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## My Corporation

SPECrate<sup>®</sup>2017\_fp\_base = 4.37

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)

544.nab\_r (base) did not have enough runs!

554.roms\_r (base) did not have enough runs!

549.fotonik3d\_r (base) did not have enough runs!

508.namd\_r (base) did not have enough runs!

526.blender r (base) did not have enough runs!

503.bwaves r (base) did not have enough runs!

511.povray\_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			/(	// \	10									
508.namd_r	1	<u>290</u>	3.28	/ \ \.	$\smile$ )									
510.parest_r	1	<u>5</u> √6	<u>4.54</u>											
511.povray_r	1	439	<u>5.32</u>	$\overline{}$										
519.lbm_r	11	<u>264</u>	<u>3.99</u>	$\bigcirc$										
521.wrf_r														
526.blender_r			1											
527.cam4_r	/		7											
538.imagick_r	1	<u>517</u>	<u>4.81</u>											
<i>5</i> /44.nab_r	1	369	<u>4.56</u>											
549.foton/k3d_r														
554.roms_r		V												

SPECrate 2017 p\_base = 4.37

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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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**Test Sponsor:** 

Tested by:

SPECrate<sup>®</sup>2017\_fp\_base = 1.37

SPECrate®2017\_fp\_peak \_1 **∀**ot Run

CPU2017 License: nnn (Your SPEC license number)

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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 07:58:23/2024
```

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

6 183 1

24 1

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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Test Date: Jun-2024 Hardware Availability:

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

Software Availability:

#### 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
                                            Not affected
     Vulnerability Tsx async abort:
/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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```
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```

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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/"
-a:
```

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
CVE-2017-5754 (Meltdown)
mmio_stale_data:
retbleed:
spec_rstack_overflow;
CVE-2018-3639 (Speculative Store
              (Spectre
CVE-2017-5753
                      variant 1):
```

Not affected
Not affected
Not affected
Not affected
Sypass): Mitigation: Speculative Store Bypass disabled
via prctl

Mitigation: usercopy/swapgs barriers and \_\_user pointer sanitization Mitigation: Enhanced / Automatic IBRS, IBPB: conditional, RSB filling, PBRSB-eIBRS: SW

sequence Not affected Not affected

tsx\_asyNd\_abort run-level 5 Jun 22 18:34

srbds:

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

/dev/nvme0n1p1 ext4 3.6T 698G 2.8T 21% /mnt/seconddrive

From /sys/devices/virtual/dmi/id BIOS: System76 FH Z5 01/25/2024

CVE-2017-5715 (Spectre variant 2):

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

SPECrate<sup>®</sup>2017\_fp\_base = **4**`.37

SPECrate®2017\_fp\_peak **∜**ot Run

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**Test Sponsor:** My Corporation My Corporation Test Date: Jun-2024 Hardware Availability:

https://www.spec.org/

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-amd64-32/bin(internal x86_64-linux-musl-gcc
COLLECT_LTO_WRAPPER=/opt/lfi-amd6 2/2/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/too/chain/lfi-gcc/lfi-amd64-32
  --with-pkgversion=LFI
Thread model: posix
Supported LTO compression algorithms:
                                    xlib zstd
gcc version 13.2.0 (LFI)
specmake[1]: Leaving director
 '/mnt/seconddrive/Code/segaecg-root/seque-lfil/secc2017/benchspec/CPU/519.lbm_r/build/build_base_lfi-gcc-32-m64.0000'
-------<del>/</del>----<del>/</del>----<del>/</del>-----
     | 538.imagick_r(base pass 0)
Using built-in specs.
COLLECT_GCC=/opt/lfi-amd64-32/bin/internal-x86_64-linux-musl-gcc
COLLECT_LTO_WRapper=/opt/lfi-amd64-32/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-amd64-32
  - 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/538.imagick_r/build/build_base_lfi-gcc-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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Test Date: Jun-2024

Hardware Availability: Software Availability:

```
COLLECT_GCC=/opt/lfi-amd64-32/bin/internal-x86_64-linex-mesl-gcc
COLLECT_LTO_WRAPPER=/opt/lfi-amd64-32/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 --djsable-shared
  --enable-languages=c,c++,fortran --enable ltd
  --prefix=/home/zyedidia/programming/lfi/toolchain/lfi-gcc/lfi-amd64-32
  --with-pkgversion=LFI
Thread model: posix
Supported LTO compression algor (it) ms: zlib xstd
gcc version 13.2.0 (LFI)
specmake[1]: Leaving directory
 '/mnt/seconddrive/Code/seguecg-root/segue-lfi/pec201 \benchspec/CPU/544.nab_r/build/build_base_lfi-gcc-32-m64.0000'
519.lbm_r(base pass )
specmake[1]: Entering directory
 '/mnt/seconddrive/Code/seguecgfrot/shgue-lflspc/2017/benchspec/CPU/519.lbm_r/build/build_base_lfi-gcc-32-m64.0000'
       | 538.imagick_r
                       base pass
specmake[1]: Entering directory
 '/mnt/seconddrive/Code/seguecg-rood/segue-lfi/spec2017/benchspec/CPU/538.imagick_r/build/build_base_lfi-gcc-32-m64.0000'
          (44.nab_r(b<del>as</del>e pass )
specmake[1]: Entering directory
 '/mmt/seconddrlye/Cooe/seguecg-root/segue-lfi/spec2017/benchspec/CPU/544.nab_r/build/build_base_lfi-gcc-32-m64.0000'
51/9.1bm_r(base pass 0)
Using built-in specs.
COLLECT_GCC=/opt/lfi-amd64-32/bin/internal-x86_64-linux-musl-gcc
COLLECT_LTO_WRAPPER=/opt/lfi-amd64-32/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-amd64-32
```

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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/beachspec/CPU/519.lbm_r/build/build_base_lfi-gcc-32-m64.0000'
       | 538.imagick_r(base passs ))
Using built-in specs.
COLLECT_GCC=/opt/lfi-amd64/32\bin/ipternal-x86_64-linux-musl-gcc
COLLECT_LTO_WRAPPER=/opt/lfivand64\32/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/zyedidia/programming/lfi/toolchain/lfi-gcc/lfi-amd64-32
  --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 root/segue-lfi/spec2017/benchspec/CPU/538.imagick_r/build/build_base_lfi-gcc-32-m64.0000'
------
    | 644 nab_r(base pass 0)
Using built-in specs.
COLLECT_CCC=/opt/lfi/amd64-32/bin/internal-x86_64-linux-musl-gcc
COLLECT_LTO_WRAPPER //opt/lfi-amd64-32/bin/../libexec/gcc/x86_64-linux-musl/13.2.0/lto-wrapper
Target: x86_64-11/hux-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-amd64-32
  --with kgversion=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-32-m64.0000'
```

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# My Corporation

SPECrate<sup>®</sup>2017\_fp\_base =

SPECrate®2017\_fp\_peak **∀**ot Run

CPU2017 License: nnn (Your SPEC license number)

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Test Date: Jun-2024 Hardware Availability:

Software Availability:

**4**.37

```
С
                | 519.1bm_r(base pass )
specmake[1]: Entering directory
   '/mnt/seconddrive/Code/seguecg-root/segue-lfi/spec2017/Denchspec/CPU/519.lbm_r/build/base_lfi-gcc-32-m64.0000
______
             538.imagick_r(base pass )
specmake[1]: Entering directory
   '/mnt/seconddrive/Code/seguecg-root/segue-lfi/speg2017/benchspec/CPU/33.imagick_r/build/build_base_lfi-gcc-32-m64.0000'
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-32-m64.0000'
               | 519.1bm_r(base pass ()
Using built-in specs.
COLLECT_GCC=/opt/lfi-amd64-32/bin/internal-x86_64-linux-musl-gcc
COLLECT_LTO_WRAPPER=/opt/Ani-amd64-32/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=/homexzyed/dia/programming/lfi/toolchain/lfi-gcc/lfi-amd64-32
     --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-32-m64.0000'
______
          538.imagick_r(base pass 0)
Using built-in specs.
COLLECT_GCC=/opt/lfi-amd64-32/bin/internal-x86_64-linux-musl-gcc
\verb|COLLECT_LTO_WRAPPER=/opt/lfi-amd64-32/bin/../libexec/gcc/x86\_64-linux-musl/13.2.0/lto-wrapper-linux-musl/13.2.0/lto-wrapper-linux-musl/13.2.0/lto-wrapper-linux-musl/13.2.0/lto-wrapper-linux-musl/13.2.0/lto-wrapper-linux-musl/13.2.0/lto-wrapper-linux-musl/13.2.0/lto-wrapper-linux-musl/13.2.0/lto-wrapper-linux-musl/13.2.0/lto-wrapper-linux-musl/13.2.0/lto-wrapper-linux-musl/13.2.0/lto-wrapper-linux-musl/13.2.0/lto-wrapper-linux-musl/13.2.0/lto-wrapper-linux-musl/13.2.0/lto-wrapper-linux-musl/13.2.0/lto-wrapper-linux-musl/13.2.0/lto-wrapper-linux-musl/13.2.0/lto-wrapper-linux-musl/13.2.0/lto-wrapper-linux-musl/13.2.0/lto-wrapper-linux-musl/13.2.0/lto-wrapper-linux-musl/13.2.0/lto-wrapper-linux-musl/13.2.0/lto-wrapper-linux-musl/13.2.0/lto-wrapper-linux-musl/13.2.0/lto-wrapper-linux-musl/13.2.0/lto-wrapper-linux-musl/13.2.0/lto-wrapper-linux-musl/13.2.0/lto-wrapper-linux-musl/13.2.0/lto-wrapper-linux-musl/13.2.0/lto-wrapper-linux-musl/13.2.0/lto-wrapper-linux-musl/13.2.0/lto-wrapper-linux-musl/13.2.0/lto-wrapper-linux-musl/13.2.0/lto-wrapper-linux-musl/13.2.0/lto-wrapper-linux-musl/13.2.0/lto-wrapper-linux-musl/13.2.0/lto-wrapper-linux-musl/13.2.0/lto-wrapper-linux-musl/13.2.0/lto-wrapper-linux-musl/13.2.0/lto-wrapper-linux-musl/13.2.0/lto-wrapper-linux-musl/13.2.0/lto-wrapper-linux-musl/13.2.0/lto-wrapper-linux-musl/13.2.0/lto-wrapper-linux-musl/13.2.0/lto-wrapper-linux-musl/13.2.0/lto-wrapper-linux-musl/13.2.0/lto-wrapper-linux-musl/13.2.0/lto-wrapper-linux-musl/13.2.0/lto-wrapper-linux-musl/13.2.0/lto-wrapper-linux-musl/13.2.0/lto-wrapper-linux-musl/13.2.0/lto-wrapper-linux-musl/13.2.0/lto-wrapper-linux-musl/13.2.0/lto-wrapper-linux-musl/13.2.0/lto-wrapper-linux-musl/13.2.0/lto-wrapper-linux-musl/13.2.0/lto-wrapper-linux-musl/13.2.0/lto-wrapper-linux-musl/13.2.0/lto-wrapper-linux-musl/13.2.0/lto-wrapper-linux-musl/13.2.0/lto-wrapper-linux-musl/13.2.0/lto-wrapper-linux-musl/13.2.0/lto-wrapper-linux-musl/13.2.0/lto-wrapper-linux-musl/13.2.0/lto-wrapper-linux-musl/13.2.0/lto-wrapper-linux-musl/13.2.0/lto-wrappe
Target: x86_64-linux-musl
Configured with: ../gcc/configure --target=x86_64-linux-musl --disable-docs
                                                                               (Continued on next page)
```

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SPECrate®2017\_fp\_base = 4.37

SPECrate®2017\_fp\_peak **∜**ot Run

CPU2017 License: nnn (Your SPEC license number)

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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-gc/lli/md64-32 --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/kenchspec/CPDX538.inagick\_r/build/build\_base\_lfi-gcc-32-m64.0000' | 544.nab\_r(base pass Using built-in specs. COLLECT\_GCC=/opt/lfi-amd64-32/bin/internal-x96\_64-linux-musl-gcc COLLECT\_LTO\_WRAPPER=/opt/lfi-amd64-32xbinx../lfbexec/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-linux-musl --disable-shared --enable-languages=c,c++)fortran --enable-lto --prefix=/home/zyedidia/programming/lfi/toolchain/lfi-gcc/lfi-amd64-32 --with-pkgversion LTL 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-32-m64.0000' 519.lbm\_r(base pass ) specmake[1]: Entering directory xmnt/seconddrive/vode/seguecg-root/segue-lfi/spec2017/benchspec/CPU/519.lbm\_r/build/build\_base\_lfi-gcc-32-m64.0000' <del>/</del>\_\_\_\_\_\_ /838.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-32-m64.0000' \_\_\_\_\_\_ 544.nab\_r(base pass )

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SPECrate<sup>®</sup>2017\_fp\_base = **4**.37

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.hab_r/build/build_base_lfi-gcc-32-m64.0000'
     519.lbm_r(base pass 0)
Using built-in specs.
COLLECT_GCC=/opt/lfi-amd64-32/bin/internal x86_64 linux-musl-gcc
COLLECT_LTO_WRAPPER=/opt/lfi-amd6(4-3)2/bin/...\1\bexec/gccxx86_64-linux-mus1/13.2.0/lto-wrapper
Target: x86_64-linux-musl
Configured with: ../gcc/configure --target=x86_64-12nux-musl --disable-docs
  --disable-bootstrap --disable-libesp --disable-multilib --disable-shared
  --enable-languages=c,c++/fortran --enable-lto
  --prefix=/home/zyedidia/programming/lfi/tool/hain/lfi-gcc/lfi-amd64-32
  --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/seguecg rodt/segue-Ni/spec2017/benchspec/CPU/519.1bm_r/build/build_base_lfi-gcc-32-m64.0000'
       | 538.imagick_r(base pass 0)
Using built-in specs.
COLLECT_GCC=/opt/lfi-amd64 32/bin/internal-x86_64-linux-musl-gcc
COLLECT_LTO_WRAPRER=/opt/lfi-amd64-32/bin/../libexec/gcc/x86_64-linux-musl/13.2.0/lto-wrapper
Target: x86_64 lihux-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/zyedidia/programming/lfi/toolchain/lfi-gcc/lfi-amd64-32
  -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/seguecg-root/segue-lfi/spec2017/benchspec/CPU/538.imagick_r/build/build_base_lfi-gcc-32-m64.0000'
______
     544.nab_r(base pass 0)
Using built-in specs.
COLLECT_GCC=/opt/lfi-amd64-32/bin/internal-x86_64-linux-musl-gcc
```

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SPECrate $^{\circ}2017$ \_fp\_base  $\Rightarrow$  4.37

SPECrate®2017\_fp\_peak = Not Run

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Test Date: Jun-2024

Hardware Availability: Software Availability:

```
COLLECT_LTO_WRAPPER=/opt/lfi-amd64-32/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 --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/ffi-amd64-32
  --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/spec2017/benchspec/CPU/544.nab_r/build/build_base_lfi-gcc-32-m64.0000'
       519.1bm_r(base pass )
specmake[1]: Entering directory
 '/mnt/seconddrive/Code/seguecg-hot/segue lfi/spec 01/7/benchspec/CPU/519.1bm_r/build/build_base_lfi-gcc-32-m64.0000'
------
                                     .________
specmake[1]: Entering directory
 '/mnt/seconddrive/Code/segued
                         t/segue-lfi/spec2017/benchspec/CPU/538.imagick_r/build/build_base_lfi-gcc-32-m64.0000'
         544.nab_r(base pass )
             Entering directory
   /mnt/seconddrive/Code/seguecg-root/segue-lfi/spec2017/benchspec/CPU/544.nab_r/build/build_base_lfi-gcc-32-m64.0000
C
         519.1bm_r(base pass 0)
Using built-in specs.
COLLECT_GCC=/opt/lfi-amd64-32/bin/internal-x86_64-linux-musl-gcc
COLLECT_LTO_WRAPPER=/opt/lfi-amd64-32/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-amd64-32
  --with-pkgversion=LFI
                                     (Continued on next page)
```

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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/spec20/7%benchspec/CPU/519.1bm_r/bhj/ld/build_base_lfi-gcc-32-m64.0000'
_____
       538.imagick_r(base pass_0)
Using built-in specs.
COLLECT_GCC=/opt/lfi-amd64-32/bin/internal-x86_64-1/nux-musl-gcc
COLLECT_LTO_WRAPPER=/opt/lfi/amd64-32/pin/...\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-amd64-32
  --with-pkgversion=LFI
Thread model: posix
Supported LTO compression algorithms: zlib zstd
gcc version 13.2.0 (Z[I])
specmake[1]: Leaving directory
 '/mnt/seconddrive/Code/segueco
                        /root/segus-lf1/spec2017/benchspec/CPU/538.imagick_r/build/build_base_lfi-gcc-32-m64.0000
       544.nab_r(base pass 0)
Using built-in specs.
COLLECT_dcC=/optxlfl-2md64-32/bin/internal-x86_64-linux-musl-gcc
COLLECT_LTO_WRAPPER | pt/lfi-amd64-32/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-boptstrap --disable-libssp --disable-multilib --disable-shared
  --enable-larguages=c,c++,fortran --enable-lto
  --prefix=/home/zyedidia/programming/lfi/toolchain/lfi-gcc/lfi-amd64-32
  --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-32-m64.0000'
______
      | 519.1bm_r(base pass )
```

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Test Date: Jun-2024 Hardware Availability:

**4**.37

Software Availability:

```
specmake[1]: Entering directory
 '/mnt/seconddrive/Code/seguecg-root/segue-lfi/spec2017/benchspec/CPU/519.1bm/y/build_base_lfi-gcc-32-m64.0000'
       | 538.imagick_r(base pass )
specmake[1]: Entering directory
 '/mnt/seconddrive/Code/seguecg-root/segue (1fi) spec2017/benchspec/CPU/5
                                                          /magick_r/build/build_base_lfi-gcc-32-m64.0000'
       544.nab_r(base pags
specmake[1]: Entering directory
 '/mnt/seconddrive/Code/seguecg-root/segue-lfixspecx017/benchspec/CPU/544.nab_r/build/build_base_lfi-gcc-32-m64.0000'
| 519.1bm_r(base pass/0)
Using built-in specs.
COLLECT_GCC=/opt/lfi-and64-32/bin/internal-x86_64-linux-musl-gcc
COLLECT_LTO_WRAPFER=/opt Afi-amd64-32/bin/../libexec/gcc/x86_64-linux-mus1/13.2.0/lto-wrapper
Target: x86_64-linux-mus
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/xyedidia/programming/lfi/toolchain/lfi-gcc/lfi-amd64-32
  --with-pkgversion=LFI
Thread model: posix
Supported LTO compression algorithms: zlib zstd
gcc version 13.2.0 (LFI)
specmake[1]: Leaving directory
 '/mmt/seconddrige/Code/seguecg-root/segue-lfi/spec2017/benchspec/CPU/519.lbm_r/build/build_base_lfi-gcc-32-m64.0000'
      538.imagick_r(base pass 0)
Using built-in specs.
COLLECT_GCC=/opt/lfi-amd64-32/bin/internal-x86_64-linux-musl-gcc
COLLECT_LTO_WRAPPER=/opt/lfi-amd64-32/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)
```

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Test Date: Jun-2024

Hardware Availability: Software Availability:

```
Tested by:
                       Compiler Version Notes (Continued)
  --enable-languages=c,c++,fortran --enable-lto
  --prefix=/home/zyedidia/programming/lfi/toolchain/lfi/gcc/lfi-amd64-32
  --with-pkgversion=LFI
Thread model: posix
Supported LTO compression algorithms: z
                                            zstd
gcc version 13.2.0 (LFI)
specmake[1]: Leaving directory
 '/mmt/seconddrive/Code/seguecg-root/segue-lfi/spec2017/berchspec/QU/5%.imagick_r/build/build_base_lfi-gcc-32-m64.0000'
       | 544.nab_r(base pass 0)
Using built-in specs.
COLLECT_GCC=/opt/lfi-amd64-32/bin/internal-x86/64-linux-musl-gcc
COLLECT_LTO_WRAPPER=/opt/lfi-amd64-32/bin/../lbexec/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, q++, fortran --exable-lto
  --prefix=/home/zyedidia/programming/lfi/toolchain/lfi-gcc/lfi-amd64-32
  --with-pkgversion=LTI
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-32-m64.0000'
         19.1bm_r(base pass )
specmake[1]: Intering directory
 '/mm/seconddrlye/Cook/seguecg-root/segue-lfi/spec2017/benchspec/CPU/519.lbm_r/build/build_base_lfi-gcc-32-m64.0000'
-----
         53/8.imagick_r(base pass )
specmake[1]: Entering directory
```

-----C | 544.nab\_r(base pass )

specmake[1]: Entering directory

(Continued on next page)

'/mnt/seconddrive/Code/seguecg-root/segue-lfi/spec2017/benchspec/CPU/538.imagick\_r/build/build\_base\_lfi-gcc-32-m64.0000'

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My Corporation 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-32-m64.0000'
C++   508.namd_r(base pass 0)
Using built-in specs.  COLLECT_GCC=/opt/lfi-amd64-32/bin/internal x86_64-linux-musl-g++  COLLECT_LTO_WRAPPER=/opt/lfi-amd64-32/bin//ibexec/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-libsepdisable-multilibdisable-sharedenable-languages=c,c++ fortran /-enable-ltoprefix=/home/zyedidia/programming/lki/toolchain/lfi-gcc/lfi-amd64-32with-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/seguecgfroot/seguecf
C++   510.parest_r(base pass 0)  Using built-in specs.
COLLECT_GCC=/opt/lf1 amd64 32/bin/internal-x86_64-linux-musl-g++  COLLECT_LTO_wrapper=/opt/lf1 amd64-32/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-amd64-32 with-pkgversion=LFI Thread model: posix
Supported LTO compression algorithms: zlib zstd gcc version 13.2.0 (LFI) specmake 11: Leaving directory
'/mnt/secondarive/Code/seguecg-root/segue-lfi/spec2017/benchspec/CPU/510.parest_r/build/build_base_lfi-gcc-32-m64.0000'
C++   508.namd_r(base pass )
<pre>specmake[1]: Entering directory   '/mnt/seconddrive/Code/seguecg-root/segue-lfi/spec2017/benchspec/CPU/508.namd_r/build/build_base_lfi-gcc-32-m64.0000'</pre>

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Page 17

SPECrate<sup>®</sup>2017\_fp\_base =

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Test Date: Jun-2024 Hardware Availability: Software Availability:

**4**.37

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#### Compiler Version Notes (Continued)

```
______
    510.parest_r(base pass )
______
specmake[1]: Entering directory
 '/mnt/seconddrive/Code/seguecg-root/segue-lfi/spec2017/bendqspec/CPU/510.parest_r/build/build_base_lfi-gcc-32-m64.0000'
      | 511.povray_r(base)
specmake[1]: Entering directory
 '/mnt/seconddrive/Code/seguecg-root/segue-lfi/arec2017%enchspec/CPU/511.povray_r/build/build_base_lfi-gcc-32-m64.0000'
C++ 508.namd_r(base pass 0)
Using built-in specs.
COLLECT_GCC=/opt/lfi-amd64-32/Din/internal-x86_64-linux-musl-g++
COLLECT_LTO_WRAPPER=/opt/lfi)and64-32/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-amd64-32
  --with-pkgversion=LFI
Thread model: posix
Supported LTQ compression algorithms: zlib zstd
gcc version 13 2.0 (LFI)
specmake[1]: Leaving directory
 '/mnt reconddive/Code reguecg-root/segue-lfi/spec2017/benchspec/CPU/508.namd_r/build/build_base_lfi-gcc-32-m64.0000'
510.parest r(base pass 0)
Using bullt-in specs.
COLLECT_dC=/opt/lfi-amd64-32/bin/internal-x86_64-linux-musl-g++
COLLECT_LTO_WRAPPER=/opt/lfi-amd64-32/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-amd64-32
  --with-pkgversion=LFI
Thread model: posix
                                  (Continued on next page)
```

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SPECrate<sup>®</sup>2017\_fp\_base =

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

Test Date: Jun-2024 Hardware Availability:

Software Availability:

..37

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'/mnt/seconddrive/Code/seguecg-root/segue-lfi/spec2017/benchspec/CPU/508.namd_r/build/build_base_lfi-gcc-32-m64.0000'
specmake[1]: Leaving directory
gcc version 13.2.0 (LFI)
Thread model: posix Supported LTO compression algorithms: zlib zstd
with pkgversion=LFI
enable-languages=c,c++,fortranenable-lto prefax=/home/zyedidia/programming/lfi/toolchain/lfi-gcc/lfi-amd64-32
disable-bootstrapdisable-libsspdisable-multilibdisable-shared
Configured with /gcc/configuretarget=x86_64-linux-musldisable-docs
Target: x86_64-11/nux-musl
COLLECT_GCC=/opt/lfi-amd64-32/bin/internal-x86_64-linux-musl-g++ COLLECT_LTO_WRAPPER=/opt/lfi-amd64-32/bin//libexec/gcc/x86_64-linux-musl/13.2.0/lto-wrapper
Using burt-in specs
C++   608 namd_r(base pass 0)
4
'/mnt/seconddrive/Coda/seguecgraoot/segue-lfi/spec2017/benchspec/CPU/511.povray_r/build/build_base_lfi-gcc-32-m64.0000'
specmake[1]: Entering Wirectory
C++   511.povray (base)
'/mnt/seconddrive/Code/seguecg-root/segue-lfi/spec2017/penchspec/CPU/510.parest_r/build/build_base_lfi-gcc-32-m64.0000'
specmake[1]: Entering directory
C++   510.parest_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-32-m64.0000'
C++   508.namd_r(base pass )
'/mnt/seconddrive/Code/seguecg-root/segue-lfi/spec2017/beachspec/CPU/510.parest_r%build/build_base_lfi-gcc-32-m64.0000'
gcc version 13.2.0 (LFI) specmake[1]: Leaving directory
Supported LTO compression algorithms: zlib zstd

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SPECrate®2017\_fp\_peak Not Run

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Test Date: Jun-2024 Hardware Availability:

Software Availability:

C++   510.parest_r(base pass 0)
Using built-in specs.  COLLECT_GCC=/opt/lfi-amd64-32/bin/internal x86_64-linux-musl-g+  COLLECT_LTO_WRAPPER=/opt/lfi-amd64-32/bin/
C++   508.namd_r(base pass)
specmake[1]: Entering directory  '/mnt/seconddrive/Code/segueg-root/segue-lf/spec2017/benchspec/CPU/508.namd_r/build/build_base_lfi-gcc-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-32-m64.0000'
======================================
spechake[1]: Entering directory  '/mnt/seconddrive/Code/seguecg-root/segue-lfi/spec2017/benchspec/CPU/511.povray_r/build/build_base_lfi-gcc-32-m64.0000'
C++   508.namd_r(base pass 0)
Using built-in specs.  COLLECT_GCC=/opt/lfi-amd64-32/bin/internal-x86_64-linux-musl-g++  COLLECT_LTO_WRAPPER=/opt/lfi-amd64-32/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
(Continued on next page)

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SPECrate®2017\_fp\_base = 4.37

SPECrate®2017\_fp\_peak **∜**ot Run

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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-gc/lli/md64-32 --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/CNJ/508.hamd\_r/build/build\_base\_lfi-gcc-32-m64.0000' | 510.parest\_r(base pass 0) Using built-in specs. COLLECT\_GCC=/opt/lfi-amd64-32/bin/internal-x96\_64-linux-musl-g++ COLLECT\_LTO\_WRAPPER=/opt/lfi-amd64-32\bin\../l\bexec/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-linux-musl --disable-multilib --disable-shared --enable-languages=c,c++)fortran --enable-lto --prefix=/home/zyedidia/programming/lfi/toolchain/lfi-gcc/lfi-amd64-32 --with-pkgversion LTL Thread model: posix Supported LTO compression algorithms: zlib zstd gcc version 13.2.0 (LFI) specmake[1]: Leaving directory '/mnt/seconddriva/Code/seguecg-root/segue-lfi/spec2017/benchspec/CPU/510.parest\_r/build/build\_base\_lfi-gcc-32-m64.0000'  $508.namd_r(base pass)$ specmake[1]: Entering directory /wmmt/seconddrive/gode/seguecg-root/segue-lfi/spec2017/benchspec/CPU/508.namd\_r/build/build\_base\_lfi-gcc-32-m64.0000 10.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-32-m64.0000' \_\_\_\_\_\_

(Continued on next page)

511.povray\_r(base)

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SPECrate<sup>®</sup>2017\_fp\_base = 4.37

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)

<pre>specmake[1]: Entering directory     '/mnt/seconddrive/Code/seguecg-root/segue-lfi/spec2017/benchspec/CPU/511.powray_rXbuild/build_base_lfi-gcc-32-m64.0000'</pre>
C++   508.namd_r(base pass 0)
Using built-in specs.  COLLECT_GCC=/opt/lfi-amd64-32/bin/internal x86_64-linux-musl-g++  COLLECT_LTO_WRAPPER=/opt/lfi-amd64-32/bin//libexec/gctxx86_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-sharedenable-languages=c,c++/fortranenable-ltoprefix=/home/zyedidia/programming/lfi/toolchain/lfi-gcc/lfi-amd64-32with-pkgversion=LFI  Thread model: posix  Supported LTO compression algorithms: zlib zstd gcc version 13.2.0 (LFI)  specmake[1]: Leaving director     '/mnt/seconddrive/Code/seguecg-root/segue-lii/spec2017/benchspec/CPU/508.namd_r/build/build_base_lfi-gcc-32-m64.0000'
C++   510.parest_r(base pass 0)
Using built-in specs. COLLECT_GCC=/opt/lfi-amd64 32/bin/internal-x86_64-linux-musl-g++ COLLECT_LTO_wRAPPER=/opt/lfi-amd64-32/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-sharedenable-languages=c,c++,fortranenable-ltoprefix=/home/zyedidia/programming/lfi/toolchain/lfi-gcc/lfi-amd64-32with-pkgversion=LFI Thread model: posix Supported LTC compression algorithms: zlib zstd gcc version 13.2.0 (LFI) specmake[X]: Leaving directory '/mnt/seconddrive/Code/seguecg-root/segue-lfi/spec2017/benchspec/CPU/510.parest_r/build/build_base_lfi-gcc-32-m64.0000'
specmake[1]: Entering directory  '/mnt/seconddrive/Code/seguecg-root/segue-lfi/spec2017/benchspec/CPU/508.namd_r/build/build_base_lfi-gcc-32-m64.0000'

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SPECrate $^{\circ}2017$ \_fp\_base  $\Rightarrow$  4.37

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:

```
510.parest_r(base pass )
specmake[1]: Entering directory
 '/mnt/seconddrive/Code/seguecg-root/segue-lfi/spec2017/berchenec/CNU/510.parest_r/build/build_base_lfi-gcc-32-m64.0000'
511.povray_r(base)
specmake[1]: Entering directory
 '/mnt/seconddrive/Code/seguecg-rod/seque-lfi/spec20lV/benchspec/CPU/511.povray_r/build/build_base_lfi-gcc-32-m64.0000'
C++, C | 511.povray_r(base
Using built-in specs.
COLLECT_GCC=/opt/lfi-amd64 32/bin(internal-x86_64-linux-musl-g++
COLLECT_LTO_WRAPPER=/prt/lfi-and64-3//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/zyedidia/programming/lfi/toolchain/lfi-gcc/lfi-amd64-32
  --with-pkgversion=LFI
Thread model: posix
Supported LTO compression algorithms: zlib zstd
gcc version 13.2.0 (H))
Using built in specs.
COLLECT_GCC=/opt/121-amd64-32/bin/internal-x86_64-linux-musl-gcc
COLLECT_LTO_WRAPPER=/opt/lfi-amd64-32/bin/../libexec/gcc/x86_64-linux-musl/13.2.0/lto-wrapper
Taxget x86_64-1/inux-musl
Configured with: ../gcc/configure --target=x86_64-linux-musl --disable-docs
  --disable-multilib --disable-shared
  --enable-languages=c,c++,fortran --enable-lto
  --pref;/x=/home/zyedidia/programming/lfi/toolchain/lfi-gcc/lfi-amd64-32
  --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/511.povray_r/build/build_base_lfi-gcc-32-m64.0000'
```

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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-amd64-32/bin/x86\_64-linux-musl-"(in CXX)
"/opt/lfi-amd64-32/bin/x86 64-linux-musl-"(in LD)

"-fomit-frame-pointer"(in OPTIMIZE)

510.parest\_r: "/opt/lfi-amd64-32/bin/x86\_64-linux-mus1-" (in CXX)

"/opt/lfi-amd64-32/bin/x86\_64-linux-musl-"(in Lo)

"-fomit-frame-pointer"(in OPTIMIZE)

511.povray\_r: "/opt/lfi-amd64-32/bin/x86\_64-linux-musl-"(in CXX)

"/opt/lfi-amd64-32/bin/x86\_64-linux-musl-"(n cs)

"/opt/lfi-amd64-32/bin/x86\_64-linux-mysl-"(inLD)

"-fomit-frame-pointer"(in OPTIMIZE)

519.lbm\_r: "/opt/lfi-amd64-32/bin/x86\_64-linux-musl/" (in CC)

"/opt/lfi-amd64-32/bin/x86\_64-linux-musl-"(inLD/

"-fomit-frame-pointer"(in OPTIMIZE)

538.imagick\_r: "/opt/lfi-amd64-22/bin(x86\_64-12/nux-musl-"(in cc)

"/opt/lfi-amd64-32/bin/x8 $\frac{1}{6}$ (64- $\frac{1}{1}$ inux-mus)/" (in LD)

"-fomit-frame-pointer"(in dPTYM//ZE)

544.nab\_r: "/opt/lfi-amd64 32/bin/x86 64-linux-musl-" (in CC)

"/opt/lfi-amd64-32/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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Test Date: Jun-2024

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 -fltc

### **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 07:58:22-0500.

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