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# Laptop Rubens

**Test Sponsor:** 

**Tested by:** 

SPECspeed®2017\_int\_base =

SPECspeed®2017\_int\_peak >7 Not Run

CPU2017 License: nnn (Your SPEC license number)

Laptop Rubens
Laptop Rubens

Test Date: May-2023

1.96

Hardware Availability: Software Availability:

### Results Table

	Base						Peak							
Benchmark	Threads	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Threads	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
600.perlbench_s	16	556	3.20	<u>776</u>	2.29	791	2.24			1				
602.gcc_s	16	772	5.16	1110	3.59	962	<u>4.14</u>							
605.mcf_s	16	1226	3.85	1533	3.08	1499	<u>3.15</u>		)/					
620.omnetpp_s	16	772	2.11	3019	0.540	920	<u>1.77</u>		<b>~</b>					
623.xalancbmk_s	16	<u>1481</u>	<u>0.957</u>	2091	0.678	118	1.97							
625.x264_s	16	2196	0.803	<u>1761</u>	<u>1.00</u>	(573	3.08	\\ \frac{1}{2}						
631.deepsjeng_s	16	1624	0.883	1548	<u>0.926</u>	617	2.32	/ /						
641.leela_s	16	<u>956</u>	<u>1.78</u>	2137	0,798	655	2.61	//\						
648.exchange2_s	16	823	3.57	<u>586</u>	5.02	495	5.94							
657.xz_s							$\overline{}$							

SPECspeed<sup>®</sup>2017\_int\_base = 1.96

SPECspeed\*2017\_int\_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 runou before the start of the run: LD\_LIBRARY\_PATH = "/usr/lib64/ /usr/lib/: \lib64"

### **Platform Notes**

Sysinfo program /usr/local/spec\_cpu2017/bin/sysinfo Rev: r6732 of 2022-11-07 fe91c8917ed5c36ae2c92cc097bec197 running on MotebookRubens Fri May 19 06:10:07 2023

SUT (System Under Test) info as seen by some common utilities.

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# Laptop Rubens

**Test Sponsor:** 

**Tested by:** 

SPECspeed®2017\_int\_base

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Laptop Rubens Laptop Rubens Test Date: May-2023

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Hardware Availability: Software Availability:

```
Platform Notes (Continued)
19. dmidecode
1. uname -a
 Linux NotebookRubens 5.15.90.1-microsoft-standard-WSD2 #1 SMP Fri Jan 27 02/56:13 UTC 2023 x86_64 x86_64
 x86_64 GNU/Linux
  06:10:07 up 3 days, 19:03, 2 users, load average: 0.41,
                                                            0.20, 0.12
  USER TTY
                 FROM
                                    LØGIN@
                                                     JCPU PCPU WHAT
                                             IDLE
                                                    0.27s 0.11s bash
          pts/1
                                    Mon11
                                             3days
  rubens
         pts/2
  rubens
                                    Mon11
                                             6.00s
                                                     3.10s
                                                           5.41s sudo -i
3. Username
  From environment variable $USER:
                                    oot
 From the command 'logname':
                                    rubens
-----
4. ulimit -a
 time(seconds)
                      unlimite
                      unlimited
 file(blocks)
                      unlimited
  data(kbytes)
 stack(kbytes)
                      8192
 coredump(blocks)
                      0
                      unlimited
 memory(kbytes)
 locked memory(kbytes) 1013600
                       31649
 process
 nofiles
                      1024
                       unlimit
  vmemory(kbytes)
 locks
                      unlimit
 rtprio
5. sysinfo process
                  ancestry
 /sbin/iai
 /init
 /init/
 /init
 -bash
 sudo -i
 obue
 -bash
        --configerubens-try1 --noreportable --iterations=3 600.perlbench_s 602.gcc_s 605.mcf_s 620.omnetpp_s
  623.xalancbuk_s 625.x264_s 631.deepsjeng_s 641.leela_s 648.exchange2_s 998.specrand_is
 runcpu - configfile rubens-try1 --noreportable --iterations 3 --noreportable --nopower --runmode speed
   --tune b se --size refspeed 600.perlbench_s 602.gcc_s 605.mcf_s 620.omnetpp_s 623.xalancbmk_s 625.x264_s
  631.deepsjeng_s 641.leela_s 648.exchange2_s 998.specrand_is --nopreenv --note-preenv --logfile
  $$PEC/tmp/CPU2017.060/templogs/preenv.intspeed.060.0.log --lognum 060.0 --from_runcpu 2
 specperl $SPEC/bin/sysinfo
$SPEC = /usr/local/spec_cpu2017
6. /proc/cpuinfo
                   : Intel(R) Core(TM) i7-2620M CPU @ 2.70GHz
   model name
                   : GenuineIntel
   vendor_id
   cpu family
                   : 6
   model
                                             (Continued on next page)
```

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## Laptop Rubens

SPECspeed®2017\_int\_base

SPECspeed®2017 int

Mot Run

1.96

```
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```

**Test Sponsor:** Laptop Rubens Tested by: Laptop Rubens Test Date: May-2023

Hardware Availability: Software Availability:

```
Platform Notes (Continued)
    stepping
                    : 7
    microcode
                    : 0xffffffff
                    : cpu_meltdown spectre_v1 spectre_v2 spec_store_bypass Atf mds swapgs itlb_multihit
    buas
                      mmio_unknown
    cpu cores
    siblings
    1 physical ids (chips)
    4 processors (hardware threads)
    physical id 0: core ids 0-1
    physical id 0: apicids 0-3
                                                       and threads is not necessarily reliable, especially for
  Caution: /proc/cpuinfo data regarding chips, cores
  virtualized systems. Use the above para carefully
From lscpu from util-linux 2.37
                                    ×86_64
 Architecture:
  CPU op-mode(s):
                                    32-bit, 64-bit
  Address sizes:
                                    36 bits physical,
                                                         bits virtual
 Byte Order:
                                   Little Endian
  CPU(s):
 On-line CPU(s) list:
                                    SenulneIntel
 Vendor ID:
                                    ntel(R) Cort (TM) i7-2620M CPU @ 2.70GHz
 Model name:
 CPU family:
 Model:
 Thread(s) per core:
  Core(s) per socket:
  Socket(s):
  Stepping:
  BogoMIPS:
                                    fpu vme de pse tsc msr pae mce cx8 apic sep mtrr pge mca cmov pat pse36
 Flags:
                                    clflush mmx fxsr sse sse2 ht syscall nx rdtscp lm constant_tsc
                                    arch_perfmon rep_good nopl xtopology cpuid pni pclmulqdq ssse3 cx16 pdcm
                                    pcid sse4_1 sse4_2 popcnt aes xsave avx hypervisor lahf_lm pti ssbd ibrs
                                    ibpb stibp xsaveopt flush_lld arch_capabilities
 Hypervisor vendor:
Virtualization type:
                                   Microsoft
                                    full
  Lld dache:
                                    64 KiB (2 instances)
  Lli cache:
                                    64 KiB (2 instances)
  12 cache:
                                   512 KiB (2 instances)
                                    4 MiB (1 instance)
  L3 cache:
                tlo multihit:
  Vulnerability
                                   KVM: Mitigation: VMX unsupported
  Valnerability Litf:
                                   Mitigation; PTE Inversion
  Vulnerability Mds:
                                   Vulnerable: Clear CPU buffers attempted, no microcode; SMT Host state
                                   unknown
  Vulnerability Meltdown:
                                   Mitigation; PTI
  Vulnerability Mmio stale data:
                                   Unknown: No mitigations
  Vulnerability Retbleed:
                                   Not affected
```

Vulnerability Spec store bypass: Mitigation; Speculative Store Bypass disabled via prctl and seccomp Mitigation; usercopy/swapgs barriers and \_\_user pointer sanitization Mitigation; Retpolines, IBPB conditional, IBRS\_FW, STIBP conditional, RSB Vulnerability Spectre v1: Vulnerability Spectre v2: filling, PBRSB-eIBRS Not affected

Not affected

Vulnerability Srbds: Vulnerability Tsx async abort: Not affected

From lscpu --cache:

NAME ONE-SIZE ALL-SIZE WAYS TYPE LEVEL SETS PHY-LINE COHERENCY-SIZE 64K 8 Data

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SPECspeed®2017\_int Mot Run CPU2017 License: nnn (Your SPEC license number) Test Date: May-2023 **Test Sponsor:** Laptop Rubens Hardware Availability: **Tested by:** Laptop Rubens Software Availability: Platform Notes (Continued) 8 Instruction 1 64 T.1 i 32K 64K 64 8 Unified L2 256K 512K 16 Unified 3 4096 L3 4M 1 64 8. numactl warning Unable to get information from 'numactl --hardware'. Nease consider installing numactl. 9. /proc/meminfo 8108808 kB MemTotal: 10. who -r run-level 5 May 15 11:07 11. Systemd service manager version: systemd 249 (249.11-Jubuntu3.9) Default Target Status graphical running 12. Services, from systematl list-unit-Niles STATE UNIT FILES apparmor console setup cron dmesg e2scrub\_reap getty@ irqbalance keyboard-setup enabled networld-dispatcher rsyalog setvtrgb snapd systemd-pstore systemd-resolved systemd-timesyncd ua-reboot-cmds ubuntu-advantage ufw unattended-upgrades enabled-runtime consola-getty netplan-vs-cleanup systemd-remount-fs disabled debug-shell nftables sync serial-getty@ systemd-boot-check-no-failures 💅 stemd-hetwork-generator systemd-networkd systemd-networkd-wait-online systemd-sysext systemd-time-wait-sync generated apport indirect uuidd masked cryptdisks cryptdisks-early hwclock rc rcS screen-cleanup sudo systemd-binfmt x11-common 13. Linux ternel boot time arguments, from /proc/cmdline initral initral.ims WSL\_MOOT\_INIT=1 panic=-1 hr\_cpus=4 bonding.max\_bonds= dummy numdummias fo tunnels=none swidtlb=force console=hvc0 debug pty.legacy\_count=0 14. sysctl kernel.randomize\_va\_space 20 vm.compaction proactiveness vm.dirty\_background\_bytes Ω vm.dirty\_background\_ratio 10 vm.dirty\_bytes 0 vm.dirty\_expire\_centisecs 3000

(Continued on next page)

20

vm.dirty\_ratio

vm.dirty\_writeback\_centisecs

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## Laptop Rubens

SPECspeed®2017\_int\_base

SPECspeed®2017 int

Mot Run

1.96

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Hardware Availability: Software Availability:

#### Platform Notes (Continued)

vm.dirtytime_expire_seconds	43200
vm.extfrag_threshold	500
vm.nr_hugepages	0
vm.nr_overcommit_hugepages	0
vm.swappiness	60
vm.watermark_boost_factor	15000
vm.watermark_scale_factor	10

15. /sys/kernel/mm/transparent\_hugepage

defrag always defer defer+madvise [madvise] never

enabled [always] madvise never

hpage\_pmd\_size 2097152

shmem\_enabled always within\_size advise [never] deny

16. /sys/kernel/mm/transparent\_hugepage/khugepaged

alloc_sleep_millisecs	60000
defrag	1
max_ptes_none	511
max_ptes_shared	256
max_ptes_swap	64
pages_to_scan	4096
scan_sleep_millisecs	10000
	/(

17. OS release

From /etc/\*-release /etc/\*-version os-release Ubuntu 22.04.2 LTS

18. Disk information

SPEC is set to: usr/local/spac cpu2017
Filesystem Type Size Used Avail Use% Mounted on Type /dev/sdc ext4 1007G 390 917G

,19. dmidecode Additional information from dmidecode 3.3 follows. WARNING: Use caution when you interpret this section. The denide ode' program reads system data which is "intended to allow hardware to be accurately determined", but the intent may not be met, as there are frequent changes to hardware, firmware, and the DMTF SMBIOS" standard.

(could not find information) BXOS:

#### **Compiler Version Notes**

| 600.perlbench\_s(base) 602.gcc\_s(base) 605.mcf\_s(base) 625.x264\_s(base)

Using built-in specs. COLLECT\_GCC=/usr/bin/gcc

COLLECT\_LTO\_WRAPPER=/usr/lib/gcc/x86\_64-linux-gnu/11/lto-wrapper

OFFLOAD\_TARGET\_NAMES=nvptx-none:amdgcn-amdhsa

OFFLOAD\_TARGET\_DEFAULT=1

Target: x86\_64-linux-gnu

Configured with: ../src/configure -v --with-pkgversion='Ubuntu 11.3.0-lubuntu1~22.04'

--with-bugurl=file:///usr/share/doc/gcc-11/README.Bugs

--enable-languages=c,ada,c++,go,brig,d,fortran,objc,obj-c++,m2 --prefix=/usr

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Test Date: May-2023

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Hardware Availability: Software Availability:

### Compiler Version Notes (Continued)

```
--with-gcc-major-version-only --program-suffix=-11 --program-prefix=x86 64-linux-gnu- --enable-shared
    --enable-linker-build-id --libexecdir=/usr/lib --without-included-gattex --enable-threads=posix
    --libdir=/usr/lib --enable-nls --enable-bootstrap --enable-clocale=gnb --enable-libstdcxx-debug
    --enable-libstdcxx-time=yes --with-default-libstdcxx-abi=new --enable-ghu-unique-object
    --disable-vtable-verify --enable-plugin --enable-default-pie --with-system zljb
   --enable-libphobos-checking=release --with-targe-system-zlib=auto --enable-bjc-gc=auto --enable-multiarch --disable-werror --enable-cet --with-arch-32=i686 --witt-abi=m64
    --with-multilib-list=m32,m64,mx32 --enable-multilib --with tune=generic
  --enable-offload-targets=nvptx-none=/build/gcc-11-xKiWfi/gcc-11-11.3.0/debiaz/rmp-nvptx/usx_amdgcn-amdhsa=/build/gcc-11-xKiWfi/gcc-11-11.3.0/debiaz/rmp-nvptx/usx_amdgcn-amdhsa=/build/gcc-11-xKiWfi/gcc-11-11.3.0/debiaz/rmp-nvptx/usx_amdgcn-amdhsa=/build/gcc-11-xKiWfi/gcc-11-11.3.0/debiaz/rmp-nvptx/usx_amdgcn-amdhsa=/build/gcc-11-xKiWfi/gcc-11-11.3.0/debiaz/rmp-nvptx/usx_amdgcn-amdhsa=/build/gcc-11-xKiWfi/gcc-11-11.3.0/debiaz/rmp-nvptx/usx_amdgcn-amdhsa=/build/gcc-11-xKiWfi/gcc-11-11.3.0/debiaz/rmp-nvptx/usx_amdgcn-amdhsa=/build/gcc-11-xKiWfi/gcc-11-11.3.0/debiaz/rmp-nvptx/usx_amdgcn-amdhsa=/build/gcc-11-xKiWfi/gcc-11-11.3.0/debiaz/rmp-nvptx/usx_amdgcn-amdhsa=/build/gcc-11-xKiWfi/gcc-11-11.3.0/debiaz/rmp-nvptx/usx_amdgcn-amdhsa=/build/gcc-11-xKiWfi/gcc-11-11.3.0/debiaz/rmp-nvptx/usx_amdgcn-amdhsa=/build/gcc-11-xKiWfi/gcc-11-11.3.0/debiaz/rmp-nvptx/usx_amdgcn-amdhsa=/build/gcc-11-xKiWfi/gcc-11-11.3.0/debiaz/rmp-nvptx/usx_amdgcn-amdhsa=/build/gcc-11-xKiWfi/gcc-11-11.3.0/debiaz/rmp-nvptx/usx_amdgcn-amdhsa=/build/gcc-11-xKiWfi/gcc-11-11.3.0/debiaz/rmp-nvptx/usx_amdgcn-amdhsa=/build/gcc-11-xKiWfi/gcc-11-11.3.0/debiaz/rmp-nvptx/usx_amdgcn-amdhsa=/build/gcc-11-xKiWfi/gcc-11-11.3.0/debiaz/rmp-nvptx/usx_amdgcn-amdhsa=/build/gcc-11-xKiWfi/gcc-11-11.3.0/debiaz/rmp-nvptx/usx_amdgcn-amdhsa=/build/gcc-11-xKiWfi/gcc-11-11.3.0/debiaz/rmp-nvptx/usx_amdgcn-amdhsa=/build/gcc-11-xKiWfi/gcc-11-11.3.0/debiaz/rmp-nvptx/usx_amdgcn-amdhsa=/build/gcc-11-xKiWfi/gcc-11-11.3.0/debiaz/rmp-nvptx/usx_amdgcn-amdhsa=/build/gcc-11-xKiWfi/gcc-11-xKiWfi/gcc-11-xKiWfi/gcc-11-xKiWfi/gcc-11-xKiWfi/gcc-11-xKiWfi/gcc-11-xKiWfi/gcc-11-xKiWfi/gcc-11-xKiWfi/gcc-11-xKiWfi/gcc-11-xKiWfi/gcc-11-xKiWfi/gcc-11-xKiWfi/gcc-11-xKiWfi/gcc-11-xKiWfi/gcc-11-xKiWfi/gcc-11-xKiWfi/gcc-11-xKiWfi/gcc-11-xKiWfi/gcc-11-xKiWfi/gcc-11-xKiWfi/gcc-11-xKiWfi/gcc-11-xKiWfi/gcc-11-xKiWfi/gcc-11-xKiWfi/gcc-11-xKiWfi/gcc-11-xKiWfi/gcc-11-xKiWfi/gcc-11-xKiWfi/gcc-11-xKiWfi/gcc-11-xKiWfi/gcc-11-xKiWfi/gcc-11-xKiWfi/gcc-11-xKiWfi/gcc-11-xKiWfi/gcc-11-xKiWfi/gcc-11-xKiWfi/gcc-11-xKiWfi/g
                                                                                                         mp-nvptx/usx_amdgcn-amdhsa=/build/gcc-11-xKiWfi/gcc-11-11.3.0/debian/tmp-gcn/usr
Thread model: posix
Supported LTO compression algorithms: zlib zstd
gcc version 11.3.0 (Ubuntu 11.3.0-lubuntu1~22.04)
              | 620.omnetpp_s(base) 629.xalancbuk_s(base) 631.deepsjeng_s(base) 641.leela_s(base)
Using built-in specs.
COLLECT_GCC=/usr/bin/g++
COLLECT_LTO_WRAPPER=/usr/lib/gcc/x86_64-linux gnu/11/
OFFLOAD_TARGET_NAMES=nvptx-none:amdgcn_amdhsa
OFFLOAD_TARGET_DEFAULT=1
Target: x86_64-linux-gnu
Configured with: ../src/configure -v/--with-pkg/ersion='Ubuntu 11.3.0-lubuntu1-
--with-bugurl=file://usr/share/dod/gcc-l/RPADME.Bugs
--enable-languages=c,ada,c++,go,brig,d,fortran,objc,obj-c++,m2 --prefix=/usr
                                                                       --with-pkgversion='Ubuntu 11.3.0-lubuntu1~22.04'
   --with-gcc-major-version only --program-suffix=-11 --program-prefix=x86_64-linux-gnu- --enable-shared --enable-linker-build-id -libexecdir=/wsr/lib --without-included-gettext --enable-threads=posix --libdir=/usr/lib | enable rds --enable-bootstrap --enable-clocale=gnu --enable-libstdcxx-debug
    --enable-libstdcxx-time=yes -with-default-libstdcxx-abi=new --enable-gnu-unique-object --disable-vtable-verify --enable-plugin --enable-default-pie --with-system-zlib
    --enable-libphobos-checking=release --with-target-system-zlib=auto --enable-objc-gc=auto
    --enable-multiarch --disable-werror --enable-cet --with-arch-32=i686 --with-abi=m64
    --with-multilib-list=m32,m64,mx32 --enable-multilib --with-tune=generic
   --enable-offlood cargets=nvptx-none=/build/gcc-11-xKiWfi/gcc-11-11.3.0/debian/tmp-nvptx/usr,amdgcn-amdhsa=/build/gcc-11-xKiWfi/gcc-11-11.3.0/debian/tmp-gcn/usr
   --without cuda-driver --enable-checking=release --build=x86_64-linux-gnu --host=x86_64-linux-gnu --target=x86_64-linux-gnu--with-build-config=bootstrap-lto-lean --enable-link-serialization=2
Thread model: posix
Supported LTO compression algorithms: zlib zstd
gcc version 11.3.0 (Ubuntu 11.3.0-lubuntu1~22.04)
Fortran | 648.exchange2_s(base)
Using built-in specs.
COLLECT_GCC usr/bin/gfortran
COLLECT_LT6 WRAPPER=/usr/lib/gcc/x86_64-linux-gnu/11/lto-wrapper
OFFLOAD_TARGET_NAMES=nvptx-none:amdgcn-amdhsa
OFFLOAD_TARGET_DEFAULT=1
Target: x86_64-linux-gnu
Configured with: ../src/configure -v --with-pkgversion='Ubuntu 11.3.0-lubuntul~22.04'
    --with-bugurl=file:///usr/share/doc/gcc-11/README.Bugs
    --enable-languages=c,ada,c++,go,brig,d,fortran,objc,obj-c++,m2 --prefix=/usr
    --with-gcc-major-version-only --program-suffix=-11 --program-prefix=x86_64-linux-gnu- --enable-shared
    --enable-linker-build-id --libexecdir=/usr/lib --without-included-gettext --enable-threads=posix
    --libdir=/usr/lib --enable-nls --enable-bootstrap --enable-clocale=gnu --enable-libstdcxx-debug
    --enable-libstdcxx-time=yes --with-default-libstdcxx-abi=new --enable-gnu-unique-object
```

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## Laptop Rubens

SPECspeed®2017\_int\_base

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**Not Run** 

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CPU2017 License: nnn (Your SPEC license number)

**Test Sponsor:** Laptop Rubens Tested by: Laptop Rubens Test Date: May-2023

Hardware Availability: Software Availability:

### Compiler Version Notes (Continued)

- --disable-vtable-verify --enable-plugin --enable-default-pie --with-system-zlib
- -enable-objc-gc=auto
- --enable-libphobos-checking=release --with-target-system-zlib=auto --enable-multiarch --disable-werror --enable-cet --with-arch-32=i686 -with-abi=m64
- --with-multilib-list=m32,m64,mx32 --enable-multilib --with-tune=generic
- --enable-offload-targets=nvptx-none=/build/gcc-11-xKiWfi/gcc-11-11.3.0/debian/tmp-nvptx/usr,amdgcn-amdhsa=/build/gcc-11-xKiWfi/gcc-11-11.3.0/debian/tmp-gcn/usr
- --without-cuda-driver --enable-checking=release --build=x86\_64-linux-gnu --host=x86\_64-linux-gnu --target=x86\_64-linux-gnu --with-build-config=bootstrap-to-lean --enable-nnk-serialization=2

Thread model: posix

Supported LTO compression algorithms: zlib zstd gcc version 11.3.0 (Ubuntu 11.3.0-lubuntu1~22.04)

## **Base Compiler Invocation**

C benchmarks (except as noted below). qcc

C++ benchmarks:

q++

Fortran benchmarks:

gfortran

### **Base Portability Flags**

600.perlbench\_s: -DSPEC LINUX X64 -DSPEC\_LP64

602.gcc\_s: -DSPEC\_LP64 605.mcf\_s: -DSPEC\_LP64 620.omnetpp s: -DSPEC LP64

623.xalancbnk\_s: -DSPEC\_LONUX -DSPEC\_LP64

625.x264\_s: -DSPEC LP64/ 631.deepsjeng s: -DSPEC/LP64 641.leela\_s: -DSREC\_L264 648.exchange2\_s: -DSPEC LP64

### **Base Optimization Flags**

#### C benchmarks:

600.perlbench\_s: -m64 -std=c99 -g -O3 -march=native

- -fno-unsafe-math-optimizations -fno-tree-loop-vectorize
- -fopenmp -DSPEC OPENMP -fno-strict-aliasing
- -fgnu89-inline

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# Laptop Rubens

SPECspeed®2017\_int\_base =

**1**.96

SPECspeed®2017\_int\_peak Not Run

CPU2017 License: nnn (Your SPEC license number)

**Test Sponsor:** Laptop Rubens **Tested by:** Laptop Rubens

Test Date: May-2023

Hardware Availability: Software Availability:

## Base Optimization Flags (Continued)

602.gcc\_s: Same as 600.perlbench\_s

605.mcf\_s: Same as 600.perlbench\_s

625.x264\_s: Same as 600.perlbench\_s

#### C++ benchmarks:

-m64 -std=c++03 -g -03 -march=native -fno-unsafe-math=optimizations

-fno-tree-loop-vectorize -fopenmp -DSPEC\_DRENMP

#### Fortran benchmarks:

-m64 -g -03 -march=native -fno-unsafe-math-optimizations

-fno-tree-loop-vectorize -DSPEC OPENMP -forenmp

### Base Other Flags

#### C benchmarks (except as noted below):

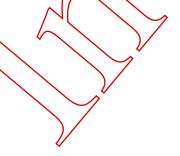
-fallow-argument-mismatch )fcommon

#### C++ benchmarks:

-fallow-argument-mismatch -fcommon

#### Fortran benchmarks;

-fallow-argument-mismatch -fcommon



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

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