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## 20211003003-tumbes-debian

Debian, tumbes, pts/build-apache pts/build-ffmpeg pts/build-gdb pts/build-imagemagick pts/build-linux-kernel pts/build-llvm pts/build-mplayer pts/build-php pts/cryptopp pts/dbench pts/gcrypt pts/gnupg pts/intel-mlc pts/mperf pts/npb pts/perf-bench pts/phpbench pts/scimark2 pts/leveldb pts/compilebench pts/compress-7zip pts/compress-xz pts/compress-zstd pts/cpp-perf-bench pts/apache pts/redis pts/openssl pts/nginx pts/sqlite-speedtest pts/john-the-ripper

### Test Systems:

#### 20211003003-tumbes-debian

Processor: 2 x AMD EPYC 7453 28-Core @ 2.75GHz (56 Cores / 112 Threads), Motherboard: Supermicro H12DSU-iN v1.01 (2.1 BIOS), Chipset: AMD Starship/Matisse, Memory: 16 x 64 GB DDR4-3200MT/s HMAA8GR7AJR4N-XN, Disk: 15361GB KCM6XRUL15T3 + 2 x 960GB INTEL SSDSC2KB96 + 7 x 18000GB WUH721818AL5204, Graphics: ASPEED, Network: 2 x Intel X710 for 10GBASE-T + 2 x Mellanox MT27710

OS: Debian 11, Kernel: 5.10.0-8-amd64 (x86\_64), Vulkan: 1.0.2, Compiler: GCC 10.2.1 20210110, File-System: xfs, Screen Resolution: 1024x768

Kernel Notes: Transparent Huge Pages: always  
 Compiler Notes: --build=x86\_64-linux-gnu --disable-vtable-verify --disable-werror --enable-bootstrap --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-gnu-unique-object --enable-languages=c,ada,c++,go,brig,d,fortran,objc,obj-c++,m2 --enable-libphobos-checking=release --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-link-mutex --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc=auto --enable-offload-targets=nvptx-none=/build/gcc-10-Km9U7s/gcc-10-10.2.1/debian/tmp-nvptx/usr,amdgcn-amdhsa=/build/gcc-10-Km9U7s/gcc-10-10.2.1/debian/tmp-gcn/usr,hsa --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-build-config=bootstrap-lto-lean --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 / attr2,inode64,logbsize=32k,logbufs=8,noquota,relatime,rw / Block Size: 4096  
 Processor Notes: Scaling Governor: acpi-cpufreq schedutil (Boost: Enabled) - CPU Microcode: 0xa00111d  
 Python Notes: Python 3.9.2  
 Security Notes: itlb\_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + spec\_store\_bypass: Mitigation of SSB disabled via prctl and seccomp + spectre\_v1: Mitigation of usercopy/swapgs barriers and \_\_user pointer sanitization + spectre\_v2: Mitigation of Full AMD retpoline IBPB: conditional IBRS\_FW STIBP: always-on RSB filling + srbd: Not affected + tsx\_async\_abort: Not affected

## 20211003003-tumbes-debian

<b>LevelDB - Hot Read (us/Op)</b>	153.875
Standard Deviation	3.6%
<b>LevelDB - Fill Sync (MB/s)</b>	5.9
Standard Deviation	1.7%
<b>LevelDB - Fill Sync (us/Op)</b>	2079
Standard Deviation	2.2%
<b>LevelDB - Overwrite (MB/s)</b>	11.9
Standard Deviation	0.5%
<b>LevelDB - Overwrite (us/Op)</b>	1041
Standard Deviation	0.6%
<b>LevelDB - Rand Fill (MB/s)</b>	11.9
Standard Deviation	0.5%
<b>LevelDB - Rand Fill (us/Op)</b>	1044
Standard Deviation	0.5%
<b>LevelDB - Rand Read (us/Op)</b>	156.914
Standard Deviation	1.7%
<b>LevelDB - Seek Rand (us/Op)</b>	262.164
Standard Deviation	2.1%
<b>LevelDB - Rand Delete (us/Op)</b>	978.331
Standard Deviation	0.5%
<b>LevelDB - Seq Fill (MB/s)</b>	12.0
Standard Deviation	0.5%
<b>LevelDB - Seq Fill (us/Op)</b>	1027
Standard Deviation	0.5%
<b>Dbench - 1 (MB/s)</b>	693.487
Standard Deviation	4.1%
<b>Dbench - 6 (MB/s)</b>	2163
Standard Deviation	0.6%
<b>Dbench - 12 (MB/s)</b>	2758
Standard Deviation	0.5%
<b>Dbench - 48 (MB/s)</b>	2359
Standard Deviation	0.3%
<b>Dbench - 128 (MB/s)</b>	1542
Standard Deviation	0.1%
<b>Dbench - 256 (MB/s)</b>	1333
Standard Deviation	1.4%
<b>Compile Bench - Compile (MB/s)</b>	3182
Standard Deviation	0.9%

<b>Compile Bench - Initial Create (MB/s)</b>	495.54
Standard Deviation	1.3%
<b>Compile Bench - Read Compiled Tree (MB/s)</b>	1210
Standard Deviation	1.9%
<b>Intel Memory Latency Checker - Idle Latency (ns)</b>	98.1
Standard Deviation	0.2%
<b>Intel Memory Latency Checker - Max Bandwidth - All Reads (MB/s)</b>	287303
Standard Deviation	0.1%
<b>Intel Memory Latency Checker - Max Bandwidth - 3:1 Reads-Writes (MB/s)</b>	275984
Standard Deviation	0.1%
<b>Intel Memory Latency Checker - Max Bandwidth - 2:1 Reads-Writes (MB/s)</b>	280004
Standard Deviation	0.1%
<b>Intel Memory Latency Checker - Max Bandwidth - 1:1 Reads-Writes (MB/s)</b>	280491
Standard Deviation	0%
<b>Intel Memory Latency Checker - Max Bandwidth - Stream-Triad Like (MB/s)</b>	286640
Standard Deviation	0%
<b>Intel Memory Latency Checker - P.I.B - All Reads (MB/s)</b>	287176
Standard Deviation	0.1%
<b>Intel Memory Latency Checker - P.I.B - 3:1 Reads-Writes (MB/s)</b>	275945
Standard Deviation	0%
<b>Intel Memory Latency Checker - P.I.B - 2:1 Reads-Writes (MB/s)</b>	280174
Standard Deviation	0.1%
<b>Intel Memory Latency Checker - P.I.B - 1:1 Reads-Writes (MB/s)</b>	280502
Standard Deviation	0%
<b>Intel Memory Latency Checker - P.I.B - Stream-Triad Like (MB/s)</b>	286201
Standard Deviation	0.1%
<b>perf-bench - Epoll Wait (ops/sec)</b>	2191
Standard Deviation	6.3%
<b>perf-bench - Futex Hash (ops/sec)</b>	2786591
Standard Deviation	0.4%
<b>perf-bench - Memcpy 1MB (GB/sec)</b>	35.086344
Standard Deviation	0.8%
<b>perf-bench - Memset 1MB (GB/sec)</b>	68.007733
Standard Deviation	0.5%
<b>perf-bench - Sched Pipe (ops/sec)</b>	153275
Standard Deviation	0.2%
<b>perf-bench - Futex Lock-Pi (ops/sec)</b>	94
Standard Deviation	3.4%
<b>perf-bench - Syscall Basic (ops/sec)</b>	17288596
Standard Deviation	0.6%
<b>Crypto++ - All Algorithms (MiB/s)</b>	1609
Standard Deviation	0.1%
<b>Crypto++ - Keyed Algorithms (MiB/s)</b>	609.122470
Standard Deviation	0.2%
<b>Crypto++ - Unkeyed Algorithms (MiB/s)</b>	400.210769
Standard Deviation	0.1%
<b>Crypto++ - I.E.C.P.K.A (MiB/s)</b>	4833
Standard Deviation	0.2%

<b>NAS Parallel Benchmarks - BT.C (Mop/s)</b>	146017
Standard Deviation	0.3%
<b>NAS Parallel Benchmarks - CG.C (Mop/s)</b>	24627
Standard Deviation	11.8%
<b>NAS Parallel Benchmarks - EP.C (Mop/s)</b>	4804
Standard Deviation	1.2%
<b>NAS Parallel Benchmarks - EP.D (Mop/s)</b>	4761
Standard Deviation	4.6%
<b>NAS Parallel Benchmarks - FT.C (Mop/s)</b>	88197
Standard Deviation	0.3%
<b>NAS Parallel Benchmarks - IS.D (Mop/s)</b>	2946
Standard Deviation	0.9%
<b>NAS Parallel Benchmarks - LU.C (Mop/s)</b>	121543
Standard Deviation	0.5%
<b>NAS Parallel Benchmarks - MG.C (Mop/s)</b>	83578
Standard Deviation	1.6%
<b>NAS Parallel Benchmarks - SP.B (Mop/s)</b>	84558
Standard Deviation	3.5%
<b>NAS Parallel Benchmarks - SP.C (Mop/s)</b>	67557
Standard Deviation	0.7%
<b>Zstd Compression - 3 - Compression Speed (MB/s)</b>	6685
Standard Deviation	1.8%
<b>Zstd Compression - 8 - Compression Speed (MB/s)</b>	2227
Standard Deviation	1.6%
<b>Zstd Compression - 8 - D.S (MB/s)</b>	3793
<b>Zstd Compression - 19 - Compression Speed (MB/s)</b>	71.9
Standard Deviation	5.2%
<b>Zstd Compression - 19 - D.S (MB/s)</b>	3322
Standard Deviation	0.3%
<b>Zstd Compression - 3, Long Mode - Compression Speed (MB/s)</b>	538.1
Standard Deviation	1%
<b>Zstd Compression - 3, Long Mode - D.S (MB/s)</b>	3948
Standard Deviation	0.8%
<b>Zstd Compression - 8, Long Mode - Compression Speed (MB/s)</b>	536.5
Standard Deviation	4.3%
<b>Zstd Compression - 8, Long Mode - D.S (MB/s)</b>	4139
Standard Deviation	0.4%
<b>Zstd Compression - 19, Long Mode - Compression Speed (MB/s)</b>	34.4
Standard Deviation	3.5%
<b>Zstd Compression - 19, Long Mode - D.S (MB/s)</b>	3377
Standard Deviation	2.2%
<b>SciMark - Composite (Mflops)</b>	620.33
Standard Deviation	0.3%
<b>SciMark - Monte Carlo (Mflops)</b>	137.54
Standard Deviation	4.7%
<b>SciMark - F.F.T (Mflops)</b>	244.86
Standard Deviation	0.6%
<b>SciMark - S.M.M (Mflops)</b>	621.84
Standard Deviation	0.1%
<b>SciMark - D.L.M.F (Mflops)</b>	1105
Standard Deviation	0.1%
<b>SciMark - J.S.O.R (Mflops)</b>	992.80
Standard Deviation	0%

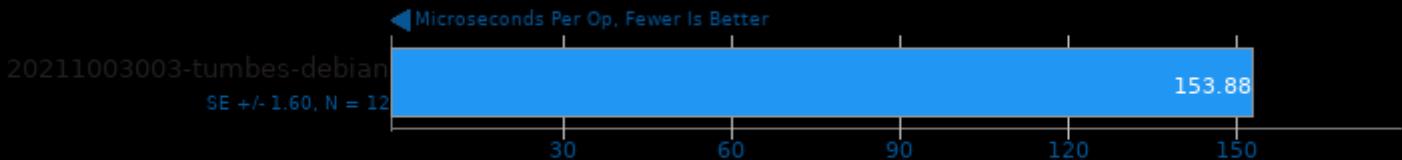
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<b>John The Ripper - Blowfish (Real C/S)</b>	104506
Standard Deviation	0%
<b>John The Ripper - MD5 (Real C/S)</b>	6096000
Standard Deviation	0.3%
<b>7-Zip Compression - C.S.T (MIPS)</b>	334154
Standard Deviation	1.8%
<b>Timed Apache Compilation - Time To Compile (sec)</b>	20.615
Standard Deviation	0.5%
<b>Timed FFmpeg Compilation - Time To Compile (sec)</b>	17.425
Standard Deviation	0.9%
<b>Timed GDB GNU Debugger Compilation - Time To Compile (sec)</b>	59.335
Standard Deviation	1.1%
<b>Timed ImageMagick Compilation - Time To Compile (sec)</b>	14.676
Standard Deviation	3.4%
<b>Timed Linux Kernel Compilation - Time To Compile (sec)</b>	25.097
Standard Deviation	2.9%
<b>Timed LLVM Compilation - Ninja (sec)</b>	152.482
Standard Deviation	0.9%
<b>Timed LLVM Compilation - Unix Makefiles (sec)</b>	219.534
Standard Deviation	0.9%
<b>Timed MPlayer Compilation - Time To Compile (sec)</b>	10.235
Standard Deviation	0.6%
<b>Timed PHP Compilation - Time To Compile (sec)</b>	36.919
Standard Deviation	0.7%
<b>XZ Compression - C.u.1.0.3.s.i.i.C.L.9 (sec)</b>	23.738
Standard Deviation	0.7%
<b>Gcrypt Library (sec)</b>	235.116
Standard Deviation	0.2%
<b>OpenSSL - SHA256 (byte/s)</b>	74462007713
Standard Deviation	0%
<b>OpenSSL - RSA4096 (sign/s)</b>	13150
Standard Deviation	0%
<b>OpenSSL - RSA4096 (verify/s)</b>	858376
Standard Deviation	0%
<b>CppPerformanceBenchmarks - Atol (sec)</b>	50.955
Standard Deviation	0.2%
<b>CppPerformanceBenchmarks - Ctype (sec)</b>	56.676
Standard Deviation	1.8%
<b>CppPerformanceBenchmarks - Math Library (sec)</b>	312.042
Standard Deviation	0%
<b>CppPerformanceBenchmarks - Rand Numbers (sec)</b>	909.450
Standard Deviation	0%
<b>CppPerformanceBenchmarks - Stepanov Vector (sec)</b>	59.823
Standard Deviation	0%
<b>CppPerformanceBenchmarks - Function Objects (sec)</b>	15.927
Standard Deviation	0.1%
<b>CppPerformanceBenchmarks - S.A (sec)</b>	26.627
Standard Deviation	0%
<b>SQLite Speedtest - Timed Time - Size 1,000 (sec)</b>	59.997
Standard Deviation	1.1%
<b>Redis - LPOP (Req/s/sec)</b>	2222411
Standard Deviation	5.5%
<b>Redis - SADD (Req/s/sec)</b>	1836894

Standard Deviation 6.4%  
**Redis - LPUSH (Req/sec)** 1521942  
Standard Deviation 8.8%  
**Redis - GET (Req/sec)** 2146893  
Standard Deviation 7.2%  
**Redis - SET (Req/sec)** 1774088  
Standard Deviation 7.2%  
**PHPBench - P.B.S (Score)** 612418  
Standard Deviation 0.1%  
**GnuPG - 2.7.S.F.E (sec)** 73.795  
Standard Deviation 2.2%

## LevelDB 1.22

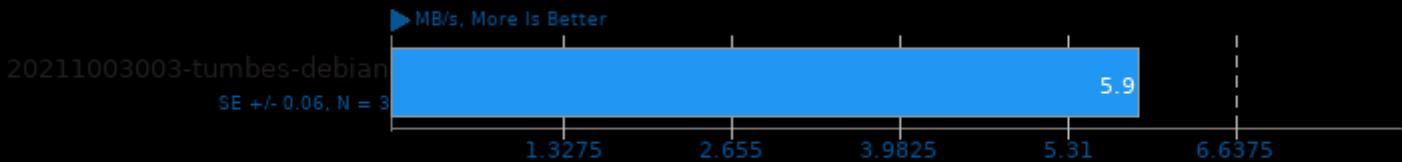
Benchmark: Hot Read



1. (CXX) g++ options: -O3 -lsnappy -lpthread

## LevelDB 1.22

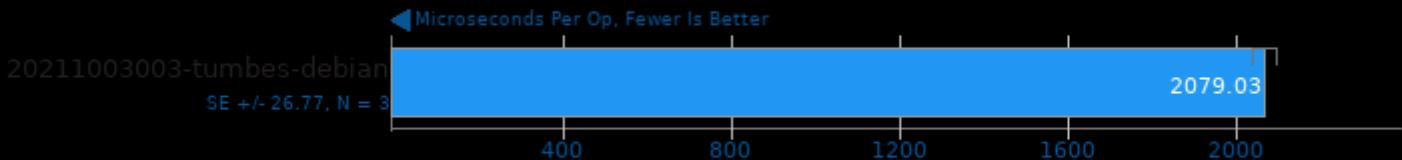
Benchmark: Fill Sync



1. (CXX) g++ options: -O3 -lsnappy -lpthread

## LevelDB 1.22

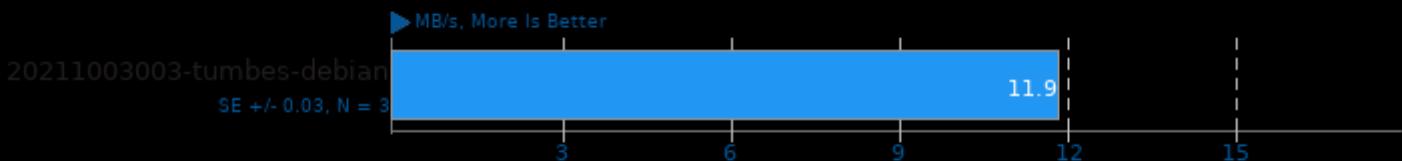
Benchmark: Fill Sync



1. (CXX) g++ options: -O3 -lsnappy -lpthread

## LevelDB 1.22

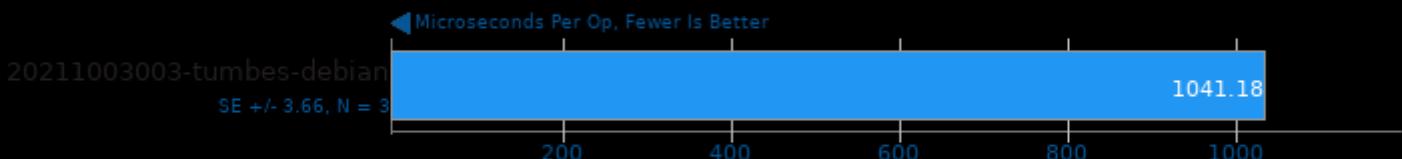
Benchmark: Overwrite



1. (CXX) g++ options: -O3 -lsnappy -lpthread

## LevelDB 1.22

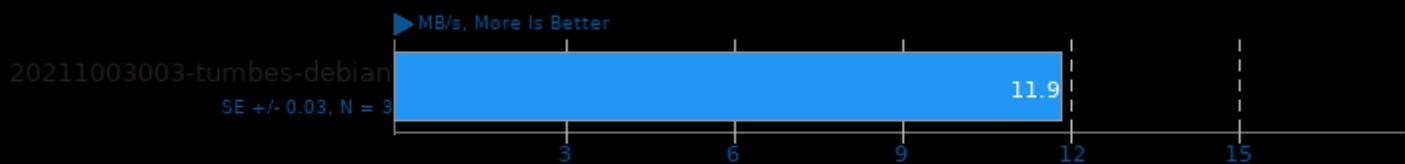
Benchmark: Overwrite



1. (CXX) g++ options: -O3 -lsnappy -lpthread

## LevelDB 1.22

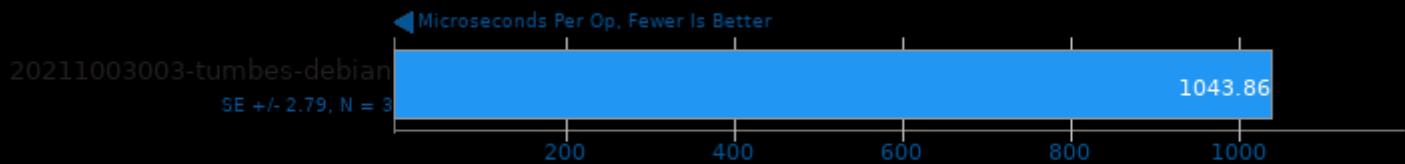
Benchmark: Random Fill



1. (CXX) g++ options: -O3 -lsnappy -lpthread

## LevelDB 1.22

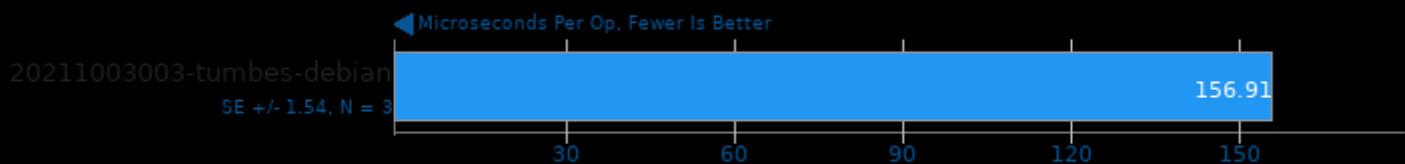
Benchmark: Random Fill



1. (CXX) g++ options: -O3 -lsnappy -lpthread

## LevelDB 1.22

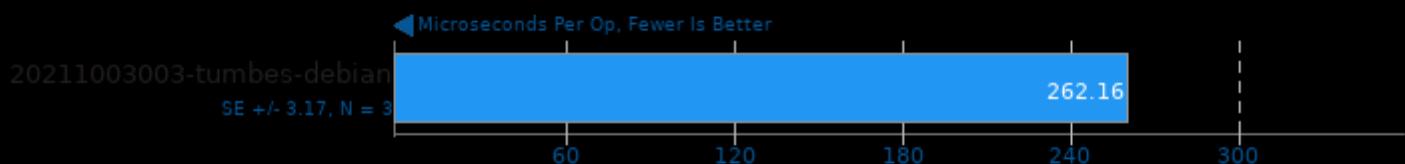
Benchmark: Random Read



1. (CXX) g++ options: -O3 -lsnappy -lpthread

## LevelDB 1.22

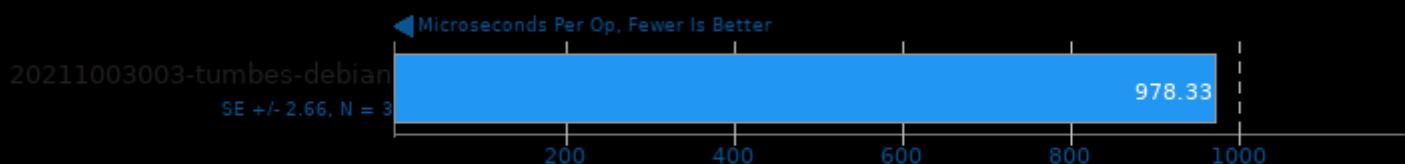
Benchmark: Seek Random



1. (CXX) g++ options: -O3 -lsnappy -lpthread

## LevelDB 1.22

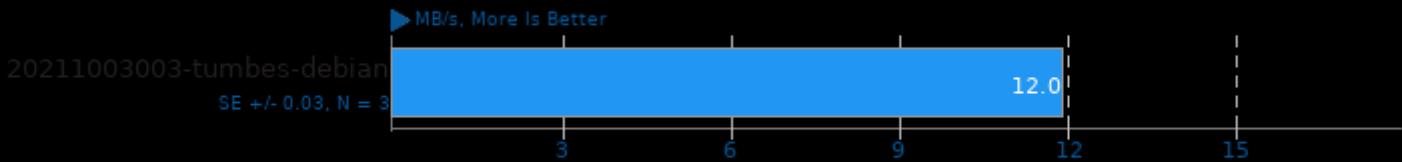
Benchmark: Random Delete



1. (CXX) g++ options: -O3 -lsnappy -lpthread

## LevelDB 1.22

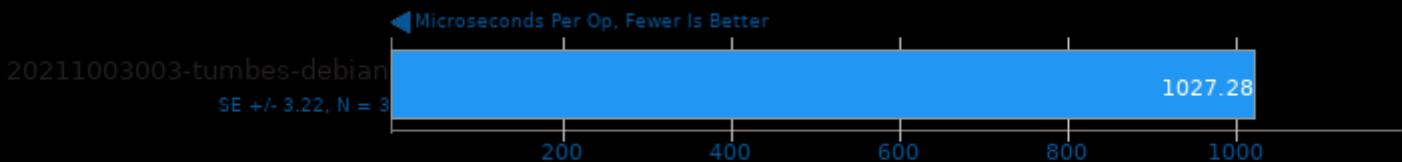
Benchmark: Sequential Fill



1. (CXX) g++ options: -O3 -lsnappy -lpthread

## LevelDB 1.22

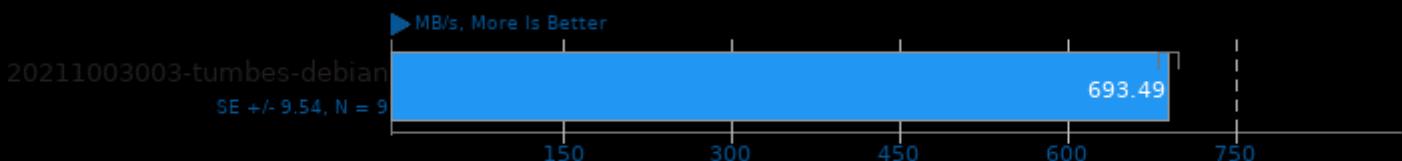
Benchmark: Sequential Fill



1. (CXX) g++ options: -O3 -lsnappy -lpthread

## Dbench 4.0

Client Count: 1



1. (CC) gcc options: -lpopt -O2

## Dbench 4.0

Client Count: 6



1. (CC) gcc options: -lpopt -O2

## Dbench 4.0

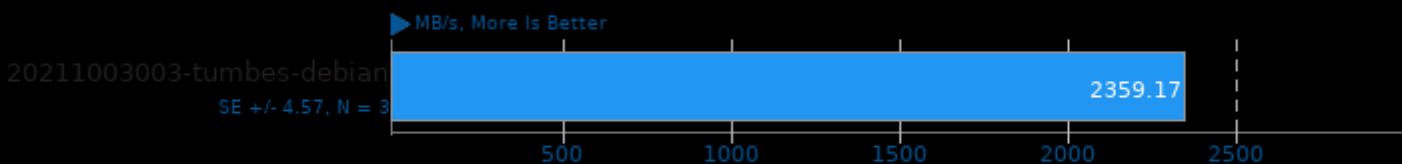
Client Count: 12



1. (CC) gcc options: -lpopt -O2

## Dbench 4.0

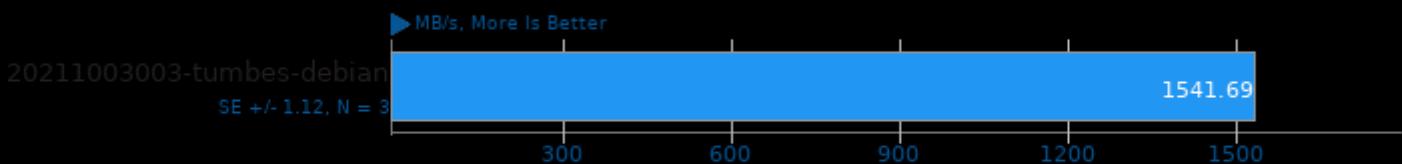
Client Count: 48



1. (CC) gcc options: -lpopt -O2

## Dbench 4.0

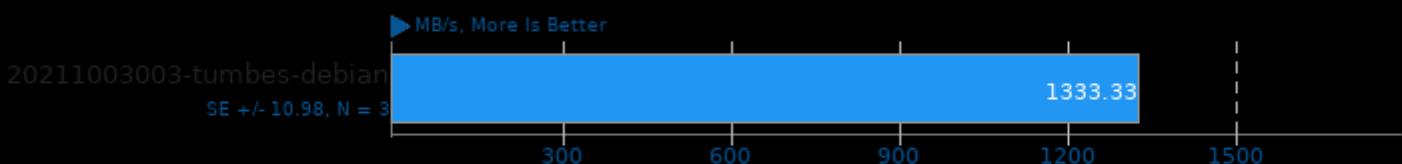
Client Count: 128



1. (CC) gcc options: -lpopt -O2

## Dbench 4.0

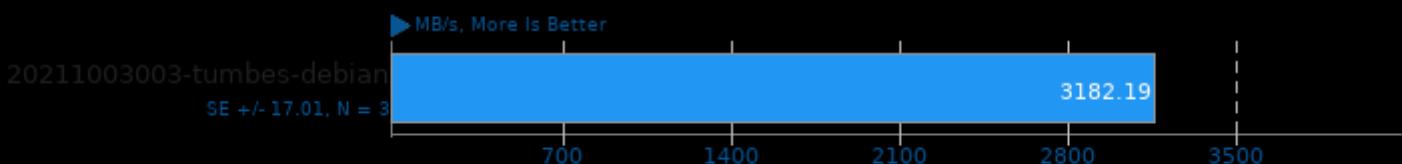
Client Count: 256



1. (CC) gcc options: -lpopt -O2

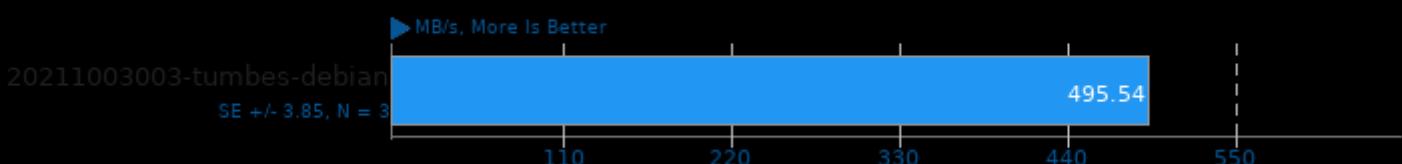
## Compile Bench 0.6

Test: Compile



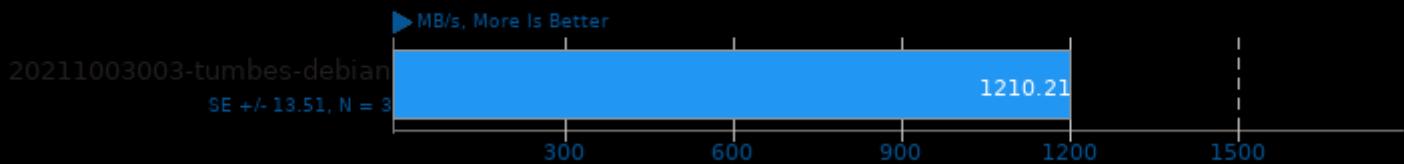
## Compile Bench 0.6

Test: Initial Create



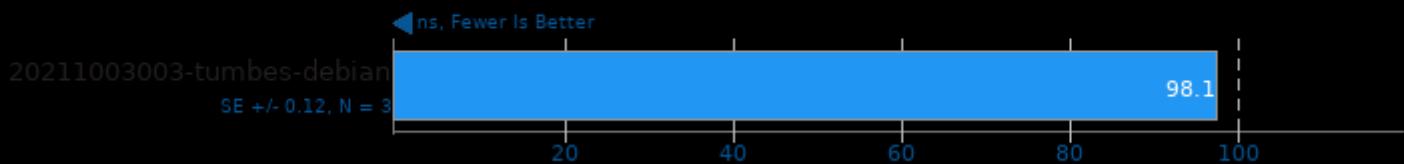
## Compile Bench 0.6

Test: Read Compiled Tree



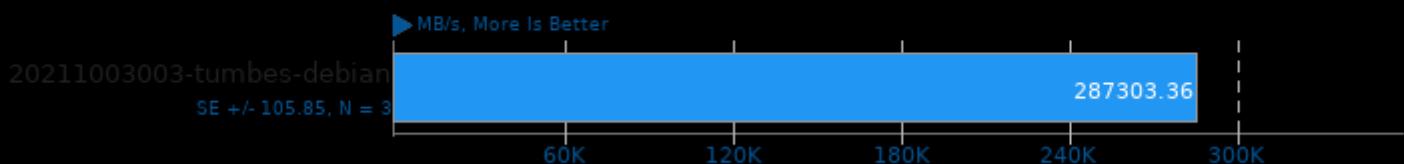
## Intel Memory Latency Checker

Test: Idle Latency



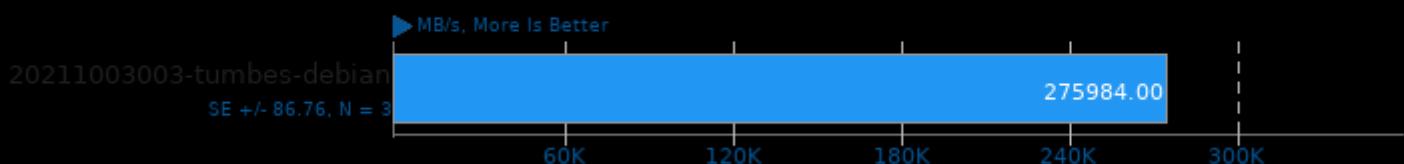
## Intel Memory Latency Checker

Test: Max Bandwidth - All Reads



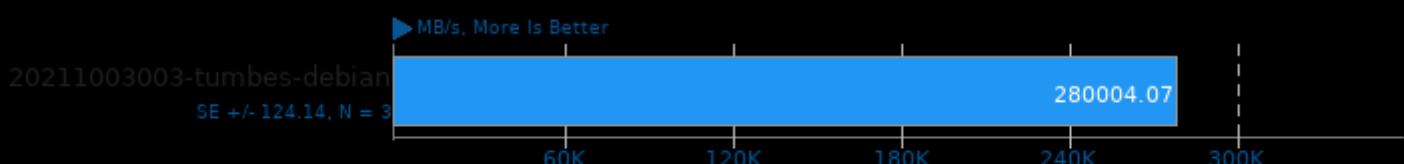
## Intel Memory Latency Checker

Test: Max Bandwidth - 3:1 Reads-Writes



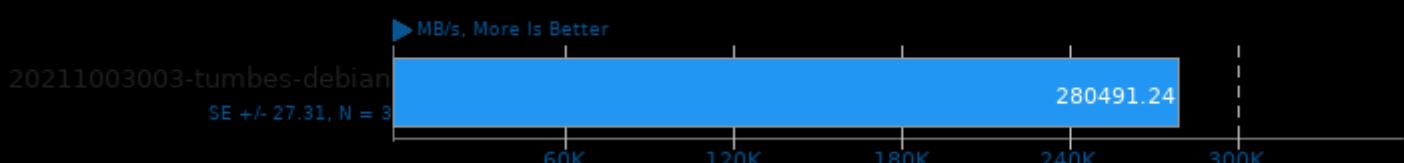
## Intel Memory Latency Checker

Test: Max Bandwidth - 2:1 Reads-Writes



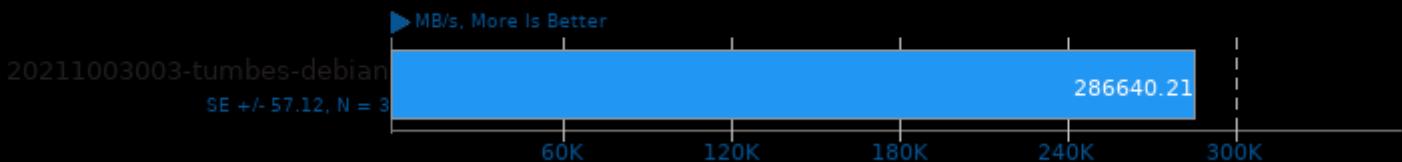
## Intel Memory Latency Checker

Test: Max Bandwidth - 1:1 Reads-Writes



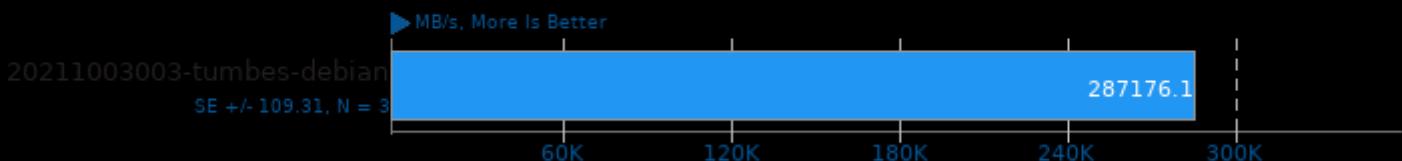
## Intel Memory Latency Checker

Test: Max Bandwidth - Stream-Triad Like



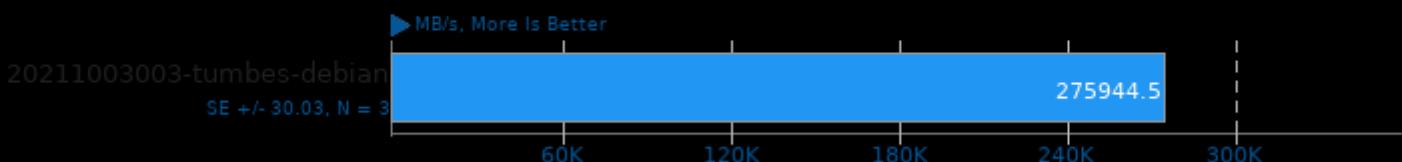
## Intel Memory Latency Checker

Test: Peak Injection Bandwidth - All Reads



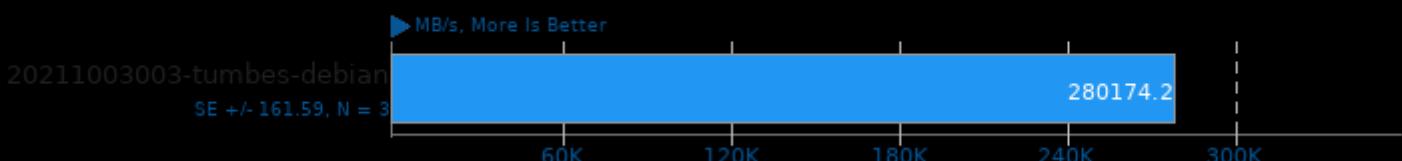
## Intel Memory Latency Checker

Test: Peak Injection Bandwidth - 3:1 Reads-Writes



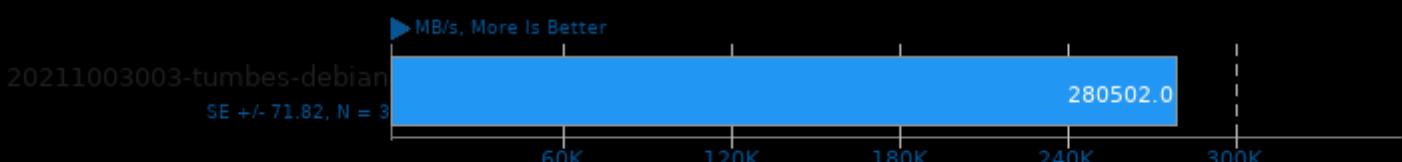
## Intel Memory Latency Checker

Test: Peak Injection Bandwidth - 2:1 Reads-Writes



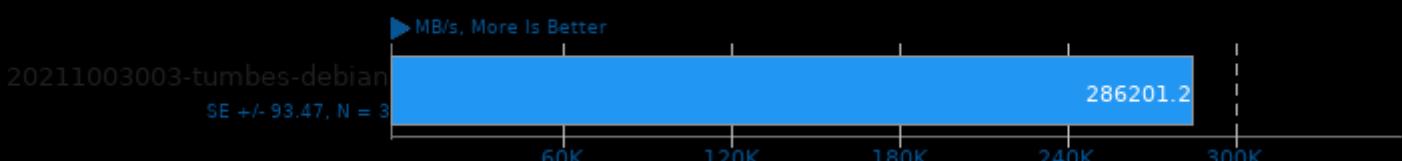
## Intel Memory Latency Checker

Test: Peak Injection Bandwidth - 1:1 Reads-Writes



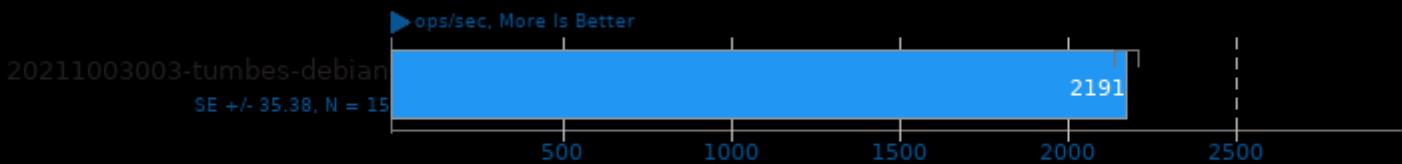
## Intel Memory Latency Checker

Test: Peak Injection Bandwidth - Stream-Triad Like

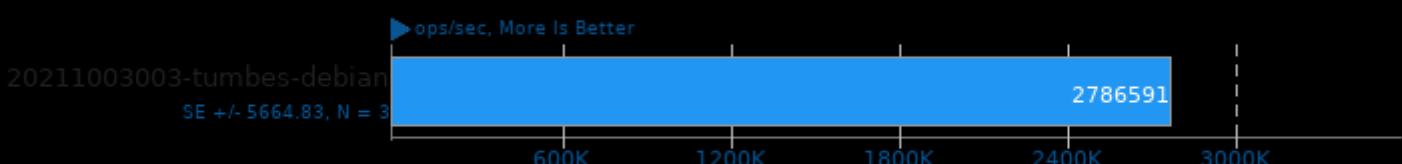


**perf-bench**

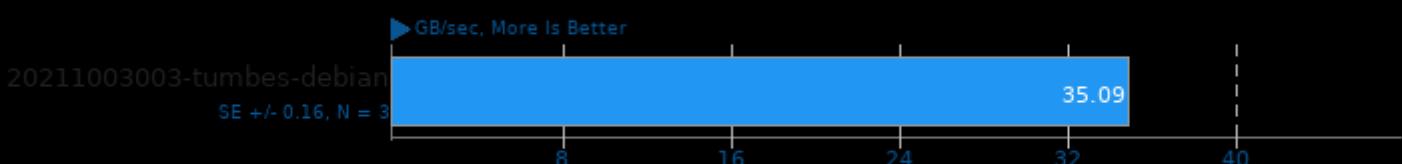
Benchmark: Epoll Wait

**perf-bench**

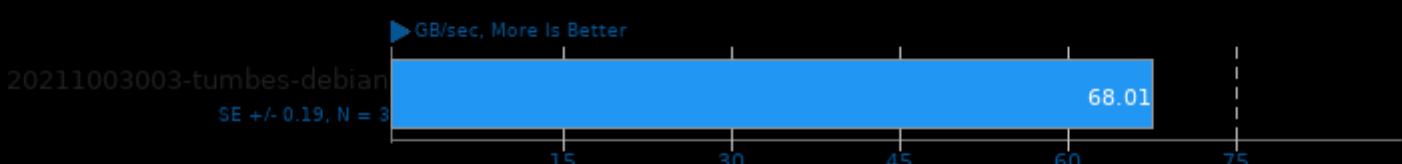
Benchmark: Futex Hash

**perf-bench**

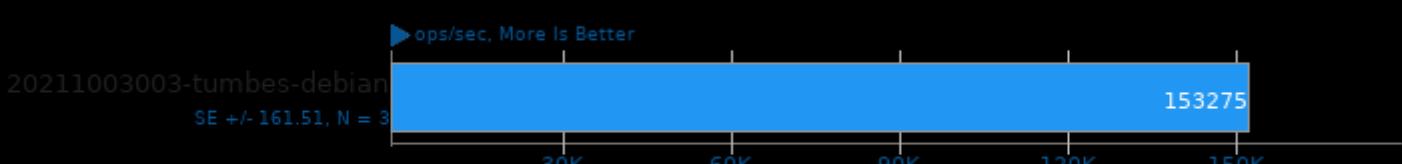
Benchmark: Memcpy 1MB

**perf-bench**

Benchmark: Memset 1MB

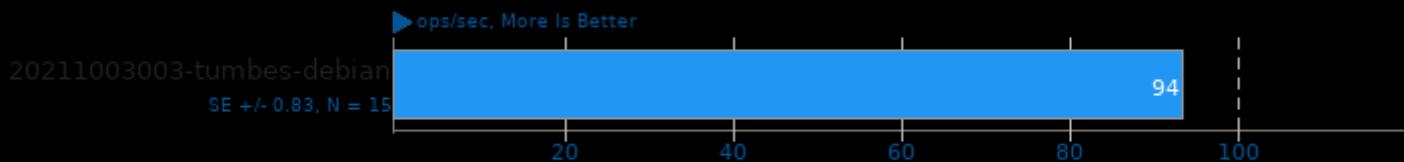
**perf-bench**

Benchmark: Sched Pipe



## perf-bench

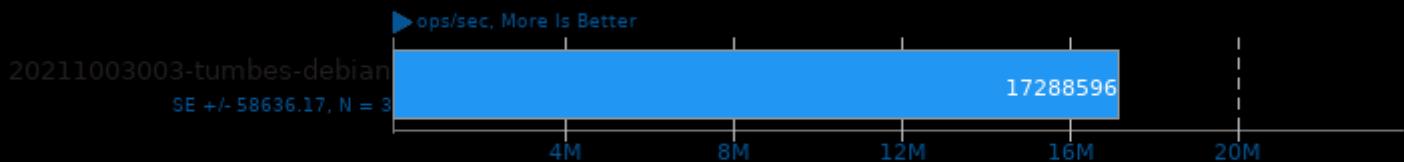
Benchmark: Futex Lock-Pi



1. (CC) gcc options: -O6 -ggdb3 -funwind-tables -std=gnu99 -Xlinker -lpthread -lrt -lm -ldl -lelf -lcrypto -lz -lnuma

## perf-bench

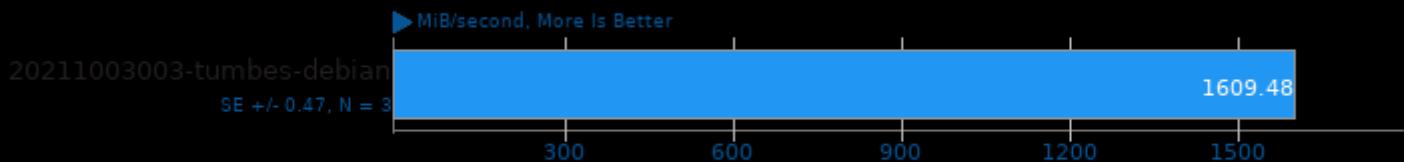
Benchmark: Syscall Basic



1. (CC) gcc options: -O6 -ggdb3 -funwind-tables -std=gnu99 -Xlinker -lpthread -lrt -lm -ldl -lelf -lcrypto -lz -lnuma

## Crypto++ 8.2

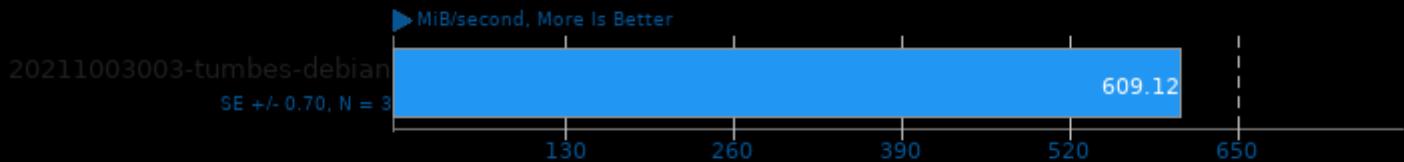
Test: All Algorithms



1. (CXX) g++ options: -g2 -O3 -fPIC -pthread -pipe

## Crypto++ 8.2

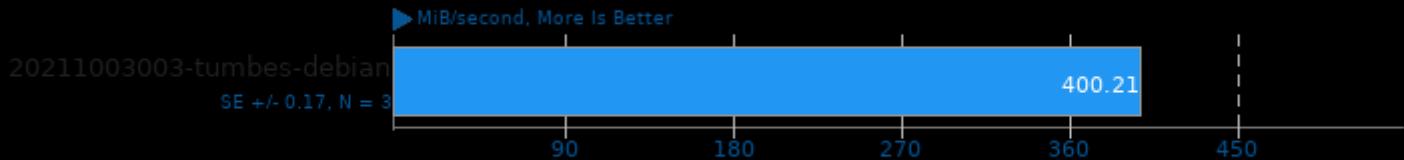
Test: Keyed Algorithms



1. (CXX) g++ options: -g2 -O3 -fPIC -pthread -pipe

## Crypto++ 8.2

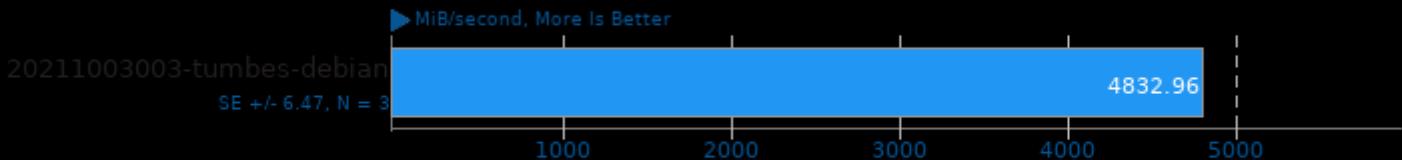
Test: Unkeyed Algorithms



1. (CXX) g++ options: -g2 -O3 -fPIC -pthread -pipe

## Crypto++ 8.2

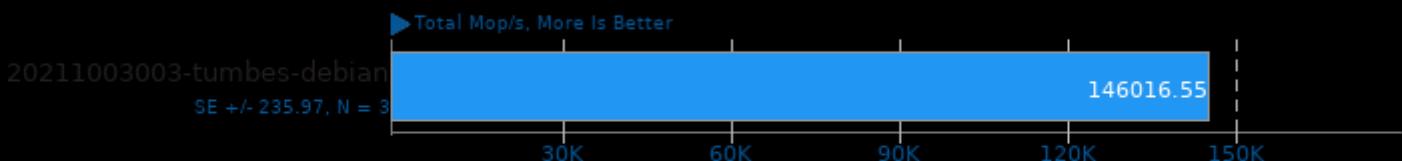
Test: Integer + Elliptic Curve Public Key Algorithms



1. (CXX) g++ options: -g2 -O3 -fPIC -pthread -pipe

## NAS Parallel Benchmarks 3.4

Test / Class: BT.C

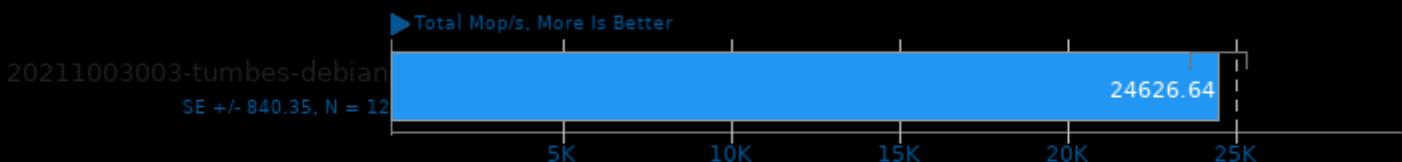


1. (F9X) gfortran options: -O3 -march=native -pthread -lmpi\_usempif08 -lmpi\_mpifh -lmpi -lopen rte -lopen pal -lhwloc -ldl -levent core -levent pthread

2. Open MPI 4.1.0

## NAS Parallel Benchmarks 3.4

Test / Class: CG.C

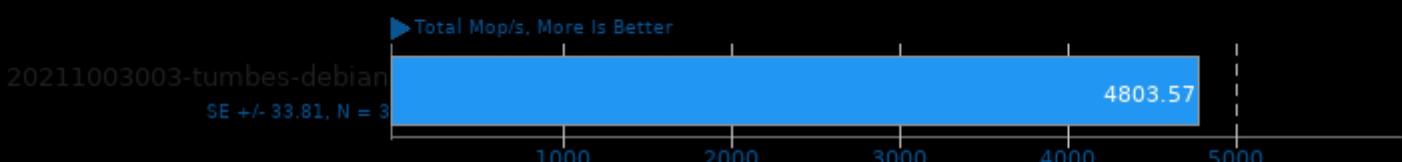


1. (F9X) gfortran options: -O3 -march=native -pthread -lmpi\_usempif08 -lmpi\_mpifh -lmpi -lopen rte -lopen pal -lhwloc -ldl -levent core -levent pthread

2. Open MPI 4.1.0

## NAS Parallel Benchmarks 3.4

Test / Class: EP.C

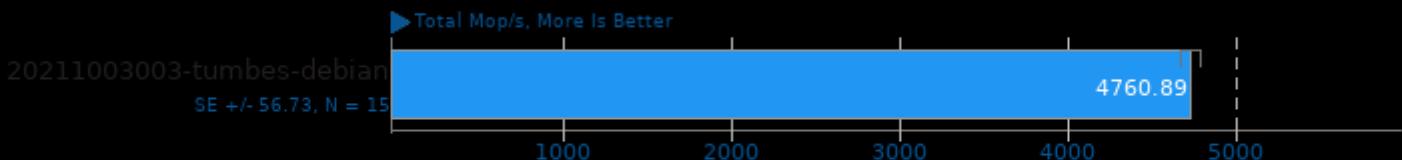


1. (F9X) gfortran options: -O3 -march=native -pthread -lmpi\_usempif08 -lmpi\_mpifh -lmpi -lopen rte -lopen pal -lhwloc -ldl -levent core -levent pthread

2. Open MPI 4.1.0

## NAS Parallel Benchmarks 3.4

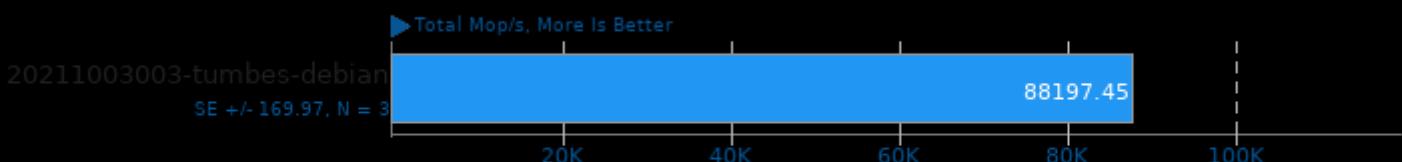
Test / Class: EP.D



1. (F9X) gfortran options: -O3 -march=native -pthread -lmpi\_usempif08 -lmpi\_mpifh -lmpi -lopen rte -lopen pal -lhwloc -ldl -levent core -levent pthread
2. Open MPI 4.1.0

## NAS Parallel Benchmarks 3.4

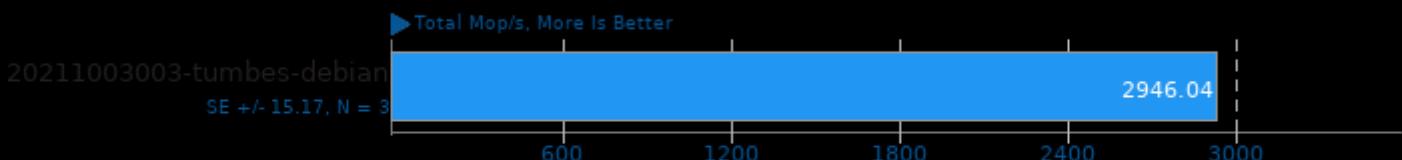
Test / Class: FT.C



1. (F9X) gfortran options: -O3 -march=native -pthread -lmpi\_usempif08 -lmpi\_mpifh -lmpi -lopen rte -lopen pal -lhwloc -ldl -levent core -levent pthread
2. Open MPI 4.1.0

## NAS Parallel Benchmarks 3.4

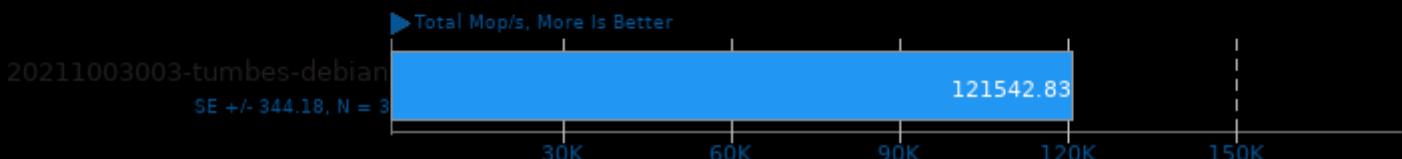
Test / Class: IS.D



1. (F9X) gfortran options: -O3 -march=native -pthread -lmpi\_usempif08 -lmpi\_mpifh -lmpi -lopen rte -lopen pal -lhwloc -ldl -levent core -levent pthread
2. Open MPI 4.1.0

## NAS Parallel Benchmarks 3.4

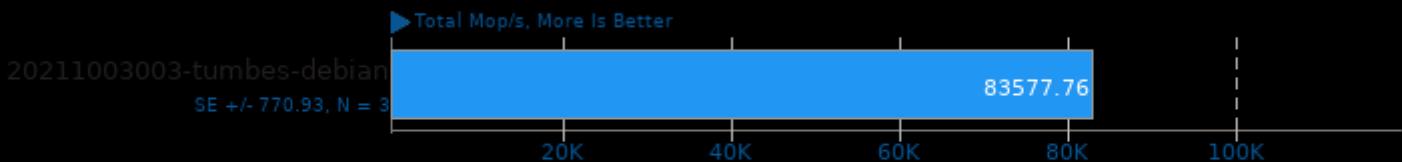
Test / Class: LU.C



1. (F9X) gfortran options: -O3 -march=native -pthread -lmpi\_usempif08 -lmpi\_mpifh -lmpi -lopen rte -lopen pal -lhwloc -ldl -levent core -levent pthread
2. Open MPI 4.1.0

## NAS Parallel Benchmarks 3.4

Test / Class: MG.C

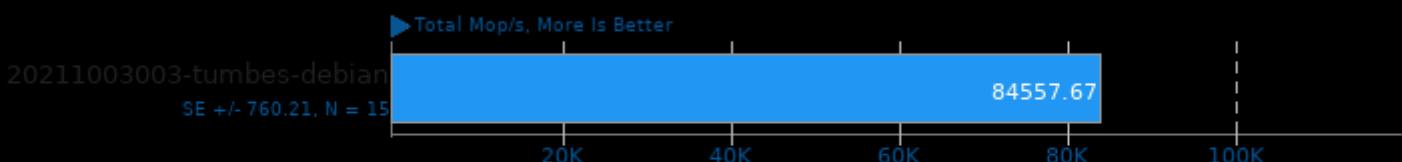


1. (F9X) gfortran options: -O3 -march=native -pthread -Impi\_usempif08 -Impi\_mpifh -Impi -lopen rte -lopen pal -Ihwloc -ldl -levent core -levent pthread

2. Open MPI 4.1.0

## NAS Parallel Benchmarks 3.4

Test / Class: SP.B

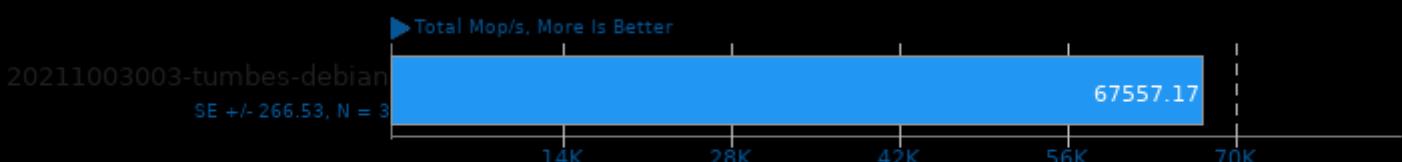


1. (F9X) gfortran options: -O3 -march=native -pthread -Impi\_usempif08 -Impi\_mpifh -Impi -lopen rte -lopen pal -Ihwloc -ldl -levent core -levent pthread

2. Open MPI 4.1.0

## NAS Parallel Benchmarks 3.4

Test / Class: SPC

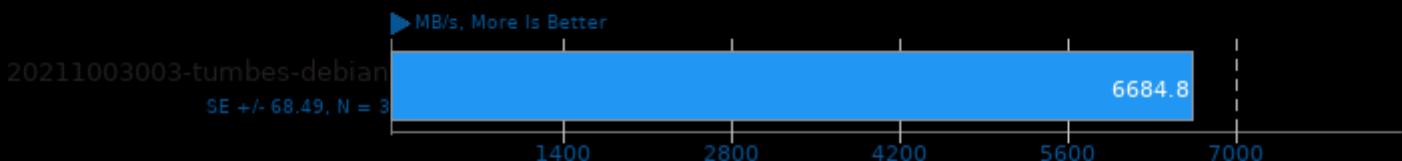


1. (F9X) gfortran options: -O3 -march=native -pthread -Impi\_usempif08 -Impi\_mpifh -Impi -lopen rte -lopen pal -Ihwloc -ldl -levent core -levent pthread

2. Open MPI 4.1.0

## Zstd Compression 1.5.0

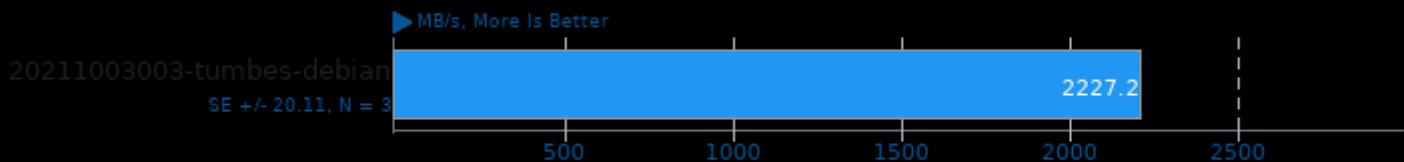
Compression Level: 3 - Compression Speed



1. (CC) gcc options: -O3 -pthread -lz

## Zstd Compression 1.5.0

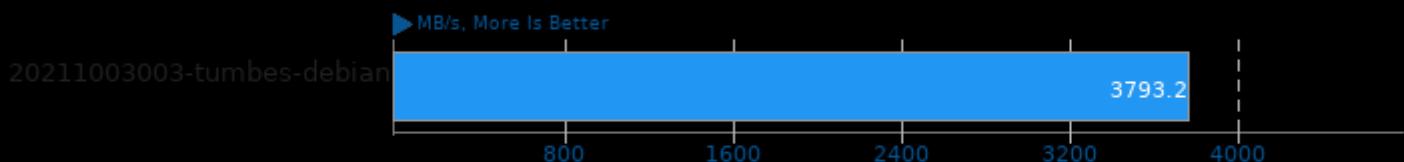
Compression Level: 8 - Compression Speed



1. (CC) gcc options: -O3 -pthread -lz

## Zstd Compression 1.5.0

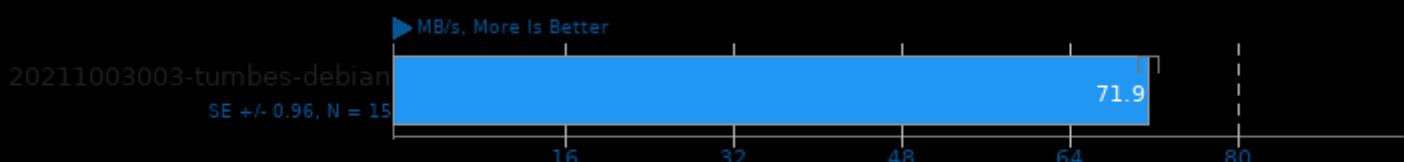
Compression Level: 8 - Decompression Speed



1. (CC) gcc options: -O3 -pthread -lz

## Zstd Compression 1.5.0

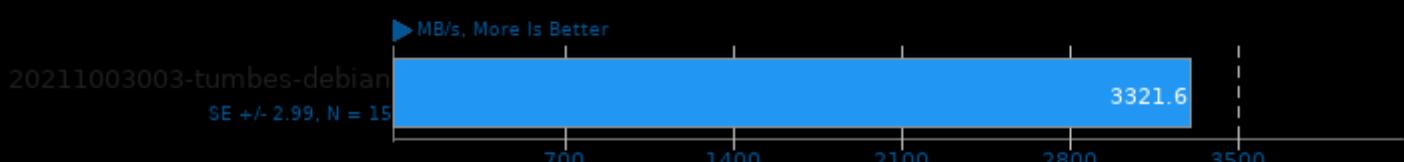
Compression Level: 19 - Compression Speed



1. (CC) gcc options: -O3 -pthread -lz

## Zstd Compression 1.5.0

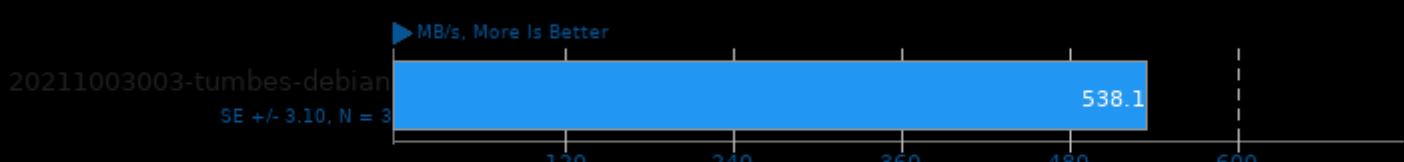
Compression Level: 19 - Decompression Speed



1. (CC) gcc options: -O3 -pthread -lz

## Zstd Compression 1.5.0

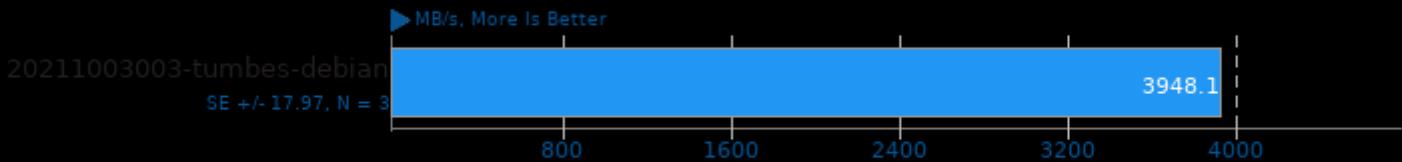
Compression Level: 3, Long Mode - Compression Speed



1. (CC) gcc options: -O3 -pthread -lz

## Zstd Compression 1.5.0

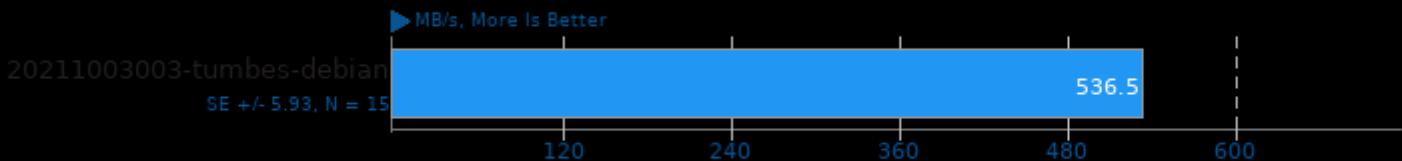
Compression Level: 3, Long Mode - Decompression Speed



1. (CC) gcc options: -O3 -pthread -lz

## Zstd Compression 1.5.0

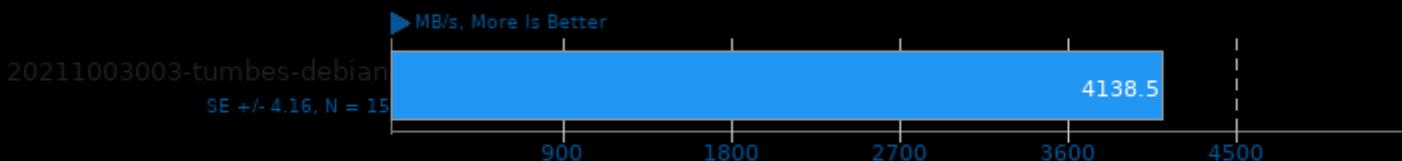
Compression Level: 8, Long Mode - Compression Speed



1. (CC) gcc options: -O3 -pthread -lz

## Zstd Compression 1.5.0

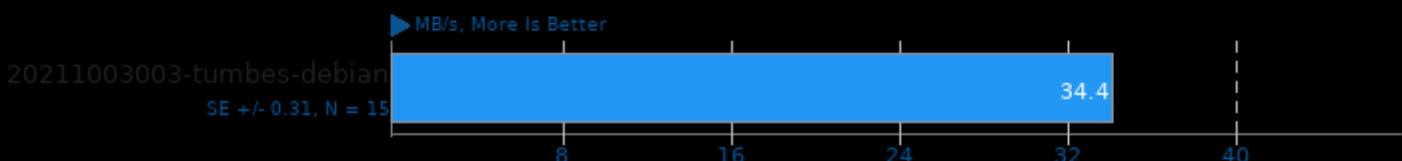
Compression Level: 8, Long Mode - Decompression Speed



1. (CC) gcc options: -O3 -pthread -lz

## Zstd Compression 1.5.0

Compression Level: 19, Long Mode - Compression Speed



1. (CC) gcc options: -O3 -pthread -lz

## Zstd Compression 1.5.0

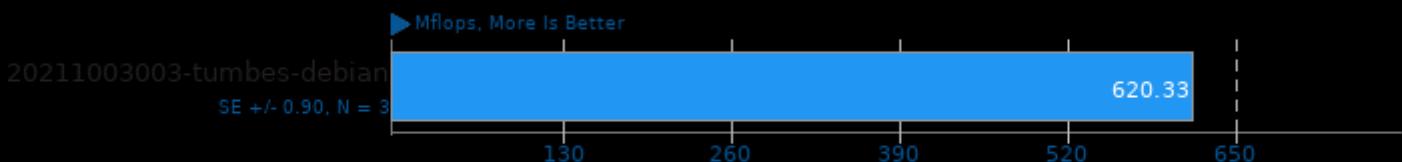
Compression Level: 19, Long Mode - Decompression Speed



1. (CC) gcc options: -O3 -pthread -lz

## SciMark 2.0

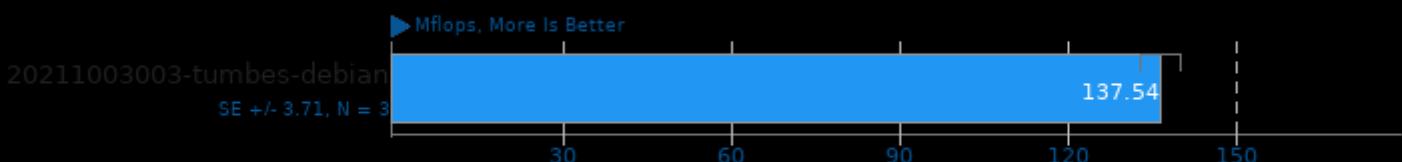
Computational Test: Composite



1. (CC) gcc options: -lm

## SciMark 2.0

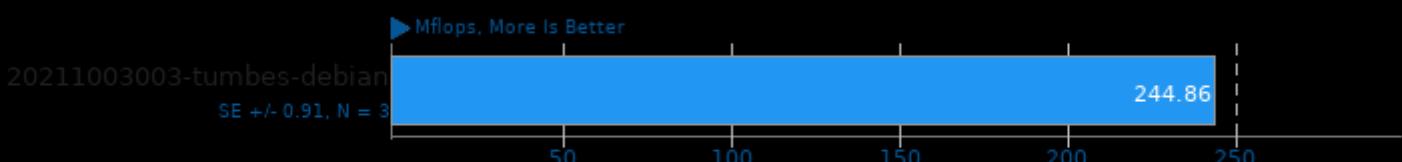
Computational Test: Monte Carlo



1. (CC) gcc options: -lm

## SciMark 2.0

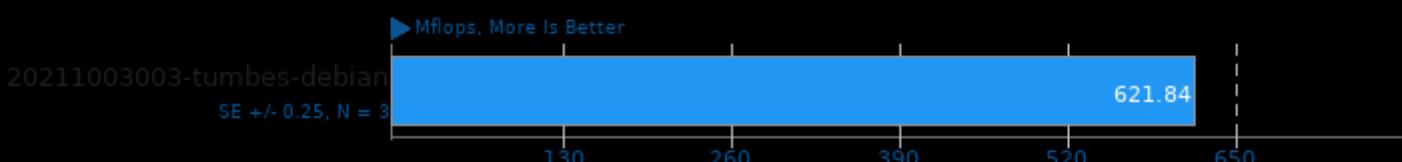
Computational Test: Fast Fourier Transform



1. (CC) gcc options: -lm

## SciMark 2.0

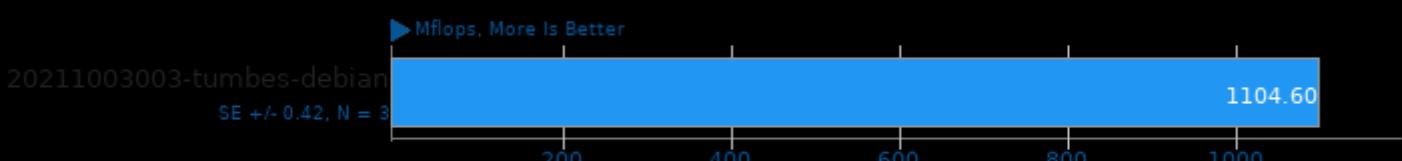
Computational Test: Sparse Matrix Multiply



1. (CC) gcc options: -lm

## SciMark 2.0

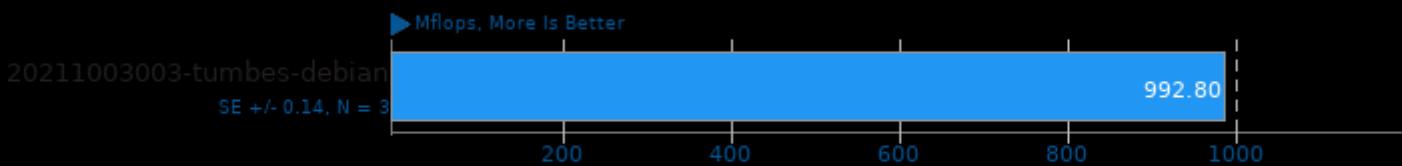
Computational Test: Dense LU Matrix Factorization



1. (CC) gcc options: -lm

## SciMark 2.0

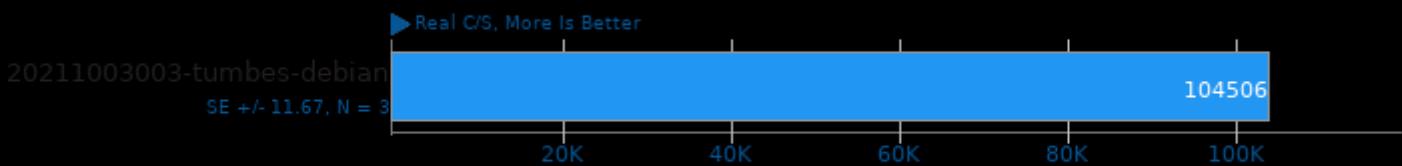
Computational Test: Jacobi Successive Over-Relaxation



1. (CC) gcc options: -lm

## John The Ripper 1.9.0-jumbo-1

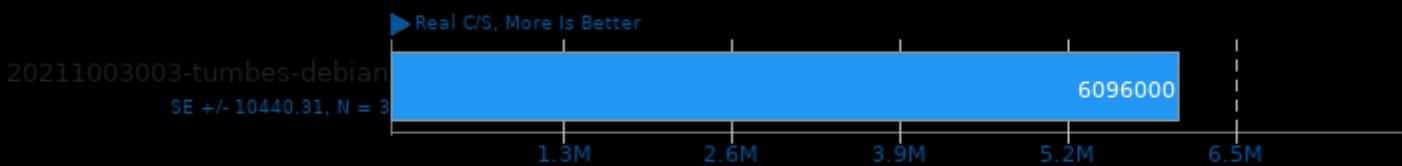
Test: Blowfish



1. (CC) gcc options: -m64 -lssl -lcrypto -fopenmp -lgmp -pthread -lm -lz -ldl -lcrypt

## John The Ripper 1.9.0-jumbo-1

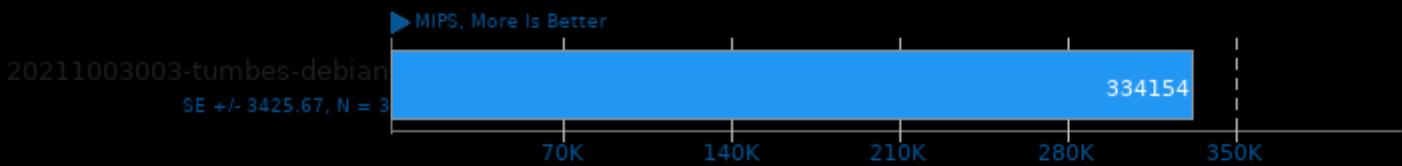
Test: MD5



1. (CC) gcc options: -m64 -lssl -lcrypto -fopenmp -lgmp -pthread -lm -lz -ldl -lcrypt

## 7-Zip Compression 16.02

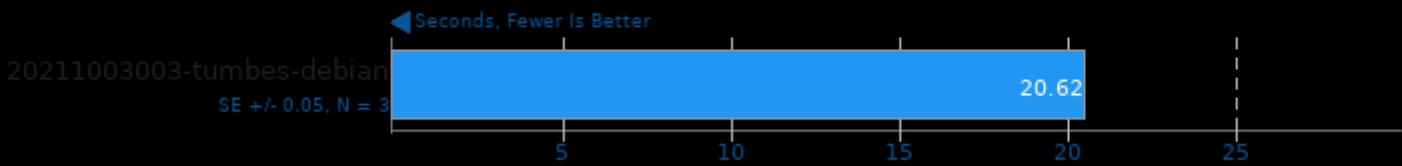
Compress Speed Test



1. (CXX) g++ options: -pipe -lpthread

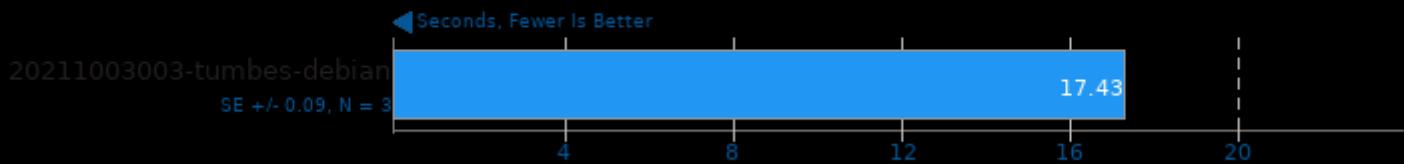
## Timed Apache Compilation 2.4.41

Time To Compile



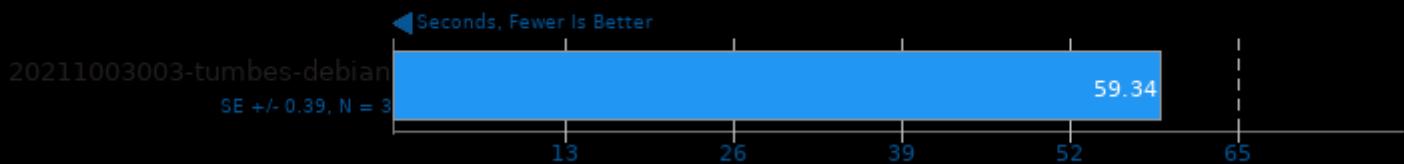
## Timed FFmpeg Compilation 4.4

Time To Compile



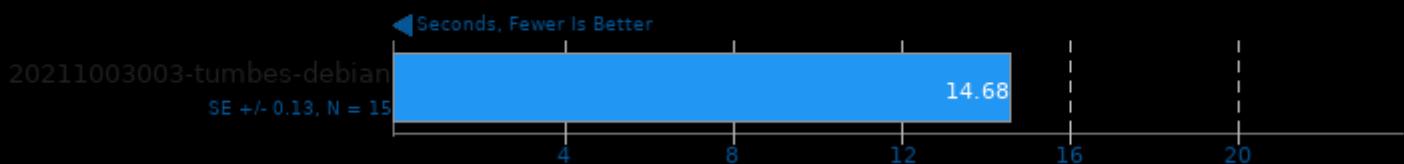
## Timed GDB GNU Debugger Compilation 10.2

Time To Compile



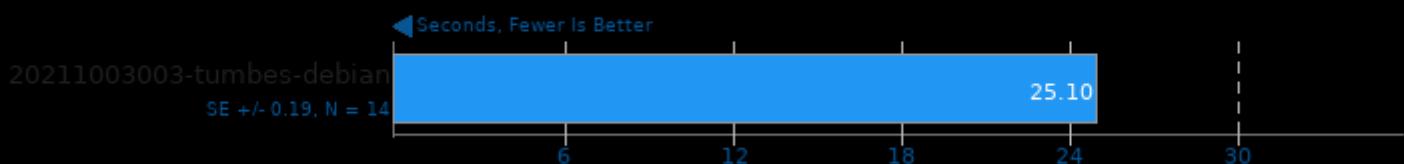
## Timed ImageMagick Compilation 6.9.0

Time To Compile



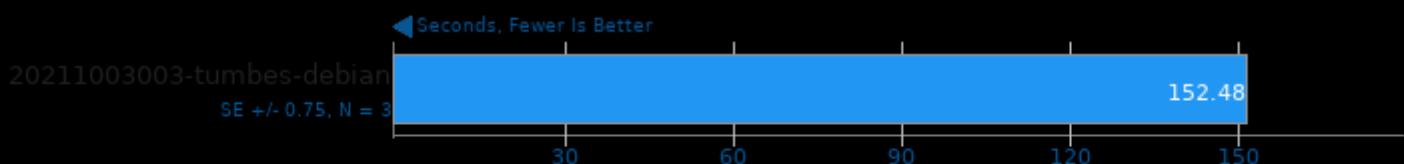
## Timed Linux Kernel Compilation 5.14

Time To Compile



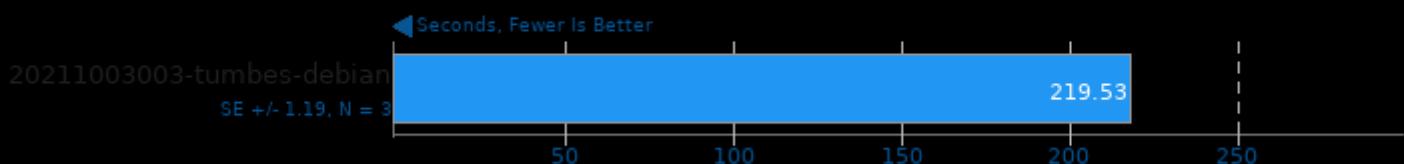
## Timed LLVM Compilation 13.0

Build System: Ninja



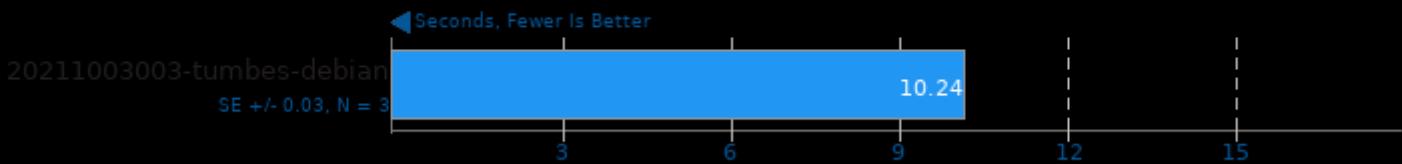
## Timed LLVM Compilation 13.0

Build System: Unix Makefiles



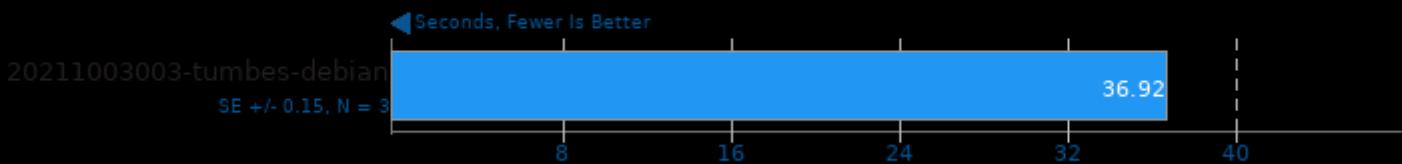
## Timed MPlayer Compilation 1.4

Time To Compile



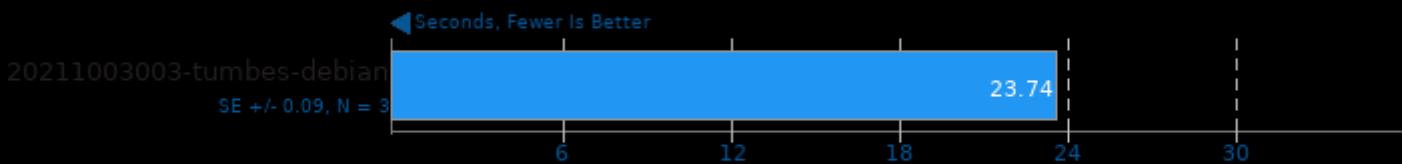
## Timed PHP Compilation 7.4.2

Time To Compile



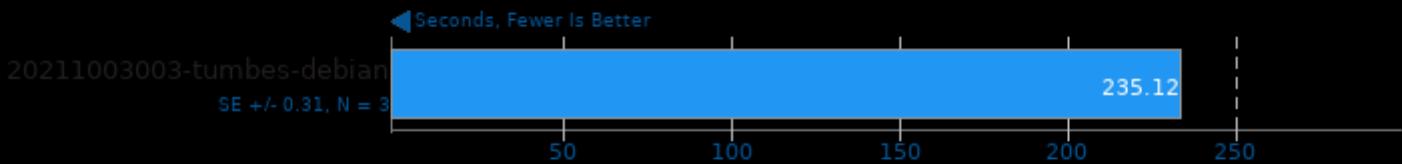
## XZ Compression 5.2.4

Compressing ubuntu-16.04.3-server-i386.img, Compression Level 9



1. (CC) gcc options: -pthread -fvisibility=hidden -O2

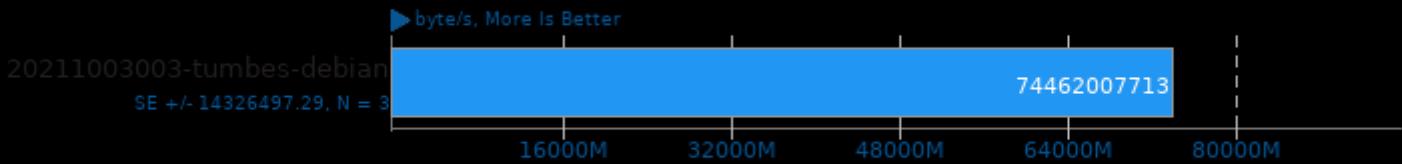
## Gcrypt Library 1.9



1. (CC) gcc options: -O2 -fvisibility=hidden -lgpg-error

## OpenSSL 3.0

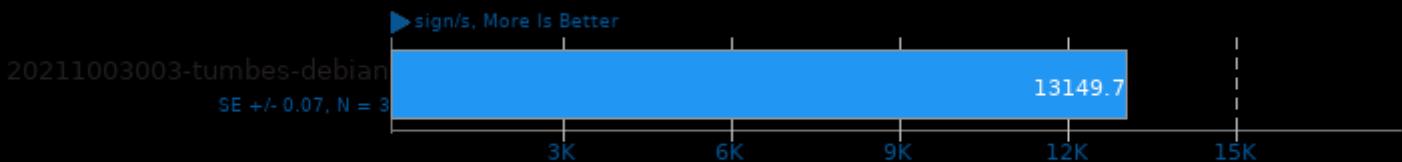
Algorithm: SHA256



1. (CC) gcc options: -pthread -m64 -O3 -lssl -lcrypto -ldl

## OpenSSL 3.0

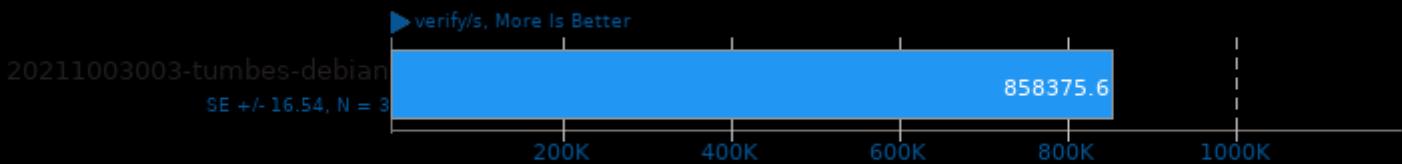
Algorithm: RSA4096



1. (CC) gcc options: -pthread -m64 -O3 -lssl -lcrypto -ldl

## OpenSSL 3.0

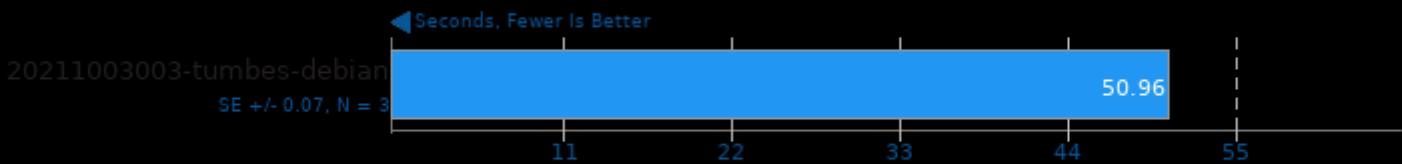
Algorithm: RSA4096



1. (CC) gcc options: -pthread -m64 -O3 -lssl -lcrypto -ldl

## CppPerformanceBenchmarks 9

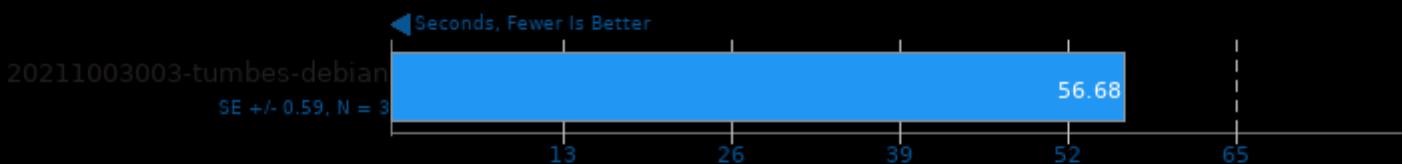
Test: Atol



1. (CXX) g++ options: -std=c++11 -O3

## CppPerformanceBenchmarks 9

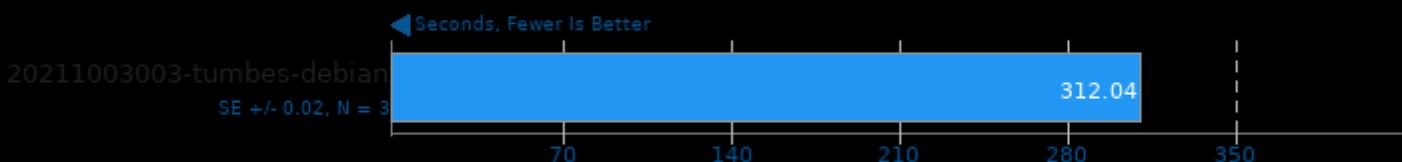
Test: Ctype



1. (CXX) g++ options: -std=c++11 -O3

## CppPerformanceBenchmarks 9

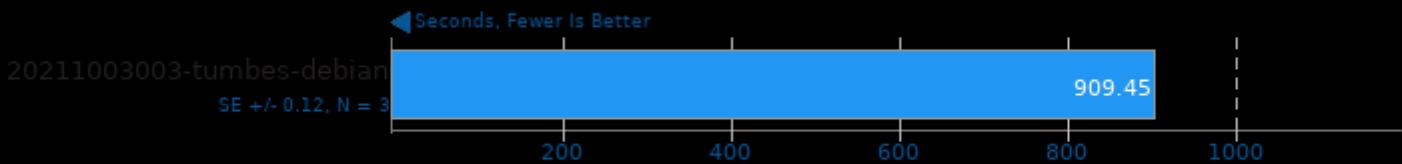
Test: Math Library



1. (CXX) g++ options: -std=c++11 -O3

## CppPerformanceBenchmarks 9

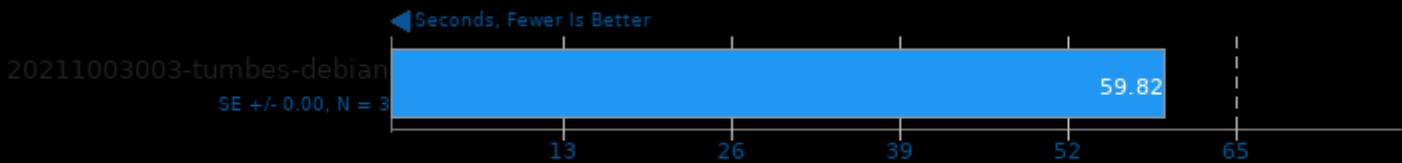
Test: Random Numbers



1. (CXX) g++ options: -std=c++11 -O3

## CppPerformanceBenchmarks 9

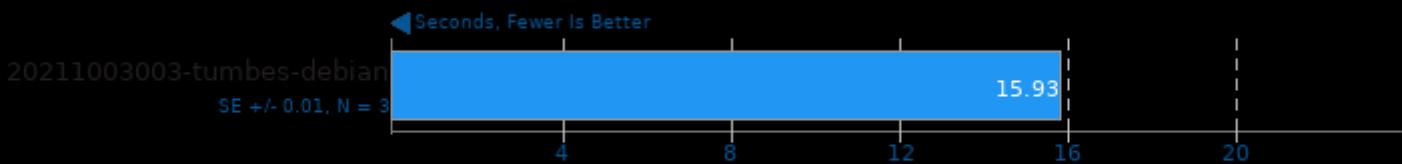
Test: Stepanov Vector



1. (CXX) g++ options: -std=c++11 -O3

## CppPerformanceBenchmarks 9

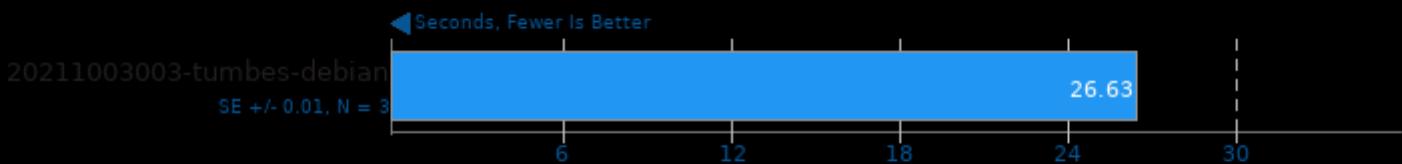
Test: Function Objects



1. (CXX) g++ options: -std=c++11 -O3

## CppPerformanceBenchmarks 9

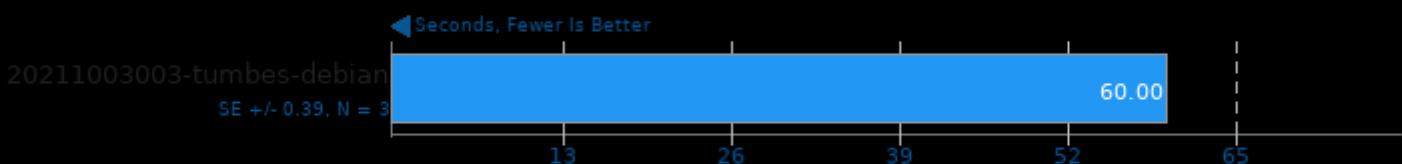
Test: Stepanov Abstraction



1. (CXX) g++ options: -std=c++11 -O3

## SQLite Speedtest 3.30

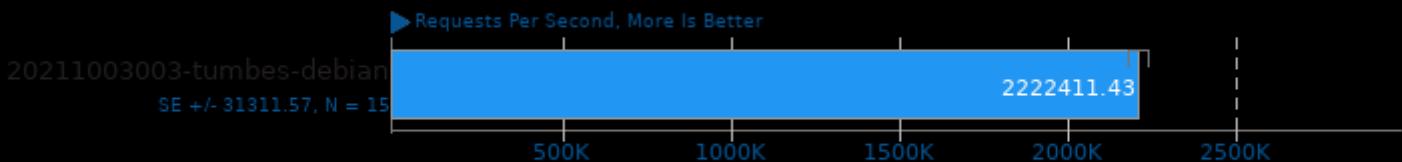
Timed Time - Size 1,000



1. (CC) gcc options: -O2 -ldl -lz -lpthread

## Redis 6.0.9

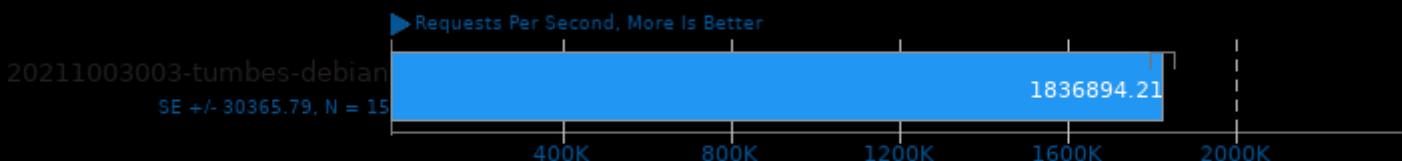
Test: LPOP



1. (CXX) g++ options: -MM -MT -g3 -fvisibility=hidden -O3

## Redis 6.0.9

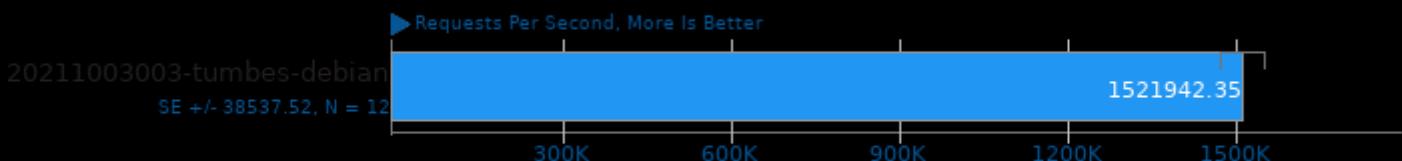
Test: SADD



1. (CXX) g++ options: -MM -MT -g3 -fvisibility=hidden -O3

## Redis 6.0.9

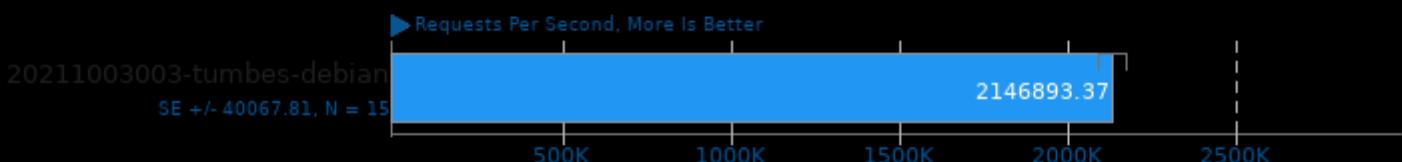
Test: LPUSH



1. (CXX) g++ options: -MM -MT -g3 -fvisibility=hidden -O3

## Redis 6.0.9

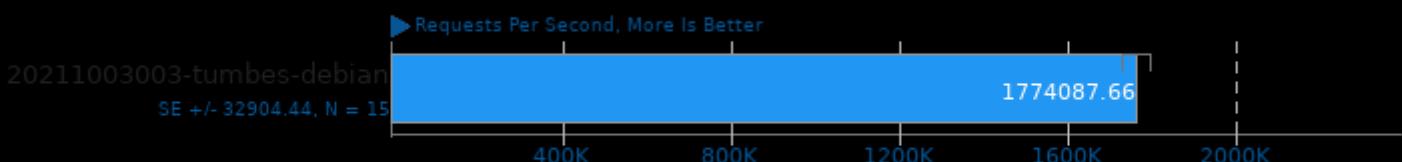
Test: GET



1. (CXX) g++ options: -MM -MT -g3 -fvisibility=hidden -O3

## Redis 6.0.9

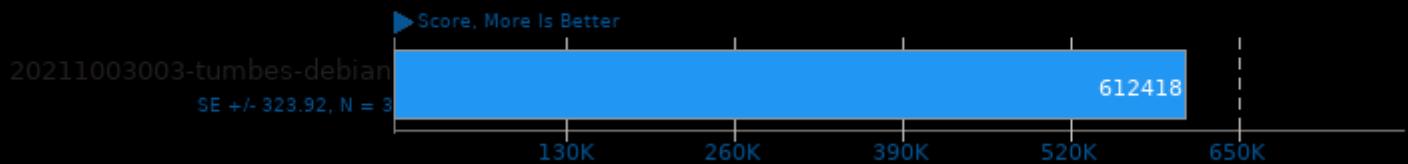
Test: SET



1. (CXX) g++ options: -MM -MT -g3 -fvisibility=hidden -O3

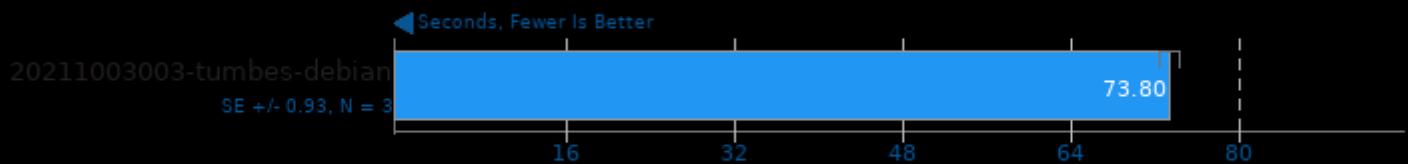
## PHPBench 0.8.1

PHP Benchmark Suite



## GnuPG 2.2.27

2.7GB Sample File Encryption



1. (CC) gcc options: -O2

*This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 15:04.*