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My Corporation

SPECrate®2017_fp_base =

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:

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

	Base							Peak						
Benchmark	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
503.bwaves_r														
507.cactuBSSN_r			/(N									
508.namd_r	1	312	3.05	//	\smile)									
510.parest_r	1	<u>660</u>	<u>3.96</u>											
511.povray_r	1	468	<u>4.99</u>											
519.lbm_r	1	<u>266</u>	<u>3.97</u>)										
521.wrf_r														
526.blender_r			1											
527.cam4_r	/		1											
538.imagick_r	1	<u>583</u>	<u>4.27</u>											
<i>5</i> /44.nab_r	1	397	<u>4.24</u>											
549.fotonik3d_r														
554.roms_r		V												

SPECrate 2017 p_base = 4.04

SPECrate[®]2017_fp_peak = Not Run

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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Test Date: Jun-2024 Hardware Availability:

Software Availability:

Platform Notes

Sysinfo program /mnt/seconddrive/Code/seguecg-root/segue-lki/spec2017/bin/sysinfo Rev: r6365 of 2019-08-21 295195f888a3d7edb1e6e46a485a0011 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/conf/g.html#sysinfo

From /proc/cpuinfo

model name : 13th Gen Intel(R) Core(TM) 19-13900ks

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: CPU op-mode(s Address sizes: Byte Order:

CPU(s): On-line CPU(s) list: Off-line CPU(s) list Vendor ID

Model name: PU family

Model: Thread(s) per core: Core(s) per socket: Socket(s)/

Stepping: CPU max MHz: CPV min MHz: Bog MIPS:

Flags:

x86_64 32-bit, 64-bit

46 bits physical, 48 bits virtual

Little Endian 32

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

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

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

6000.0000 0.0000 6374.40

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 pdpelgb 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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SPECrate $^{\circ}2017$ _fp_base \Rightarrow 4.

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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_exp 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:
     Lld cache:
                                            896 KiB (24 instances)
     Lli cache:
                                              MiB (24 instances)
     L2 cache:
                                             2 MiB (1% instances)
     L3 cache:
                                             6 MiB (1 instance)
     NUMA node(s):
                                            0,2,4,6,8,10,12,14,16-31
     NUMA node0 CPU(s):
     Vulnerability Gather data sampling:
                                            Not affected
     Vulnerability Itlb myltihit:
                                            Not affected
     Vulnerability L1tf:
                                            Not affected
     Vulnerability Mds:
                                            Not affected
     Vulnerability Meltdown:
                                            Not affected
                                            Not affected
     Vulnerability Mmio stale data:
     Vulnerability Retbleed:
                                            Not affected
     Vulnerability Spec stack overflow
Vulnerability Spec store bypass
                                            Not affected
                                            Mitigation; Speculative Store Bypass disabled
     via prctl
     Vulnerability Spectre v
                                           Mitigation; usercopy/swapgs barriers and __user
     pointer sanitization
                                            Mitigation; Enhanced / Automatic IBRS, IBPB
     Vulnerability Spectre v
     conditional RSB filling, PBRSB-eIBRS SW sequence
                                            Not affected
     Vulnerability Srbds
     Vulnerability Tsx async abort:
                                            Not affected
/proc/cpuinfo cache data
   cache size: 36864 KB
From momactl --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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Test Date: Jun-2024 Hardware Availability:

Software Availability:

```
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

Kernel self-reported vulnerability status:

```
Not affected
gather_data_sampling:
                                            Not affected
itlb_multihit:
CVE-2018-3620 (L1 Terminal Fault)
                                           ∜ot affected
Microarchitectural Data Sampling:
                                           Not affected
                                           Not affected
CVE-2017-5754 (Meltdown)
mmio_stale_data:
                                           Not affected
retbleed:
                                           Not affected
spec_rstack_overflow;
                                           Not affected
CVE-2018-3639 (Speculative Store
                                 pypass): Mitigation: Speculative Store Bypass disabled
                                           via prctl
              (Spectre
CVE-2017-5753
                      variant 1):
                                         Mitigation: usercopy/swapgs barriers and __user
                                           pointer sanitization
CVE-2017-5715 (Spectre variant 2):
                                           Mitigation: Enhanced / Automatic IBRS, IBPB:
```

conditional, RSB filling, PBRSB-eIBRS: SW
sequence
Not affected
Not affected

srbds: tsx_async_abort:

run-level 5 Jun 22 18:34

```
SREC is set to /mnt/seconddrive/Code/seguecg-root/segue-lfi/spec2017
Rilesystem Type Size Used Avail Use% Mounted on
/dev/nvme0nlp1 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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Page 6

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SPECrate®2017_fp_peak **∜**ot Run

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Test Sponsor: My Corporation My Corporation Test Date: Jun-2024

https://www.spec.org/

Hardware Availability: Software Availability:

Platform Notes (Continued)

(End of data from sysinfo program)

Compiler Version Notes

```
| 519.1bm_r(base pass 0)
Using built-in specs.
COLLECT_GCC=/opt/lfi-amd64-base/Type-32/bih/internalyx86_64-linux-musl-gcc
COLLECT_LTO_WRAPPER=/opt/lfi-amd64-baseline-32/bin/./libexeclycc/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/too/chain/lfi-gcc/lfi-amd64-baseline-32
  --with-pkgversion=LFI
Thread model: posix
Supported LTO compression algorithms:
gcc version 13.2.0 (LFI)
specmake[1]: Leaving director
 '/mnt/seconddrive/Code/segueg-root/segue-lfi/sp
                                0000-m64.0000/jpb-15-denchspec/CPU/519.lbm_r/build/build_base_lfi-gcc-baseline-32-m64.0000
------
     | 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'
_______
    544.nab_r(base pass 0)
Using built-in specs.
                                  (Continued on next page)
```

Standard Performance Evaluation Corporation (info@spec.org)

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Hardware Availability: Software Availability:

```
COLLECT_GCC=/opt/lfi-amd64-baseline-32/bin/internal-x86_64-linux-musl-gcc
COLLECT_LTO_WRAPPER=/opt/lfi-amd64-baseline-32/bin/../libexec/gccxx86_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 ltd
  --prefix=/home/zyedidia/programming/lfi/tolchain/lfi-gcc/lfi-amd64-baseline-32
  --with-pkgversion=LFI
Thread model: posix
Supported LTO compression algorathms: zlib zstd
gcc version 13.2.0 (LFI)
specmake[1]: Leaving directory
 '/mmt/seconddrive/Code/seguecg-root/seguelfi/sped/017/benchspec/CPU/544.nab_r/build/build_base_lfi-gcc-baseline-32-m64.0000'
519.lbm_r(base pass )
specmake[1]: Entering directory
 '/mnt/seconddrive/Code/seguecg-root/segue-11i/spec2
       | 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'
         $44.nab<u>r(ba</u>ge pass )
specmake[1]: Intering directory
 '/mm/seconddriv/Code/seguecg-root/segue-lfi/spec2017/benchspec/CPU/544.nab_r/build/build_base_lfi-gcc-baseline-32-m64.0000'
\51\9.1bm_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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SPECrate®2017_fp_base = 4.04

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Test Sponsor: My Corporation **Tested by:** My Corporation

Test Date: Jun-2024 Hardware Availability:

Software Availability:

```
--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/CPN/519.lbm_r/build/build_base_lfi-gcc-baseline-32-m64.0000'
       | 538.imagick_r(base pass ))
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-32xbinx../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/lf//toolchain/lfi-gcc/lfi-amd64-baseline-32
  --with-pkgversion=LFI
Thread model: posix
Supported LTO compression algorithms: zlib zstd
gcc version 13.2.0 (DFX)
specmake[1]: Leaving director
 '/mnt/seconddrive/Code/seguecg-rood/segue-lfi/spec2017/benchspec/CPU/538.imagick_r/build/build_base_lfi-gcc-baseline-32-m64.0000
------
     | 644 nab_r(base pass 0)
Using built-in specs.
COLLECT_CCC=/opt/lfi/amd64-baseline-32/bin/internal-x86_64-linux-musl-gcc
COLLECT_LTO_WRAPPER=/bpt/lfi-amd64-baseline-32/bin/../libexec/gcc/x86_64-linux-musl/13.2.0/lto-wrapper
Target: x86_64-11hux-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
  --prefax=/home/zyedidia/programming/lfi/toolchain/lfi-gcc/lfi-amd64-baseline-32
  --with kgversion=LFI
Thread model: posix
Supported LTO compression algorithms: zlib zstd
gcc version 13.2.0 (LFI)
specmake[1]: Leaving directory
```

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SPECrate $^{\circ}2017$ _fp_base \Rightarrow 4.04

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С

Test Date: Jun-2024 Hardware Availability:

Software Availability:

Compiler Version Notes (Continued) | 519.lbm_r(base pass)

specmake[1]: Entering directory '/mnt/seconddrive/Code/seguecg-root/segue-lfi/spec2017/benchspec/CPU/519.lbm_r/build/baild_base_lfi-gcc-baseline-32-m64.0000 ______ | 538.imagick_r(base pass) specmake[1]: Entering directory '/mnt/seconddrive/Code/seguecg-root/segue-lfi/spec2017/benchspec/CTU/538.imagick_r/build/build_base_lfi-gcc-baseline-32-m64.0000' 544.nab_r(base pass) specmake[1]: Entering directory '/mnt/seconddrive/Code/seguecg-root/segue-lfi/spec20l/benyhspec/CPU/544.nab_r/build/build_base_lfi-gcc-baseline-32-m64.0000' | 519.1bm_r(base pass ()) Using built-in specs. COLLECT_GCC=/opt/lfi-amd64-baseline-32/bin/internal-x86_64-linux-musl-gcc COLLECT_LTO_WRAPER=/opt/lfilamd64-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-bookstrap --disable-libssp --disable-multilib --disable-shared --enable-languages=c,c++,fortran --enable-lto --prefix=/home/zyed/dia/programming/lfi/toolchain/lfi-gcc/lfi-amd64-baseline-32 --with-pkgversion=LFI Thread model: posik Supported LTO compression algorithms: zlib zstd gcs 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 ______ 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

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Tested by:

SPECrate[®]2017_fp_base = 4.04

SPECrate®2017_fp_peak Not Run

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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-md64-baseline-32
- --with-pkgversion=LFI
 Thread model: posix

Supported LTO compression algorithms: zlib xstd

gcc version 13.2.0 (LFI)

specmake[1]: Leaving directory

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

C | 544.nab_r(base pass %)

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-3%/bin/../libexec/gcc/x86_64-linux-mus1/13.2.0/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/zyeddia/programming/lfi/toolchain/lfi-gcc/lfi-amd64-baseline-32
- --with-pkgversion TT

Thread model: posix

Supported LTO compression algorithms: zlib zstd

gcc version 13.2.0 (DFI) 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

519.1bm_r base pass)

specmake[1]: Entering directory

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

C /38.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)

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SPECrate[®]2017_fp_base = **4**1.04

SPECrate®2017_fp_peak= **∜**ot Run

CPU2017 License: nnn (Your SPEC license number)

Test Sponsor: My Corporation **Tested by:** My Corporation Test Date: Jun-2024

Hardware Availability: Software Availability:

```
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'
           519.lbm_r(base pass 0)
Using built-in specs.
COLLECT_GCC=/opt/lfi-amd64-baseline-32/bih/internal-x86_64-linux-musl-gcc
COLLECT_LTO_WRAPPER=/opt/lfi-amd64-bese ine-32/bese / 1/2 ibexe / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 
Target: x86_64-linux-musl
Configured with: ../gcc/configure --target=x86_64-12nux-musl --disable-docs
    --disable-bootstrap --disable-libes --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: zlip zstd
gcc version 13.2.0 (LFI)
specmake[1]: Leaving director
   '/mnt/seconddrive/Code/seguegg-root/segue-1fi/apec2017/benchspec/CPU/519.lbm_r/build/build_base_1fi-gcc-baseline-32-m64.0000'
               | 538.imagick_r(base pass 0)
             ------
Using built-in specs.
COLLECT_GCC=/opt/lfi-amdo4 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: ../goc/configure --target=x86_64-linux-musl --disable-docs
    --disable bootstrap --disable-libssp --disable-multilib --disable-shared
      -enable languages=c,c++,fortran --enable-lto
    --grefix=/home/2yedidia/programming/lfi/toolchain/lfi-gcc/lfi-amd64-baseline-32
     -with-pkgversion=LFI
Thread model: posix
Supported LT compression algorithms: zlib zstd
gcc version 13.2.0 (LFI)
specmake [1]: Leaving directory
   '/mnt/seconddrive/Code/sequecq-root/seque-lfi/spec2017/benchspec/CPU/538.imagick r/build/build base lfi-qcc-baseline-32-m64.0000'
______
           544.nab_r(base pass 0)
Using built-in specs.
COLLECT_GCC=/opt/lfi-amd64-baseline-32/bin/internal-x86_64-linux-musl-gcc
```

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Test Sponsor:

Tested by:

SPECrate[®]2017_fp_base \(\)

SPECrate®2017_fp_peak = Not Run

CPU2017 License: nnn (Your SPEC license number)

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Test Date: Jun-2024

Hardware Availability: Software Availability:

```
COLLECT_LTO_WRAPPER=/opt/lfi-amd64-baseline-32/bin/../libexec/gc/x66_64-linux-musl/13.2.0/lto-wrapper
Target: x86_64-linux-musl
Configured with: ../gcc/configure --target=x86_64-linux-musl -d/sable-docs
  --disable-bootstrap --disable-libssp --disable-multilib --disable-shared
  --enable-languages=c,c++,fortran --enable-lto
  --prefix=/home/zyedidia/programming/lfi/toolchain/lfi-gcc/Yfi-amd64-baseline-32
  --with-pkgversion=LFI
Thread model: posix
Supported LTO compression algorithms: zlip zstd
gcc version 13.2.0 (LFI)
specmake[1]: Leaving directory
 '/mnt/seconddrive/Code/seguecg-root/segue-lfi/spec_017/henchspec_/CPU/544_nab_r/build_build_base_lfi-gcc-baseline-32-m64.0000'
       519.1bm_r(base pass )
specmake[1]: Entering directory
 '/mnt/seconddrive/Code/seguecg-roft/segue-lfixspec2017benchspec/CPU/519.lbm_r/build/build_base_lfi-gcc-baseline-32-m64.0000'
================
                                    specmake[1]: Entering directory
                          /egue-lfi/spec2017/benchspec/CPU/538.imagick_r/build/build_base_lfi-gcc-baseline-32-m64.0000
             ---
          44.nab_r(base pass )
             Entering directory
  , unt/secondoxive Code/seguecg-root/segue-lfi/spec2017/benchspec/CPU/544.nab_r/build/build_base_lfi-gcc-baseline-32-m64.0000
C
         519.1bm_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)
```

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SPECrate $^{\circ}2017$ _fp_base \Rightarrow 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:

```
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/bul/d_base_lfi-gcc-baseline-32-m64.0000'
______
       538.imagick_r(base pass_0)
Using built-in specs.
COLLECT_GCC=/opt/lfi-amd64-baseline-32Ybin/internal-x86_64-linux-musl-gcc
COLLECT_LTO_WRAPPER=/opt/lfi-ama64 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-hibssp --disable-multilib --disable-shared
  --enable-languages=c,c++,fortran --enable 1to
  --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 (XI)
specmake[1]: Leaving directory
 '/mnt/seconddrive/Code/seguecg-
                        ot/seque-Mi/spec2017/benchspec/CPU/538.imagick r/build/build base lfi-qcc-baseline-32-m64.0000'
       544.nab_r(base pass 0)
Using built-in specs.
COLLECT_GCC=/optxlf1-amd64-baseline-32/bin/internal-x86_64-linux-musl-gcc
COLLECT/TTO_WRAPPER=/qp//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-boptstrap --disable-libssp --disable-multilib --disable-shared
  --enable-larguages=c,c++,fortran --enable-lto
  --prefix=/nome/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
 '/mmt/seconddrive/Code/seguecg-root/segue-lfi/spec2017/benchspec/CPU/544.nab_r/build/build_base_lfi-gcc-baseline-32-m64.0000'
______
       | 519.1bm_r(base pass )
```

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SPECrate[®]2017_fp_base =

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:

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 page)
specmake[1]: Entering directory '/mnt/seconddrive/Code/seguecg-root/segue-lfi/spec2017Xbenchspec/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:/scc/configuretarget=x86_64-linux-musldisable-docs disable-bootstrapdisable-libsspdisable-multilibdisable-shared enable-languages=c,c++,fortranenable-lto prefix=/hone/syedidia/programming/lfi/toolchain/lfi-gcc/lfi-amd64-baseline-32 with pkgversion=boot Thread model: posix Supported LTO compression algorithms: zlib zstd qcc 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/configuretarget=x86_64-linux-musldisable-docsdisable-bootstrapdisable-libsspdisable-multilibdisable-shared
(Continued on next page)

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Tested by:

SPECrate[®]2017_fp_base = **4**.04

SPECrate®2017_fp_peak **Y**ot Run

CPU2017 License: nnn (Your SPEC license number)

My Corporation 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: z zstd gcc version 13.2.0 (LFI) specmake[1]: Leaving directory '/mnt/seconddrive/Code/seguecg-root/segue-lfi/spec2017/bench ec/CPU/5%.imagick_r/build/build_base_lfi-gcc-baseline-32-m64.0000'

| 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 --mable-lto
- --prefix=/home/zyedidia/programming/lfi/toolchain/lfi-gcc/lfi-amd64-baseline-32
- --with-pkgversion=ZTI

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'

19.1bm_r(base pass)

specmake[N: Entering directory

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

53/8.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'

| 544.nab_r(base pass)

specmake[1]: Entering directory

(Continued on next page)

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SPECrate[®]2017_fp_base = 4.

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.nab_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/configuretargetx86_64-linux-musldisable-docs disable-bootstrapdisable-libsspdisable-multilibdisable-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: xlib xstd gcc version 13.2.0 (LFI) specmake[1]: Leaving directory '/mnt/seconddrive/Code/seguecg-root/segue/lfi/spec20/1/benchspec/CPU/508.namd_r/build/build_base_lfi-gcc-baseline-32-m64.0000'
Using built-in specs. COLLECT_GCC=/opt/lf1 amd64-baseline-32/bin/internal-x86_64-linux-musl-g++ COLLECT_LTO WRAPPER=/opt/lf1-amd64-baseline-32/bin//libexec/gcc/x86_64-linux-musl/13.2.0/lto-wrapper Target: x86_64-linux-musl Configured with: /gcc/configuretarget=x86_64-linux-musldisable-docs disable-bootstrap/disable-libsspdisable-multilibdisable-shared enable-languages-c,c++,fortranenable-lto prefix=/home/zyedidia/programming/lfi/toolchain/lfi-gcc/lfi-amd64-baseline-32 with-pkgvers-on=LFI Thread model: posix Supported LTO compression algorithms: zlib zstd gcc version /3.2.0 (LFI) specmake 1 Leaving directory '/mnt/secondrive/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'

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SPECrate®2017_fp_base =

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:

Cut 510 parent r/bago pagg
C++ 510.parest_r(base pass)
specmake[1]: Entering directory '/mnt/seconddrive/Code/seguecg-root/segue-lfi/spec2017/benchspec/CPU/\$10.parest_r/build/build_base_lfi-gcc-baseline-32-m64.0000'
0 511
C++ 511.povray_r(base)
<pre>specmake[1]: Entering directory '/mnt/seconddrive/Code/seguecg-root/segue_Mi/spec/#17\benchspec/CPU/511.povray_r/build/build_base_lfi-gcc-baseline-32-m64.0000'</pre>
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/lfilamd64-baseline/32/bin//libexec/gcc/x86_64-linux-musl/13.2.0/lto-wrapper
Target: x86_64-linux musl
Configured with:/9cc/configuretarget=x86_64-linux-musldisable-docs
disable-bootstrapdisable-libsspdisable-multilibdisable-shared enable-languages=c,r++,fortranenable-lto
enable-languages-c, c++, fortrainenable-100 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)
\(\frac{1}{2}\)
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/configuretarget=x86_64-linux-musldisable-docs
disable-bootstrapdisable-libsspdisable-multilibdisable-shared
enable-languages=c,c++,fortranenable-lto
prefix=/home/zyedidia/programming/lfi/toolchain/lfi-gcc/lfi-amd64-baseline-32
with-pkgversion=LFI
Thread model: posix
(Continued on next page)

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SPECrate®2017_fp_base = 4

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:

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SPECrate[®]2017_fp_base = 4.04

SPECrate®2017_fp_peak = Not Run

CPU2017 License: nnn (Your SPEC license number)

508.namd_r(base pass 0)

Using built-in specs.

Target: x86_64-linux-musl

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/b/nxinternal-x86_64-hinyx-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 506 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 PU/510.parest_r/build/build_base_lfi-gcc-baseline-32-m64.0000' | 508.namd_r(base **pass** specmake[1]: Entering directo: '/mnt/seconddrive/Code/segued spec2017/benchspec/CPU/508.namd r/build/build base lfi-qcc-baseline-32-m64.0000' 510.parest_r(base pass) specmake[/]: Entering directory '/mnt/segonharive/Code/seguecg-root/segue-lfi/spec2017/benchspec/CPU/510.parest_r/build/build_base_lfi-gcc-baseline-32-m64.0000' 511 povray_r(base) specmake[1]: Entering directory '/mnt/seconddriv//Code/seguecg-root/segue-lfi/spec2017/benchspec/CPU/511.povray_r/build/build_base_lfi-gcc-baseline-32-m64.0000' ______

(Continued on next page)

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

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

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

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Test Sponsor:

Tested by:

SPECrate[®]2017_fp_base = **4**.04

SPECrate®2017_fp_peak **∜**ot Run

CPU2017 License: nnn (Your SPEC license number)

My Corporation 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/lri-md64-baseline-32 --with-pkgversion=LFI

Thread model: posix

Supported LTO compression algorithms: zlib xstd

gcc version 13.2.0 (LFI) specmake[1]: Leaving directory

'/mnt/seconddrive/Code/seguecg-root/segue-lfi/spec2017/benchspec/CPU/500 namd r/build_base_lfi-gcc-baseline-32-m64.0000'

| 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 --tanget=x86_64-linux-musl --disable-docs --disable-bootstrap --disable-libssp --disable-multilib --disable-shared

- --enable-languages=c,c++)fortran --enable-lto
- --prefix=/home/zyeddia/programming/lfi/toolchain/lfi-gcc/lfi-amd64-baseline-32
- --with-pkgversion TY

Thread model: posix

Supported LTO compression algorithms: zlib zstd

gcc version 13.2.0 (LFI) specmake[1]: Leaving directory

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

 $508.namd_r(base pass)$

specmake[1]: Entering directory

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

10.parest_r(base pass)

specmake[1]: Entering directory

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

______ 511.povray_r(base)

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Tested by:

SPECrate[®]2017_fp_base = **4**1.04

SPECrate®2017_fp_peak= **∜**ot Run

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Test Sponsor: My Corporation 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/quild/muild_base_lfi-gcc-baseline-32-m64.0000'
        508.namd_r(base pass 0)
Using built-in specs.
COLLECT_GCC=/opt/lfi-amd64-baseline-32/binternal-x86_64-linux-musl-g++
COLLECT_LTO_WRAPPER=/opt/lfi-amd64-base)ine-32/bin ./libexed c/x86_64-linux-musl/13.2.0/lto-wrapper
Target: x86_64-linux-musl
Configured with: ../gcc/configure --target=x86_64-1/nux-musl --disable-docs
    --disable-bootstrap --disable-libes --disable-multilib --disable-shared
    --enable-languages=c,c++/fortran --enable lto
    --prefix=/home/zyedidia/programming/lfi/tool/hain/lfi-gcc/lfi-amd64-baseline-32
    --with-pkgversion=LFI
Thread model: posix
Supported LTO compression algorithms: zlip zstd
gcc version 13.2.0 (LFI)
specmake[1]: Leaving director
   '/mmt/seconddrive/Code/seguecg-root/segue-lfi/spec201//benchspec/CPU/508.namd_r/build/build_base_lfi-gcc-baseline-32-m64.0000'
              | 510.parest_r(base pass 0)
Using built-in specs.
COLLECT_GCC=/opt/lfi-amdo4 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: ../goc/configure --target=x86_64-linux-musl --disable-docs
    --disable bootstrap --disable-libssp --disable-multilib --disable-shared
      -enable languages=c,c++,fortran --enable-lto
    --grefix=/home/2yedidia/programming/lfi/toolchain/lfi-gcc/lfi-amd64-baseline-32
     -with-pkgversion=LFI
Thread model: posix
Supported LT compression algorithms: zlib zstd
gcc version 13.2.0 (LFI)
specmake [1]: Leaving directory
   '/mnt/seconddrive/Code/sequecq-root/seque-lfi/spec2017/benchspec/CPU/510.parest r/build/build base lfi-qcc-baseline-32-m64.0000'
______
               | 508.namd_r(base pass )
specmake[1]: Entering directory
   "/mnt/seconddrive/Code/seguecg-root/segue-lfi/spec2017/benchspec/CPU/508.namd\_r/build\_base\_lfi-gcc-baseline-32-m64.0000" and the condition of the condition o
```

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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) | 510.parest_r(base pass) specmake[1]: Entering directory '/mnt/seconddrive/Code/seguecg-root/segue-lfi/spec2017/benchsp CPU/510 parest_r/build/build_base_lfi-gcc-baseline-32-m64.0000' 511.povray_r(base) specmake[1]: Entering directory '/mnt/seconddrive/Code/seguecg-root/regue_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-amd(4)bdseline-32/bin/internal-x86_64-linux-musl-g++ COLLECT_LTO_WRAPPER=/op//lfi-amd64\baseline-32/bin/../libexec/gcc/x86_64-linux-musl/13.2.0/lto-wrapper Target: x86_64-linux-musl Configured with: .../gct/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 (H)1) 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 Taxget x86_64-linux-musl Configured with: ../gcc/configure --target=x86_64-linux-musl --disable-docs --disable-pootstrap --disable-libssp --disable-multilib --disable-shared --enable-languages=c,c++,fortran --enable-lto --pref; = /home/zyedidia/programming/lfi/toolchain/lfi-gcc/lfi-amd64-baseline-32 --with-pkgversion=LFI Thread model: posix

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

Supported LTO compression algorithms: zlib zstd

gcc version 13.2.0 (LFI)

specmake[1]: Leaving directory

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SPECrate[®]2017_fp_base \Rightarrow \checkmark .04

SPECrate®2017_fp_peak = Not Run

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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-"(if 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 CXX)

"/opt/lfi-amd64-baseline-32/bin/x86_64-linux musl "(I)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 dPTIM//EE)

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 PTIMIZE)

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++:

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SPECrate®2017_fp_peak Not Run

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Hardware Availability: Software Availability:

Base Compiler Invocation (Continued)

511.povray_r: q++ qcc

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 -03 -flt6

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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Page 24

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