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617-xanv3-spectv12off-minbatch1-noVT

Intel Core i9-12900K testing with a ASUS PRIME Z690M-HZ (9021 BIOS) and ASUS Intel UHD 770 ADL-S GT1 126GB on Debian via the Phoronix Test Suite.

Test Systems:

617-xanv3-spectv12off-minbatch1-noVT

Processor: Intel Core i9-12900K @ 5.10GHz (16 Cores / 24 Threads), Motherboard: ASUS PRIME Z690M-HZ (9021 BIOS), Chipset: Intel Alder Lake-S PCH, Memory: 128GB, Disk: 2 x 1920GB SAMSUNG MZQL21T9HCJR-00A07, Graphics: ASUS Intel UHD 770 ADL-S GT1 126GB (1550MHz), Network: Intel

OS: Debian, Kernel: 6.1.7-x64v3-xanmod1 (x86_64), Desktop: Xfce 4.18, Display Server: X Server 1.21.1.6, OpenGL: 4.6 Mesa 22.3.3, Compiler: GCC 12.2.0, File-System: ext4, Screen Resolution: 1920x1200

Kernel Notes: Transparent Huge Pages: always
Compiler Notes: --build=x86_64-linux-gnu --disable-vtable-verify --disable-werror --enable-cet --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-gnu-unique-object --enable-languages=c,ada,c++,go,d,fortran,objc,obj-c++,m2 --enable-libphobos-checking=release --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc=auto --enable-offload-defaulted --enable-offload-targets=nvptx-none=/build/gcc-12-bTRWOB/gcc-12-12.2.0/debian/tmp-nvptx/usr,amdgcn-amdhsa=/build/gcc-12-bTRWOB/gcc-12-12.2.0/debian/tmp-gcn/u

sr --enable-plugin --enable-shared --enable-threads=posix --host=x86_64-linux-gnu --program-prefix=x86_64-linux-gnu- --target=x86_64-linux-gnu --with-abi=m64 --with-arch-32=i686 --with-default-libstdcxx-abi=new --with-gcc-major-version-only --with-multilib-list=m32,m64,mx32 --with-target-system-zlib=auto --with-tune=generic --without-cuda-driver -v
Disk Notes: NONE / lazytime,noatime,rw,stripe=32 / Block Size: 4096
Processor Notes: Scaling Governor: intel_pstate performance (EPP: performance) - CPU Microcode: 0x26
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + mmio_stale_data: Not affected + retbleed: Not affected + spec_store_bypass: Mitigation of SSB disabled via prctl + spectre_v1: Vulnerable: __user pointer sanitization and usercopy barriers only; no swapgs barriers + spectre_v2: Vulnerable IBPB: disabled STIBP: disabled PBRSB-eIBRS: Vulnerable + srbds: Not affected + tsx_async_abort: Not affected

	617-xanv3-spectv12off-minbatch1-noVT
Flexible IO Tester - Rand Read - IO_uring - No - No - 4KB - /home (MB/s)	2512
Standard Deviation	0.1%
Flexible IO Tester - Rand Read - IO_uring - No - No - 4KB - /home (IOPS)	643000
Standard Deviation	0.2%
Flexible IO Tester - Rand Read - IO_uring - No - Yes - 4KB - /home (MB/s)	2512
Standard Deviation	0.1%
Flexible IO Tester - Rand Read - IO_uring - No - Yes - 4KB - /home (IOPS)	643000
Standard Deviation	0.2%
Flexible IO Tester - Rand Read - IO_uring - Yes - No - 4KB - /home (MB/s)	1923
Standard Deviation	0.5%
Flexible IO Tester - Rand Read - IO_uring - Yes - No - 4KB - /home (IOPS)	492333
Standard Deviation	0.5%
Flexible IO Tester - Rand Read - Linux AIO - No - No - 4KB - /home (MB/s)	2513
Standard Deviation	0.1%
Flexible IO Tester - Rand Read - Linux AIO - No - No - 4KB - /home (IOPS)	643667
Standard Deviation	0.1%
Flexible IO Tester - Rand Write - IO_uring - No - No - 4KB - /home (MB/s)	2343
Standard Deviation	0.7%
Flexible IO Tester - Rand Write - IO_uring - No - No - 4KB - /home (IOPS)	600000
Standard Deviation	0.7%
Flexible IO Tester - Rand Read - IO_uring - Yes - Yes - 4KB - /home (MB/s)	1919
Standard Deviation	0.4%
Flexible IO Tester - Rand Read - IO_uring - Yes - Yes - 4KB - /home (IOPS)	491333
Standard Deviation	0.4%
Flexible IO Tester - Rand Read - Linux AIO - No - Yes - 4KB - /home (MB/s)	2473
Standard Deviation	0.1%

Flexible IO Tester - Rand Read - Linux AIO - No - Yes - 4KB - /home (IOPS)	633000
Standard Deviation	0%
Flexible IO Tester - Rand Read - Linux AIO - Yes - No - 4KB - /home (MB/s)	63.2
Standard Deviation	0.2%
Flexible IO Tester - Rand Read - Linux AIO - Yes - No - 4KB - /home (IOPS)	16200
Standard Deviation	0%
Flexible IO Tester - Rand Write - IO_uring - No - Yes - 4KB - /home (MB/s)	2325
Standard Deviation	1%
Flexible IO Tester - Rand Write - IO_uring - No - Yes - 4KB - /home (IOPS)	595333
Standard Deviation	1%
Flexible IO Tester - Rand Write - IO_uring - Yes - No - 4KB - /home (MB/s)	1414
Standard Deviation	0.5%
Flexible IO Tester - Rand Write - IO_uring - Yes - No - 4KB - /home (IOPS)	362000
Standard Deviation	0.6%
Flexible IO Tester - Rand Write - Linux AIO - No - No - 4KB - /home (MB/s)	2032
Standard Deviation	0.4%
Flexible IO Tester - Rand Write - Linux AIO - No - No - 4KB - /home (IOPS)	520333
Standard Deviation	0.4%
Flexible IO Tester - Rand Read - Linux AIO - Yes - Yes - 4KB - /home (MB/s)	63.3
Standard Deviation	0.1%
Flexible IO Tester - Rand Read - Linux AIO - Yes - Yes - 4KB - /home (IOPS)	16200
Standard Deviation	0%
Flexible IO Tester - Rand Write - IO_uring - Yes - Yes - 4KB - /home (MB/s)	1418
Standard Deviation	0.1%
Flexible IO Tester - Rand Write - IO_uring - Yes - Yes - 4KB - /home (IOPS)	363333
Standard Deviation	0.2%
Flexible IO Tester - Rand Write - Linux AIO - No - Yes - 4KB - /home (MB/s)	2034
Standard Deviation	0.3%
Flexible IO Tester - Rand Write - Linux AIO - No - Yes - 4KB - /home (IOPS)	520667
Standard Deviation	0.3%
Flexible IO Tester - Rand Write - Linux AIO - Yes - No - 4KB - /home (MB/s)	1392
Standard Deviation	0.7%
Flexible IO Tester - Rand Write - Linux AIO - Yes - No - 4KB - /home (IOPS)	356667
Standard Deviation	0.8%

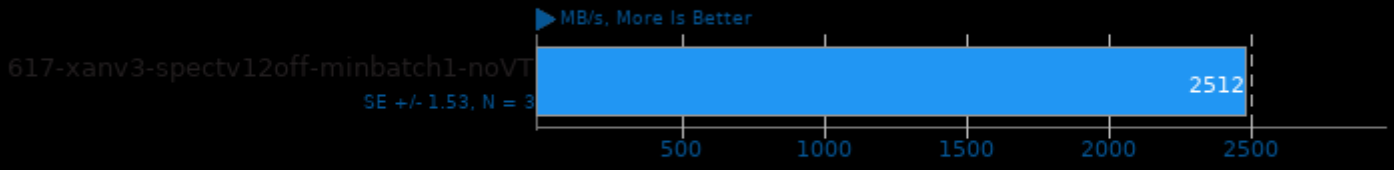
Flexible IO Tester - Rand Write - Linux AIO - Yes - Yes - 4KB - /home (MB/s)	1391
Standard Deviation	0.5%
Flexible IO Tester - Rand Write - Linux AIO - Yes - Yes - 4KB - /home (IOPS)	356000
Standard Deviation	0.6%
Flexible IO Tester - Seq Read - IO_uring - No - No - 4KB - /home	2170
Standard Deviation	0.6%
Flexible IO Tester - Seq Read - IO_uring - No - No - 4KB - /home	555333
Standard Deviation	0.6%
Flexible IO Tester - Seq Read - IO_uring - No - Yes - 4KB - /home (MB/s)	2178
Standard Deviation	0.2%
Flexible IO Tester - Seq Read - IO_uring - No - Yes - 4KB - /home (IOPS)	557333
Standard Deviation	0.2%
Flexible IO Tester - Seq Read - IO_uring - Yes - No - 4KB - /home (MB/s)	2018
Standard Deviation	0.4%
Flexible IO Tester - Seq Read - IO_uring - Yes - No - 4KB - /home (IOPS)	516667
Standard Deviation	0.5%
Flexible IO Tester - Seq Read - Linux AIO - No - No - 4KB - /home (MB/s)	2621
Standard Deviation	1.1%
Flexible IO Tester - Seq Read - Linux AIO - No - No - 4KB - /home (IOPS)	670667
Standard Deviation	1.1%
Flexible IO Tester - Seq Write - IO_uring - No - No - 4KB - /home	2405
Standard Deviation	0.7%
Flexible IO Tester - Seq Write - IO_uring - No - No - 4KB - /home	615667
Standard Deviation	0.8%
Flexible IO Tester - Seq Read - IO_uring - Yes - Yes - 4KB - /home (MB/s)	2943
Standard Deviation	0.1%
Flexible IO Tester - Seq Read - IO_uring - Yes - Yes - 4KB - /home (IOPS)	753333
Standard Deviation	0.2%
Flexible IO Tester - Seq Read - Linux AIO - No - Yes - 4KB - /home (MB/s)	2880
Standard Deviation	0.1%
Flexible IO Tester - Seq Read - Linux AIO - No - Yes - 4KB - /home (IOPS)	737333
Standard Deviation	0.2%
Flexible IO Tester - Seq Read - Linux AIO - Yes - No - 4KB - /home (MB/s)	2871
Standard Deviation	0.1%
Flexible IO Tester - Seq Read - Linux AIO - Yes - No - 4KB - /home (IOPS)	735000
Standard Deviation	0.1%

Flexible IO Tester - Seq Write - IO_uring - No - Yes - 4KB - /home (MB/s)	2406
Standard Deviation	0.6%
Flexible IO Tester - Seq Write - IO_uring - No - Yes - 4KB - /home (IOPS)	616000
Standard Deviation	0.6%
Flexible IO Tester - Seq Write - IO_uring - Yes - No - 4KB - /home (MB/s)	1965
Standard Deviation	0.4%
Flexible IO Tester - Seq Write - IO_uring - Yes - No - 4KB - /home (IOPS)	503000
Standard Deviation	0.3%
Flexible IO Tester - Seq Write - Linux AIO - No - No - 4KB - /home (MB/s)	2059
Standard Deviation	0.9%
Flexible IO Tester - Seq Write - Linux AIO - No - No - 4KB - /home (IOPS)	527000
Standard Deviation	0.9%
Flexible IO Tester - Seq Read - Linux AIO - Yes - Yes - 4KB - /home (MB/s)	2912
Standard Deviation	0.1%
Flexible IO Tester - Seq Read - Linux AIO - Yes - Yes - 4KB - /home (IOPS)	745667
Standard Deviation	0.1%
Flexible IO Tester - Seq Write - IO_uring - Yes - Yes - 4KB - /home (MB/s)	1985
Standard Deviation	0.8%
Flexible IO Tester - Seq Write - IO_uring - Yes - Yes - 4KB - /home (IOPS)	508333
Standard Deviation	0.7%
Flexible IO Tester - Seq Write - Linux AIO - No - Yes - 4KB - /home (MB/s)	2072
Standard Deviation	0.3%
Flexible IO Tester - Seq Write - Linux AIO - No - Yes - 4KB - /home (IOPS)	530333
Standard Deviation	0.3%
Flexible IO Tester - Seq Write - Linux AIO - Yes - No - 4KB - /home (MB/s)	1968
Standard Deviation	0.3%
Flexible IO Tester - Seq Write - Linux AIO - Yes - No - 4KB - /home (IOPS)	503667
Standard Deviation	0.3%
Flexible IO Tester - Seq Write - Linux AIO - Yes - Yes - 4KB - /home (MB/s)	1969
Standard Deviation	0.7%
Flexible IO Tester - Seq Write - Linux AIO - Yes - Yes - 4KB - /home (IOPS)	504000
Standard Deviation	0.8%
PostMark - D.T.P (TPS)	8781
Standard Deviation	9.5%
Sockperf - Throughput (Messages/sec)	951480

Standard Deviation	4.1%
Sockperf - Latency Ping Pong (usec)	1.858
Standard Deviation	0.7%
Sockperf - Latency Under Load (usec)	37.376
Standard Deviation	0.8%
Stress-NG - MMAP (Bogo Ops/s)	381.10
Standard Deviation	2.4%
Stress-NG - NUMA (Bogo Ops/s)	434.11
Standard Deviation	2.3%
Stress-NG - Futex (Bogo Ops/s)	3463528
Standard Deviation	2.5%
Stress-NG - MEMFD (Bogo Ops/s)	1675
Standard Deviation	0.1%
Stress-NG - Mutex (Bogo Ops/s)	61574040
Standard Deviation	1%
Stress-NG - Atomic (Bogo Ops/s)	286872
Standard Deviation	8.7%
Stress-NG - Crypto (Bogo Ops/s)	27527
Standard Deviation	0.2%
Stress-NG - Malloc (Bogo Ops/s)	19243577
Standard Deviation	1.3%
Stress-NG - Forking (Bogo Ops/s)	90986
Standard Deviation	1.2%
Stress-NG - IO_uring (Bogo Ops/s)	56884
Standard Deviation	0.5%
Stress-NG - SENDFILE (Bogo Ops/s)	414290
Standard Deviation	0.7%
Stress-NG - CPU Cache (Bogo Ops/s)	83.46
Standard Deviation	4.5%
Stress-NG - CPU Stress (Bogo Ops/s)	32865
Standard Deviation	1%
Stress-NG - Semaphores (Bogo Ops/s)	2618698
Standard Deviation	0.6%
Stress-NG - Matrix Math (Bogo Ops/s)	81373
Standard Deviation	0.8%
Stress-NG - Vector Math (Bogo Ops/s)	77827
Standard Deviation	1.2%
Stress-NG - x86_64 RdRand (Bogo Ops/s)	82760
Standard Deviation	0%
Stress-NG - Memory Copying (Bogo Ops/s)	3110
Standard Deviation	0.6%
Stress-NG - Socket Activity (Bogo Ops/s)	4104
Standard Deviation	149%
Stress-NG - Context Switching (Bogo Ops/s)	3493786
Standard Deviation	7%
Stress-NG - G.C.S.F (Bogo Ops/s)	3093772
Standard Deviation	0.7%
Stress-NG - G.Q.D.S (Bogo Ops/s)	256.58
Standard Deviation	1.2%
Stress-NG - S.V.M.P (Bogo Ops/s)	26662291
Standard Deviation	0.1%

Flexible IO Tester 3.29

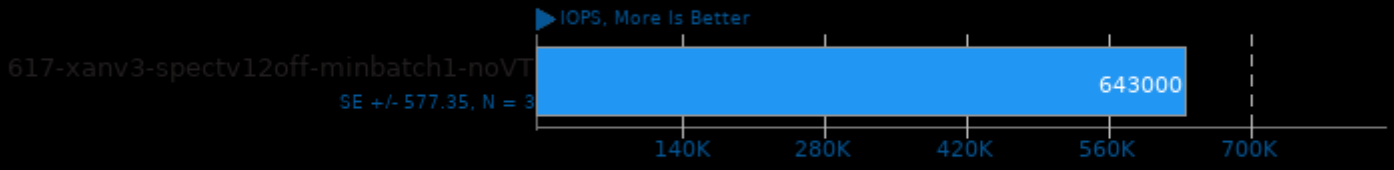
Type: Random Read - Engine: IO_uring - Buffered: No - Direct: No - Block Size: 4KB - Disk Target: /home



1. (CC) gcc options: -rdynamic -ll -lz -lm -lpthread -ldl -laio -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native

Flexible IO Tester 3.29

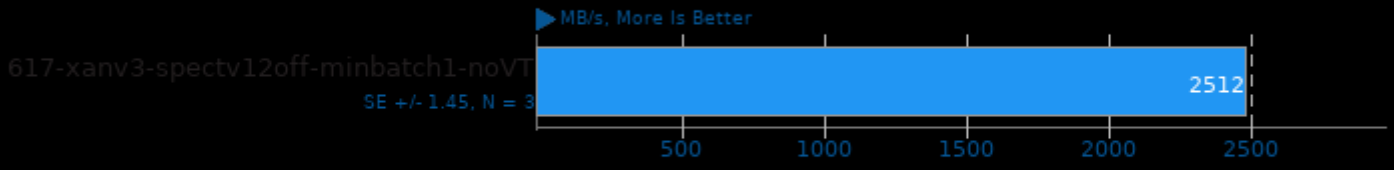
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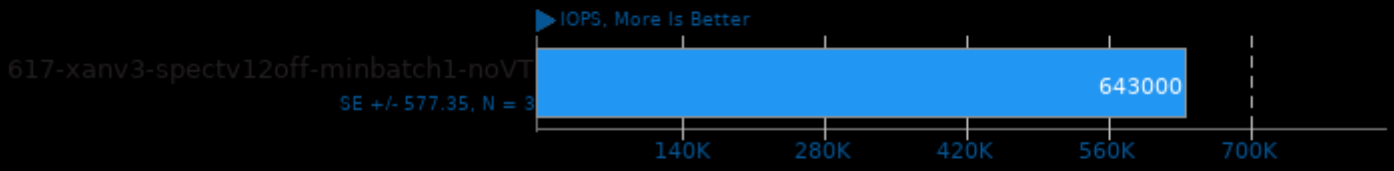
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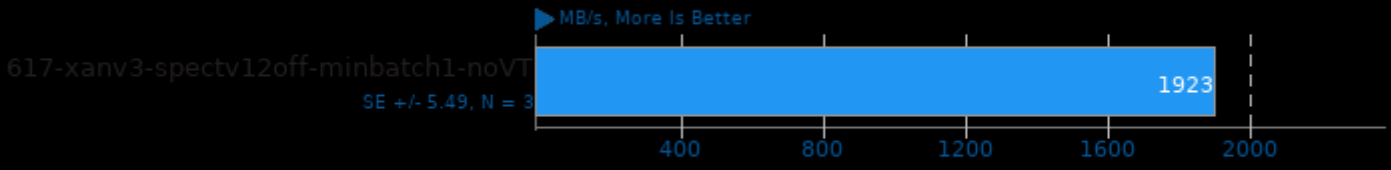
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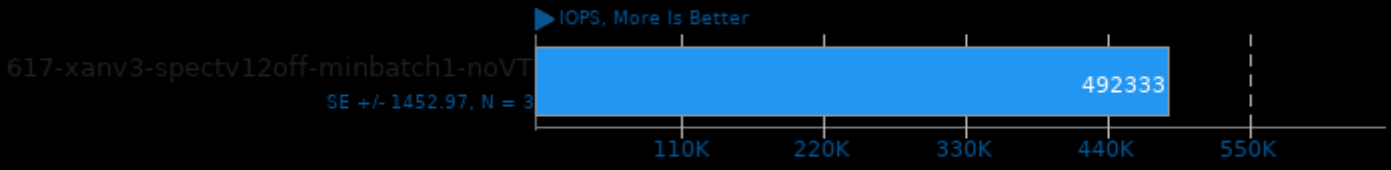
Type: Random Read - Engine: IO_uring - Buffered: Yes - Direct: No - Block Size: 4KB - Disk Target: /home



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Flexible IO Tester 3.29

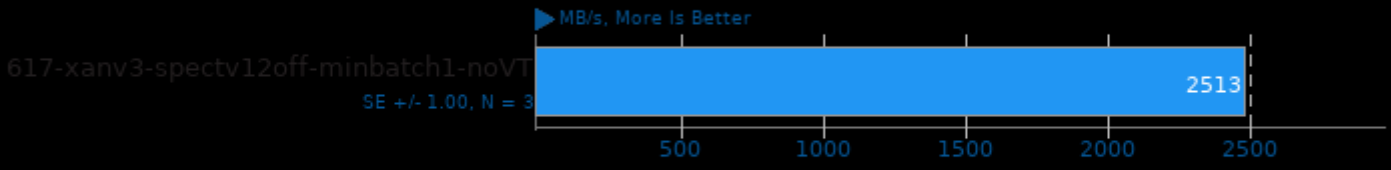
Type: Random Read - Engine: IO_uring - Buffered: Yes - Direct: No - Block Size: 4KB - Disk Target: /home



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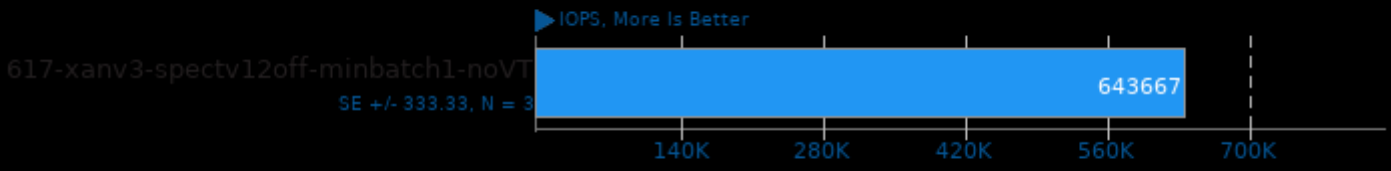
Type: Random Read - Engine: Linux AIO - Buffered: No - Direct: No - Block Size: 4KB - Disk Target: /home



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Flexible IO Tester 3.29

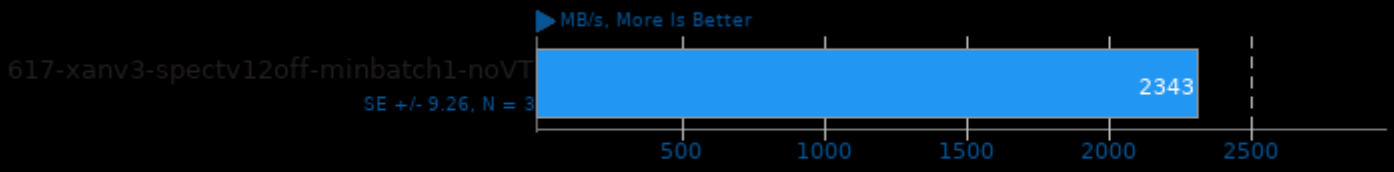
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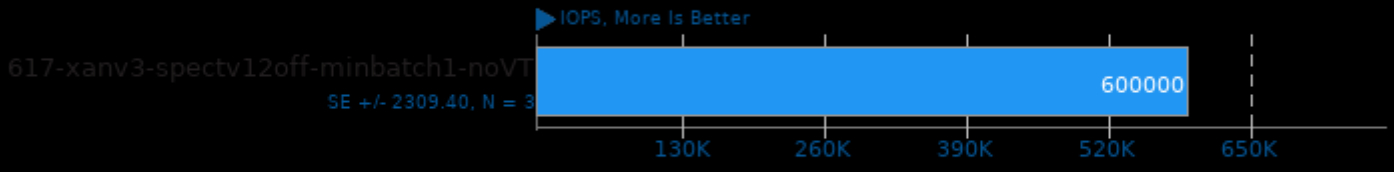
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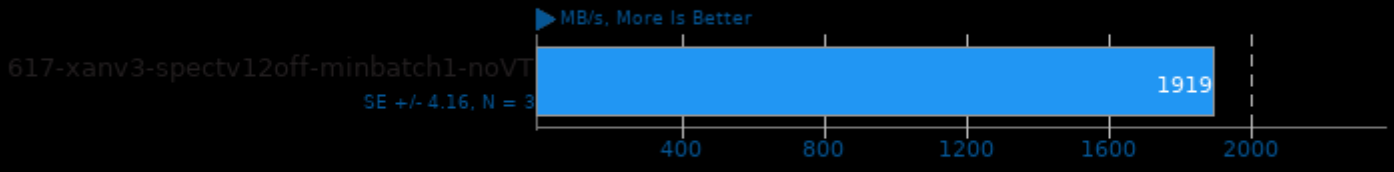
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Flexible IO Tester 3.29

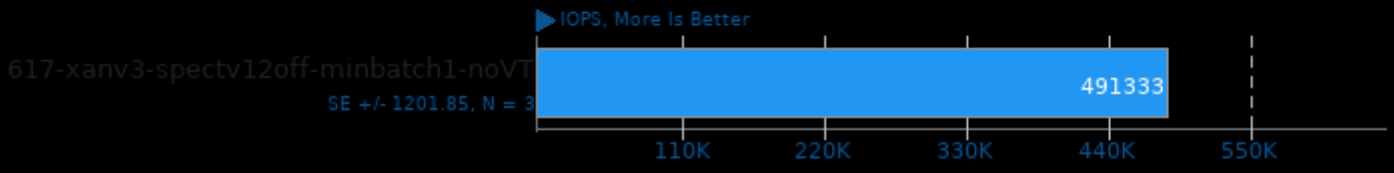
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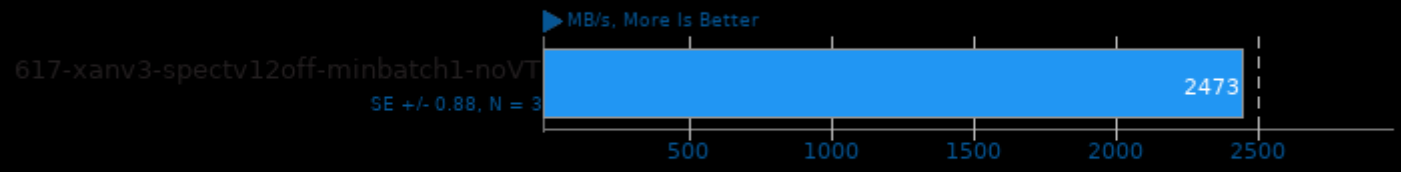
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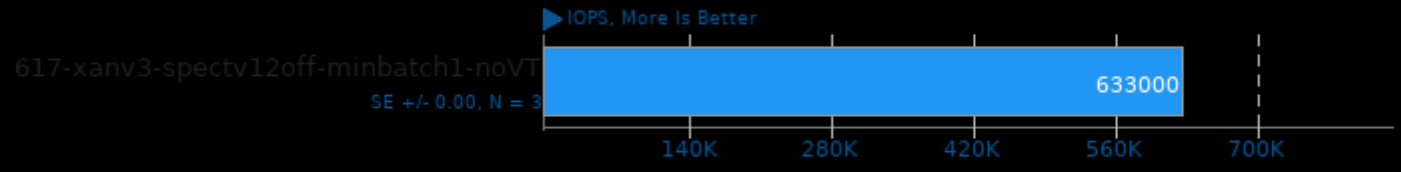
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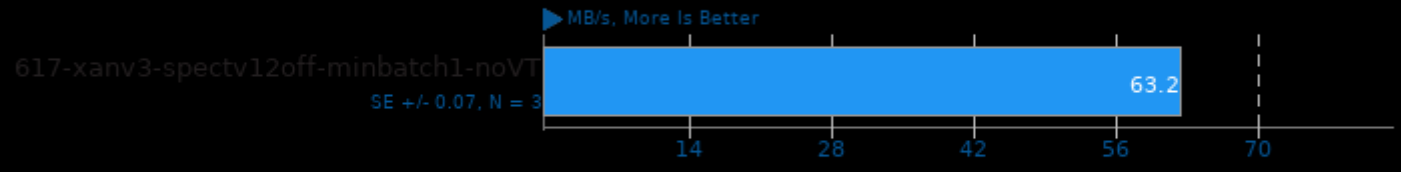
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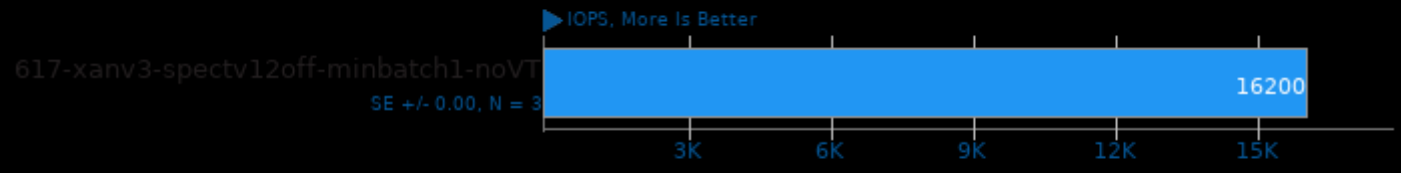
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1. (CC) gcc options: -rdynamic -ll -lz -lm -lpthread -ldl -laio -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native

Flexible IO Tester 3.29

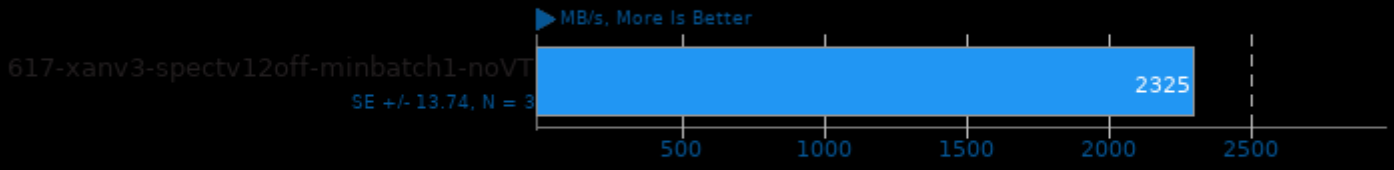
Type: Random Read - Engine: Linux AIO - Buffered: Yes - Direct: No - Block Size: 4KB - Disk Target: /home



1. (CC) gcc options: -rdynamic -ll -lz -lm -lpthread -ldl -laio -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native

Flexible IO Tester 3.29

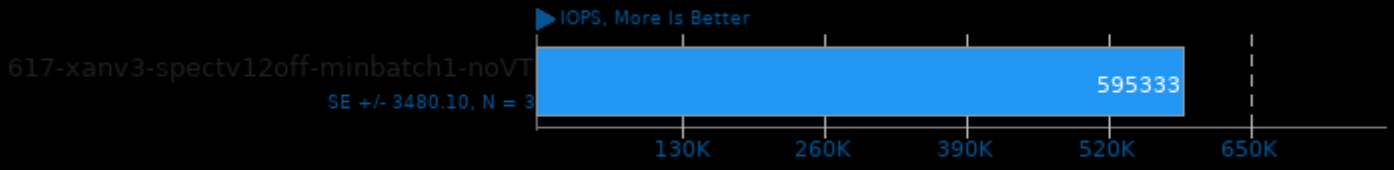
Type: Random Write - Engine: IO_uring - Buffered: No - Direct: Yes - Block Size: 4KB - Disk Target: /home



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Flexible IO Tester 3.29

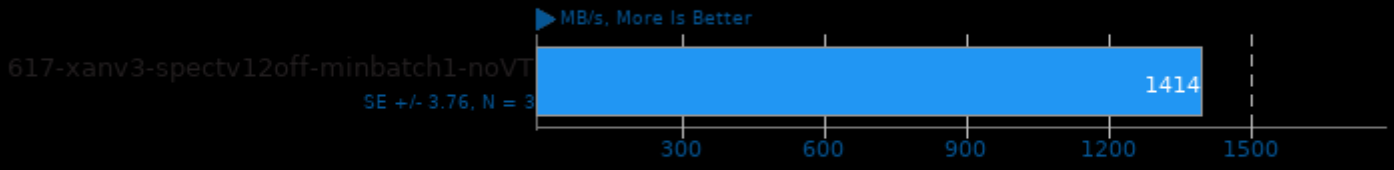
Type: Random Write - Engine: IO_uring - Buffered: No - Direct: Yes - Block Size: 4KB - Disk Target: /home



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Flexible IO Tester 3.29

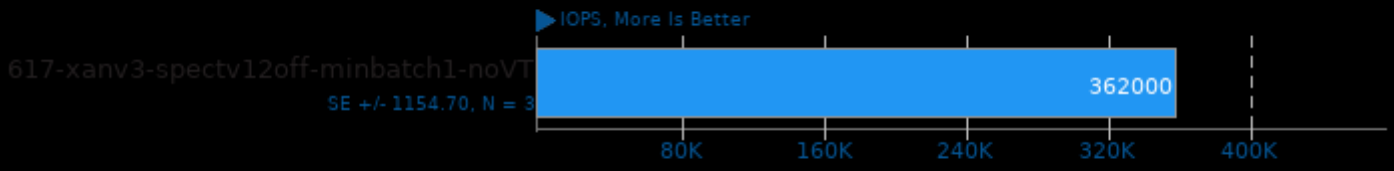
Type: Random Write - Engine: IO_uring - Buffered: Yes - Direct: No - Block Size: 4KB - Disk Target: /home



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Flexible IO Tester 3.29

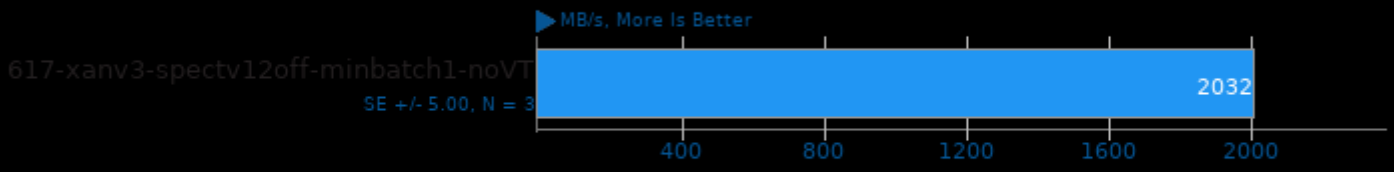
Type: Random Write - Engine: IO_uring - Buffered: Yes - Direct: No - Block Size: 4KB - Disk Target: /home



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Flexible IO Tester 3.29

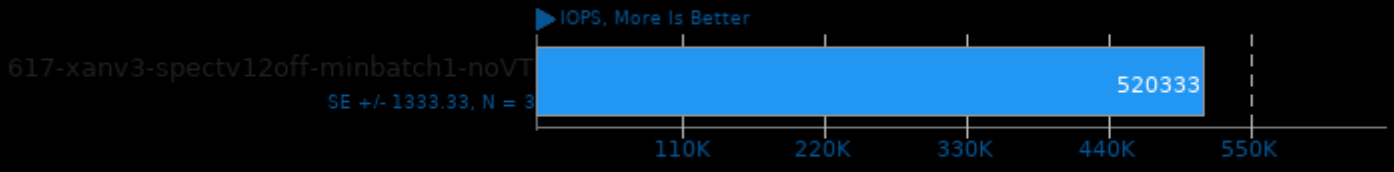
Type: Random Write - Engine: Linux AIO - Buffered: No - Direct: No - Block Size: 4KB - Disk Target: /home



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Flexible IO Tester 3.29

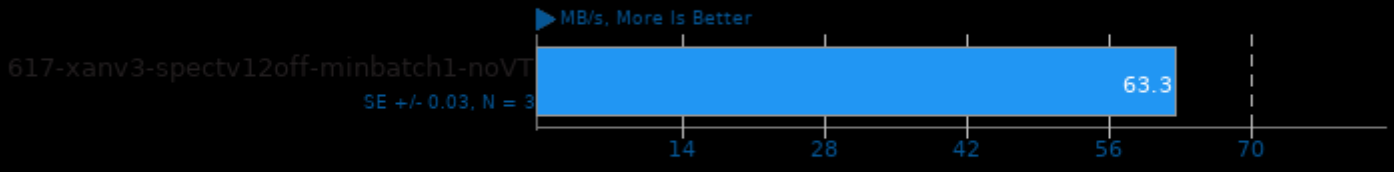
Type: Random Write - Engine: Linux AIO - Buffered: No - Direct: No - Block Size: 4KB - Disk Target: /home



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Flexible IO Tester 3.29

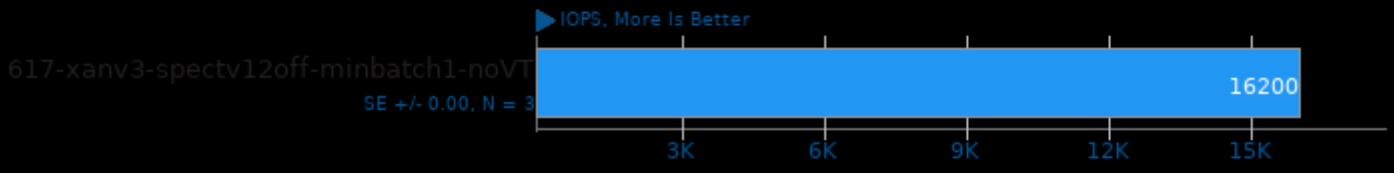
Type: Random Read - Engine: Linux AIO - Buffered: Yes - Direct: Yes - Block Size: 4KB - Disk Target: /home



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Flexible IO Tester 3.29

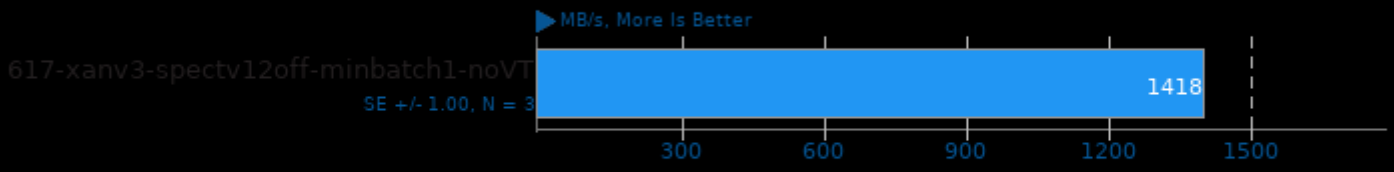
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Flexible IO Tester 3.29

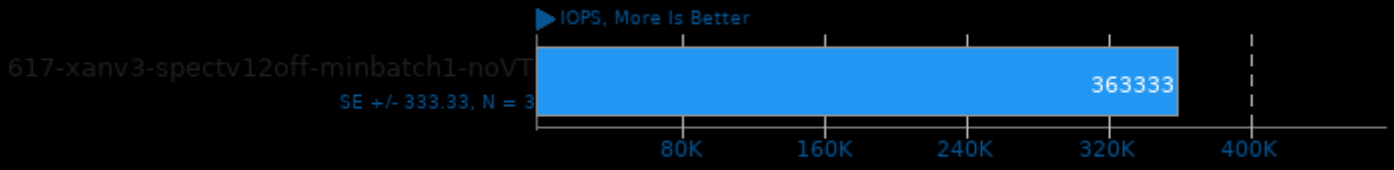
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Flexible IO Tester 3.29

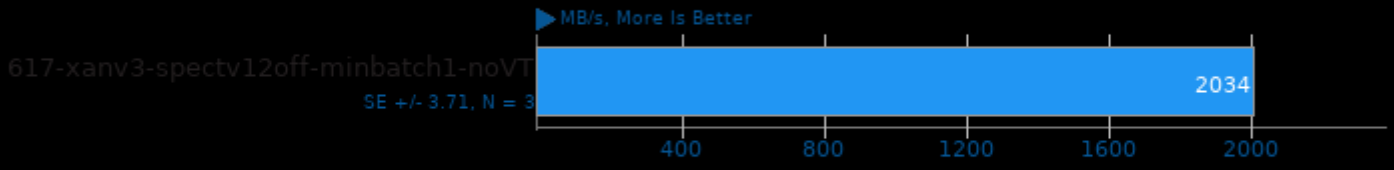
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Flexible IO Tester 3.29

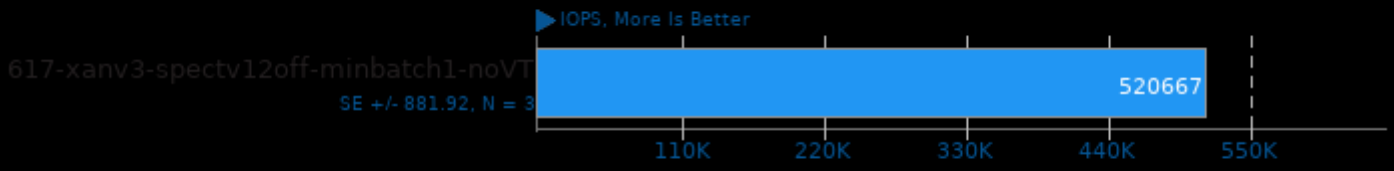
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Flexible IO Tester 3.29

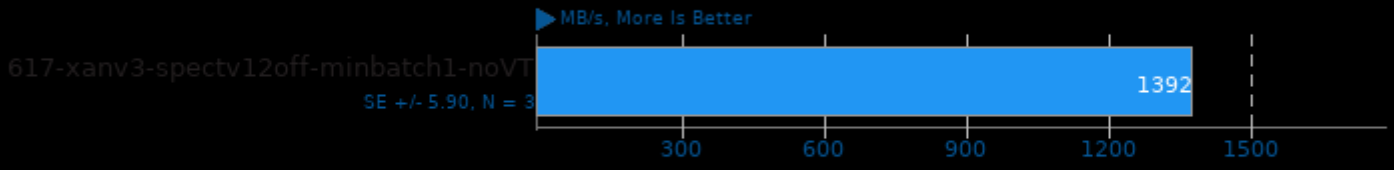
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Flexible IO Tester 3.29

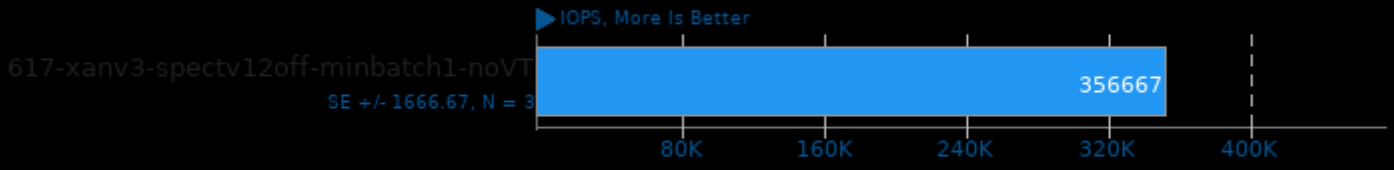
Type: Random Write - Engine: Linux AIO - Buffered: Yes - Direct: No - Block Size: 4KB - Disk Target: /home



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Flexible IO Tester 3.29

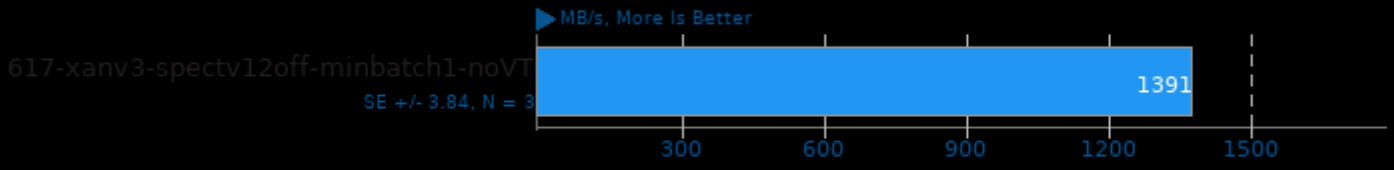
Type: Random Write - Engine: Linux AIO - Buffered: Yes - Direct: No - Block Size: 4KB - Disk Target: /home



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Flexible IO Tester 3.29

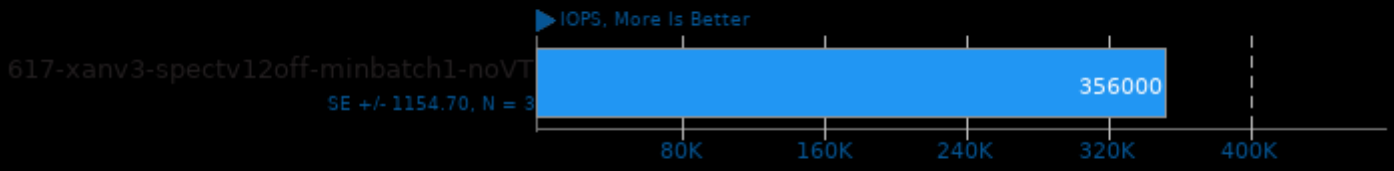
Type: Random Write - Engine: Linux AIO - Buffered: Yes - Direct: Yes - Block Size: 4KB - Disk Target: /home



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Flexible IO Tester 3.29

Type: Random Write - Engine: Linux AIO - Buffered: Yes - Direct: Yes - Block Size: 4KB - Disk Target: /home

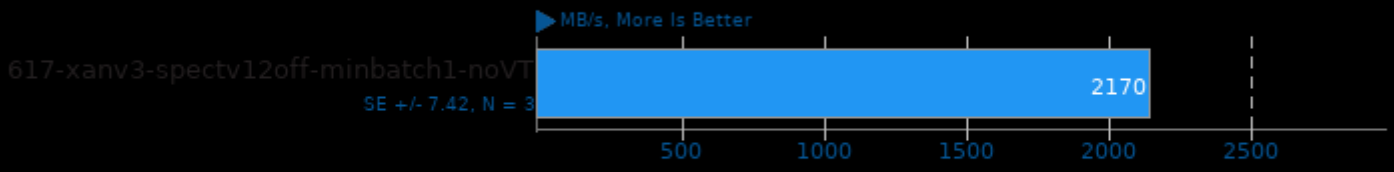


1. (CC) gcc options: -rdynamic -ll -lz -lm -lpthread -ldl -laio -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native

617-xanv3-spectv12off-minbatch1-noVT

Flexible IO Tester 3.29

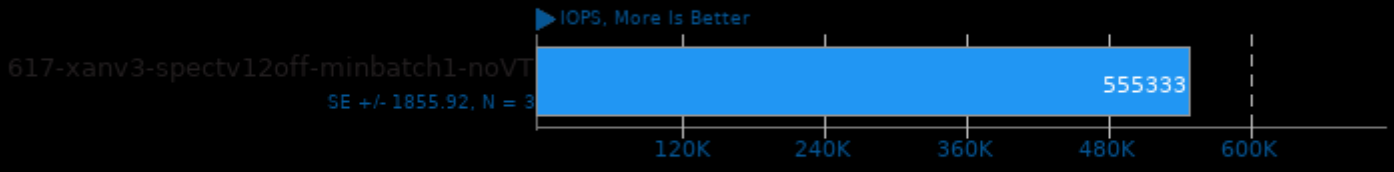
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1. (CC) gcc options: -rdynamic -ll -lz -lm -lpthread -ldl -laio -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native

Flexible IO Tester 3.29

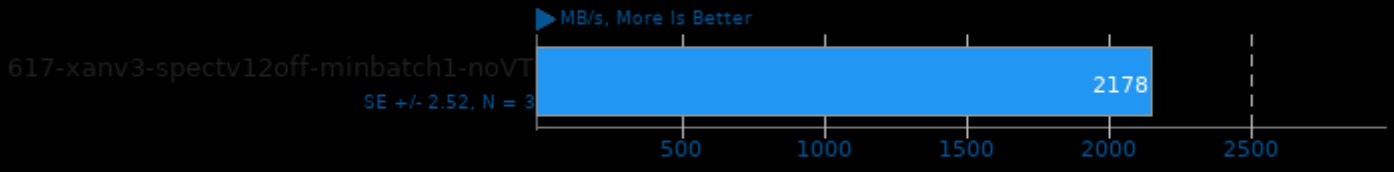
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Flexible IO Tester 3.29

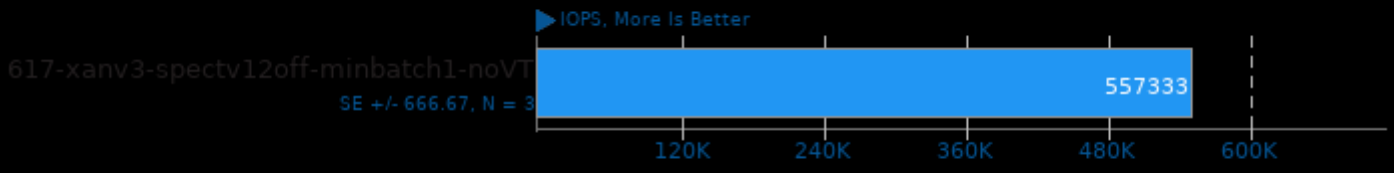
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Flexible IO Tester 3.29

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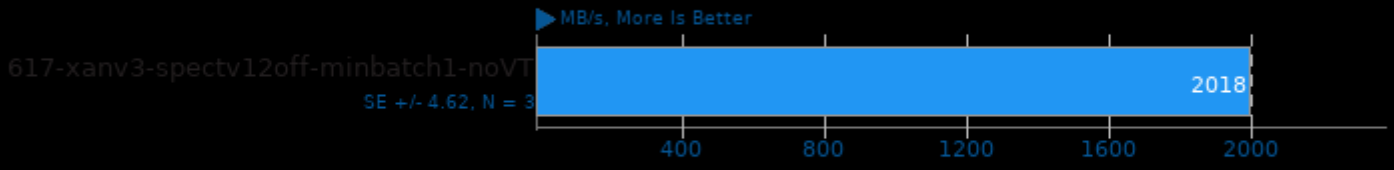


1. (CC) gcc options: -rdynamic -ll -lz -lm -lpthread -ldl -laio -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native

617-xanv3-spectv12off-minbatch1-noVT

Flexible IO Tester 3.29

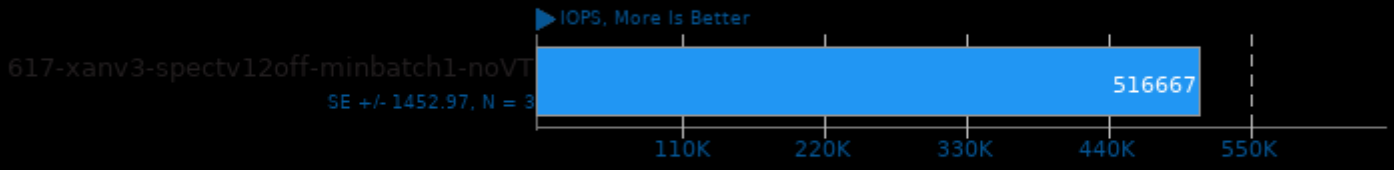
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Flexible IO Tester 3.29

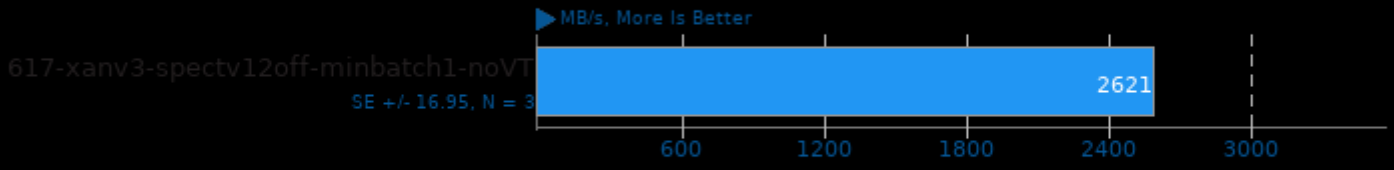
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Flexible IO Tester 3.29

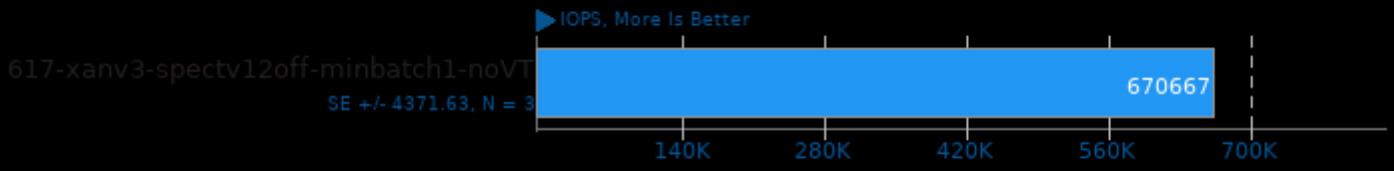
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Flexible IO Tester 3.29

Type: Sequential Read - Engine: Linux AIO - Buffered: No - Direct: No - Block Size: 4KB - Disk Target: /home

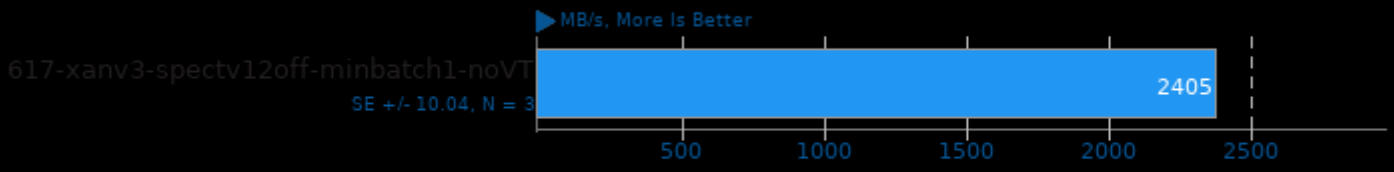


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617-xanv3-spectv12off-minbatch1-noVT

Flexible IO Tester 3.29

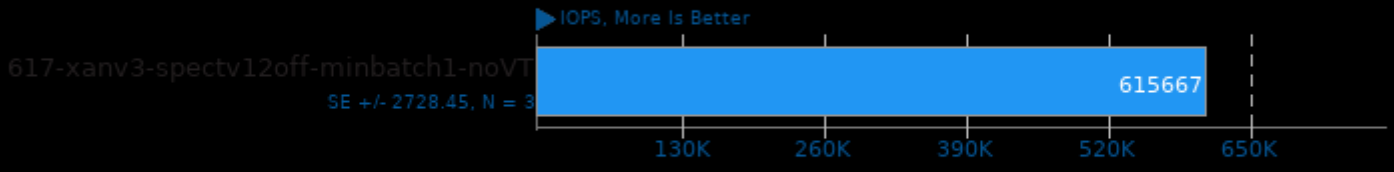
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Flexible IO Tester 3.29

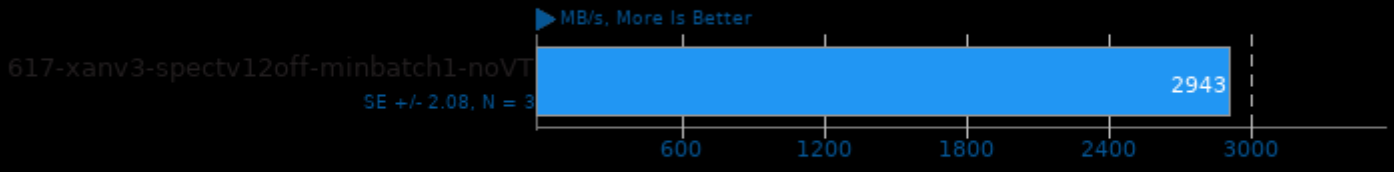
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Flexible IO Tester 3.29

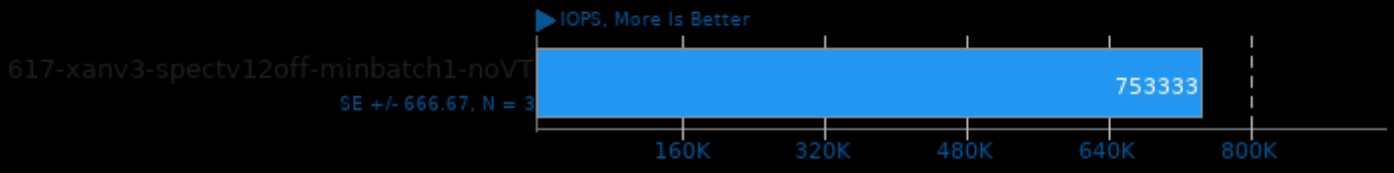
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Flexible IO Tester 3.29

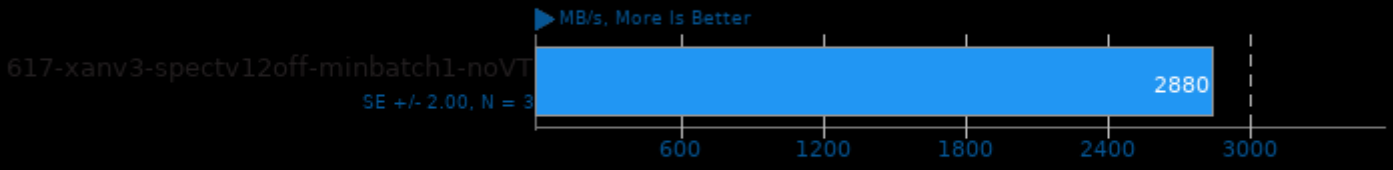
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Flexible IO Tester 3.29

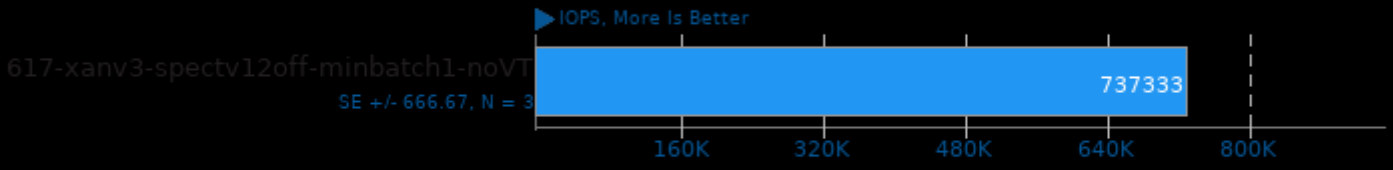
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Flexible IO Tester 3.29

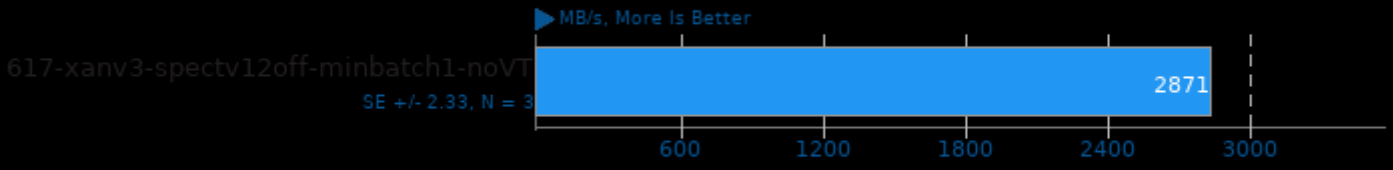
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Flexible IO Tester 3.29

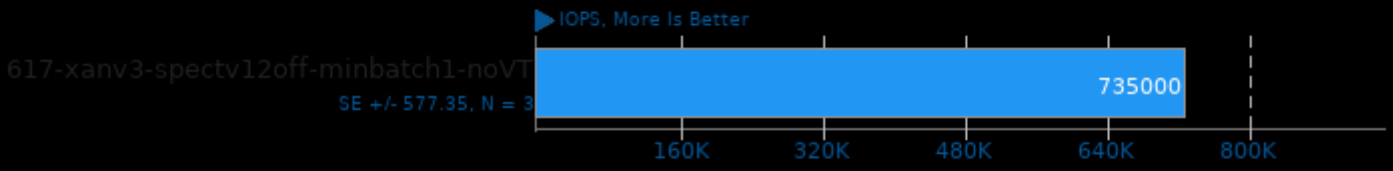
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Flexible IO Tester 3.29

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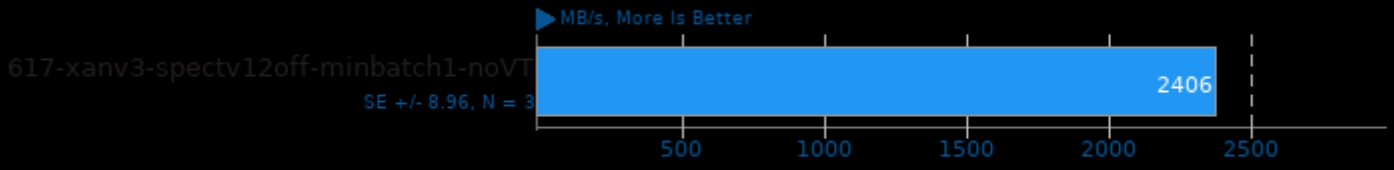


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617-xanv3-spectv12off-minbatch1-noVT

Flexible IO Tester 3.29

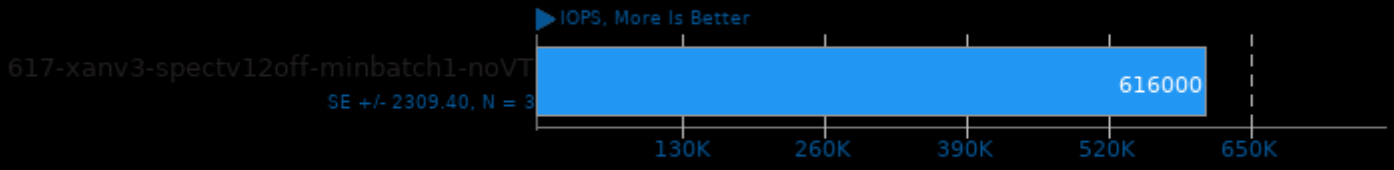
Type: Sequential Write - Engine: IO_uring - Buffered: No - Direct: Yes - Block Size: 4KB - Disk Target: /home



1. (CC) gcc options: -rdynamic -ll -lz -lm -lpthread -ldl -laio -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native

Flexible IO Tester 3.29

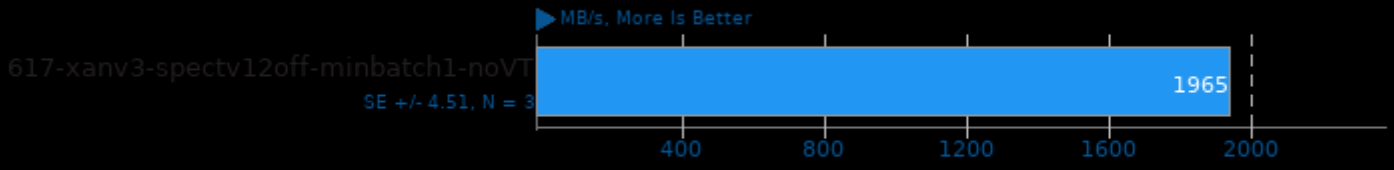
Type: Sequential Write - Engine: IO_uring - Buffered: No - Direct: Yes - Block Size: 4KB - Disk Target: /home



1. (CC) gcc options: -rdynamic -ll -lz -lm -lpthread -ldl -laio -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native

Flexible IO Tester 3.29

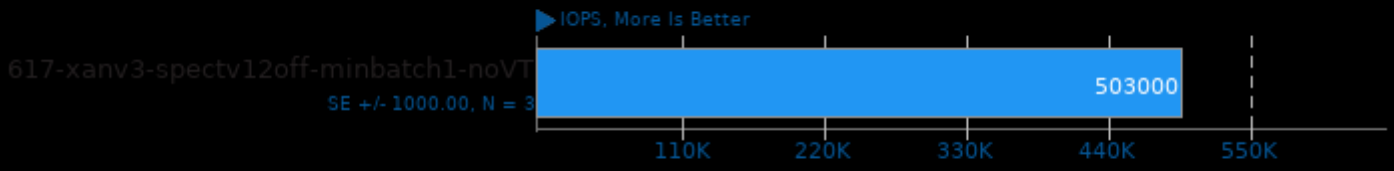
Type: Sequential Write - Engine: IO_uring - Buffered: Yes - Direct: No - Block Size: 4KB - Disk Target: /home



1. (CC) gcc options: -rdynamic -ll -lz -lm -lpthread -ldl -laio -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native

Flexible IO Tester 3.29

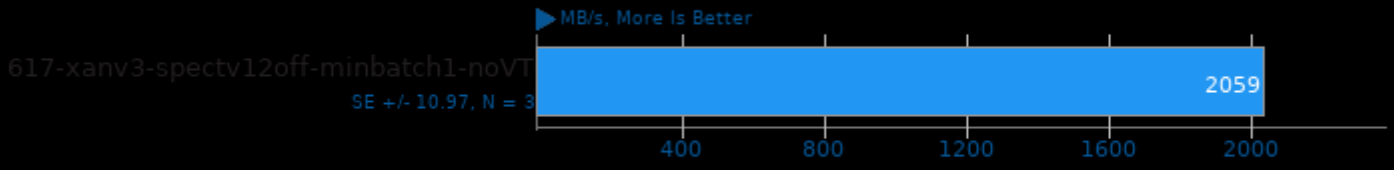
Type: Sequential Write - Engine: IO_uring - Buffered: Yes - Direct: No - Block Size: 4KB - Disk Target: /home



1. (CC) gcc options: -rdynamic -ll -lz -lm -lpthread -ldl -laio -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native

Flexible IO Tester 3.29

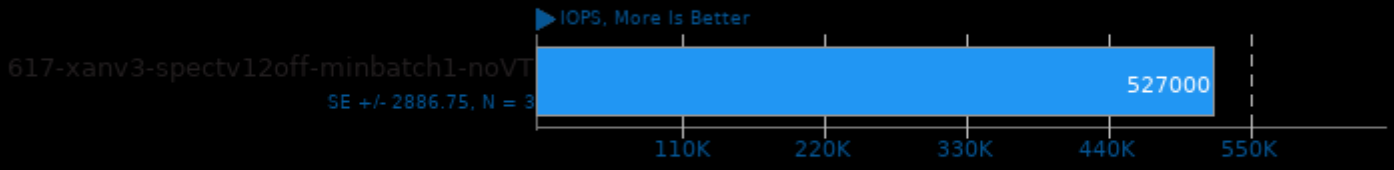
Type: Sequential Write - Engine: Linux AIO - Buffered: No - Direct: No - Block Size: 4KB - Disk Target: /home



1. (CC) gcc options: -rdynamic -ll -lz -lm -lpthread -ldl -laio -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native

Flexible IO Tester 3.29

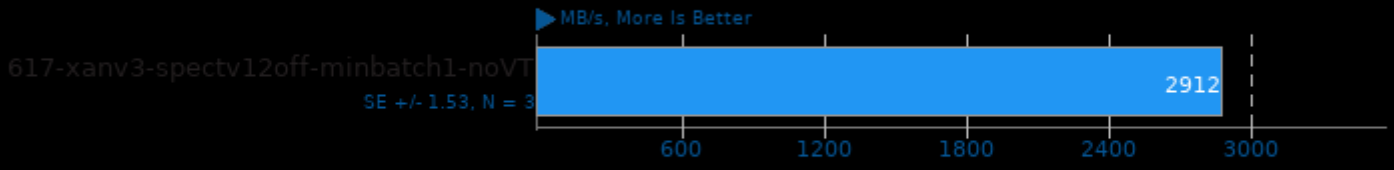
Type: Sequential Write - Engine: Linux AIO - Buffered: No - Direct: No - Block Size: 4KB - Disk Target: /home



1. (CC) gcc options: -rdynamic -ll -lz -lm -lpthread -ldl -laio -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native

Flexible IO Tester 3.29

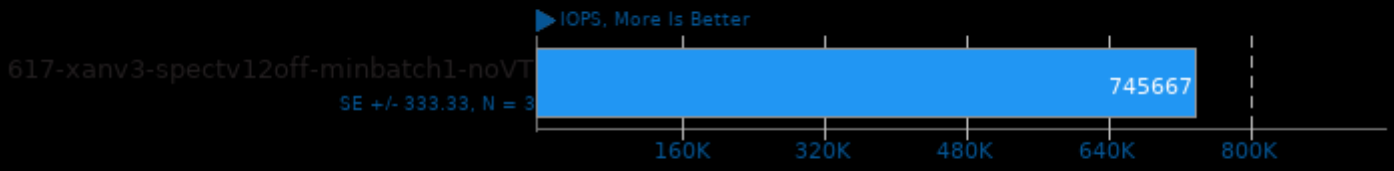
Type: Sequential Read - Engine: Linux AIO - Buffered: Yes - Direct: Yes - Block Size: 4KB - Disk Target: /home



1. (CC) gcc options: -rdynamic -ll -lz -lm -lpthread -ldl -laio -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native

Flexible IO Tester 3.29

Type: Sequential Read - Engine: Linux AIO - Buffered: Yes - Direct: Yes - Block Size: 4KB - Disk Target: /home

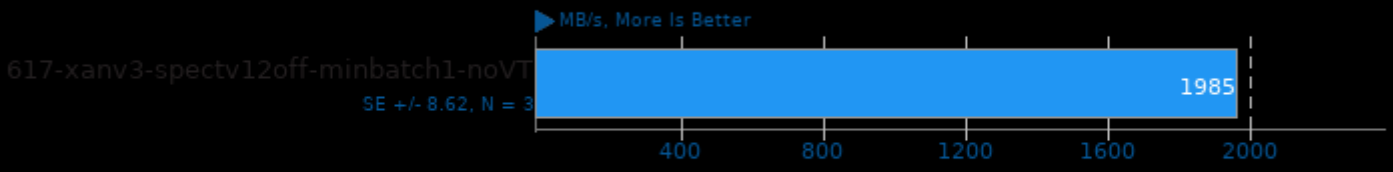


1. (CC) gcc options: -rdynamic -ll -lz -lm -lpthread -ldl -laio -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native

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Flexible IO Tester 3.29

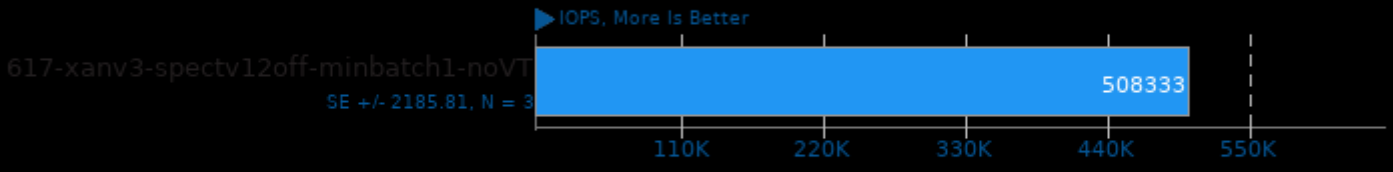
Type: Sequential Write - Engine: IO_uring - Buffered: Yes - Direct: Yes - Block Size: 4KB - Disk Target: /home



1. (CC) gcc options: -rdynamic -ll -lz -lm -lpthread -ldl -laio -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native

Flexible IO Tester 3.29

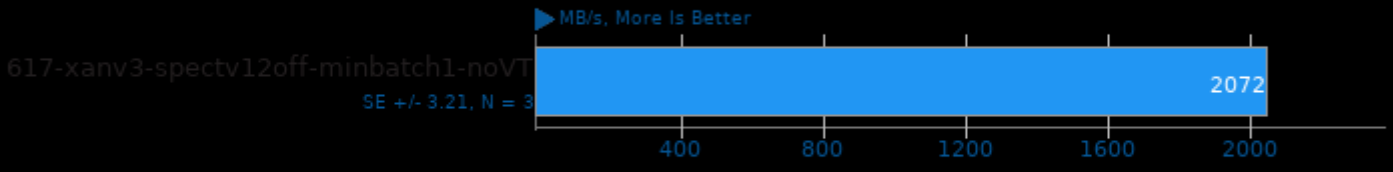
Type: Sequential Write - Engine: IO_uring - Buffered: Yes - Direct: Yes - Block Size: 4KB - Disk Target: /home



1. (CC) gcc options: -rdynamic -ll -lz -lm -lpthread -ldl -laio -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native

Flexible IO Tester 3.29

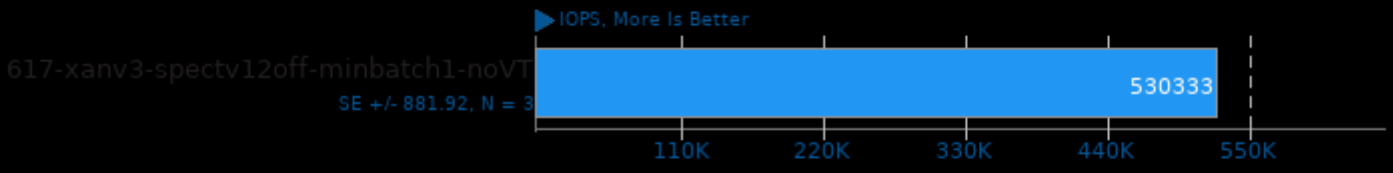
Type: Sequential Write - Engine: Linux AIO - Buffered: No - Direct: Yes - Block Size: 4KB - Disk Target: /home



1. (CC) gcc options: -rdynamic -ll -lz -lm -lpthread -ldl -laio -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native

Flexible IO Tester 3.29

Type: Sequential Write - Engine: Linux AIO - Buffered: No - Direct: Yes - Block Size: 4KB - Disk Target: /home

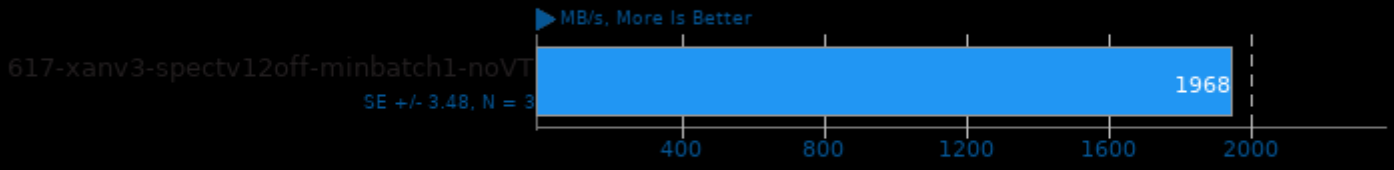


1. (CC) gcc options: -rdynamic -ll -lz -lm -lpthread -ldl -laio -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native

617-xanv3-spectv12off-minbatch1-noVT

Flexible IO Tester 3.29

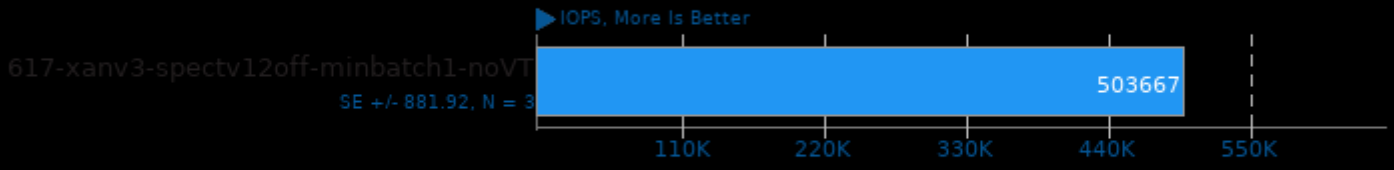
Type: Sequential Write - Engine: Linux AIO - Buffered: Yes - Direct: No - Block Size: 4KB - Disk Target: /home



1. (CC) gcc options: -rdynamic -ll -lz -lm -lpthread -ldl -laio -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native

Flexible IO Tester 3.29

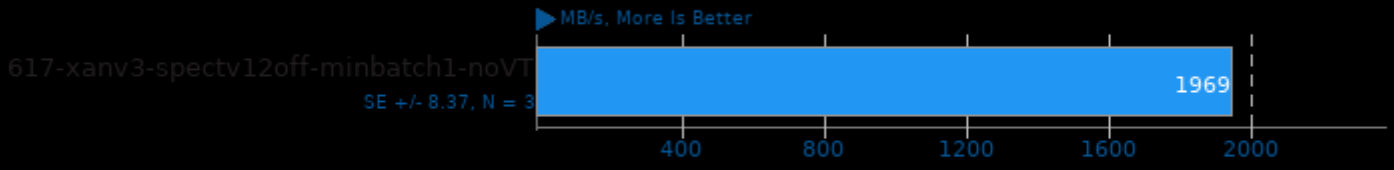
Type: Sequential Write - Engine: Linux AIO - Buffered: Yes - Direct: No - Block Size: 4KB - Disk Target: /home



1. (CC) gcc options: -rdynamic -ll -lz -lm -lpthread -ldl -laio -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native

Flexible IO Tester 3.29

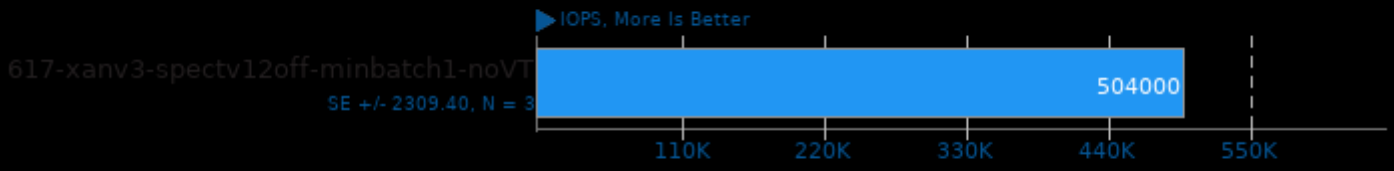
Type: Sequential Write - Engine: Linux AIO - Buffered: Yes - Direct: Yes - Block Size: 4KB - Disk Target: /home



1. (CC) gcc options: -rdynamic -ll -lz -lm -lpthread -ldl -laio -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native

Flexible IO Tester 3.29

Type: Sequential Write - Engine: Linux AIO - Buffered: Yes - Direct: Yes - Block Size: 4KB - Disk Target: /home

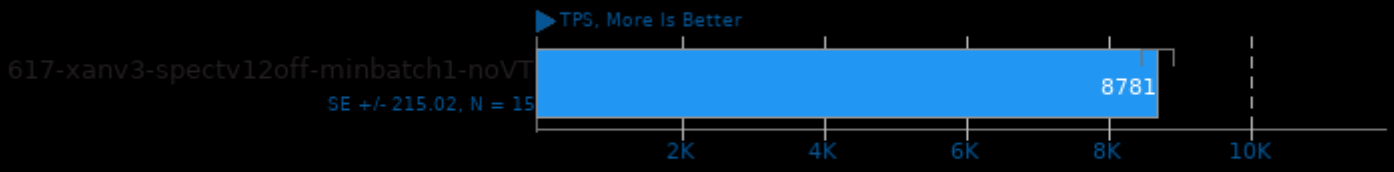


1. (CC) gcc options: -rdynamic -ll -lz -lm -lpthread -ldl -laio -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native

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PostMark 1.51

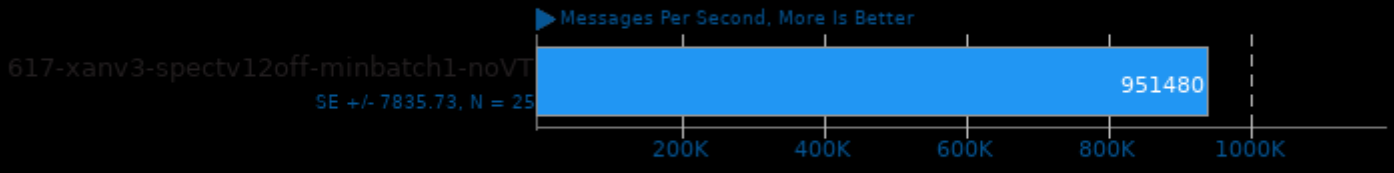
Disk Transaction Performance



1. (CC) gcc options: -O3

Sockperf 3.7

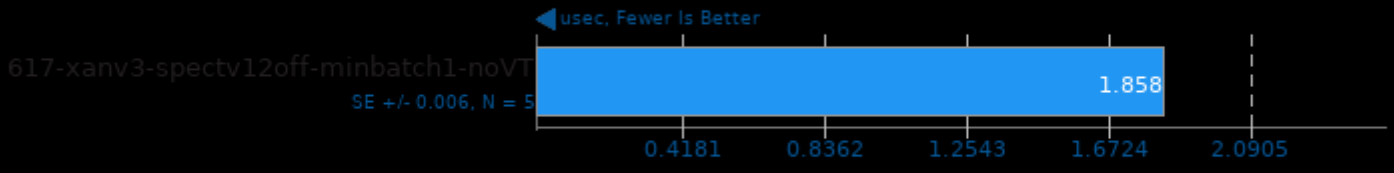
Test: Throughput



1. (CXX) g++ options: -param -O3 -rdynamic

Sockperf 3.7

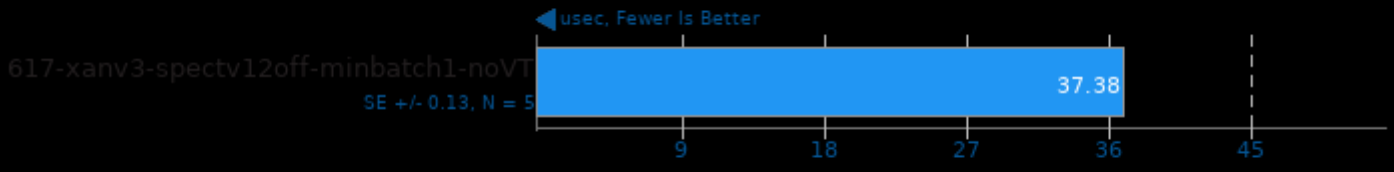
Test: Latency Ping Pong



1. (CXX) g++ options: -param -O3 -rdynamic

Sockperf 3.7

Test: Latency Under Load



1. (CXX) g++ options: -param -O3 -rdynamic

Stress-NG 0.14.06

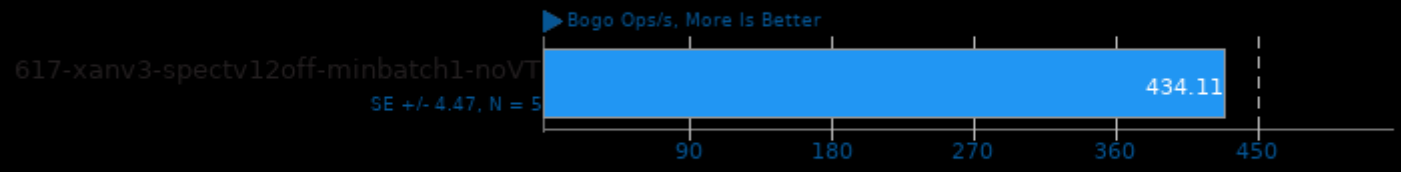
Test: MMAP



1. (CC) gcc options: -O2 -std=gnu99 -lm -fuse-ld=gold -laio -latomic -lc -lcrypt -ldl -lrt -lz -pthread

Stress-NG 0.14.06

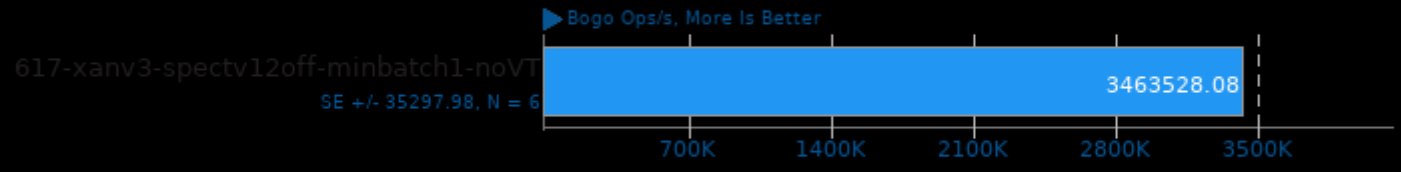
Test: NUMA



1. (CC) gcc options: -O2 -std=gnu99 -lm -fuse-ld=gold -laio -latomic -lc -lcrypt -ldl -lrt -lz -pthread

Stress-NG 0.14.06

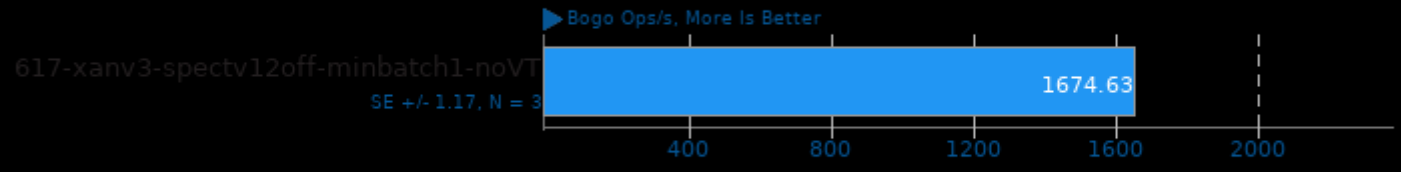
Test: Futex



1. (CC) gcc options: -O2 -std=gnu99 -lm -fuse-ld=gold -laio -latomic -lc -lcrypt -ldl -lrt -lz -pthread

Stress-NG 0.14.06

Test: MEMFD



1. (CC) gcc options: -O2 -std=gnu99 -lm -fuse-ld=gold -laio -latomic -lc -lcrypt -ldl -lrt -lz -pthread

Stress-NG 0.14.06

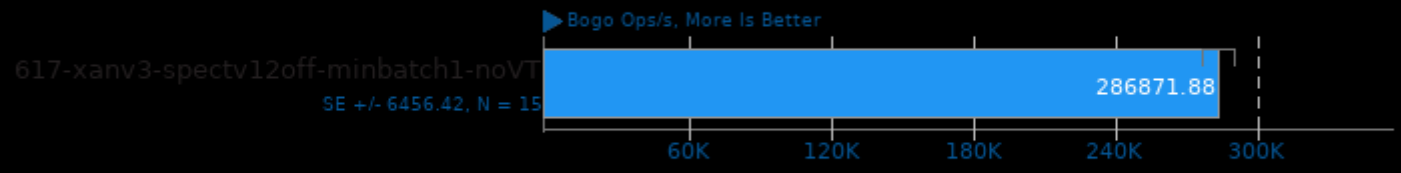
Test: Mutex



1. (CC) gcc options: -O2 -std=gnu99 -lm -fuse-ld=gold -laio -latomic -lc -lcrypt -ldl -lrt -lz -pthread

Stress-NG 0.14.06

Test: Atomic

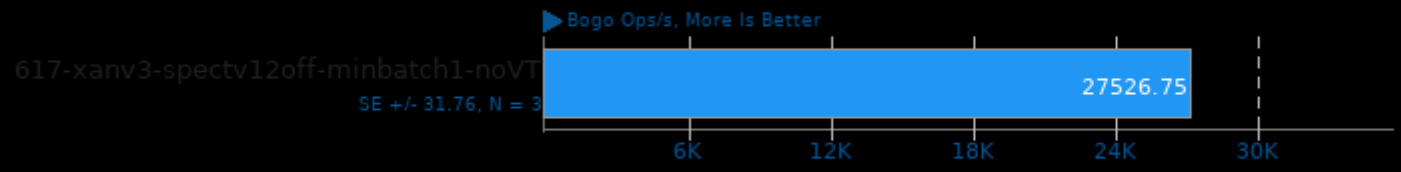


1. (CC) gcc options: -O2 -std=gnu99 -lm -fuse-ld=gold -laio -latomic -lc -lcrypt -ldl -lrt -lz -pthread

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Stress-NG 0.14.06

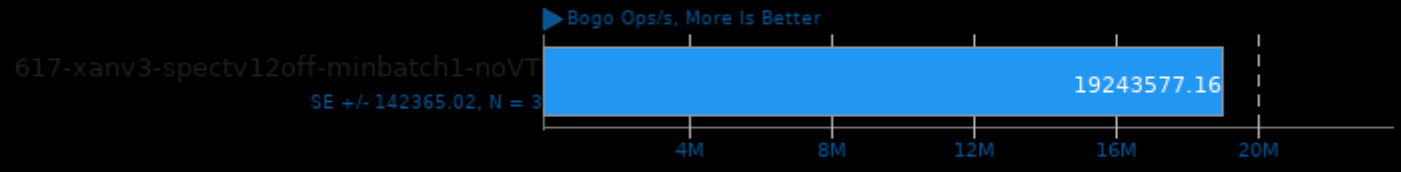
Test: Crypto



1. (CC) gcc options: -O2 -std=gnu99 -lm -fuse-ld=gold -laio -latomic -lc -lcrypt -ldl -lrt -lz -pthread

Stress-NG 0.14.06

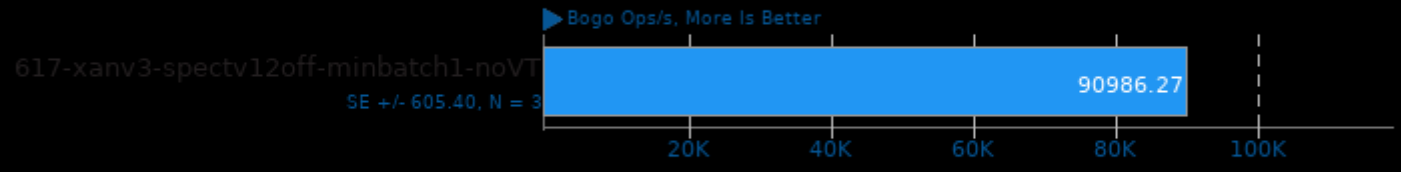
Test: Malloc



1. (CC) gcc options: -O2 -std=gnu99 -lm -fuse-ld=gold -laio -latomic -lc -lcrypt -ldl -lrt -lz -pthread

Stress-NG 0.14.06

Test: Forking



1. (CC) gcc options: -O2 -std=gnu99 -lm -fuse-ld=gold -laio -latomic -lc -lcrypt -ldl -lrt -lz -pthread

Stress-NG 0.14.06

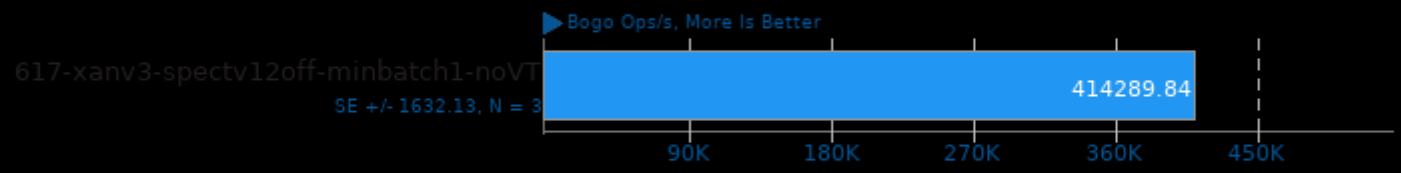
Test: IO_uring



1. (CC) gcc options: -O2 -std=gnu99 -lm -fuse-ld=gold -laio -latomic -lc -lcrypt -ldl -lrt -lz -pthread

Stress-NG 0.14.06

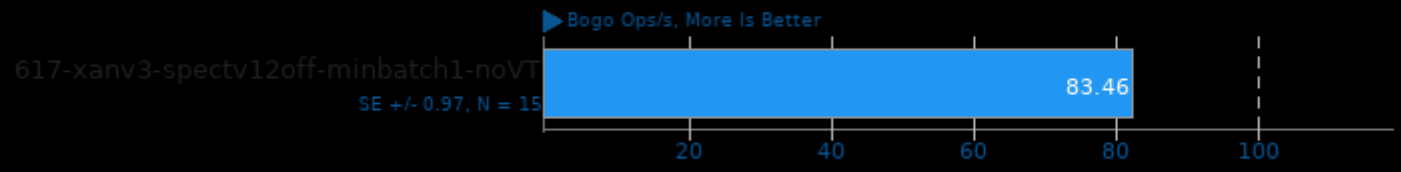
Test: SENDFILE



1. (CC) gcc options: -O2 -std=gnu99 -lm -fuse-ld=gold -laio -latomic -lc -lcrypt -ldl -lrt -lz -pthread

Stress-NG 0.14.06

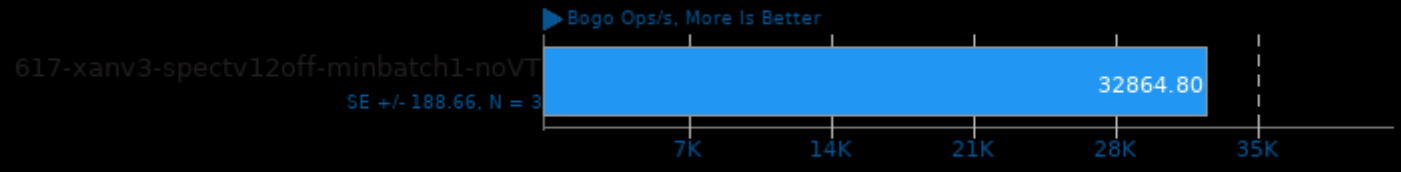
Test: CPU Cache



1. (CC) gcc options: -O2 -std=gnu99 -lm -fuse-ld=gold -laio -latomic -lc -lcrypt -ldl -lrt -lz -pthread

Stress-NG 0.14.06

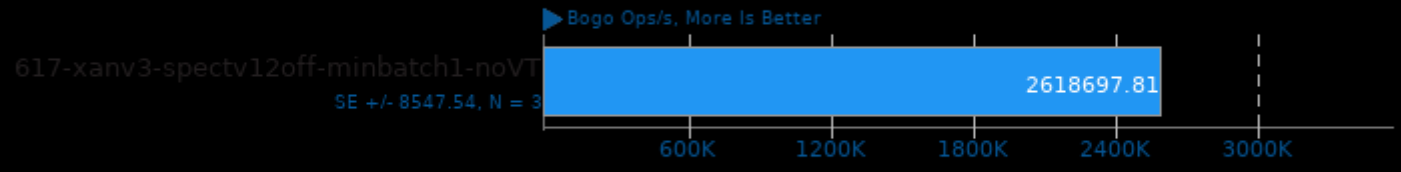
Test: CPU Stress



1. (CC) gcc options: -O2 -std=gnu99 -lm -fuse-ld=gold -laio -latomic -lc -lcrypt -ldl -lrt -lz -pthread

Stress-NG 0.14.06

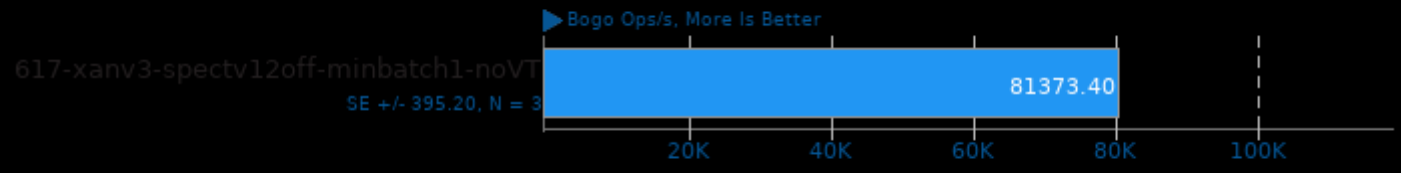
Test: Semaphores



1. (CC) gcc options: -O2 -std=gnu99 -lm -fuse-ld=gold -laio -latomic -lc -lcrypt -ldl -lrt -lz -pthread

Stress-NG 0.14.06

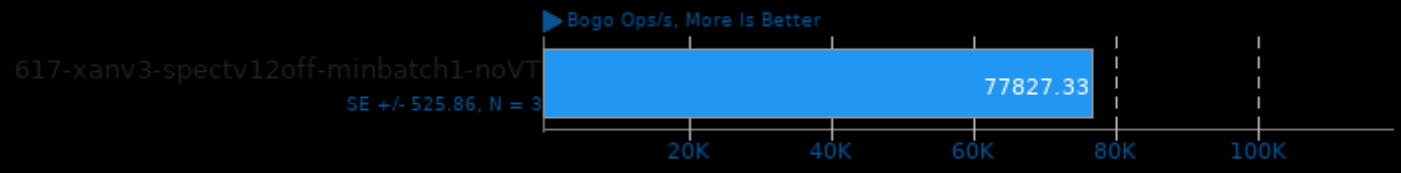
Test: Matrix Math



1. (CC) gcc options: -O2 -std=gnu99 -lm -fuse-ld=gold -laio -latomic -lc -lcrypt -ldl -lrt -lz -pthread

Stress-NG 0.14.06

Test: Vector Math

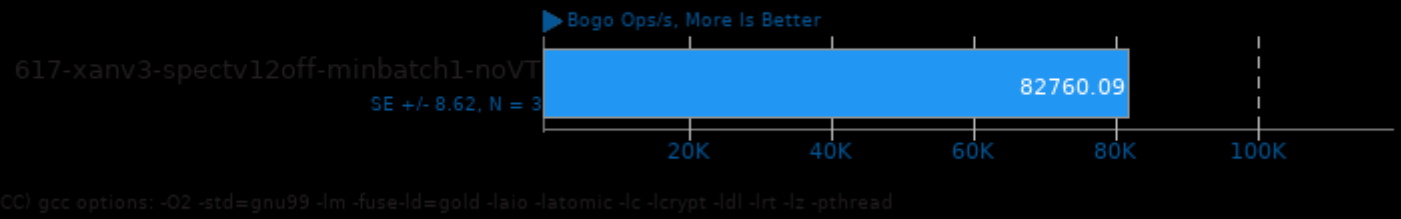


1. (CC) gcc options: -O2 -std=gnu99 -lm -fuse-ld=gold -laio -latomic -lc -lcrypt -ldl -lrt -lz -pthread

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Stress-NG 0.14.06

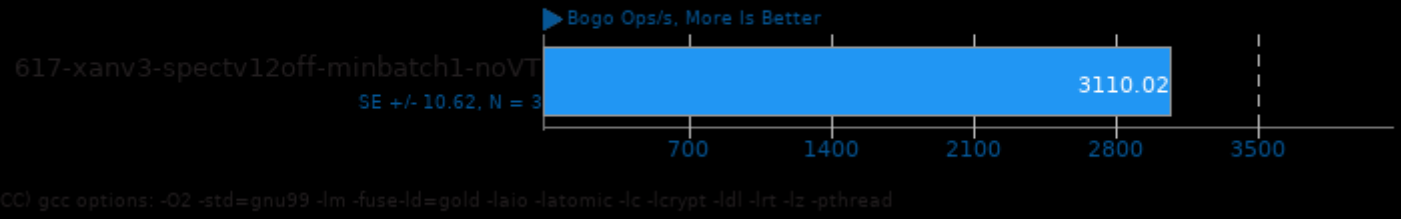
Test: x86_64 RdRand



1. (CC) gcc options: -O2 -std=gnu99 -lm -fuse-ld=gold -laio -latomic -lc -lcrypt -ldl -lrt -lz -pthread

Stress-NG 0.14.06

Test: Memory Copying



1. (CC) gcc options: -O2 -std=gnu99 -lm -fuse-ld=gold -laio -latomic -lc -lcrypt -ldl -lrt -lz -pthread

Stress-NG 0.14.06

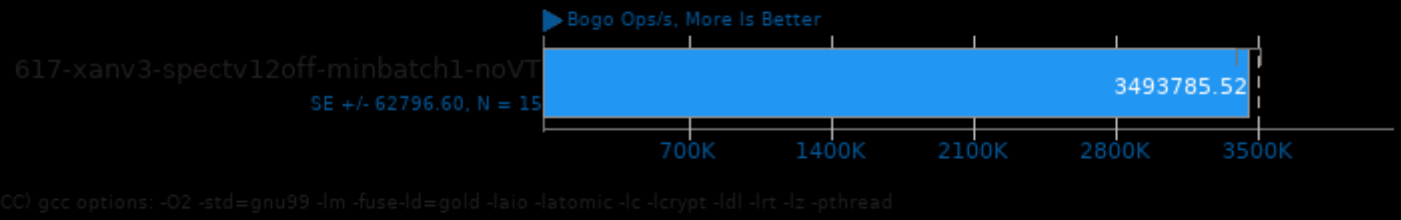
Test: Socket Activity



1. (CC) gcc options: -O2 -std=gnu99 -lm -fuse-ld=gold -laio -latomic -lc -lcrypt -ldl -lrt -lz -pthread

Stress-NG 0.14.06

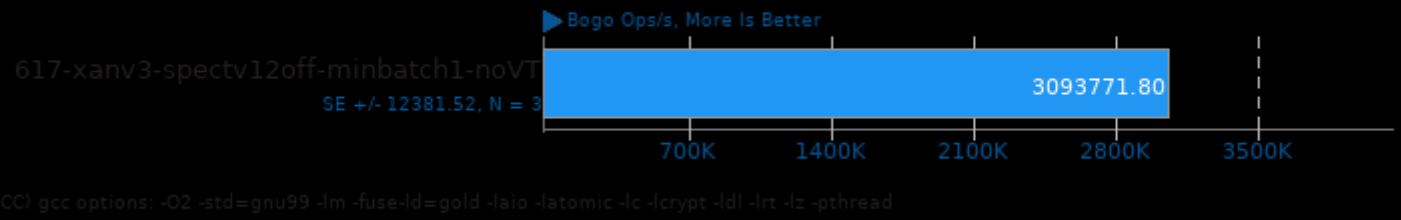
Test: Context Switching



1. (CC) gcc options: -O2 -std=gnu99 -lm -fuse-ld=gold -laio -latomic -lc -lcrypt -ldl -lrt -lz -pthread

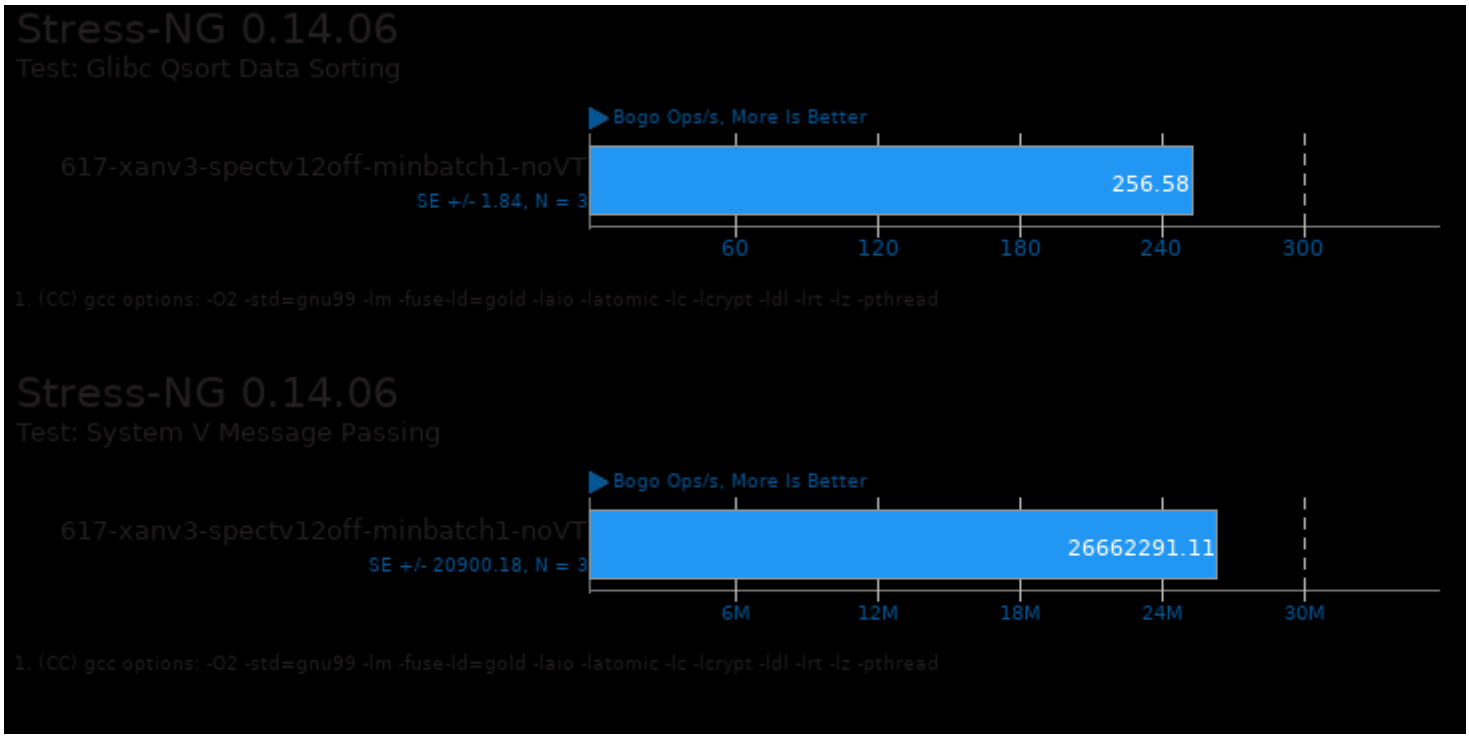
Stress-NG 0.14.06

Test: Glibc C String Functions



1. (CC) gcc options: -O2 -std=gnu99 -lm -fuse-ld=gold -laio -latomic -lc -lcrypt -ldl -lrt -lz -pthread

617-xanv3-spectv12off-minbatch1-noVT



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