

www.phoronix-test-suite.com

Ubuntu 18.04 Benchmarks

Various open-source benchmarks by the Phoronix Test Suite v5.2.1 (Khanino).

Test Systems:

Intel Core i5-2410M

Processor: Intel Core i5-2410M @ 2.90GHz (4 Cores), Motherboard: Acer BAV50_HR, Chipset: Intel 2nd Generation Core Family DRAM, Memory: 12288MB, Disk: 1000GB Western Digital WD10JFCX-68N, Graphics: NVIDIA GeForce GT 540M 1024MB (670/896MHz), Audio: Conexant CX20588, Network: Qualcomm Atheros AR8151 v2.0 Gigabit + Broadcom and subsidiaries BCM43227 802.11b/g/n

OS: Ubuntu 18.04, Kernel: 5.4.0-65-generic (x86_64), Desktop: GNOME Shell 3.28.4, Display Driver: NVIDIA 390.141, OpenGL: 4.6.0, File-System: ext4, Screen Resolution: 3286x1080

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++ --enable-libmpx --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc=auto --enable-offload-targets=nvptx-none --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 --with-tune=generic --without-cuda-driver -v

Ubuntu 18.04 Benchmarks

Processor Notes: Scaling Governor: intel_pstate powersave
OpenCL Notes: GPU Compute Cores: 96
System Notes: GPU Compute Cores: 96.

	Intel Core i5-2410M
Redis - SET (Reqs/sec)	439870
Standard Deviation	3.4%
Redis - GET (Reqs/sec)	570588
Standard Deviation	3.9%
Redis - LPUSH (Reqs/sec)	348912
Standard Deviation	3.7%
Redis - SADD (Reqs/sec)	484484
Standard Deviation	1.2%
Redis - LPOP (Reqs/sec)	575796
Standard Deviation	6%
ASKAP - H.C.O (Iterations/sec)	13.17
Standard Deviation	2.1%
ASKAP - tConvolve OpenMP - Degridding (Million Grid Points/sec)	266.65
Standard Deviation	2.7%
ASKAP - tConvolve OpenMP - Gridding (Million Grid Points/sec)	272.03
Standard Deviation	1.9%
ASKAP - tConvolve MT - Degridding (Million Grid Points/sec)	324.70
Standard Deviation	1.7%
ASKAP - tConvolve MT - Gridding (Million Grid Points/sec)	340.37
Standard Deviation	5.7%
Gcrypt Library - P.T.S.v.2.1 (sec)	731.50
Standard Deviation	1.6%
lzbench - Libdeflate 1 - Decompression (MB/s)	68
Standard Deviation	5.6%
lzbench - Libdeflate 1 - Compression (MB/s)	67
Standard Deviation	5.4%
lzbench - Brotli 2 - Decompression (MB/s)	53
Standard Deviation	3.3%
lzbench - Brotli 2 - Compression (MB/s)	52
Standard Deviation	1.9%
lzbench - Brotli 0 - Decompression (MB/s)	165
Standard Deviation	9.2%
lzbench - Brotli 0 - Compression (MB/s)	162
Standard Deviation	8.6%
lzbench - Crush 0 - Decompression (MB/s)	29
Standard Deviation	3.4%
lzbench - Crush 0 - Compression (MB/s)	29
Standard Deviation	3.4%
lzbench - Zstd 8 - Decompression (MB/s)	23
Standard Deviation	2.5%
lzbench - Zstd 8 - Compression (MB/s)	23
Standard Deviation	3.6%
lzbench - Zstd 1 - Decompression (MB/s)	148
Standard Deviation	10.1%
lzbench - Zstd 1 - Compression (MB/s)	145

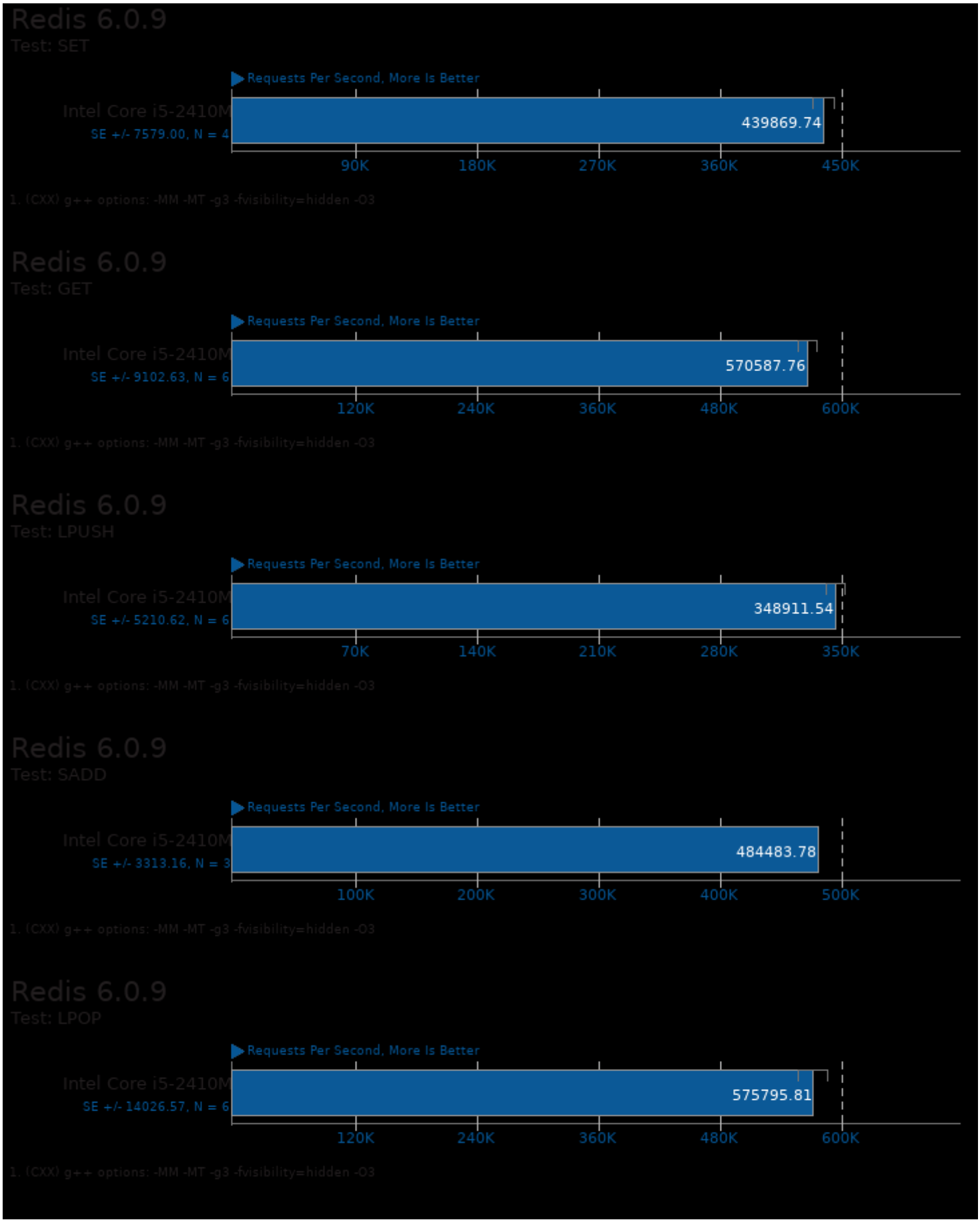
Standard Deviation 10.2%

lzbench - XZ 0 - Decompression (MB/s) 12

Standard Deviation 0%

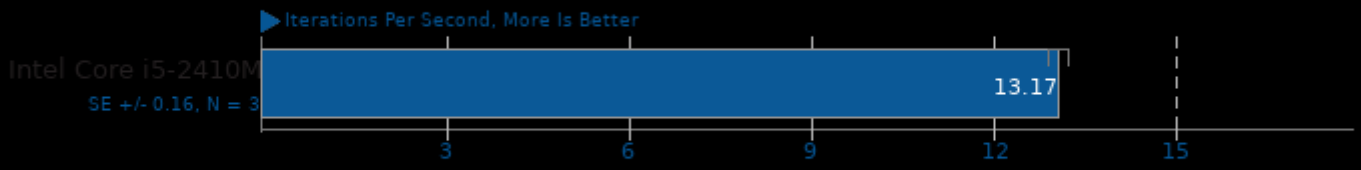
lzbench - XZ 0 - Compression (MB/s) 12

Standard Deviation 6.6%


Redis 6.0.9
Test: SET
Requests Per Second, More Is Better
Intel Core i5-2410M
SE +/- 7579.00, N = 4
439869.74
90K
180K
270K
360K
450K
1. (CXX) g++ options: -MM -MT -g3 -fvisibility=hidden -O3
Redis 6.0.9
Test: GET
Requests Per Second, More Is Better
Intel Core i5-2410M
SE +/- 9102.63, N = 6
570587.76
120K
240K
360K
480K
600K
1. (CXX) g++ options: -MM -MT -g3 -fvisibility=hidden -O3
Redis 6.0.9
Test: LPUSH
Requests Per Second, More Is Better
Intel Core i5-2410M
SE +/- 5210.62, N = 6
348911.54
70K
140K
210K
280K
350K
1. (CXX) g++ options: -MM -MT -g3 -fvisibility=hidden -O3
Redis 6.0.9
Test: SADD
Requests Per Second, More Is Better
Intel Core i5-2410M
SE +/- 3313.16, N = 3
484483.78
100K
200K
300K
400K
500K
1. (CXX) g++ options: -MM -MT -g3 -fvisibility=hidden -O3
Redis 6.0.9
Test: LPOP
Requests Per Second, More Is Better
Intel Core i5-2410M
SE +/- 14026.57, N = 6
575795.81
120K
240K
360K
480K
600K
1. (CXX) g++ options: -MM -MT -g3 -fvisibility=hidden -O3

ASKAP 1.0

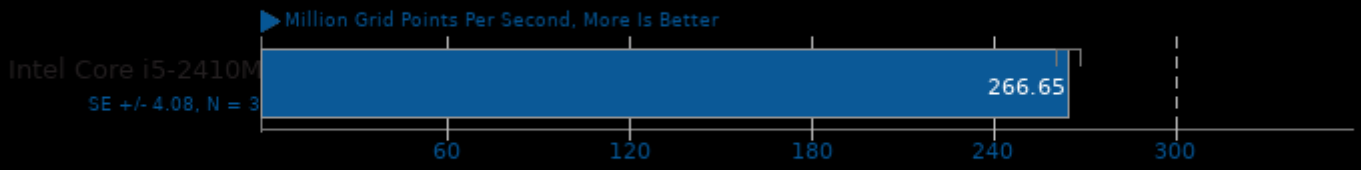
Test: Hogbom Clean OpenMP



1. (CXX) g++ options: -O3 -fstrict-aliasing -fopenmp

ASKAP 1.0

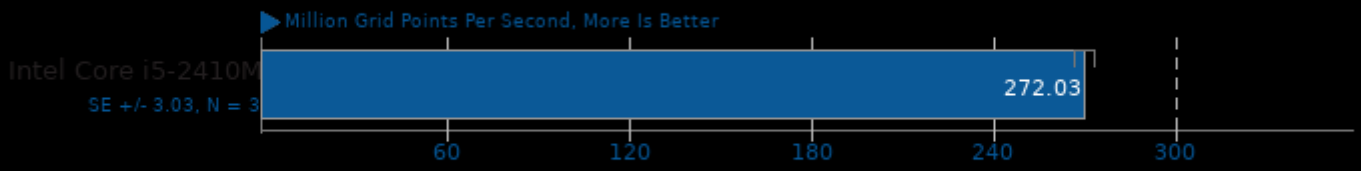
Test: tConvolve OpenMP - Degridding



1. (CXX) g++ options: -O3 -fstrict-aliasing -fopenmp

ASKAP 1.0

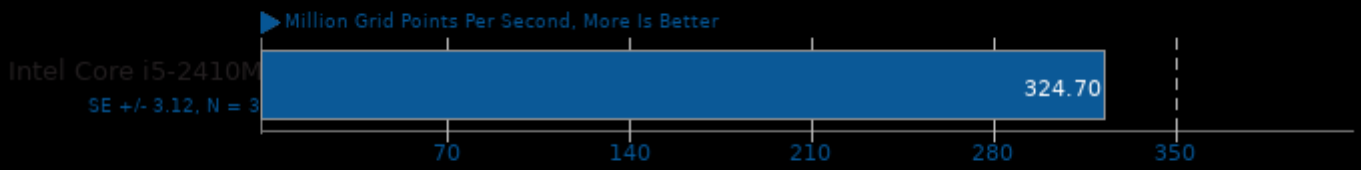
Test: tConvolve OpenMP - Gridding



1. (CXX) g++ options: -O3 -fstrict-aliasing -fopenmp

ASKAP 1.0

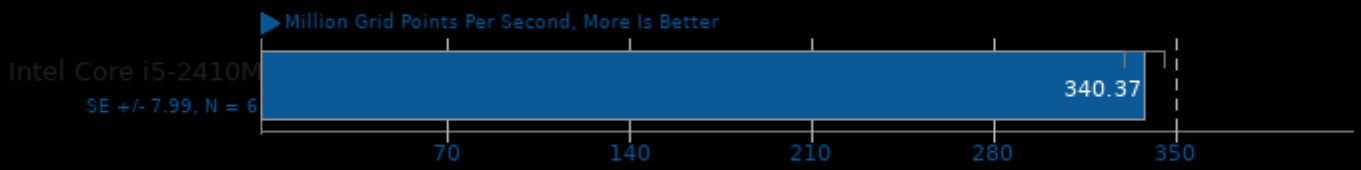
Test: tConvolve MT - Degridding



1. (CXX) g++ options: -O3 -fstrict-aliasing -fopenmp

ASKAP 1.0

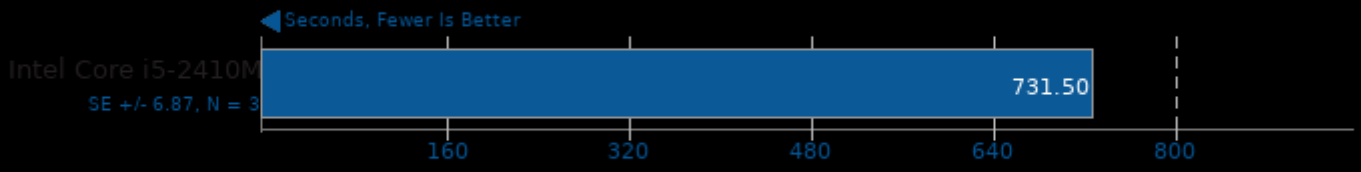
Test: tConvolve MT - Gridding



1. (CXX) g++ options: -O3 -fstrict-aliasing -fopenmp

Gcrypt Library 1.9

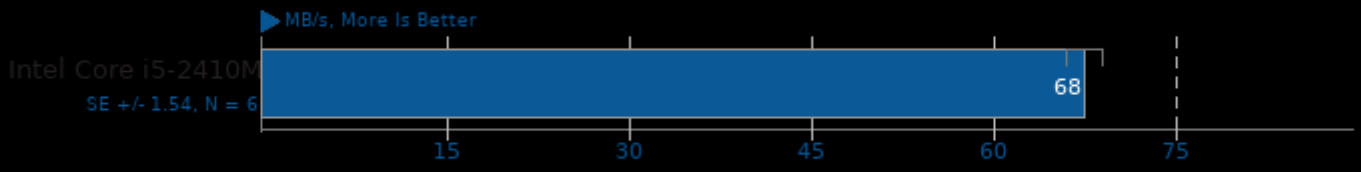
Phoronix Test Suite v5.2.1



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

lzbench 1.8

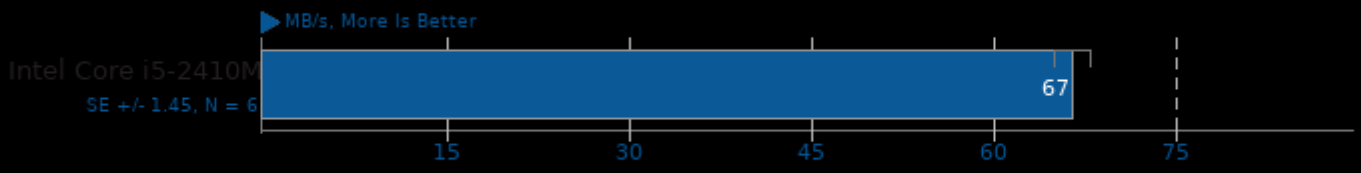
Test: Libdeflate 1 - Process: Decompression



1. (CXX) g++ options: -pthread -fomit-frame-pointer -fstrict-aliasing -ffast-math -O3

lzbench 1.8

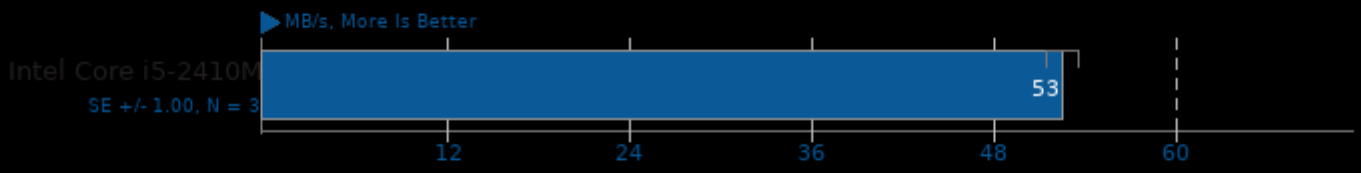
Test: Libdeflate 1 - Process: Compression



1. (CXX) g++ options: -pthread -fomit-frame-pointer -fstrict-aliasing -ffast-math -O3

lzbench 1.8

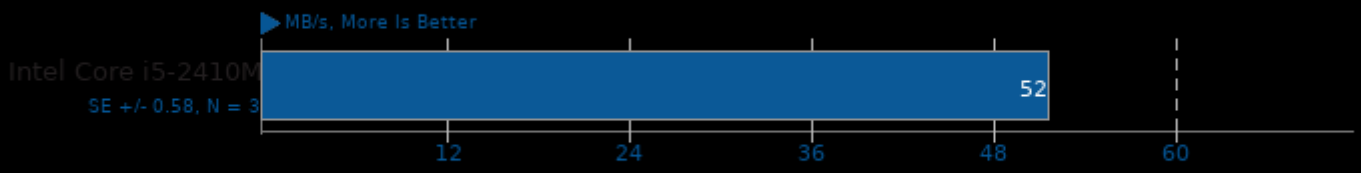
Test: Brotli 2 - Process: Decompression



1. (CXX) g++ options: -pthread -fomit-frame-pointer -fstrict-aliasing -ffast-math -O3

lzbench 1.8

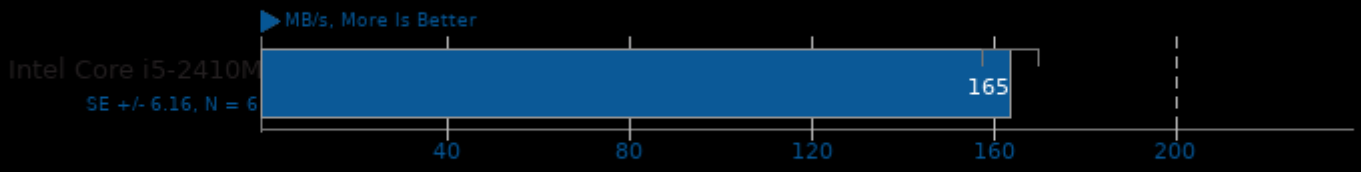
Test: Brotli 2 - Process: Compression



1. (CXX) g++ options: -pthread -fomit-frame-pointer -fstrict-aliasing -ffast-math -O3

lzbench 1.8

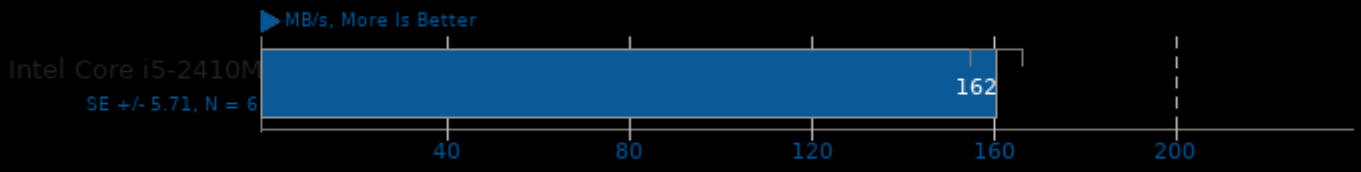
Test: Brotli 0 - Process: Decompression



1. (CXX) g++ options: -pthread -fomit-frame-pointer -fstrict-aliasing -ffast-math -O3

lzbench 1.8

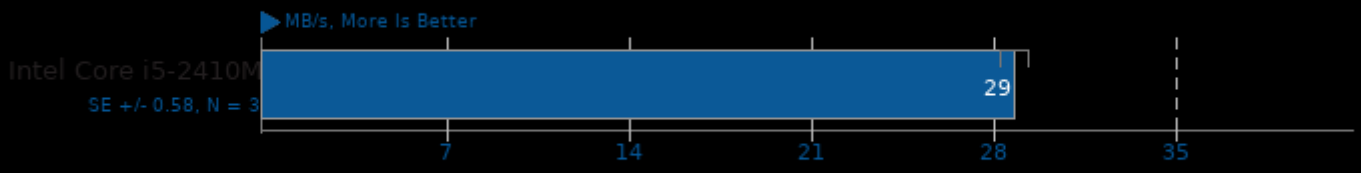
Test: Brotli 0 - Process: Compression



1. (CXX) g++ options: -pthread -fomit-frame-pointer -fstrict-aliasing -ffast-math -O3

lzbench 1.8

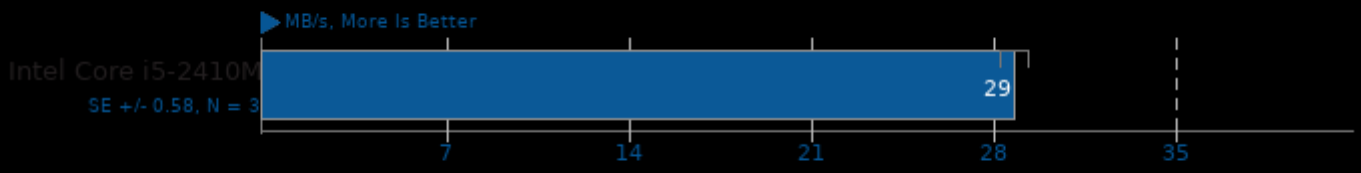
Test: Crush 0 - Process: Decompression



1. (CXX) g++ options: -pthread -fomit-frame-pointer -fstrict-aliasing -ffast-math -O3

lzbench 1.8

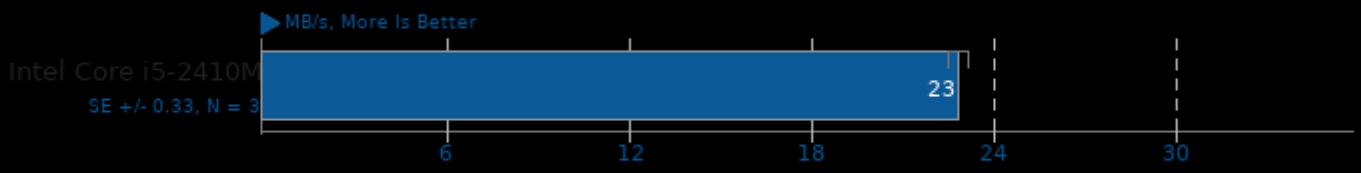
Test: Crush 0 - Process: Compression



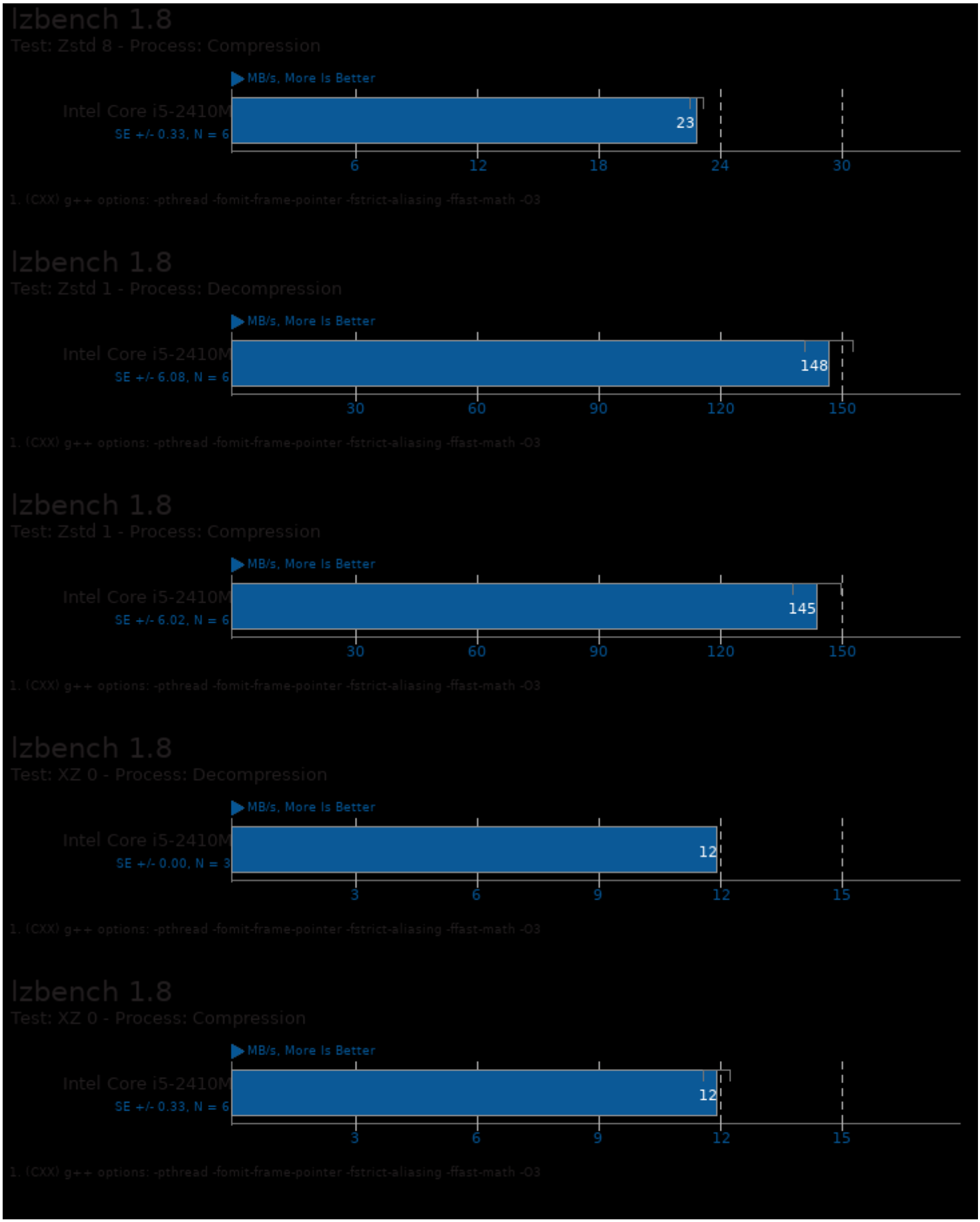
1. (CXX) g++ options: -pthread -fomit-frame-pointer -fstrict-aliasing -ffast-math -O3

lzbench 1.8

Test: Zstd 8 - Process: Decompression



1. (CXX) g++ options: -pthread -fomit-frame-pointer -fstrict-aliasing -ffast-math -O3



This file was automatically generated via the Phoronix Test Suite benchmarking software on Friday, 29 March 2024

08:08.