

www.phoronix-test-suite.com

tgl svt-av1 1.2

Intel Core i7-1165G7 testing with a Dell 0GG9PT (3.3.0 BIOS) and Intel Xe TGL GT2 3GB on Ubuntu 21.10 via the Phoronix Test Suite.

Automated Executive Summary

B had the most wins, coming in first place for 50% of the tests.

Based on the geometric mean of all complete results, the fastest (B) was 1.01x the speed of the slowest (C). A was 0.995x the speed of B and C was 0.995x the speed of A.

Test Systems:

A

B

tgl svt-av1 1.2

C

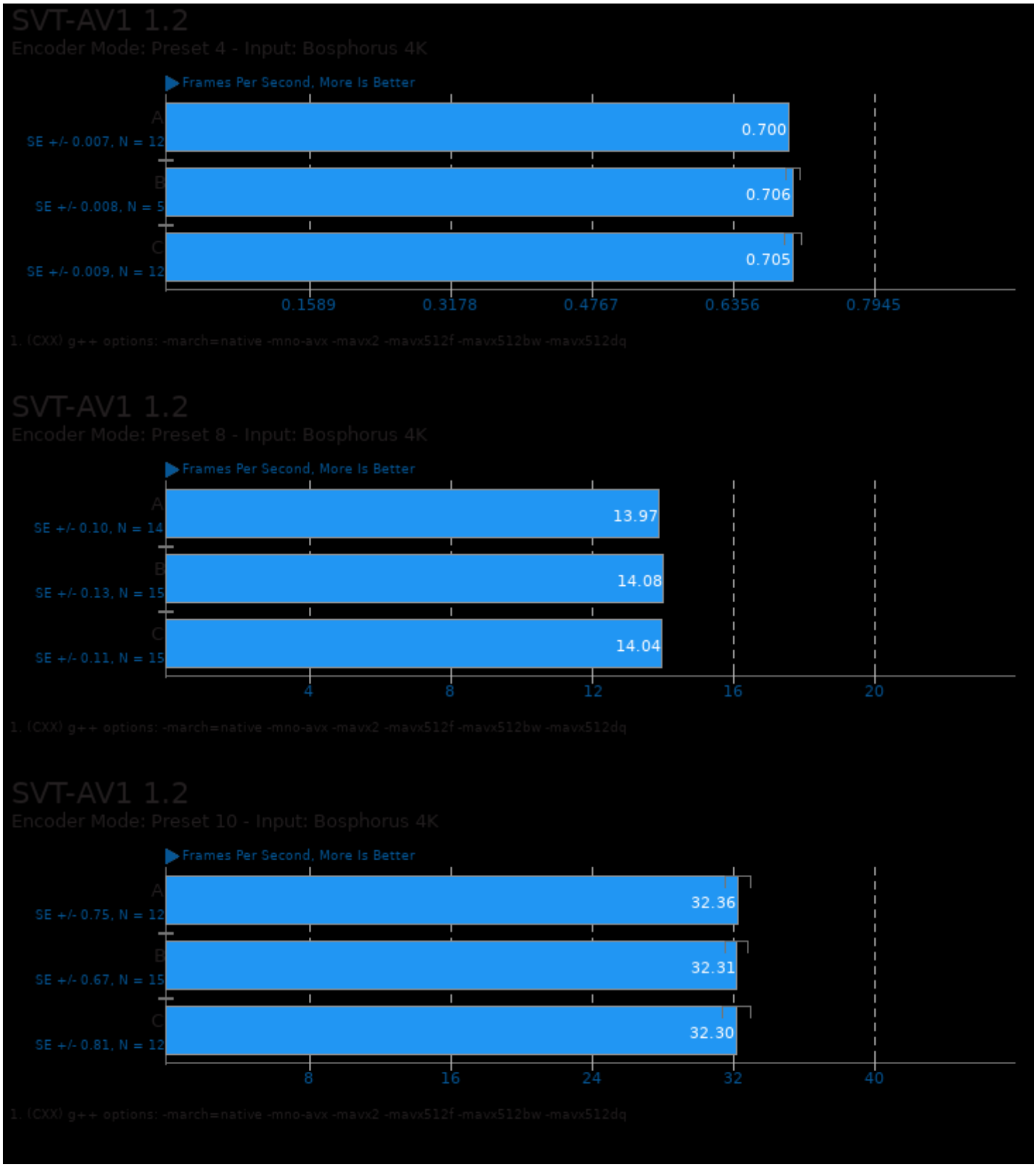
Processor: Intel Core i7-1165G7 @ 4.70GHz (4 Cores / 8 Threads), Motherboard: Dell 0GG9PT (3.3.0 BIOS), Chipset: Intel Tiger Lake-LP, Memory: 16GB, Disk: Kioxia KBG40ZNS256G NVMe 256GB, Graphics: Intel Xe TGL GT2 3GB (1300MHz), Audio: Realtek ALC289, Network: Intel Wi-Fi 6 AX201

OS: Ubuntu 21.10, Kernel: 5.13.0-52-generic (x86_64), Desktop: GNOME Shell 40.5, Display Server: X Server + Wayland, OpenGL: 4.6 Mesa 21.2.2, Vulkan: 1.2.182, Compiler: GCC 11.2.0, File-System: ext4, Screen Resolution: 1920x1200

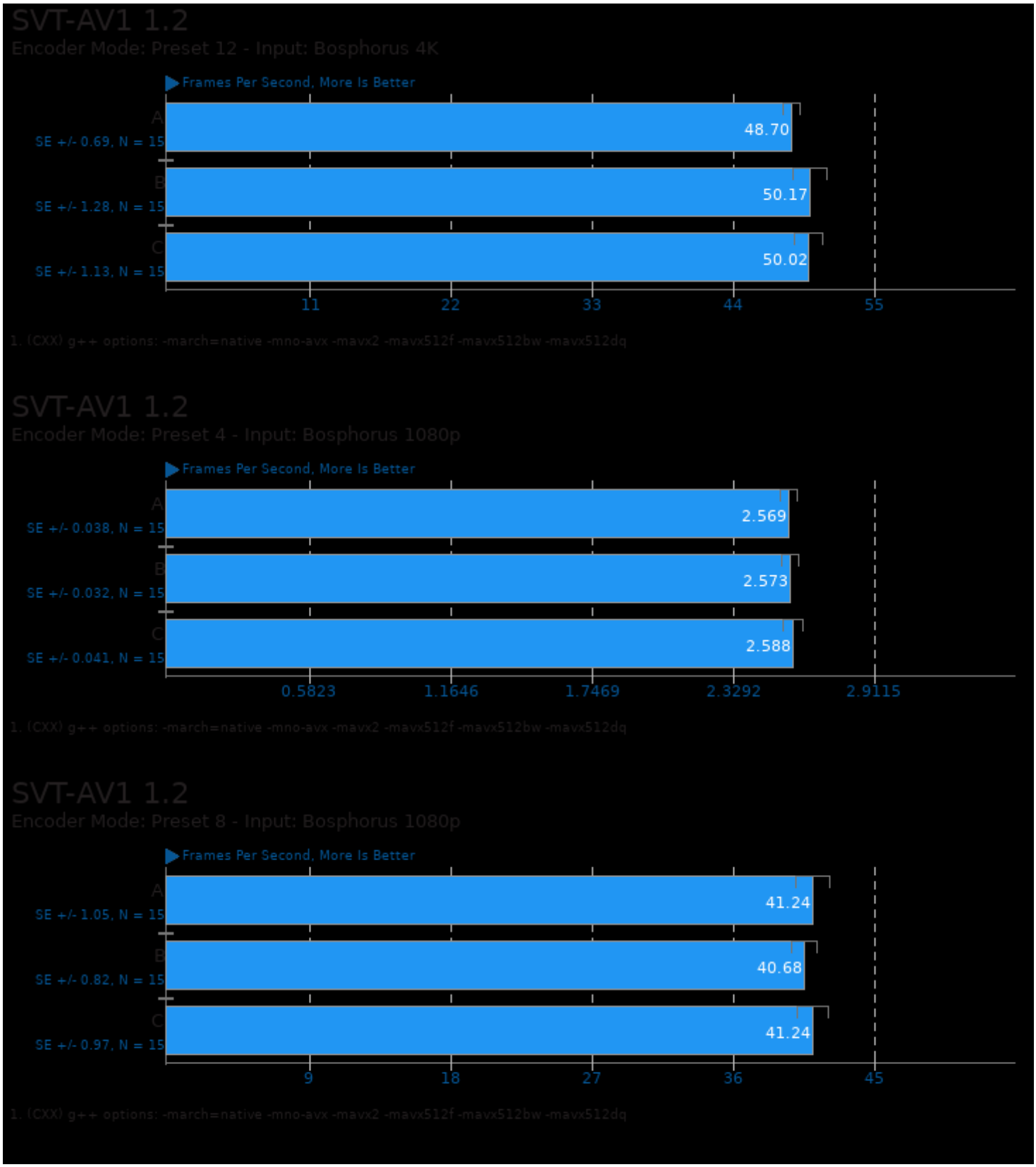
Kernel Notes: Transparent Huge Pages: madvise
Compiler Notes: --build=x86_64-linux-gnu --disable-vtable-verify --disable-werror --enable-bootstrap --enable-cet --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-gnu-unique-object --enable-languages=c,ada,c++,go,brig,d,fortran,objc,obj-c++,m2 --enable-libphobos-checking=release --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-link-serialization=2 --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc=auto --enable-offload-targets=nvptx-none=/build/gcc-11-ZPT0kp/gcc-11-11.2.0/debian/tmp-nvptx/usr,amdgcn-amdhsa=/build/gcc-11-ZPT0kp/gcc-11-11.2.0/debian/tmp-gcn/usr --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
Processor Notes: Scaling Governor: intel_pstate powersave (EPP: balance_performance) - CPU Microcode: 0xa4 - Thermald 2.4.6
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + mmio_stale_data: 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 Enhanced IBRS IBPB: conditional RSB filling + srbds: Not affected + tsx_async_abort: Not affected

	A	B	C
SVT-AV1 - Preset 4 - Bosphorus 4K (FPS)	**0.700**	**0.706**	0.705
Normalized	99.15%	100%	99.86%
Standard Deviation	3.2%	2.5%	4.4%
SVT-AV1 - Preset 8 - Bosphorus 4K (FPS)	**13.969**	**14.076**	14.035
Normalized	99.24%	100%	99.71%
Standard Deviation	2.7%	3.6%	3.2%
SVT-AV1 - Preset 10 - Bosphorus 4K (FPS)	**32.355**	32.310	**32.296**
Normalized	100%	99.86%	99.82%
Standard Deviation	8.1%	8%	8.7%
SVT-AV1 - Preset 12 - Bosphorus 4K (FPS)	**48.696**	**50.166**	50.016
Normalized	97.07%	100%	99.7%
Standard Deviation	5.5%	9.8%	8.7%
SVT-AV1 - Preset 4 - Bosphorus 1080p (FPS)	**2.569**	2.573	**2.588**
Normalized	99.27%	99.42%	100%
Standard Deviation	5.7%	4.8%	6.1%
SVT-AV1 - Preset 8 - Bosphorus 1080p (FPS)	41.237	**40.677**	**41.239**
Normalized	100%	98.64%	100%
Standard Deviation	9.9%	7.8%	9.2%
SVT-AV1 - Preset 10 - Bosphorus 1080p	116.983	**117.730**	**107.611**
Normalized	99.37%	100%	91.4%
Standard Deviation	1.7%	1.2%	9%
SVT-AV1 - Preset 12 - Bosphorus 1080p	**234.913**	**234.473**	234.791
Normalized	100%	99.81%	99.95%
Standard Deviation	0.3%	0.5%	0.6%

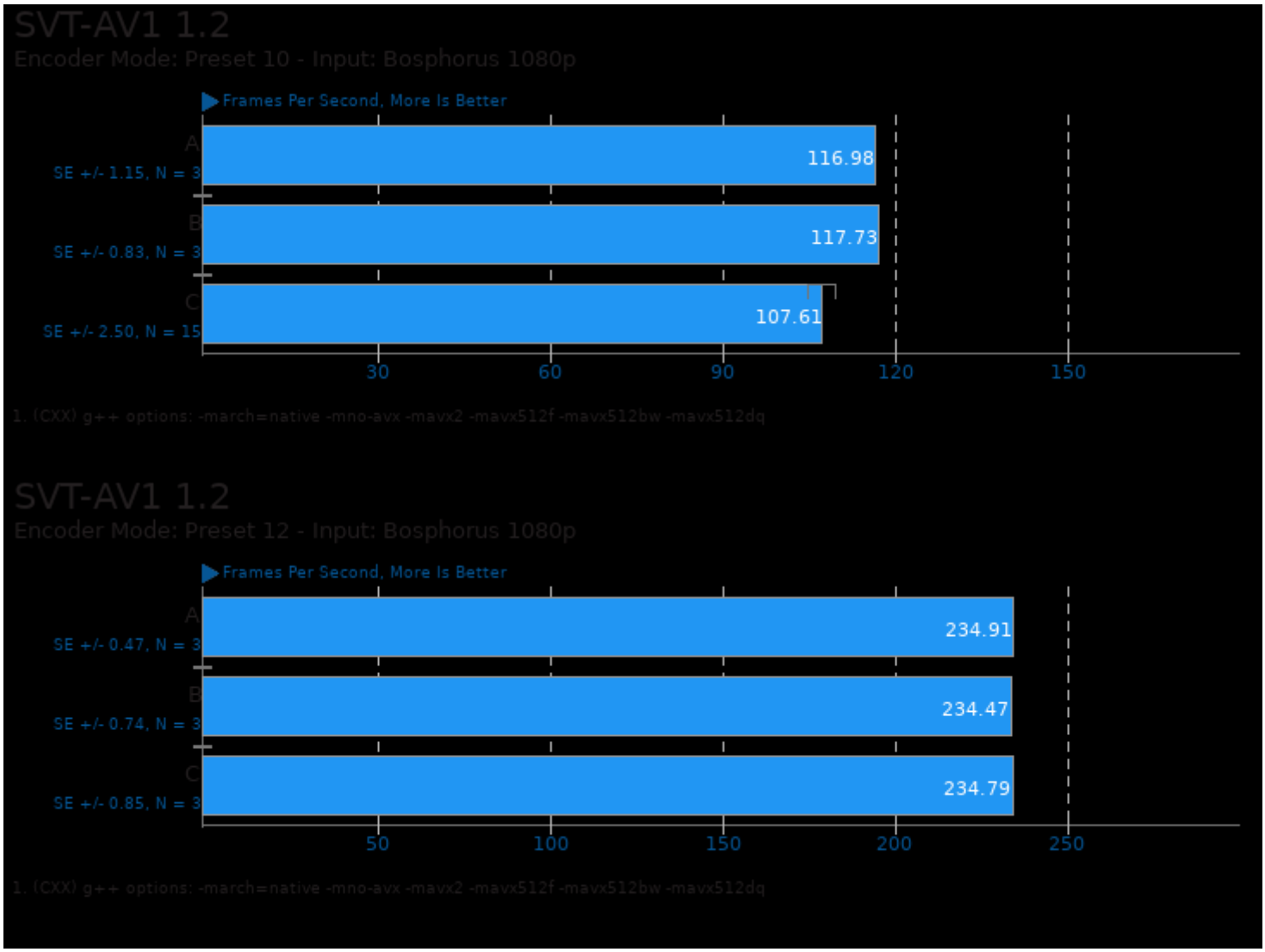
tgl svt-av1 1.2



tgl svt-av1 1.2



tgl svt-av1 1.2



This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 09:47.