

SPEC CPU®2017 Floating Point Rate Result

Copyright 2017-2024 Standard Performance Evaluation Corporation

My Corporation

SPECrate®2017_fp_base = 4.04

SPECrate®2017_fp_peak = Not Run

CPU2017 License: nnn (Your SPEC license number)

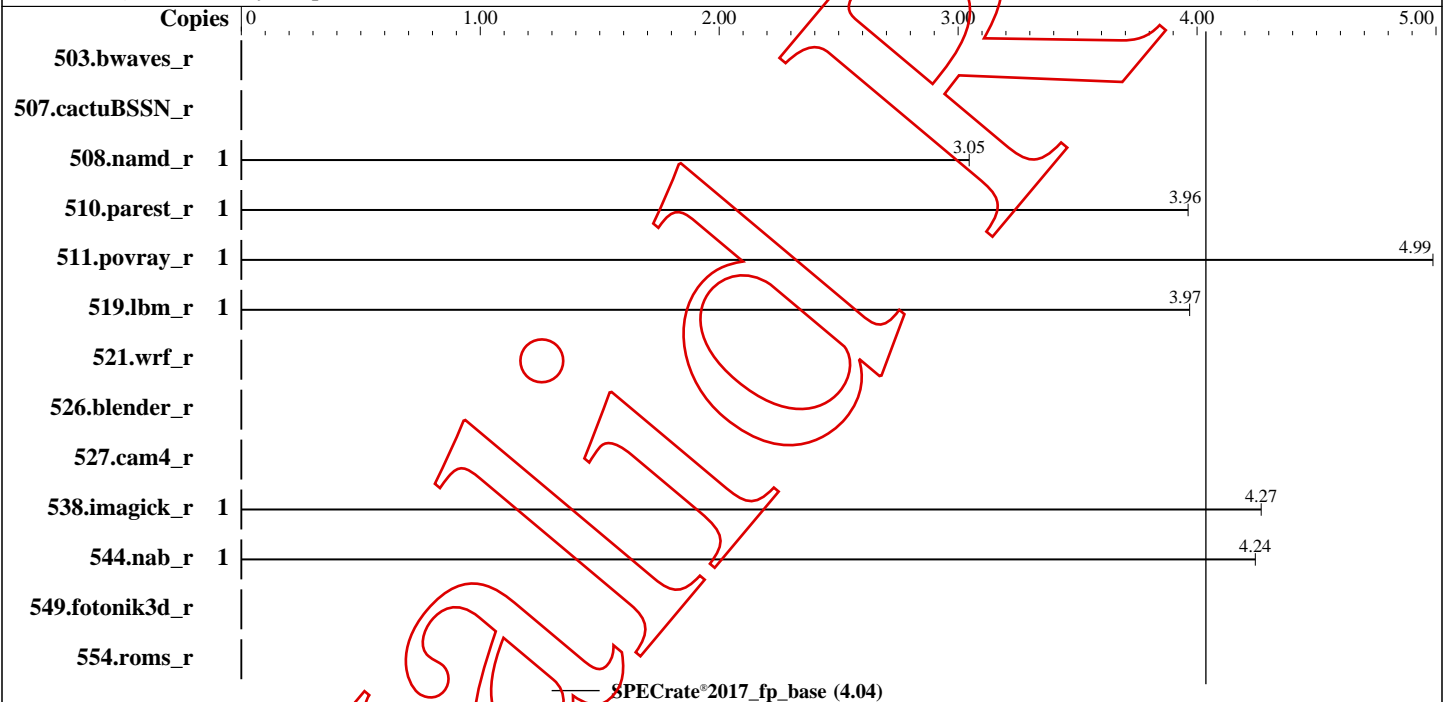
Test Sponsor: My Corporation

Tested by: My Corporation

Test Date: Jun-2024

Hardware Availability:

Software Availability:



SPECrate®2017_fp_base (4.04)

Hardware

CPU Name: 13th Gen Intel Core i9-13900KS
Max MHz:
Nominal:
Enabled: cores, 1 chip, threads/core
Orderable:
Cache L1:
L2:
L3:
Other:
Memory: 125.561 GB fixme: If using DDR4, the format is:
'N GB (N x M GB nRxn PC4-nnnnX-X)'
Storage: 3.6 TB add more disk info here
Other:

Software

OS: Ubuntu 22.04.4 LTS
6.8.0-76060800daily20240311-generic
Compiler: C/C++/Fortran: Version 7.2.1 of GCC, the
GNU Compiler Collection
Parallel: No
Firmware:
File System: ext4
System State: Run level 5 (add definition here)
Base Pointers: 64-bit
Peak Pointers: Not Applicable
Other:
Power Management: --

Errors

'reportable' flag not set during run
511.povray_r (base) did not have enough runs!
521.wrf_r (base) did not have enough runs!
544.nab_r (base) did not have enough runs!
549.fotonik3d_r (base) did not have enough runs!
538.imagick_r (base) did not have enough runs!
526.blender_r (base) did not have enough runs!

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Errors (Continued)

527.cam4_r (base) did not have enough runs!
508.namd_r (base) did not have enough runs!
507.cactuBSSN_r (base) did not have enough runs!
554.roms_r (base) did not have enough runs!
519.lbm_r (base) did not have enough runs!
510.parest_r (base) did not have enough runs!
503.bwaves_r (base) did not have enough runs!

Unknown flags were used! See

<https://www.spec.org/cpu2017/Docs/runcpu.html#flagsurl>
for information about how to get rid of this error.

Results Table

Benchmark	Base							Peak						
	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
503.bwaves_r														
507.cactuBSSN_r														
508.namd_r	1	<u>312</u>	<u>3.05</u>											
510.parest_r	1	<u>660</u>	<u>3.96</u>											
511.povray_r	1	<u>468</u>	<u>4.99</u>											
519.lbm_r	1	<u>266</u>	<u>3.97</u>											
521.wrf_r														
526.blender_r														
527.cam4_r														
538.imagick_r	1	<u>583</u>	<u>4.27</u>											
544.nab_r	1	<u>397</u>	<u>4.24</u>											
549.fotonik3d_r														
554.roms_r														

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

Environment Variables Notes

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

LD_LIBRARY_PATH = "/usr/lib64/:/usr/lib/:/lib64"

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Platform Notes

Sysinfo program /mnt/seconddrive/Code/seguecg-root/segue-lfi/spec2017/bin/sysinfo
Rev: r6365 of 2019-08-21 295195f888a3d7edble6e46a485a0011
running on shr-work Sun Jun 23 10:04:25 2024

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 : 13th Gen Intel(R) Core(TM) i9-13900KS

1 "physical id"s (chips)

24 "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 : 24

siblings : 24

physical 0: cores 0 4 8 12 16 20 24 28 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47

From lscpu:

Architecture:

x86_64

CPU op-mode(s):

32-bit, 64-bit

Address sizes:

46 bits physical, 48 bits virtual

Byte Order:

Little Endian

CPU(s):

32

On-line CPU(s) list:

0,2,4,6,8,10,12,14,16-31

Off-line CPU(s) list:

1,3,5,7,9,11,13,15

Vendor ID:

GenuineIntel

Model name:

13th Gen Intel(R) Core(TM) i9-13900KS

CPU family:

6

Model:

183

Thread(s) per core:

1

Core(s) per socket:

24

Socket(s):

1

Stepping:

1

CPU max MHz:

6000.0000

CPU min MHz:

0.0000

BogoMIPS:

6374.40

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 sse4_1 sse4_2 x2apic movbe popcnt

tsc_deadline_timer aes xsave avx f16c rdrand lahf_lm abm 3dnowprefetch cpuid_fault

ssbd ibrs ibpb stibp ibrs_enhanced tpr_shadow flexpriority ept vpid ept_ad fsgsbase

tsc_adjust bmi1 avx2 smep bmi2 erms invpcid rdseed adx smap clflushopt clwb intel_pt

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Platform Notes (Continued)

sha_ni xsaveopt xsavec xgetbv1 xsaves split_lock_detect user_shstk avx_vnni dtherm
ida arat pln pts hwp hwp_notify hwp_act_window hwp_epp hwp_pkg_req hfi vnmi umip pku
ospke waitpkg gfni vaes vpclmulqdq tme rdpid movdiri movdir64b fsrm md_clear
serialize pconfig arch_lbr ibt flush_lld arch_capabilities

Virtualization:

VT-x

L1d cache: 896 KiB (24 instances)

L1i cache: 1.3 MiB (24 instances)

L2 cache: 32 MiB (12 instances)

L3 cache: 36 MiB (1 instance)

NUMA node(s):

1

NUMA node0 CPU(s):

0,2,4,6,8,10,12,14,16-31

Vulnerability Gather data sampling: Not affected

Vulnerability Itlb multihit: Not affected

Vulnerability L1tf: Not affected

Vulnerability Mds: Not affected

Vulnerability Meltdown: Not affected

Vulnerability Mmio stale data: Not affected

Vulnerability Retbleed: Not affected

Vulnerability Spec rstack overflow: Not affected

Vulnerability Spec store bypass: Mitigation; Speculative Store Bypass disabled via prctl

Vulnerability Spectre v1: Mitigation; usercopy/swapgs barriers and __user pointer sanitization

Vulnerability Spectre v2: Mitigation; Enhanced / Automatic IBRS, IBPB conditional RSB filling, PBRSSB-eIBRS SW sequence

Vulnerability Srbds: Not affected

Vulnerability Tsx async abort: Not affected

/proc/cpuinfo cache data
cache size : 36864 KB

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

From /proc/meminfo
MemTotal: 131660528 kB
HugePages_Total: 0
Hugepagesize: 2048 kB

/usr/bin/lsb_release -d
Ubuntu 22.04.4 LTS

From /etc/*release* /etc/*version*
debian_version: bookworm/sid
os-release:
PRETTY_NAME="Ubuntu 22.04.4 LTS"
NAME="Ubuntu"

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Platform Notes (Continued)

```
VERSION_ID="22.04"
VERSION="22.04.4 LTS (Jammy Jellyfish)"
VERSION_CODENAME=jammy
ID=ubuntu
ID_LIKE=debian
HOME_URL="https://www.ubuntu.com/"
```

```
uname -a:
Linux shr-work 6.8.0-76060800daily20240311-generic
#202403110203~1715181801~22.04~aba43ee-dev-Ubuntu SMP PREEMPT_DY x86_64 x86_64 x86_64
GNU/Linux
```

Kernel self-reported vulnerability status:

```
gather_data_sampling: Not affected
itlb_multihit: Not affected
CVE-2018-3620 (L1 Terminal Fault): Not affected
Microarchitectural Data Sampling: Not affected
CVE-2017-5754 (Meltdown): Not affected
mmio_stale_data: Not affected
retbleed: Not affected
spec_rstack_overflow: Not affected
CVE-2018-3639 (Speculative Store Bypass): Mitigation: Speculative Store Bypass disabled
via prctl
CVE-2017-5753 (Spectre variant 1): Mitigation: usercopy/swaps barriers and __user
pointer sanitization
CVE-2017-5715 (Spectre variant 2): Mitigation: Enhanced / Automatic IBRS, IBPB:
conditional, RSB filling, PBR SB-eIBRS: SW
sequence
srbds: Not affected
tsx_async_abort: Not affected
```

run-level 5 Jun 22 18:34

```
SPEC is set to: /mnt/seconddrive/Code/seguecg-root/segue-lfi/spec2017
Filesystem      Type  Size  Used Avail Use% Mounted on
/dev/nvme0n1p1 ext4  3.6T  700G  2.8T  21% /mnt/seconddrive
```

```
From /sys/devices/virtual/dmi/id
BIOS:      System76 FH Z5 01/25/2024
Vendor:    System76
Product:   Thelio Mira
Product Family: Z790 MB
```

```
Cannot run dmidecode; consider saying (as root)
chmod +s /usr/sbin/dmidecode
```

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Platform Notes (Continued)

(End of data from sysinfo program)

Compiler Version Notes

=====
C | 519.lbm_r(base pass 0)
=====

Using built-in specs.

COLLECT_GCC=/opt/lfi-amd64-baseline-32/bin/internal-x86_64-linux-musl-gcc

COLLECT_LTO_WRAPPER=/opt/lfi-amd64-baseline-32/bin/../libexec/gcc/x86_64-linux-musl/13.2.0/lto-wrapper

Target: x86_64-linux-musl

Configured with: ../gcc/configure --target=x86_64-linux-musl --disable-docs

--disable-bootstrap --disable-libssp --disable-multilib --disable-shared

--enable-languages=c,c++,fortran --enable-lto

--prefix=/home/zyedidia/programming/lfi/toolchain/lfi-gcc/lfi-amd64-baseline-32

--with-pkgversion=LFI

Thread model: posix

Supported LTO compression algorithms: zlib zstd

gcc version 13.2.0 (LFI)

specmake[1]: Leaving directory

'/mnt/seconddrive/Code/seguecg-root/segue-lfi/spec2017/benchspec/CPU/519.lbm_r/build/build_base_lfi-gcc-baseline-32-m64.0000'

=====
C | 538.imagick_r(base pass 0)
=====

Using built-in specs.

COLLECT_GCC=/opt/lfi-amd64-baseline-32/bin/internal-x86_64-linux-musl-gcc

COLLECT_LTO_WRAPPER=/opt/lfi-amd64-baseline-32/bin/../libexec/gcc/x86_64-linux-musl/13.2.0/lto-wrapper

Target: x86_64-linux-musl

Configured with: ../gcc/configure --target=x86_64-linux-musl --disable-docs

--disable-bootstrap --disable-libssp --disable-multilib --disable-shared

--enable-languages=c,c++,fortran --enable-lto

--prefix=/home/zyedidia/programming/lfi/toolchain/lfi-gcc/lfi-amd64-baseline-32

--with-pkgversion=LFI

Thread model: posix

Supported LTO compression algorithms: zlib zstd

gcc version 13.2.0 (LFI)

specmake[1]: Leaving directory

'/mnt/seconddrive/Code/seguecg-root/segue-lfi/spec2017/benchspec/CPU/538.imagick_r/build/build_base_lfi-gcc-baseline-32-m64.0000'

=====
C | 544.nab_r(base pass 0)
=====

Using built-in specs.

(Continued on next page)

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Compiler Version Notes (Continued)

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--disable-bootstrap --disable-libssp --disable-multilib --disable-shared
--enable-languages=c,c++,fortran --enable-lto
--prefix=/home/zyedidia/programming/lfi/toolchain/lfi-gcc/lfi-amd64-baseline-32
--with-pkgversion=LFI
Thread model: posix
Supported LTO compression algorithms: zlib zstd
gcc version 13.2.0 (LFI)
specmake[1]: Leaving directory
'/mnt/seconddrive/Code/seguecg-root/segue-lfi/spec2017/benchspec/CPU/544.nab_r/build/build_base_lfi-gcc-baseline-32-m64.0000'
-----
C      | 519.lbm_r(base pass )
-----
specmake[1]: Entering directory
'/mnt/seconddrive/Code/seguecg-root/segue-lfi/spec2017/benchspec/CPU/519.lbm_r/build/build_base_lfi-gcc-baseline-32-m64.0000'
-----
C      | 538.imagick_r(base pass )
-----
specmake[1]: Entering directory
'/mnt/seconddrive/Code/seguecg-root/segue-lfi/spec2017/benchspec/CPU/538.imagick_r/build/build_base_lfi-gcc-baseline-32-m64.0000'
-----
C      | 544.nab_r(base pass )
-----
specmake[1]: Entering directory
'/mnt/seconddrive/Code/seguecg-root/segue-lfi/spec2017/benchspec/CPU/544.nab_r/build/build_base_lfi-gcc-baseline-32-m64.0000'
-----
C      | 519.lbm_r(base pass 0)
-----
Using built-in specs.
COLLECT_GCC=/opt/lfi-amd64-baseline-32/bin/internal-x86_64-linux-musl-gcc
COLLECT_LTO_WRAPPER=/opt/lfi-amd64-baseline-32/bin/../libexec/gcc/x86_64-linux-musl/13.2.0/lto-wrapper
Target: x86_64-linux-musl
Configured with: ../gcc/configure --target=x86_64-linux-musl --disable-docs
--disable-bootstrap --disable-libssp --disable-multilib --disable-shared
--enable-languages=c,c++,fortran --enable-lto
--prefix=/home/zyedidia/programming/lfi/toolchain/lfi-gcc/lfi-amd64-baseline-32
```

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Software Availability:

Compiler Version Notes (Continued)

```
--with-pkgversion=LFI
Thread model: posix
Supported LTO compression algorithms: zlib zstd
gcc version 13.2.0 (LFI)
specmake[1]: Leaving directory
'/mnt/seconddrive/Code/seguecg-root/segue-lfi/spec2017/benchspec/CPU/519.lbm_r/build/build_base_lfi-gcc-baseline-32-m64.0000'
-----

=====
C      | 538.imagick_r(base pass 0)
-----

Using built-in specs.
COLLECT_GCC=/opt/lfi-amd64-baseline-32/bin/internal-x86_64-linux-musl-gcc
COLLECT_LTO_WRAPPER=/opt/lfi-amd64-baseline-32/bin/../libexec/gcc/x86_64-linux-musl/13.2.0/lto-wrapper
Target: x86_64-linux-musl
Configured with: ../gcc/configure --target=x86_64-linux-musl --disable-docs
--disable-bootstrap --disable-libssp --disable-multilib --disable-shared
--enable-languages=c,c++,fortran --enable-lto
--prefix=/home/zyedidia/programming/lfi/toolchain/lfi-gcc/lfi-amd64-baseline-32
--with-pkgversion=LFI
Thread model: posix
Supported LTO compression algorithms: zlib zstd
gcc version 13.2.0 (LFI)
specmake[1]: Leaving directory
'/mnt/seconddrive/Code/seguecg-root/segue-lfi/spec2017/benchspec/CPU/538.imagick_r/build/build_base_lfi-gcc-baseline-32-m64.0000'
-----

=====
C      | 544.nab_r(base pass 0)
-----

Using built-in specs.
COLLECT_GCC=/opt/lfi-amd64-baseline-32/bin/internal-x86_64-linux-musl-gcc
COLLECT_LTO_WRAPPER=/opt/lfi-amd64-baseline-32/bin/../libexec/gcc/x86_64-linux-musl/13.2.0/lto-wrapper
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--disable-bootstrap --disable-libssp --disable-multilib --disable-shared
--enable-languages=c,c++,fortran --enable-lto
--prefix=/home/zyedidia/programming/lfi/toolchain/lfi-gcc/lfi-amd64-baseline-32
--with-pkgversion=LFI
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Supported LTO compression algorithms: zlib zstd
gcc version 13.2.0 (LFI)
specmake[1]: Leaving directory
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C | 538.imagick_r(base pass)

specmake[1]: Entering directory

'/mnt/seconddrive/Code/seguecg-root/segue-lfi/spec2017/benchspec/CPU/538.imagick_r/build/build_base_lfi-gcc-baseline-32-m64.0000'

C | 544.nab_r(base pass)

specmake[1]: Entering directory

'/mnt/seconddrive/Code/seguecg-root/segue-lfi/spec2017/benchspec/CPU/544.nab_r/build/build_base_lfi-gcc-baseline-32-m64.0000'

C | 519.lbm_r(base pass 0)

Using built-in specs.

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COLLECT_LTO_WRAPPER=/opt/lfi-amd64-baseline-32/bin/../libexec/gcc/x86_64-linux-musl/13.2.0/lto-wrapper

Target: x86_64-linux-musl

Configured with: ../gcc/configure --target=x86_64-linux-musl --disable-docs

--disable-bootstrap --disable-libssp --disable-multilib --disable-shared

--enable-languages=c,c++,fortran --enable-lto

--prefix=/home/zyedidia/programming/lfi/toolchain/lfi-gcc/lfi-amd64-baseline-32

--with-pkgversion=LFI

Thread model: posix

Supported LTO compression algorithms: zlib zstd

gcc version 13.2.0 (LFI)

specmake[1]: Leaving directory

'/mnt/seconddrive/Code/seguecg-root/segue-lfi/spec2017/benchspec/CPU/519.lbm_r/build/build_base_lfi-gcc-baseline-32-m64.0000'

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Configured with: ../gcc/configure --target=x86_64-linux-musl --disable-docs

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Compiler Version Notes (Continued)

```
--disable-bootstrap --disable-libssp --disable-multilib --disable-shared
--enable-languages=c,c++,fortran --enable-lto
--prefix=/home/zyedidia/programming/lfi/toolchain/lfi-gcc/lfi-amd64-baseline-32
--with-pkgversion=LFI
Thread model: posix
Supported LTO compression algorithms: zlib zstd
gcc version 13.2.0 (LFI)
specmake[1]: Leaving directory
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C      | 544.nab_r(base pass 0)
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Target: x86_64-linux-musl
Configured with: ../gcc/configure --target=x86_64-linux-musl --disable-docs
--disable-bootstrap --disable-libssp --disable-multilib --disable-shared
--enable-languages=c,c++ fortran --enable-lto
--prefix=/home/zyedidia/programming/lfi/toolchain/lfi-gcc/lfi-amd64-baseline-32
--with-pkgversion=LFI
Thread model: posix
Supported LTO compression algorithms: zlib zstd
gcc version 13.2.0 (LFI)
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-----

C      | 519.lbm_r(base pass )
-----

specmake[1]: Entering directory
'/mnt/seconddrive/Code/seguecg-root/segue-lfi/spec2017/benchspec/CPU/519.lbm_r/build/build_base_lfi-gcc-baseline-32-m64.0000'
-----

C      | 538.imagick_r(base pass )
-----

specmake[1]: Entering directory
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C      | 544.nab_r(base pass )
-----
```

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Compiler Version Notes (Continued)

specmake[1]: Entering directory

'/mnt/seconddrive/Code/seguecg-root/segue-lfi/spec2017/benchspec/CPU/544.nab_r/build/build_base_lfi-gcc-baseline-32-m64.0000'

C | 519.lbm_r(base pass 0)

Using built-in specs.

COLLECT_GCC=/opt/lfi-amd64-baseline-32/bin/internal-x86_64-linux-musl-gcc

COLLECT_LTO_WRAPPER=/opt/lfi-amd64-baseline-32/bin/../libexec/gcc/x86_64-linux-musl/13.2.0/lto-wrapper

Target: x86_64-linux-musl

Configured with: ../gcc/configure --target=x86_64-linux-musl --disable-docs

--disable-bootstrap --disable-libssp --disable-multilib --disable-shared

--enable-languages=c,c++,fortran --enable-lto

--prefix=/home/zyedidia/programming/lfi/toolchain/lfi-gcc/lfi-amd64-baseline-32

--with-pkgversion=LFI

Thread model: posix

Supported LTO compression algorithms: zlib zstd

gcc version 13.2.0 (LFI)

specmake[1]: Leaving directory

'/mnt/seconddrive/Code/seguecg-root/segue-lfi/spec2017/benchspec/CPU/519.lbm_r/build/build_base_lfi-gcc-baseline-32-m64.0000'

C | 538.imagick_r(base pass 0)

Using built-in specs.

COLLECT_GCC=/opt/lfi-amd64-baseline-32/bin/internal-x86_64-linux-musl-gcc

COLLECT_LTO_WRAPPER=/opt/lfi-amd64-baseline-32/bin/../libexec/gcc/x86_64-linux-musl/13.2.0/lto-wrapper

Target: x86_64-linux-musl

Configured with: ../gcc/configure --target=x86_64-linux-musl --disable-docs

--disable-bootstrap --disable-libssp --disable-multilib --disable-shared

--enable-languages=c,c++,fortran --enable-lto

--prefix=/home/zyedidia/programming/lfi/toolchain/lfi-gcc/lfi-amd64-baseline-32

--with-pkgversion=LFI

Thread model: posix

Supported LTO compression algorithms: zlib zstd

gcc version 13.2.0 (LFI)

specmake[1]: Leaving directory

'/mnt/seconddrive/Code/seguecg-root/segue-lfi/spec2017/benchspec/CPU/538.imagick_r/build/build_base_lfi-gcc-baseline-32-m64.0000'

C | 544.nab_r(base pass 0)

Using built-in specs.

COLLECT_GCC=/opt/lfi-amd64-baseline-32/bin/internal-x86_64-linux-musl-gcc

(Continued on next page)

SPEC CPU®2017 Floating Point Rate Result

Copyright 2017-2024 Standard Performance Evaluation Corporation

My Corporation

SPECrate®2017_fp_base = 4.04

SPECrate®2017_fp_peak = Not Run

CPU2017 License: nnn (Your SPEC license number)

Test Sponsor: My Corporation

Tested by: My Corporation

Test Date: Jun-2024

Hardware Availability:

Software Availability:

Compiler Version Notes (Continued)

COLLECT_LTO_WRAPPER=/opt/lfi-amd64-baseline-32/bin/../libexec/gcc/x86_64-linux-musl/13.2.0/lto-wrapper
Target: x86_64-linux-musl

Configured with: ../gcc/configure --target=x86_64-linux-musl --disable-docs
--disable-bootstrap --disable-libssp --disable-multilib --disable-shared
--enable-languages=c,c++,fortran --enable-lto
--prefix=/home/zyedidia/programming/lfi/toolchain/lfi-gcc/lfi-amd64-baseline-32
--with-pkgversion=LFI

Thread model: posix

Supported LTO compression algorithms: zlib zstd

gcc version 13.2.0 (LFI)

specmake[1]: Leaving directory

'/mnt/seconddrive/Code/seguecg-root/segue-lfi/spec2017/benchspec/CPU/544.nab_r/build/build_base_lfi-gcc-baseline-32-m64.0000'

C | 519.lbm_r(base pass)

specmake[1]: Entering directory

'/mnt/seconddrive/Code/seguecg-root/segue-lfi/spec2017/benchspec/CPU/519.lbm_r/build/build_base_lfi-gcc-baseline-32-m64.0000'

C | 538.imagick_r(base pass)

specmake[1]: Entering directory

'/mnt/seconddrive/Code/seguecg-root/segue-lfi/spec2017/benchspec/CPU/538.imagick_r/build/build_base_lfi-gcc-baseline-32-m64.0000'

C | 544.nab_r(base pass)

specmake[1]: Entering directory

'/mnt/seconddrive/Code/seguecg-root/segue-lfi/spec2017/benchspec/CPU/544.nab_r/build/build_base_lfi-gcc-baseline-32-m64.0000'

C | 519.lbm_r(base pass 0)

Using built-in specs.

COLLECT_GCC=/opt/lfi-amd64-baseline-32/bin/internal-x86_64-linux-musl-gcc

COLLECT_LTO_WRAPPER=/opt/lfi-amd64-baseline-32/bin/../libexec/gcc/x86_64-linux-musl/13.2.0/lto-wrapper

Target: x86_64-linux-musl

Configured with: ../gcc/configure --target=x86_64-linux-musl --disable-docs

--disable-bootstrap --disable-libssp --disable-multilib --disable-shared

--enable-languages=c,c++,fortran --enable-lto

--prefix=/home/zyedidia/programming/lfi/toolchain/lfi-gcc/lfi-amd64-baseline-32

--with-pkgversion=LFI

(Continued on next page)

SPEC CPU®2017 Floating Point Rate Result

Copyright 2017-2024 Standard Performance Evaluation Corporation

My Corporation

SPECrate®2017_fp_base = 4.04

SPECrate®2017_fp_peak = Not Run

CPU2017 License: nnn (Your SPEC license number)

Test Sponsor: My Corporation

Tested by: My Corporation

Test Date: Jun-2024

Hardware Availability:

Software Availability:

Compiler Version Notes (Continued)

Thread model: posix

Supported LTO compression algorithms: zlib zstd

gcc version 13.2.0 (LFI)

specmake[1]: Leaving directory

'/mnt/seconddrive/Code/seguecg-root/segue-lfi/spec2017/benchspec/CPU/519.lbm_r/build/build_base_lfi-gcc-baseline-32-m64.0000'

=====
C | 538.imagick_r(base pass 0)
=====

Using built-in specs.

COLLECT_GCC=/opt/lfi-amd64-baseline-32/bin/internal-x86_64-linux-musl-gcc

COLLECT_LTO_WRAPPER=/opt/lfi-amd64-baseline-32/bin/../libexec/gcc/x86_64-linux-musl/13.2.0/lto-wrapper

Target: x86_64-linux-musl

Configured with: ../gcc/configure --target=x86_64-linux-musl --disable-docs

--disable-bootstrap --disable-libssp --disable-multilib --disable-shared

--enable-languages=c,c++,fortran --enable-lto

--prefix=/home/zyedidia/programming/lfi/toolchain/lfi-gcc/lfi-amd64-baseline-32

--with-pkgversion=LFI

Thread model: posix

Supported LTO compression algorithms: zlib zstd

gcc version 13.2.0 (LFI)

specmake[1]: Leaving directory

'/mnt/seconddrive/Code/seguecg-root/segue-lfi/spec2017/benchspec/CPU/538.imagick_r/build/build_base_lfi-gcc-baseline-32-m64.0000'

=====
C | 544.nab_r(base pass 0)
=====

Using built-in specs.

COLLECT_GCC=/opt/lfi-amd64-baseline-32/bin/internal-x86_64-linux-musl-gcc

COLLECT_LTO_WRAPPER=/opt/lfi-amd64-baseline-32/bin/../libexec/gcc/x86_64-linux-musl/13.2.0/lto-wrapper

Target: x86_64-linux-musl

Configured with: ../gcc/configure --target=x86_64-linux-musl --disable-docs

--disable-bootstrap --disable-libssp --disable-multilib --disable-shared

--enable-languages=c,c++,fortran --enable-lto

--prefix=/home/zyedidia/programming/lfi/toolchain/lfi-gcc/lfi-amd64-baseline-32

--with-pkgversion=LFI

Thread model: posix

Supported LTO compression algorithms: zlib zstd

gcc version 13.2.0 (LFI)

specmake[1]: Leaving directory

'/mnt/seconddrive/Code/seguecg-root/segue-lfi/spec2017/benchspec/CPU/544.nab_r/build/build_base_lfi-gcc-baseline-32-m64.0000'

=====
C | 519.lbm_r(base pass)
=====

(Continued on next page)

SPEC CPU®2017 Floating Point Rate Result

Copyright 2017-2024 Standard Performance Evaluation Corporation

My Corporation

SPECrate®2017_fp_base = 4.04

SPECrate®2017_fp_peak = Not Run

CPU2017 License: nnn (Your SPEC license number)

Test Sponsor: My Corporation

Tested by: My Corporation

Test Date: Jun-2024

Hardware Availability:

Software Availability:

Compiler Version Notes (Continued)

specmake[1]: Entering directory

'/mnt/seconddrive/Code/seguecg-root/segue-lfi/spec2017/benchspec/CPU/519.lbm_r/build/build_base_lfi-gcc-baseline-32-m64.0000'

C | 538.imagick_r(base pass)

specmake[1]: Entering directory

'/mnt/seconddrive/Code/seguecg-root/segue-lfi/spec2017/benchspec/CPU/538.imagick_r/build/build_base_lfi-gcc-baseline-32-m64.0000'

C | 544.nab_r(base pass)

specmake[1]: Entering directory

'/mnt/seconddrive/Code/seguecg-root/segue-lfi/spec2017/benchspec/CPU/544.nab_r/build/build_base_lfi-gcc-baseline-32-m64.0000'

C | 519.lbm_r(base pass 0)

Using built-in specs.

COLLECT_GCC=/opt/lfi-amd64-baseline-32/bin/internal-x86_64-linux-musl-gcc

COLLECT_LTO_WRAPPER=/opt/lfi-amd64-baseline-32/bin/../libexec/gcc/x86_64-linux-musl/13.2.0/lto-wrapper

Target: x86_64-linux-musl

Configured with: ../gcc/configure --target=x86_64-linux-musl --disable-docs

--disable-bootstrap --disable-libssp --disable-multilib --disable-shared

--enable-languages=c,c++,fortran --enable-lto

--prefix=/home/zyedidia/programming/lfi/toolchain/lfi-gcc/lfi-amd64-baseline-32

--with-pkgversion=LFI

Thread model: posix

Supported LTO compression algorithms: zlib zstd

gcc version 13.2.0 (LFI)

specmake[1]: Leaving directory

'/mnt/seconddrive/Code/seguecg-root/segue-lfi/spec2017/benchspec/CPU/519.lbm_r/build/build_base_lfi-gcc-baseline-32-m64.0000'

C | 538.imagick_r(base pass 0)

Using built-in specs.

COLLECT_GCC=/opt/lfi-amd64-baseline-32/bin/internal-x86_64-linux-musl-gcc

COLLECT_LTO_WRAPPER=/opt/lfi-amd64-baseline-32/bin/../libexec/gcc/x86_64-linux-musl/13.2.0/lto-wrapper

Target: x86_64-linux-musl

Configured with: ../gcc/configure --target=x86_64-linux-musl --disable-docs

--disable-bootstrap --disable-libssp --disable-multilib --disable-shared

(Continued on next page)

SPEC CPU®2017 Floating Point Rate Result

Copyright 2017-2024 Standard Performance Evaluation Corporation

My Corporation

SPECrate®2017_fp_base = 4.04

SPECrate®2017_fp_peak = Not Run

CPU2017 License: nnn (Your SPEC license number)

Test Sponsor: My Corporation

Tested by: My Corporation

Test Date: Jun-2024

Hardware Availability:

Software Availability:

Compiler Version Notes (Continued)

```
--enable-languages=c,c++,fortran --enable-lto
--prefix=/home/zyedidia/programming/lfi/toolchain/lfi-gcc/lfi-amd64-baseline-32
--with-pkgversion=LFI
Thread model: posix
Supported LTO compression algorithms: zlib zstd
gcc version 13.2.0 (LFI)
specmake[1]: Leaving directory
'/mnt/seconddrive/Code/seguecg-root/segue-lfi/spec2017/benchspec/CPU/538.imagick_r/build/build_base_lfi-gcc-baseline-32-m64.0000'

=====
C      | 544.nab_r(base pass 0)
-----
Using built-in specs.
COLLECT_GCC=/opt/lfi-amd64-baseline-32/bin/internal-x86_64-linux-musl-gcc
COLLECT_LTO_WRAPPER=/opt/lfi-amd64-baseline-32/bin/./libexec/gcc/x86_64-linux-musl/13.2.0/lto-wrapper
Target: x86_64-linux-musl
Configured with: ../gcc/configure --target=x86_64-linux-musl --disable-docs
--disable-bootstrap --disable-libssp --disable-multilib --disable-shared
--enable-languages=c,c++,fortran --enable-lto
--prefix=/home/zyedidia/programming/lfi/toolchain/lfi-gcc/lfi-amd64-baseline-32
--with-pkgversion=LFI
Thread model: posix
Supported LTO compression algorithms: zlib zstd
gcc version 13.2.0 (LFI)
specmake[1]: Leaving directory
'/mnt/seconddrive/Code/seguecg-root/segue-lfi/spec2017/benchspec/CPU/544.nab_r/build/build_base_lfi-gcc-baseline-32-m64.0000'

=====
C      | 519.lbm_r(base pass )
-----
specmake[1]: Entering directory
'/mnt/seconddrive/Code/seguecg-root/segue-lfi/spec2017/benchspec/CPU/519.lbm_r/build/build_base_lfi-gcc-baseline-32-m64.0000'

=====
C      | 538.imagick_r(base pass )
-----
specmake[1]: Entering directory
'/mnt/seconddrive/Code/seguecg-root/segue-lfi/spec2017/benchspec/CPU/538.imagick_r/build/build_base_lfi-gcc-baseline-32-m64.0000'

=====
C      | 544.nab_r(base pass )
-----
specmake[1]: Entering directory
```

(Continued on next page)

SPEC CPU®2017 Floating Point Rate Result

Copyright 2017-2024 Standard Performance Evaluation Corporation

My Corporation

SPECrate®2017_fp_base = 4.04

SPECrate®2017_fp_peak = Not Run

CPU2017 License: nnn (Your SPEC license number)

Test Sponsor: My Corporation

Tested by: My Corporation

Test Date: Jun-2024

Hardware Availability:

Software Availability:

Compiler Version Notes (Continued)

'/mnt/seconddrive/Code/seguecg-root/segue-lfi/spec2017/benchspec/CPU/544.namd_r/build/build_base_lfi-gcc-baseline-32-m64.0000'

=====
C++ | 508.namd_r(base pass 0)
=====

Using built-in specs.

COLLECT_GCC=/opt/lfi-amd64-baseline-32/bin/internal-x86_64-linux-musl-g++

COLLECT_LTO_WRAPPER=/opt/lfi-amd64-baseline-32/bin/../libexec/gcc/x86_64-linux-musl/13.2.0/lto-wrapper

Target: x86_64-linux-musl

Configured with: ../gcc/configure --target=x86_64-linux-musl --disable-docs

--disable-bootstrap --disable-libssp --disable-multilib --disable-shared

--enable-languages=c,c++,fortran --enable-lto

--prefix=/home/zyedidia/programming/lfi/toolchain/lfi-gcc/lfi-amd64-baseline-32

--with-pkgversion=LFI

Thread model: posix

Supported LTO compression algorithms: zlib zstd

gcc version 13.2.0 (LFI)

specmake[1]: Leaving directory

'/mnt/seconddrive/Code/seguecg-root/segue-lfi/spec2017/benchspec/CPU/508.namd_r/build/build_base_lfi-gcc-baseline-32-m64.0000'

=====
C++ | 510.parest_r(base pass 0)
=====

Using built-in specs.

COLLECT_GCC=/opt/lfi-amd64-baseline-32/bin/internal-x86_64-linux-musl-g++

COLLECT_LTO_WRAPPER=/opt/lfi-amd64-baseline-32/bin/../libexec/gcc/x86_64-linux-musl/13.2.0/lto-wrapper

Target: x86_64-linux-musl

Configured with: ../gcc/configure --target=x86_64-linux-musl --disable-docs

--disable-bootstrap --disable-libssp --disable-multilib --disable-shared

--enable-languages=c,c++,fortran --enable-lto

--prefix=/home/zyedidia/programming/lfi/toolchain/lfi-gcc/lfi-amd64-baseline-32

--with-pkgversion=LFI

Thread model: posix

Supported LTO compression algorithms: zlib zstd

gcc version 13.2.0 (LFI)

specmake[1]: Leaving directory

'/mnt/seconddrive/Code/seguecg-root/segue-lfi/spec2017/benchspec/CPU/510.parest_r/build/build_base_lfi-gcc-baseline-32-m64.0000'

=====
C++ | 508.namd_r(base pass)
=====

specmake[1]: Entering directory

'/mnt/seconddrive/Code/seguecg-root/segue-lfi/spec2017/benchspec/CPU/508.namd_r/build/build_base_lfi-gcc-baseline-32-m64.0000'

(Continued on next page)

SPEC CPU®2017 Floating Point Rate Result

Copyright 2017-2024 Standard Performance Evaluation Corporation

My Corporation

SPECrate®2017_fp_base = 4.04

SPECrate®2017_fp_peak = Not Run

CPU2017 License: nnn (Your SPEC license number)

Test Sponsor: My Corporation

Tested by: My Corporation

Test Date: Jun-2024

Hardware Availability:

Software Availability:

Compiler Version Notes (Continued)

```
=====
C++      | 510.parest_r(base pass )
-----
```

```
specmake[1]: Entering directory
```

```
' /mnt/seconddrive/Code/seguecg-root/segue-lfi/spec2017/benchspec/CPU/510.parest_r/build/build_base_lfi-gcc-baseline-32-m64.0000 '
```

```
=====
C++      | 511.povray_r(base)
-----
```

```
specmake[1]: Entering directory
```

```
' /mnt/seconddrive/Code/seguecg-root/segue-lfi/spec2017/benchspec/CPU/511.povray_r/build/build_base_lfi-gcc-baseline-32-m64.0000 '
```

```
=====
C++      | 508.namd_r(base pass 0)
-----
```

```
Using built-in specs.
```

```
COLLECT_GCC=/opt/lfi-amd64-baseline-32/bin/internal-x86_64-linux-musl-g++
```

```
COLLECT_LTO_WRAPPER=/opt/lfi-amd64-baseline-32/bin/../libexec/gcc/x86_64-linux-musl/13.2.0/lto-wrapper
```

```
Target: x86_64-linux-musl
```

```
Configured with: ../gcc/configure --target=x86_64-linux-musl --disable-docs
```

```
--disable-bootstrap --disable-libssp --disable-multilib --disable-shared
```

```
--enable-languages=c,c++,fortran --enable-lto
```

```
--prefix=/home/zyedidia/programming/lfi/toolchain/lfi-gcc/lfi-amd64-baseline-32
```

```
--with-pkgversion=LFI
```

```
Thread model: posix
```

```
Supported LTO compression algorithms: zlib zstd
```

```
gcc version 13.2.0 (LFI)
```

```
specmake[1]: Leaving directory
```

```
' /mnt/seconddrive/Code/seguecg-root/segue-lfi/spec2017/benchspec/CPU/508.namd_r/build/build_base_lfi-gcc-baseline-32-m64.0000 '
```

```
=====
C++      | 510.parest_r(base pass 0)
-----
```

```
Using built-in specs.
```

```
COLLECT_GCC=/opt/lfi-amd64-baseline-32/bin/internal-x86_64-linux-musl-g++
```

```
COLLECT_LTO_WRAPPER=/opt/lfi-amd64-baseline-32/bin/../libexec/gcc/x86_64-linux-musl/13.2.0/lto-wrapper
```

```
Target: x86_64-linux-musl
```

```
Configured with: ../gcc/configure --target=x86_64-linux-musl --disable-docs
```

```
--disable-bootstrap --disable-libssp --disable-multilib --disable-shared
```

```
--enable-languages=c,c++,fortran --enable-lto
```

```
--prefix=/home/zyedidia/programming/lfi/toolchain/lfi-gcc/lfi-amd64-baseline-32
```

```
--with-pkgversion=LFI
```

```
Thread model: posix
```

(Continued on next page)

SPEC CPU®2017 Floating Point Rate Result

Copyright 2017-2024 Standard Performance Evaluation Corporation

My Corporation

SPECrate®2017_fp_base = 4.04

SPECrate®2017_fp_peak = Not Run

CPU2017 License: nnn (Your SPEC license number)

Test Sponsor: My Corporation

Tested by: My Corporation

Test Date: Jun-2024

Hardware Availability:

Software Availability:

Compiler Version Notes (Continued)

Supported LTO compression algorithms: zlib zstd

gcc version 13.2.0 (LFI)

specmake[1]: Leaving directory

'/mnt/seconddrive/Code/seguecg-root/segue-lfi/spec2017/benchspec/CPU/510.parest_r/build/build_base_lfi-gcc-baseline-32-m64.0000'

C++ | 508.namd_r(base pass)

specmake[1]: Entering directory

'/mnt/seconddrive/Code/seguecg-root/segue-lfi/spec2017/benchspec/CPU/508.namd_r/build/build_base_lfi-gcc-baseline-32-m64.0000'

C++ | 510.parest_r(base pass)

specmake[1]: Entering directory

'/mnt/seconddrive/Code/seguecg-root/segue-lfi/spec2017/benchspec/CPU/510.parest_r/build/build_base_lfi-gcc-baseline-32-m64.0000'

C++ | 511.povray_r(base)

specmake[1]: Entering directory

'/mnt/seconddrive/Code/seguecg-root/segue-lfi/spec2017/benchspec/CPU/511.povray_r/build/build_base_lfi-gcc-baseline-32-m64.0000'

C++ | 508.namd_r(base pass 0)

Using built-in specs.

COLLECT_GCC=/opt/lfi-amd64-baseline-32/bin/internal-x86_64-linux-musl-g++

COLLECT_LTO_WRAPPER=/opt/lfi-amd64-baseline-32/bin/../libexec/gcc/x86_64-linux-musl/13.2.0/lto-wrapper

Target: x86_64-linux-musl

Configured with: ../gcc/configure --target=x86_64-linux-musl --disable-docs

--disable-bootstrap --disable-libssp --disable-multilib --disable-shared

--enable-languages=c,c++,fortran --enable-lto

--prefix=/home/zyedidia/programming/lfi/toolchain/lfi-gcc/lfi-amd64-baseline-32

--with-pkgversion=LFI

Thread model: posix

Supported LTO compression algorithms: zlib zstd

gcc version 13.2.0 (LFI)

specmake[1]: Leaving directory

'/mnt/seconddrive/Code/seguecg-root/segue-lfi/spec2017/benchspec/CPU/508.namd_r/build/build_base_lfi-gcc-baseline-32-m64.0000'

(Continued on next page)

SPEC CPU®2017 Floating Point Rate Result

Copyright 2017-2024 Standard Performance Evaluation Corporation

My Corporation

SPECrate®2017_fp_base = 4.04

SPECrate®2017_fp_peak = Not Run

CPU2017 License: nnn (Your SPEC license number)

Test Sponsor: My Corporation

Tested by: My Corporation

Test Date: Jun-2024

Hardware Availability:

Software Availability:

Compiler Version Notes (Continued)

C++ | 510.parest_r(base pass 0)

Using built-in specs.

COLLECT_GCC=/opt/lfi-amd64-baseline-32/bin/internal-x86_64-linux-musl-g++

COLLECT_LTO_WRAPPER=/opt/lfi-amd64-baseline-32/bin/../libexec/gcc/x86_64-linux-musl/13.2.0/lto-wrapper

Target: x86_64-linux-musl

Configured with: ../gcc/configure --target=x86_64-linux-musl --disable-docs

--disable-bootstrap --disable-libssp --disable-multilib --disable-shared

--enable-languages=c,c++,fortran --enable-lto

--prefix=/home/zyedidia/programming/lfi/toolchain/lfi-gcc/lfi-amd64-baseline-32

--with-pkgversion=LFI

Thread model: posix

Supported LTO compression algorithms: zlib zstd

gcc version 13.2.0 (LFI)

specmake[1]: Leaving directory

'/mnt/seconddrive/Code/seguecg-root/segue-lfi/spec2017/benchspec/CPU/510.parest_r/build/build_base_lfi-gcc-baseline-32-m64.0000'

C++ | 508.namd_r(base pass)

specmake[1]: Entering directory

'/mnt/seconddrive/Code/seguecg-root/segue-lfi/spec2017/benchspec/CPU/508.namd_r/build/build_base_lfi-gcc-baseline-32-m64.0000'

C++ | 510.parest_r(base pass)

specmake[1]: Entering directory

'/mnt/seconddrive/Code/seguecg-root/segue-lfi/spec2017/benchspec/CPU/510.parest_r/build/build_base_lfi-gcc-baseline-32-m64.0000'

C++ | 511.povray_r(base)

specmake[1]: Entering directory

'/mnt/seconddrive/Code/seguecg-root/segue-lfi/spec2017/benchspec/CPU/511.povray_r/build/build_base_lfi-gcc-baseline-32-m64.0000'

C++ | 508.namd_r(base pass 0)

Using built-in specs.

COLLECT_GCC=/opt/lfi-amd64-baseline-32/bin/internal-x86_64-linux-musl-g++

COLLECT_LTO_WRAPPER=/opt/lfi-amd64-baseline-32/bin/../libexec/gcc/x86_64-linux-musl/13.2.0/lto-wrapper

Target: x86_64-linux-musl

Configured with: ../gcc/configure --target=x86_64-linux-musl --disable-docs

(Continued on next page)

SPEC CPU®2017 Floating Point Rate Result

Copyright 2017-2024 Standard Performance Evaluation Corporation

My Corporation

SPECrate®2017_fp_base = 4.04

SPECrate®2017_fp_peak = Not Run

CPU2017 License: nnn (Your SPEC license number)

Test Sponsor: My Corporation

Tested by: My Corporation

Test Date: Jun-2024

Hardware Availability:

Software Availability:

Compiler Version Notes (Continued)

```
--disable-bootstrap --disable-libssp --disable-multilib --disable-shared
--enable-languages=c,c++,fortran --enable-lto
--prefix=/home/zyedidia/programming/lfi/toolchain/lfi-gcc/lfi-amd64-baseline-32
--with-pkgversion=LFI
Thread model: posix
Supported LTO compression algorithms: zlib zstd
gcc version 13.2.0 (LFI)
specmake[1]: Leaving directory
'/mnt/seconddrive/Code/seguecg-root/segue-lfi/spec2017/benchspec/CPU/508.namd_r/build/build_base_lfi-gcc-baseline-32-m64.0000'
-----

C++      | 510.parest_r(base pass 0)
-----

Using built-in specs.
COLLECT_GCC=/opt/lfi-amd64-baseline-32/bin/internal-x86_64-linux-musl-g++
COLLECT_LTO_WRAPPER=/opt/lfi-amd64-baseline-32/bin/../../libexec/gcc/x86_64-linux-musl/13.2.0/lto-wrapper
Target: x86_64-linux-musl
Configured with: ../gcc/configure --target=x86_64-linux-musl --disable-docs
--disable-bootstrap --disable-libssp --disable-multilib --disable-shared
--enable-languages=c,c++,fortran --enable-lto
--prefix=/home/zyedidia/programming/lfi/toolchain/lfi-gcc/lfi-amd64-baseline-32
--with-pkgversion=LFI
Thread model: posix
Supported LTO compression algorithms: zlib zstd
gcc version 13.2.0 (LFI)
specmake[1]: Leaving directory
'/mnt/seconddrive/Code/seguecg-root/segue-lfi/spec2017/benchspec/CPU/510.parest_r/build/build_base_lfi-gcc-baseline-32-m64.0000'
-----

C++      | 508.namd_r(base pass )
-----

specmake[1]: Entering directory
'/mnt/seconddrive/Code/seguecg-root/segue-lfi/spec2017/benchspec/CPU/508.namd_r/build/build_base_lfi-gcc-baseline-32-m64.0000'
-----

C++      | 510.parest_r(base pass )
-----

specmake[1]: Entering directory
'/mnt/seconddrive/Code/seguecg-root/segue-lfi/spec2017/benchspec/CPU/510.parest_r/build/build_base_lfi-gcc-baseline-32-m64.0000'
-----

C++      | 511.povray_r(base)
-----
```

(Continued on next page)

SPEC CPU®2017 Floating Point Rate Result

Copyright 2017-2024 Standard Performance Evaluation Corporation

My Corporation

SPECrate®2017_fp_base = 4.04

SPECrate®2017_fp_peak = Not Run

CPU2017 License: nnn (Your SPEC license number)

Test Sponsor: My Corporation

Tested by: My Corporation

Test Date: Jun-2024

Hardware Availability:

Software Availability:

Compiler Version Notes (Continued)

specmake[1]: Entering directory

'/mnt/seconddrive/Code/seguecg-root/segue-lfi/spec2017/benchspec/CPU/511.povray_r/build/build_base_lfi-gcc-baseline-32-m64.0000'

C++ | 508.namd_r(base pass 0)

Using built-in specs.

COLLECT_GCC=/opt/lfi-amd64-baseline-32/bin/internal-x86_64-linux-musl-g++

COLLECT_LTO_WRAPPER=/opt/lfi-amd64-baseline-32/bin/./libexec/gcc/x86_64-linux-musl/13.2.0/lto-wrapper

Target: x86_64-linux-musl

Configured with: ../gcc/configure --target=x86_64-linux-musl --disable-docs

--disable-bootstrap --disable-libssp --disable-multilib --disable-shared

--enable-languages=c,c++,fortran --enable-lto

--prefix=/home/zyedidia/programming/lfi/toolchain/lfi-gcc/lfi-amd64-baseline-32

--with-pkgversion=LFI

Thread model: posix

Supported LTO compression algorithms: zlib zstd

gcc version 13.2.0 (LFI)

specmake[1]: Leaving directory

'/mnt/seconddrive/Code/seguecg-root/segue-lfi/spec2017/benchspec/CPU/508.namd_r/build/build_base_lfi-gcc-baseline-32-m64.0000'

C++ | 510.parest_r(base pass 0)

Using built-in specs.

COLLECT_GCC=/opt/lfi-amd64-baseline-32/bin/internal-x86_64-linux-musl-g++

COLLECT_LTO_WRAPPER=/opt/lfi-amd64-baseline-32/bin/./libexec/gcc/x86_64-linux-musl/13.2.0/lto-wrapper

Target: x86_64-linux-musl

Configured with: ../gcc/configure --target=x86_64-linux-musl --disable-docs

--disable-bootstrap --disable-libssp --disable-multilib --disable-shared

--enable-languages=c,c++,fortran --enable-lto

--prefix=/home/zyedidia/programming/lfi/toolchain/lfi-gcc/lfi-amd64-baseline-32

--with-pkgversion=LFI

Thread model: posix

Supported LTO compression algorithms: zlib zstd

gcc version 13.2.0 (LFI)

specmake[1]: Leaving directory

'/mnt/seconddrive/Code/seguecg-root/segue-lfi/spec2017/benchspec/CPU/510.parest_r/build/build_base_lfi-gcc-baseline-32-m64.0000'

C++ | 508.namd_r(base pass)

specmake[1]: Entering directory

'/mnt/seconddrive/Code/seguecg-root/segue-lfi/spec2017/benchspec/CPU/508.namd_r/build/build_base_lfi-gcc-baseline-32-m64.0000'

(Continued on next page)

SPEC CPU®2017 Floating Point Rate Result

Copyright 2017-2024 Standard Performance Evaluation Corporation

My Corporation

SPECrate®2017_fp_base = 4.04

SPECrate®2017_fp_peak = Not Run

CPU2017 License: nnn (Your SPEC license number)

Test Sponsor: My Corporation

Tested by: My Corporation

Test Date: Jun-2024

Hardware Availability:

Software Availability:

Compiler Version Notes (Continued)

```
=====  
C++      | 510.parest_r(base pass )  
=====
```

```
specmake[1]: Entering directory
```

```
'/mnt/seconddrive/Code/seguecg-root/segue-lfi/spec2017/benchspec/CPU/510.parest_r/build/build_base_lfi-gcc-baseline-32-m64.0000'
```

```
=====  
C++      | 511.povray_r(base)  
=====
```

```
specmake[1]: Entering directory
```

```
'/mnt/seconddrive/Code/seguecg-root/segue-lfi/spec2017/benchspec/CPU/511.povray_r/build/build_base_lfi-gcc-baseline-32-m64.0000'
```

```
=====  
C++, C   | 511.povray_r(base)  
=====
```

```
Using built-in specs.
```

```
COLLECT_GCC=/opt/lfi-amd64-baseline-32/bin/internal-x86_64-linux-musl-g++
```

```
COLLECT_LTO_WRAPPER=/opt/lfi-amd64-baseline-32/bin/../libexec/gcc/x86_64-linux-musl/13.2.0/lto-wrapper
```

```
Target: x86_64-linux-musl
```

```
Configured with: ../gcc/configure --target=x86_64-linux-musl --disable-docs
```

```
--disable-bootstrap --disable-libssp --disable-multilib --disable-shared
```

```
--enable-languages=c,c++,fortran --enable-lto
```

```
--prefix=/home/zyedidia/programming/lfi/toolchain/lfi-gcc/lfi-amd64-baseline-32
```

```
--with-pkgversion=LFI
```

```
Thread model: posix
```

```
Supported LTO compression algorithms: zlib zstd
```

```
gcc version 13.2.0 (LFI)
```

```
Using built-in specs.
```

```
COLLECT_GCC=/opt/lfi-amd64-baseline-32/bin/internal-x86_64-linux-musl-gcc
```

```
COLLECT_LTO_WRAPPER=/opt/lfi-amd64-baseline-32/bin/../libexec/gcc/x86_64-linux-musl/13.2.0/lto-wrapper
```

```
Target: x86_64-linux-musl
```

```
Configured with: ../gcc/configure --target=x86_64-linux-musl --disable-docs
```

```
--disable-bootstrap --disable-libssp --disable-multilib --disable-shared
```

```
--enable-languages=c,c++,fortran --enable-lto
```

```
--prefix=/home/zyedidia/programming/lfi/toolchain/lfi-gcc/lfi-amd64-baseline-32
```

```
--with-pkgversion=LFI
```

```
Thread model: posix
```

```
Supported LTO compression algorithms: zlib zstd
```

```
gcc version 13.2.0 (LFI)
```

```
specmake[1]: Leaving directory
```

```
'/mnt/seconddrive/Code/seguecg-root/segue-lfi/spec2017/benchspec/CPU/511.povray_r/build/build_base_lfi-gcc-baseline-32-m64.0000'
```

SPEC CPU®2017 Floating Point Rate Result

Copyright 2017-2024 Standard Performance Evaluation Corporation

My Corporation

SPECrate®2017_fp_base = 4.04

SPECrate®2017_fp_peak = Not Run

CPU2017 License: nnn (Your SPEC license number)

Test Sponsor: My Corporation

Tested by: My Corporation

Test Date: Jun-2024

Hardware Availability:

Software Availability:

Base Unknown Flags

508.namd_r: "/opt/lfi-amd64-baseline-32/bin/x86_64-linux-musl-" (in CXX)
"/opt/lfi-amd64-baseline-32/bin/x86_64-linux-musl-" (in LD)
"-fomit-frame-pointer" (in OPTIMIZE)

510.parest_r: "/opt/lfi-amd64-baseline-32/bin/x86_64-linux-musl-" (in CXX)
"/opt/lfi-amd64-baseline-32/bin/x86_64-linux-musl-" (in LD)
"-fomit-frame-pointer" (in OPTIMIZE)

511.povray_r: "/opt/lfi-amd64-baseline-32/bin/x86_64-linux-musl-" (in CXX)
"/opt/lfi-amd64-baseline-32/bin/x86_64-linux-musl-" (in CC)
"/opt/lfi-amd64-baseline-32/bin/x86_64-linux-musl-" (in LD)
"-fomit-frame-pointer" (in OPTIMIZE)

519.lbm_r: "/opt/lfi-amd64-baseline-32/bin/x86_64-linux-musl-" (in CC)
"/opt/lfi-amd64-baseline-32/bin/x86_64-linux-musl-" (in LD)
"-fomit-frame-pointer" (in OPTIMIZE)

538.imagick_r: "/opt/lfi-amd64-baseline-32/bin/x86_64-linux-musl-" (in CC)
"/opt/lfi-amd64-baseline-32/bin/x86_64-linux-musl-" (in LD)
"-fomit-frame-pointer" (in OPTIMIZE)

544.nab_r: "/opt/lfi-amd64-baseline-32/bin/x86_64-linux-musl-" (in CC)
"/opt/lfi-amd64-baseline-32/bin/x86_64-linux-musl-" (in LD)
"-fomit-frame-pointer" (in OPTIMIZE)

Base Runtime Environment

Benchmarks using both C and C++:

511.povray_r: No flags used

Base Compiler Invocation

C benchmarks:

gcc

C++ benchmarks:

g++

Benchmarks using both C and C++:

(Continued on next page)

SPEC CPU®2017 Floating Point Rate Result

Copyright 2017-2024 Standard Performance Evaluation Corporation

My Corporation

SPECrate®2017_fp_base = 4.04

SPECrate®2017_fp_peak = Not Run

CPU2017 License: nnn (Your SPEC license number)

Test Sponsor: My Corporation

Tested by: My Corporation

Test Date: Jun-2024

Hardware Availability:

Software Availability:

Base Compiler Invocation (Continued)

511.povray_r: g++ gcc

Base Portability Flags

508.namd_r: -DSPEC_LP64
510.parest_r: -DSPEC_LP64
511.povray_r: -DSPEC_LP64
519.lbm_r: -DSPEC_LP64
538.imagick_r: -DSPEC_LP64
544.nab_r: -DSPEC_LP64

Base Optimization Flags

C benchmarks:

-std=c99 -O3 -flto

C++ benchmarks:

-std=c++03 -O3 -flto

Benchmarks using both C and C++:

511.povray_r: -std=c++03 -std=c99 -O3 -flto

Base Other Flags

Benchmarks using both C and C++:

511.povray_r: No flags used

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

Tested with SPEC CPU®2017 v0.0.0 on 2024-06-23 10:04:24-0500.

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