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svt-av1 1.2 tigerlake

Intel Core i7-1185G7 testing with a Dell 0DXP1F (3.7.0 BIOS) and Intel Xe TGL GT2 15GB on Ubuntu 22.04 via the Phoronix Test Suite.

Automated Executive Summary

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

Based on the geometric mean of all complete results, the fastest (A) was 1.01x the speed of the slowest (B). C was 0.99x the speed of A and B was 1x the speed of C.

Test Systems:

A

B

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C

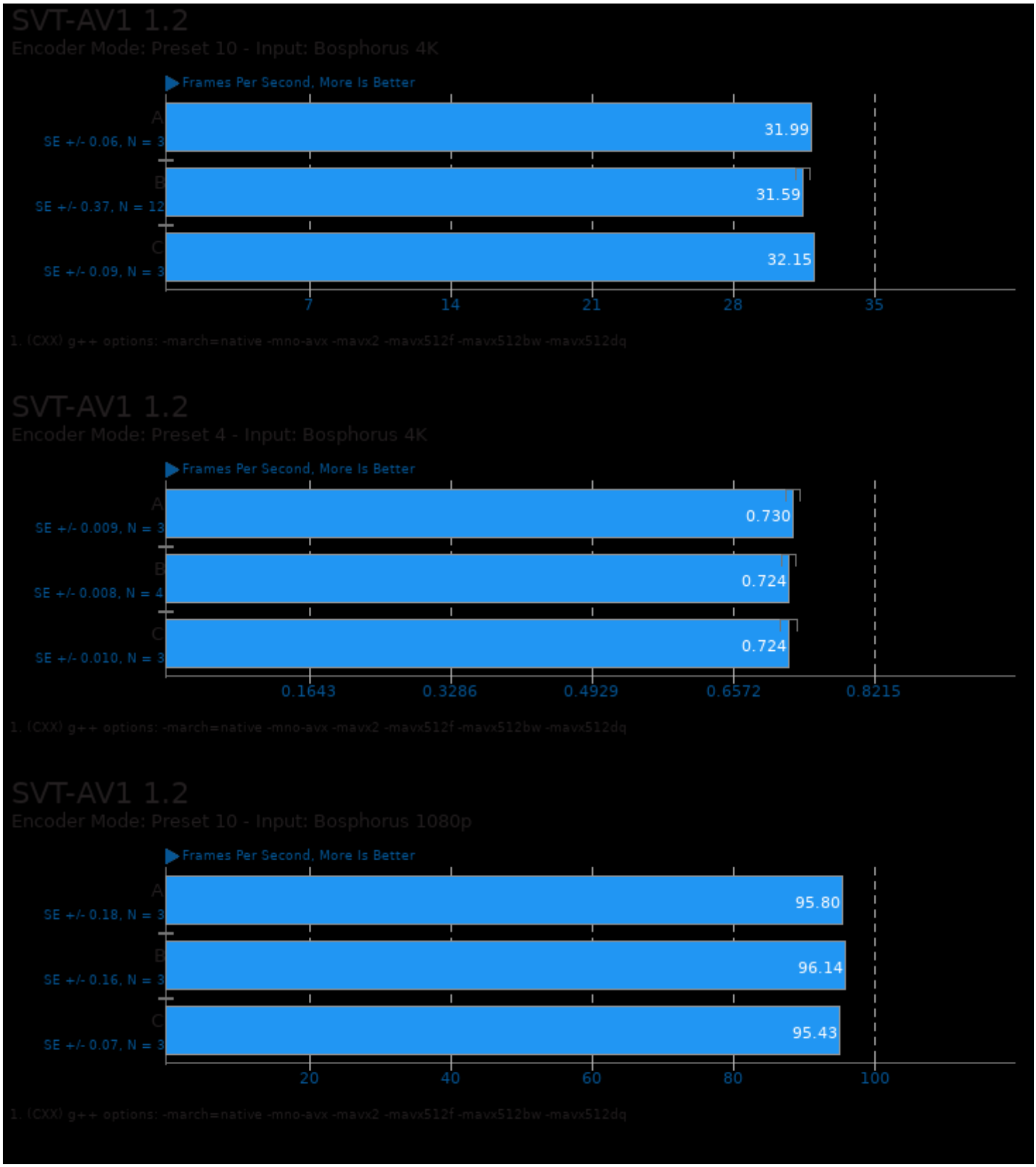
Processor: Intel Core i7-1185G7 @ 4.80GHz (4 Cores / 8 Threads), Motherboard: Dell 0DXP1F (3.7.0 BIOS), Chipset: Intel Tiger Lake-LP, Memory: 16GB, Disk: Micron 2300 NVMe 512GB, Graphics: Intel Xe TGL GT2 15GB (1350MHz), Audio: Realtek ALC289, Network: Intel Wi-Fi 6 AX201

OS: Ubuntu 22.04, Kernel: 5.18.8-051808-generic (x86_64), Desktop: GNOME Shell 42.2, Display Server: X Server + Wayland, OpenGL: 4.6 Mesa 22.0.1, Vulkan: 1.3.204, Compiler: GCC 11.2.0, File-System: ext4, Screen Resolution: 1920x1200

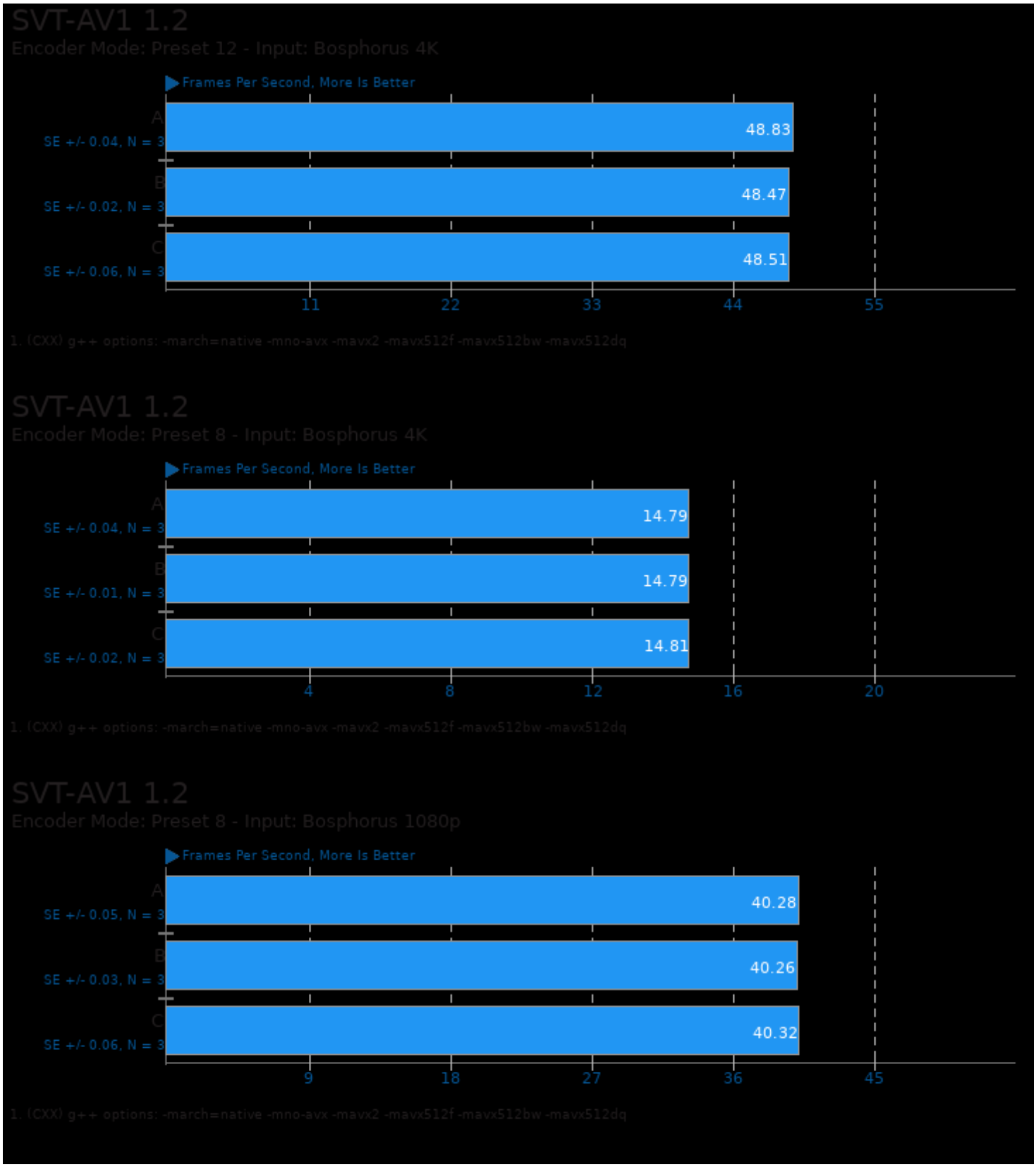
Kernel Notes: Transparent Huge Pages: madvise
Compiler Notes: --build=x86_64-linux-gnu --disable-vtable-verify --disable-werror --enable-bootstrap --enable-cet --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-gnu-unique-object --enable-languages=c,ada,c++,go,brig,d,fortran,objc,obj-c++,m2 --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-gBFGDP/gcc-11-11.2.0/debian/tmp-nvptx/usr,amdgcn-amdhsa=/build/gcc-11-gBFGDP/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 2.4.9
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 + 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 10 - Bosphorus 4K (FPS)	31.986	**31.585**	**32.147**
Normalized	99.5%	98.25%	100%
Standard Deviation	0.3%	4.1%	0.5%
SVT-AV1 - Preset 4 - Bosphorus 4K (FPS)	**0.730**	**0.724**	**0.724**
Normalized	100%	99.18%	99.18%
Standard Deviation	2.1%	2.2%	2.4%
SVT-AV1 - Preset 10 - Bosphorus 1080p	95.797	**96.143**	**95.429**
Normalized	99.64%	100%	99.26%
Standard Deviation	0.3%	0.3%	0.1%
SVT-AV1 - Preset 12 - Bosphorus 4K (FPS)	**48.828**	**48.470**	48.514
Normalized	100%	99.27%	99.36%
Standard Deviation	0.1%	0.1%	0.2%
SVT-AV1 - Preset 8 - Bosphorus 4K (FPS)	14.794	**14.787**	**14.811**
Normalized	99.89%	99.84%	100%
Standard Deviation	0.4%	0.1%	0.2%
SVT-AV1 - Preset 8 - Bosphorus 1080p (FPS)	40.275	**40.264**	**40.319**
Normalized	99.89%	99.86%	100%
Standard Deviation	0.2%	0.1%	0.3%
SVT-AV1 - Preset 4 - Bosphorus 1080p (FPS)	**2.571**	2.569	**2.568**
Normalized	100%	99.92%	99.88%
Standard Deviation	0.3%	0.3%	0.1%
SVT-AV1 - Preset 12 - Bosphorus 1080p	**229.843**	217.836	**215.496**
Normalized	100%	94.78%	93.76%
Standard Deviation	9.1%	6.3%	5.9%

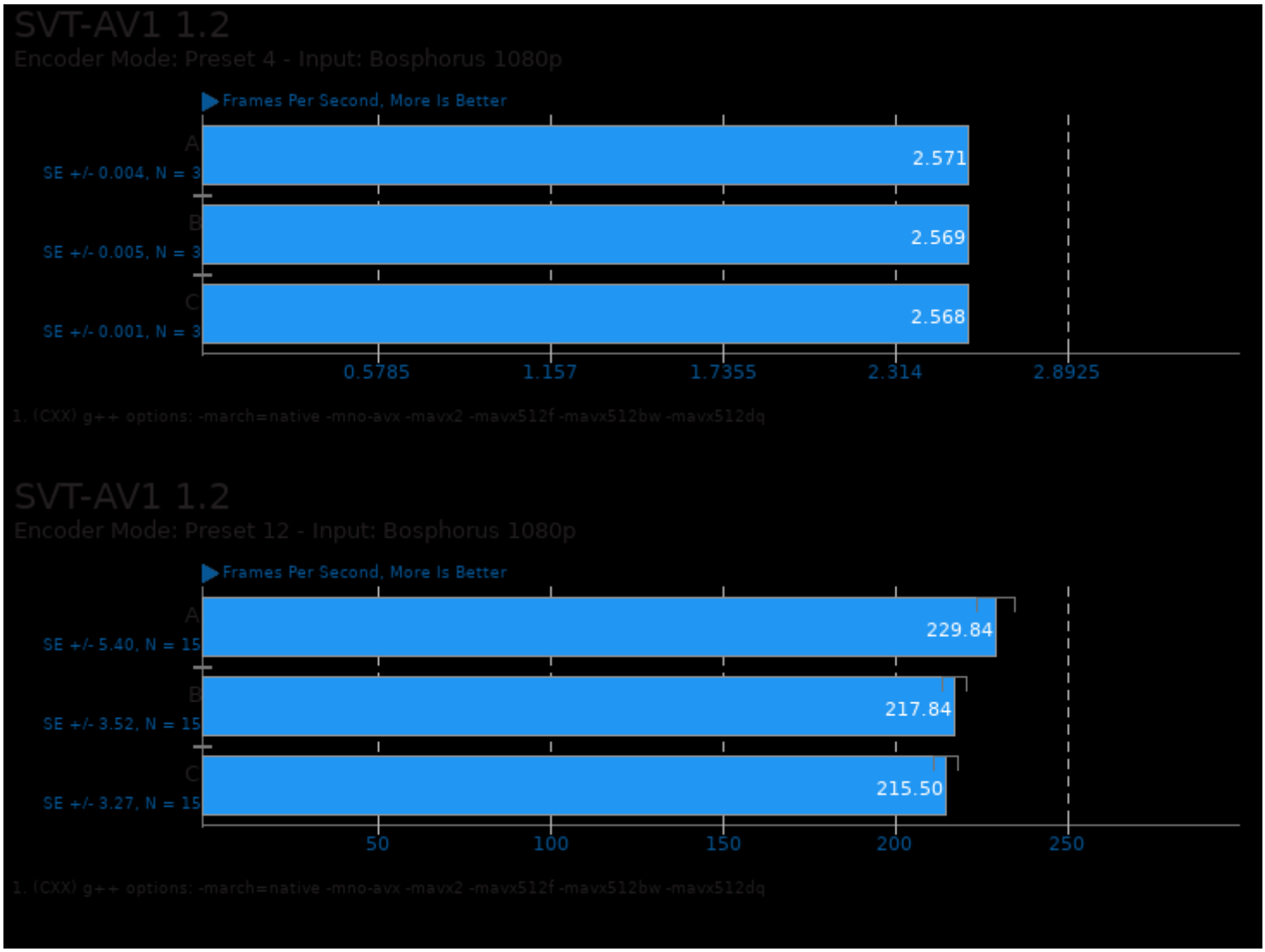
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This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 14:22.