xFusion
xFusion 1288H V6 (Intel Xeon Gold 6338)

CPU2017 License: 6488
Test Sponsor: xFusion
Tested by: xFusion

Test Date: Jun-2023
Hardware Availability: Apr-2021
Software Availability: Dec-2022

<table>
<thead>
<tr>
<th>Copies</th>
</tr>
</thead>
<tbody>
<tr>
<td>500.perlbench_r</td>
</tr>
<tr>
<td>502.gcc_r</td>
</tr>
<tr>
<td>505.mcf_r</td>
</tr>
<tr>
<td>520.omnetpp_r</td>
</tr>
<tr>
<td>523.xalancbmk_r</td>
</tr>
<tr>
<td>525.x264_r</td>
</tr>
<tr>
<td>531.deepsjeng_r</td>
</tr>
<tr>
<td>541.leela_r</td>
</tr>
<tr>
<td>548.exchange2_r</td>
</tr>
<tr>
<td>557.xz_r</td>
</tr>
</tbody>
</table>

**SPECrate®2017_int_base** = 443
**SPECrate®2017_int_peak** = Not Run

### Hardware

- **CPU Name**: Intel Xeon Gold 6338
- **Max MHz**: 3200
- **Nominal**: 2000
- **Enabled**: 64 cores, 2 chips, 2 threads/core
- **Orderable**: 1,2 chips
- **Cache L1**: 32 KB I + 48 KB D on chip per core
- **L2**: 1.25 MB I+D on chip per core
- **L3**: 48 MB I+D on chip per chip
- **Other**: None
- **Memory**: 512 GB (16 x 32 GB 2Rx4 PC4-3200AA-R)
- **Storage**: 1 x 960 GB SATA SSD
- **Other**: None

### Software

- **OS**: Red Hat Enterprise Linux 8.4 (Ootpa)
  4.18.0-305.el8.x86_64
- **Compiler**: C/C++: Version 2023.0 of Intel oneAPI DPC++/C++ Compiler for Linux;
  Fortran: Version 2023.0 of Intel Fortran Compiler for Linux;
- **Parallel**: No
- **Firmware**: Version 1.55 Released May-2023
- **File System**: xfs
- **System State**: Run level 3 (multi-user)
- **Base Pointers**: 64-bit
- **Peak Pointers**: Not Applicable
- **Other**: None
- **Power Management**: BIOS set to prefer performance at the cost of additional power usage
SPEC CPU®2017 Integer Rate Result

xFusion

xFusion 1288H V6 (Intel Xeon Gold 6338)

CPU2017 License: 6488
Test Sponsor: xFusion
Test Date: Jun-2023
Tested by: xFusion
Hardware Availability: Apr-2021
Software Availability: Dec-2022

Results Table

<table>
<thead>
<tr>
<th>Benchmark</th>
<th>Copies</th>
<th>Seconds</th>
<th>Ratio</th>
<th>Seconds</th>
<th>Ratio</th>
<th>Seconds</th>
<th>Ratio</th>
<th>Seconds</th>
<th>Ratio</th>
</tr>
</thead>
<tbody>
<tr>
<td>500.perlbench_r</td>
<td>128</td>
<td>673</td>
<td>303</td>
<td>673</td>
<td>303</td>
<td>672</td>
<td>303</td>
<td></td>
<td></td>
</tr>
<tr>
<td>502.gcc_r</td>
<td>128</td>
<td>517</td>
<td>351</td>
<td>520</td>
<td>349</td>
<td>517</td>
<td>351</td>
<td></td>
<td></td>
</tr>
<tr>
<td>505.mcf_r</td>
<td>128</td>
<td>287</td>
<td>722</td>
<td>287</td>
<td>722</td>
<td>287</td>
<td>722</td>
<td></td>
<td></td>
</tr>
<tr>
<td>520.omnetpp_r</td>
<td>128</td>
<td>606</td>
<td>277</td>
<td>607</td>
<td>277</td>
<td>606</td>
<td>277</td>
<td></td>
<td></td>
</tr>
<tr>
<td>523.xalancbmk_r</td>
<td>128</td>
<td>195</td>
<td>693</td>
<td>194</td>
<td>697</td>
<td>196</td>
<td>689</td>
<td></td>
<td></td>
</tr>
<tr>
<td>525.x264_r</td>
<td>128</td>
<td>255</td>
<td>879</td>
<td>255</td>
<td>879</td>
<td>255</td>
<td>878</td>
<td></td>
<td></td>
</tr>
<tr>
<td>531.deepsjeng_r</td>
<td>128</td>
<td>457</td>
<td>321</td>
<td>457</td>
<td>321</td>
<td>457</td>
<td>321</td>
<td></td>
<td></td>
</tr>
<tr>
<td>541.leela_r</td>
<td>128</td>
<td>681</td>
<td>311</td>
<td>682</td>
<td>311</td>
<td>682</td>
<td>311</td>
<td></td>
<td></td>
</tr>
<tr>
<td>548.exchange2_r</td>
<td>128</td>
<td>367</td>
<td>915</td>
<td>366</td>
<td>916</td>
<td>366</td>
<td>916</td>
<td></td>
<td></td>
</tr>
<tr>
<td>557.xz_r</td>
<td>128</td>
<td>567</td>
<td>244</td>
<td>567</td>
<td>244</td>
<td>567</td>
<td>245</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

Compiler Notes

SPEC has ruled that the compiler used for this result was performing a compilation that specifically improves the performance of the 523.xalancbmk_r / 623.xalancbmk_s benchmarks using a priori knowledge of the SPEC code and dataset to perform a transformation that has narrow applicability.

In order to encourage optimizations that have wide applicability (see rule 1.4 https://www.spec.org/cpu2017/Docs/runrules.html#rule_1.4), SPEC will no longer publish results using this optimization.

This result is left in the SPEC results database for historical reference.

Submit Notes

The numactl mechanism was used to bind copies to processors. The config file option 'submit' was used to generate numactl commands to bind each copy to a specific processor. For details, please see the config file.

Operating System Notes

Stack size set to unlimited using "ulimit -s unlimited"

Environment Variables Notes

Environment variables set by runcpu before the start of the run:
LD_LIBRARY_PATH = "/spec2017-icc2023.0/lib/intel64:/spec2017-icc2023.0/lib/ia32:/spec2017-icc2023.0/je5.0.1-32"
MALLOCCONF = "retain:true"
General Notes

Binaries compiled on a system with 2x Intel Xeon Platinum 8280M CPU + 384GB RAM
memory using Red Hat Enterprise Linux 8.4
Transparent Huge Pages enabled by default
Filesystem page cache synced and cleared with:
sync; echo 3> /proc/sys/vm/drop_caches
runcpu command invoked through numactl i.e.:
numactl --interleave=all runcpu <etc>
NA: The test sponsor attests, as of date of publication, that CVE-2017-5754 (Meltdown)
is mitigated in the system as tested and documented.
Yes: The test sponsor attests, as of date of publication, that CVE-2017-5753 (Spectre variant 1)
is mitigated in the system as tested and documented.
Yes: The test sponsor attests, as of date of publication, that CVE-2017-5715 (Spectre variant 2)
is mitigated in the system as tested and documented.

Platform Notes

BIOS configuration:
Performance Profile Set to Performance
SNC Set to Enabled SNC2 (2-clusters)
Sysinfo program /spec2017-icc2023.0/bin/sysinfo
Rev: r6732 of 2022-11-07 fe91c89b7ed5c36ae2c92cc097bec197
running on localhost.localdomain Fri Jun 16 14:51:13 2023

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

<table>
<thead>
<tr>
<th>Table of contents</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. uname -a</td>
</tr>
<tr>
<td>2. w</td>
</tr>
<tr>
<td>3. Username</td>
</tr>
<tr>
<td>4. ulimit -a</td>
</tr>
<tr>
<td>5. sysinfo process ancestry</td>
</tr>
<tr>
<td>6. /proc/cpuinfo</td>
</tr>
<tr>
<td>7. lscpu</td>
</tr>
<tr>
<td>8. numactl --hardware</td>
</tr>
<tr>
<td>9. /proc/meminfo</td>
</tr>
<tr>
<td>10. who -r</td>
</tr>
<tr>
<td>11. Systemd service manager version: systemd 239 (239-45.el18)</td>
</tr>
<tr>
<td>12. Services, from systemctl list-unit-files</td>
</tr>
<tr>
<td>13. Linux kernel boot-time arguments, from /proc/cmdline</td>
</tr>
<tr>
<td>14. cpupower frequency-info</td>
</tr>
<tr>
<td>15. tuned-adm active</td>
</tr>
<tr>
<td>16. sysct1</td>
</tr>
<tr>
<td>17. /sys/kernel/mm/transparent_hugepage</td>
</tr>
<tr>
<td>18. /sys/kernel/mm/transparent_hugepage/transparent_hugepage</td>
</tr>
<tr>
<td>19. OS release</td>
</tr>
<tr>
<td>20. Kernel self-reported vulnerability status, from /sys/devices/system/cpu/vulnerabilities</td>
</tr>
<tr>
<td>21. Disk information</td>
</tr>
<tr>
<td>22. /sys/devices/virtual/dmi/id</td>
</tr>
<tr>
<td>23. dmidecode</td>
</tr>
<tr>
<td>24. BIOS</td>
</tr>
</tbody>
</table>

(Continued on next page)
xFusion

xFusion 1288H V6 (Intel Xeon Gold 6338)

CPU2017 License: 6488
Test Sponsor: xFusion
Tested by: xFusion

Test Date: Jun-2023
Hardware Availability: Apr-2021
Software Availability: Dec-2022

Platform Notes (Continued)

GNU/Linux

2. w
14:51:13 up 20 min, 2 users, load average: 0.06, 0.03, 0.09
USER     TTY      FROM             LOGIN@   IDLE   JCPU   PCPU WHAT
root     tty1     -                14:50    9.00s  1.60s  0.08s -bash
root     pts/0    70.167.0.2       14:47   49.00s  0.04s  0.04s -bash

------------------------------------------------------------
3. Username
From environment variable $USER: root

------------------------------------------------------------
4. ulimit -a
   core file size           (blocks, -c)  0
   data seg size           (kbytes, -d) unlimited
   scheduling priority     (--e) 0
   file size               (blocks, -f) unlimited
   pending signals         (----) 2060515
   max locked memory       (kbytes, -l) 64
   max memory size         (kbytes, -m) unlimited
   open files              (----n) 1024
   pipe size               (512 bytes, -p) 8
   POSIX message queues    (bytes, -q) 819200
   real-time priority      (-----r) 0
   stack size              (kbytes, -s) unlimited
   cpu time                (seconds, -t) unlimited
   max user processes      (-----u) 2060515
   virtual memory          (kbytes, -v) unlimited
   file locks              (-----x) unlimited

------------------------------------------------------------
5. sysinfo process ancestry
   /usr/lib/systemd/systemd --switched-root --system --deserialize 18
   login -- root
   -bash
   -bash
   runcpu --define default-platform-flags --copies 128 --c ic2023.0-lin-core-avx512-rate-20221201.cfg --define smt-on --define cores=64 --define physicalfirst --define invoke_with_interleave --define drop_caches --tune base --tune intra
   runcpu --define default-platform-flags --copies 128 --configfile ic2023.0-lin-core-avx512-rate-20221201.cfg --define smt-on --define cores=64 --define physicalfirst --define invoke_with_interleave --define drop_caches --tune base --output_format all --nopower --runmode rate --tune base --size refrate intra
   specperl $SPEC/bin/sysinfo
   $SPEC = /spec2017-icc2023.0

------------------------------------------------------------
6. /proc/cpuinfo
   model name      : Intel(R) Xeon(R) Gold 6338 CPU @ 2.00GHz
   vendor_id       : GenuineIntel
   cpu family      : 6
   model           : 106
   stepping        : 6
   microcode       : 0x0d000363
   bugs            : spectre_v1 spectre_v2 spec_store_bypass swaps
   cpu cores       : 32
   siblings        : 64

(Continued on next page)
## SPEC CPU®2017 Integer Rate Result

### xFusion

#### xFusion 1288H V6 (Intel Xeon Gold 6338)

<table>
<thead>
<tr>
<th>SPEC®2017_int_base</th>
<th>SPEC®2017_int_peak</th>
</tr>
</thead>
<tbody>
<tr>
<td>443</td>
<td>Not Run</td>
</tr>
</tbody>
</table>

**CPU2017 License:** 6488  
**Test Sponsor:** xFusion  
**Tested by:** xFusion  
**Test Date:** Jun-2023  
**Hardware Availability:** Apr-2021  
**Software Availability:** Dec-2022

### Platform Notes (Continued)

- 2 physical ids (chips)  
- 128 processors (hardware threads)  
- physical id 0: core ids 0-31  
- physical id 1: core ids 0-31  
- physical id 0: apicids 0-63  
- physical id 1: apicids 128-191  

Caution: /proc/cpuinfo data regarding chips, cores, and threads is not necessarily reliable, especially for virtualized systems. Use the above data carefully.

---

### 7. lscpu

```
From lscpu from util-linux 2.32.1:
Architecture: x86_64  
CPU op-mode(s): 32-bit, 64-bit  
Byte Order: Little Endian  
CPU(s): 128  
On-line CPU(s) list: 0-127  
Thread(s) per core: 2  
Core(s) per socket: 32  
Socket(s): 2  
Vendor ID: GenuineIntel  
BIOS Vendor ID: Intel(R) Corporation  
CPU family: 6  
Model: 106  
Model name: Intel(R) Xeon(R) Gold 6338 CPU @ 2.00GHz  
BIOS Model name: Intel(R) Xeon(R) Gold 6338 CPU @ 2.00GHz  
Stepping: 6  
CPU MHz: 2600.000  
BogoMIPS: 4000.00  
Virtualization: VT-x  
L1d cache: 48K  
L1i cache: 32K  
L2 cache: 1280K  
L3 cache: 49152K  
NUMA node0 CPU(s): 0-15,64-79  
NUMA node1 CPU(s): 16-31,80-95  
NUMA node2 CPU(s): 32-47,96-111  
NUMA node3 CPU(s): 48-63,112-127  
Flags: fpu vme de pse mce pae mts cmov pat pse36 mmx fxsr mda mckacmx mmxset mxv xoptim movbe msr rep_good nolmp xtopology nonstop_tsc intel_pstate cpuid tm lscpu data tsc_adjust arch_capabilities

```

---

### 8. numactl --hardware

```
NOTE: a numactl 'node' might or might not correspond to a physical chip.  
available: 4 nodes (0-3)  
node 0 cpus: 0-15,64-79  
node 0 size: 128154 MB
```

(Continued on next page)
SPEC CPU®2017 Integer Rate Result

xFusion

xFusion 1288H V6 (Intel Xeon Gold 6338)

SPECrate®2017_int_base = 443
SPECrate®2017_int_peak = Not Run

CPU2017 License: 6488
Test Sponsor: xFusion
Tested by: xFusion

Test Date: Jun-2023
Hardware Availability: Apr-2021
Software Availability: Dec-2022

Platform Notes (Continued)

node 0 free: 127374 MB
node 1 cpus: 16–31, 80–95
node 1 size: 129017 MB
node 1 free: 128284 MB
node 2 cpus: 32–47, 96–111
node 2 size: 128979 MB
node 2 free: 128497 MB
node 3 cpus: 48–63, 112–127
node 3 size: 129014 MB
node 3 free: 128533 MB
node distances:
node   0   1   2   3
 0:  10  11  20  20
 1:  11  10  20  20
 2:  20  20  10  11
 3:  20  20  11  10

9. /proc/meminfo
   MemTotal: 527529464 kB

10. who -r
   run-level 3 Jun 16 14:31

11. Systemd service manager version: systemd 239 (239-45.el8)
   Default Target Status
   multi-user running

12. Services, from systemctl list-unit-files
   STATE UNIT FILES
   enabled NetworkManager NetworkManager-dispatcher NetworkManager-wait-online atd auditd autovt@ chronyd
crond firewalld getty@ import-state irqbalance iscsi iscsi-onboot kdump libstoragemgmt
loadmodules lvmd-monitor mcedlog mdmonitor microcode multipathd nis-domainname
nvme-connections rdmacertd rsyslog selinux-autorelabel-mark smartd sshd sssd syslog
sysstat timedatex tuned udisks2 vdo
disabled arp-ethers blk-availability chrony-wait console-getty cpupower debug-shell ebtables iprdump
iprinit iprupdate ipsec iscslid iscsiui0 kpatch kvm_stat ledmon nftables nvme-autoconnect oddjobd
psacct rdisc rhod rshm zham-facts serial-getty@ sshd-keygen@ systemd-resolved tcsd
generated SystemTap compile-server gcc-toolset-10-stap-server gcc-toolset-10-systemtap
gcc-toolset-9-stap-server gcc-toolset-9-systemtap scripts startup
indirect sssd-autofs sssd-kcm sssd-nss sssd-pac sssd-pam sssd-ssh sssd-sudo
masked systemd-timedated

13. Linux kernel boot-time arguments, from /proc/cmdline
   BOOT_IMAGE=(hd0,gpt3)/boot/vmlinuz-4.18.0-305.el8
   root=UUID=711de346-1631-4db6-a26f-37488271d525
   ro
crashkernel=auto
   resume=UUID=d6a3ac10-1ea1-4e42-a80b-54c427bca19
   rhgb
   quiet

14. cpupower frequency-info
   analyzing CPU 0:
     Unable to determine current policy

(Continued on next page)
xFusion

xFusion 1288H V6 (Intel Xeon Gold 6338)

<table>
<thead>
<tr>
<th>SPEC®2017_int_base</th>
<th>443</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPEC®2017_int_peak</td>
<td>Not Run</td>
</tr>
</tbody>
</table>

CPU2017 License: 6488
Test Sponsor: xFusion
Tested by: xFusion

Test Date: Jun-2023
Hardware Availability: Apr-2021
Software Availability: Dec-2022

Platform Notes (Continued)

boost state support:
Supported: yes
Active: yes

------------------------------------------------------------
15. tuned-adm active
No current active profile.

------------------------------------------------------------
16. sysctl
   kernel.numa_balancing 1
   kernel.randomize_va_space 2
   vm.compaction_proactiveness 0
   vm.dirty_background_bytes 0
   vm.dirty_background_ratio 10
   vm.dirty_bytes 0
   vm.dirty_expire_centisecs 3000
   vm.dirty_ratio 20
   vm.dirty_writeback_centisecs 500
   vm.dirtytime_expire_seconds 43200
   vm.extrfrag_threshold 500
   vm.min_unmapped_ratio 1
   vm.nr_hugepages 0
   vm.nr_hugepages_mempolicy 0
   vm.nr_overcommit_hugepages 0
   vm.swappiness 60
   vm.watermark_boost_factor 15000
   vm.watermark_scale_factor 10
   vm.zone_reclaim_mode 0

------------------------------------------------------------
17. /sys/kernel/mm/transparent_hugepage
   defrag always defer defer+madvis [madvis] never
   enabled [always] madvis never
   hpage_pmd_size 2097152
   shmem_enabled always within_size advise [never] deny force

------------------------------------------------------------
18. /sys/kernel/mm/transparent_hugepage/khugepaged
   alloc_sleep_millisecs 60000
   defrag 1
   max_ptes_none 511
   max_ptes_swap 64
   pages_to_scan 4096
   scan_sleep_millisecs 10000

------------------------------------------------------------
19. OS release
   From /etc/*-release /etc/*-version
   os-release Red Hat Enterprise Linux 8.4 (Ootpa)
   redhat-release Red Hat Enterprise Linux release 8.4 (Ootpa)
   system-release Red Hat Enterprise Linux release 8.4 (Ootpa)

------------------------------------------------------------
20. Kernel self-reported vulnerability status, from /sys/devices/system/cpu/vulnerabilities
   itlb_multihit Not affected
   l1tf Not affected
   mds Not affected
   meltdown Not affected
   spec_store_bypass Mitigation: Speculative Store Bypass disabled via prctl and seccomp

(Continued on next page)
Platform Notes (Continued)

spectre_v1  Mitigation: usercopy/swaps barriers and __user pointer sanitization
spectre_v2  Mitigation: Enhanced IBRS, IBPB: conditional, RSB filling
srbs  Not affected
tex_async_abort  Not affected

For more information, see the Linux documentation on hardware vulnerabilities, for example

21. Disk information
SPEC is set to: /spec2017-icc2023.0
Filesystem  Type  Size  Used Avail Use% Mounted on
/dev/sda3    xfs   420G   86G  334G  21% /

22. /sys/devices/virtual/dmi/id
Vendor: XFUSION
Product: 1288H V6
Product Family: Whitley
Serial: Serial

23. dmidecode
Additional information from dmidecode 3.2 follows. WARNING: Use caution when you interpret this section.
The 'dmidecode' program reads system data which is "intended to allow hardware to be accurately
determined", but the intent may not be met, as there are frequent changes to hardware, firmware, and the
"DMTF SMBIOS" standard.
Memory: 16x Samsung M393A4K40DB3-CWE 32 GB 2 rank 3200

24. BIOS
(This section combines info from /sys/devices and dmidecode.)
BIOS Vendor: XFUSION
BIOS Version: 1.55
BIOS Date: 05/09/2023
BIOS Revision: 1.55

Compiler Version Notes

--- C ---
C      500.perlbench_r(base) 502.gcc_r(base) 505.mcf_r(base) 525.x264_r(base) 557.xz_r(base)
--- Intel(R) oneAPI DPC++/C++ Compiler for applications running on Intel(R) 64, Version 2023.0.0 Build 20221201 Copyright (C) 1985-2022 Intel Corporation. All rights reserved.
---
--- C++ ---
C++    520.omnetpp_r(base) 523.xalancbmk_r(base) 531.deepsjeng_r(base) 541.leela_r(base)
--- Intel(R) oneAPI DPC++/C++ Compiler for applications running on Intel(R) 64, Version 2023.0.0 Build 20221201 Copyright (C) 1985-2022 Intel Corporation. All rights reserved.
---
--- Fortran ---
Fortran 548.exchange2_r(base)
--- Intel(R) Fortran Compiler for applications running on Intel(R) 64, Version 2023.0.0 Build 20221201 Copyright (C) 1985-2022 Intel Corporation. All rights reserved.
xFusion
xFusion 1288H V6 (Intel Xeon Gold 6338)

SPECratenot run
SPECratenot run

CPU2017 License: 6488
Test Sponsor: xFusion
Tested by: xFusion
Test Date: Jun-2023
Hardware Availability: Apr-2021
Software Availability: Dec-2022

Compiler Version Notes (Continued)

Base Compiler Invocation

C benchmarks:
icx

C++ benchmarks:
icpx

Fortran benchmarks:
ifx

Base Portability Flags

500.perlbach_r: -DSPEC_LP64 -DSPEC_LINUX_X64
502.gcc_r: -DSPEC_LP64
505.mcf_r: -DSPEC_LP64
520.omnetpp_r: -DSPEC_LP64
523.xalancbmk_r: -DSPEC_LP64 -DSPEC_LINUX
525.x264_r: -DSPEC_LP64
531.deepsjeng_r: -DSPEC_LP64
541.leela_r: -DSPEC_LP64
548.exchange2_r: -DSPEC_LP64
557.xz_r: -DSPEC_LP64

Base Optimization Flags

C benchmarks:
-w -std=c11 -m64 -Wl,-z,muldefs -xCORE-AVX512 -O3 -ffast-math
-flto -mfpmath=sse -funroll-loops -qopt-mem-layout-trans=4
-L/usr/local/intel/compiler/2023.0.0/linux/compiler/lib/intel64_lin
-1qkmalloc

C++ benchmarks:
-w -std=c++14 -m64 -Wl,-z,muldefs -xCORE-AVX512 -O3 -ffast-math
-flto -mfpmath=sse -funroll-loops -qopt-mem-layout-trans=4
-L/usr/local/intel/compiler/2023.0.0/linux/compiler/lib/intel64_lin
-1qkmalloc

Fortran benchmarks:
-w -m64 -Wl,-z,muldefs -xCORE-AVX512 -O3 -ffast-math -flto

(Continued on next page)
SPEC CPU®2017 Integer Rate Result

xFusion

xFusion 1288H V6 (Intel Xeon Gold 6338)

SPECrate®2017_int_base = 443
SPECrate®2017_int_peak = Not Run

CPU2017 License: 6488
Test Sponsor: xFusion
Tested by: xFusion

Test Date: Jun-2023
Hardware Availability: Apr-2021
Software Availability: Dec-2022

Base Optimization Flags (Continued)

Fortran benchmarks (continued):
-mfpmath=sse -funroll-loops -qopt-mem-layout-trans=4
-nostandard-realloc-lhs -align array32byte -auto
-L/usr/local/intel/compiler/2023.0.0/linux/compiler/lib/intel64_lin
-lqkmalloc

The flags files that were used to format this result can be browsed at
http://www.spec.org/cpu2017/flags/Intel-ic2023-official-linux64.html
http://www.spec.org/cpu2017/flags/xFusion-Platform-Settings-ICX-V1.2.2023-07-05.html

You can also download the XML flags sources by saving the following links:
http://www.spec.org/cpu2017/flags/Intel-ic2023-official-linux64.xml
http://www.spec.org/cpu2017/flags/xFusion-Platform-Settings-ICX-V1.2.2023-07-05.xml

SPEC CPU and SPECrate are registered trademarks of the Standard Performance Evaluation Corporation. All other brand and product names appearing in this result are trademarks or registered trademarks of their respective holders.

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

Tested with SPEC CPU®2017 v1.1.9 on 2023-06-16 14:51:12-0400.
Originally published on 2023-07-04.