lhs -align array32byte -auto -mbranches-within-32B-boundaries -ljemalloc -L/usr/local/jemalloc64-5.0.1/lib`

Benchmarks using both Fortran and C:
`-w -m64 -std=c11 -Wl,-z,muldefs -xCORE-AVX512 -Ofast -ffast-math -flto -mfpmath=sse -funroll-loops -qopt-mem-layout-trans=4 -O3 -ipo -no-prec-div -qopt-prefetch -ffinite-math-only -qopt-multiple-gather-scatter-by-shuffles -mbranches-within-32B-boundaries -nostandard-realloc-lhs -align array32byte -auto -ljemalloc -L/usr/local/jemalloc64-5.0.1/lib`

Benchmarks using both C and C++:
`-w -m64 -std=c11 -Wl,-z,muldefs -xCORE-AVX512 -Ofast -ffast-math -flto -mfpmath=sse -funroll-loops -qopt-mem-layout-trans=4 -mbranches-within-32B-boundaries -ljemalloc -L/usr/local/jemalloc64-5.0.1/lib`

Benchmarks using Fortran, C, and C++:
`-w -m64 -std=c11 -Wl,-z,muldefs -xCORE-AVX512 -Ofast -ffast-math`

(Continued on next page)

Standard Performance Evaluation Corporation (info@spec.org)

https://www.spec.org/

SPEC CPU®2017 Floating Point Rate Result

Copyright 2017-2022 Standard Performance Evaluation Corporation

Fujitsu

PRIMERGY TX1330 M5, Intel Xeon E-2378, 2.60GHz

SPECrate®2017_fp_base = 53.4

SPECrate®2017_fp_peak = Not Run

CPU2017 License: 19		**Test Date:**	Jan-2022
Test Sponsor: Fujitsu		**Hardware Availability:**	Mar-2022
Tested by: Fujitsu		**Software Availability:**	Jun-2021

Base Optimization Flags (Continued)

Benchmarks using Fortran, C, and C++ (continued):

```
-flto -mfpmath=sse -funroll-loops -qopt-mem-layout-trans=4 -O3
-no-prec-div -qopt-prefetch -ffinite-math-only
-qopt-multiple-gather-scatter-by-shuffles
-mbranches-within-32B-boundaries -nostandard-realloc-lhs
-align array32byte -auto -ljemalloc -L/usr/local/jemalloc64-5.0.1/lib
```

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

http://www.spec.org/cpu2017/flags/Fujitsu-Platform-Settings-V1.0-RKL-RevD.html
http://www.spec.org/cpu2017/flags/Intel-ic2021-official-linux64_revA.html

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

http://www.spec.org/cpu2017/flags/Fujitsu-Platform-Settings-V1.0-RKL-RevD.xml
http://www.spec.org/cpu2017/flags/Intel-ic2021-official-linux64_revA.xml

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

Tested with SPEC CPU®2017 v1.1.8 on 2021-04-29 12:29:17-0400.
Report generated on 2022-03-16 13:59:45 by CPU2017 PDF formatter v6442.
Originally published on 2022-03-16.