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svt av1 comet

Intel Core i7-10700T testing with a Logic Supply RXM-181 (Z01-0002A026 BIOS) and Intel UHD 630 CML GT2 3GB on Ubuntu 21.04 via the Phoronix Test Suite.

Automated Executive Summary

B had the most wins, coming in first place for 62% of the tests.

Based on the geometric mean of all complete results, the fastest (B) was 1.014x the speed of the slowest (A). C was 0.999x the speed of B and A was 0.987x the speed of C.

Test Systems:

A

B

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C

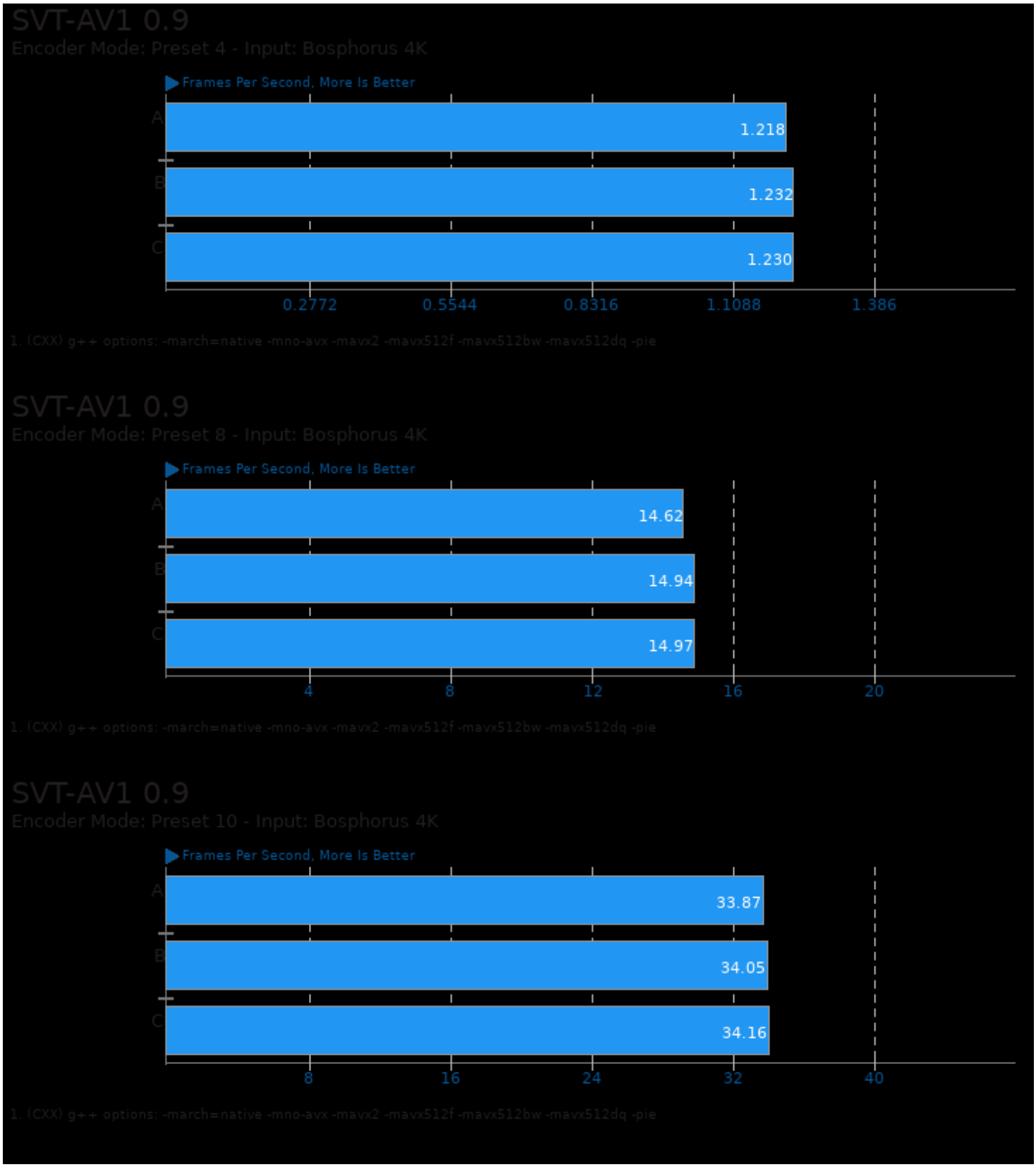
Processor: Intel Core i7-10700T @ 4.50GHz (8 Cores / 16 Threads), Motherboard: Logic Supply RXM-181 (Z01-0002A026 BIOS), Chipset: Intel Comet Lake PCH, Memory: 32GB, Disk: 256GB TS256GMTS800, Graphics: Intel UHD 630 CML GT2 3GB (1200MHz), Audio: Realtek ALC233, Monitor: DELL P2415Q, Network: Intel I219-LM + Intel I210

OS: Ubuntu 21.04, Kernel: 5.11.0-41-generic (x86_64), Desktop: GNOME Shell 3.38.4, Display Server: X Server + Wayland, OpenGL: 4.6 Mesa 21.0.1, Vulkan: 1.2.145, Compiler: GCC 10.3.0, File-System: ext4, Screen Resolution: 1920x1080

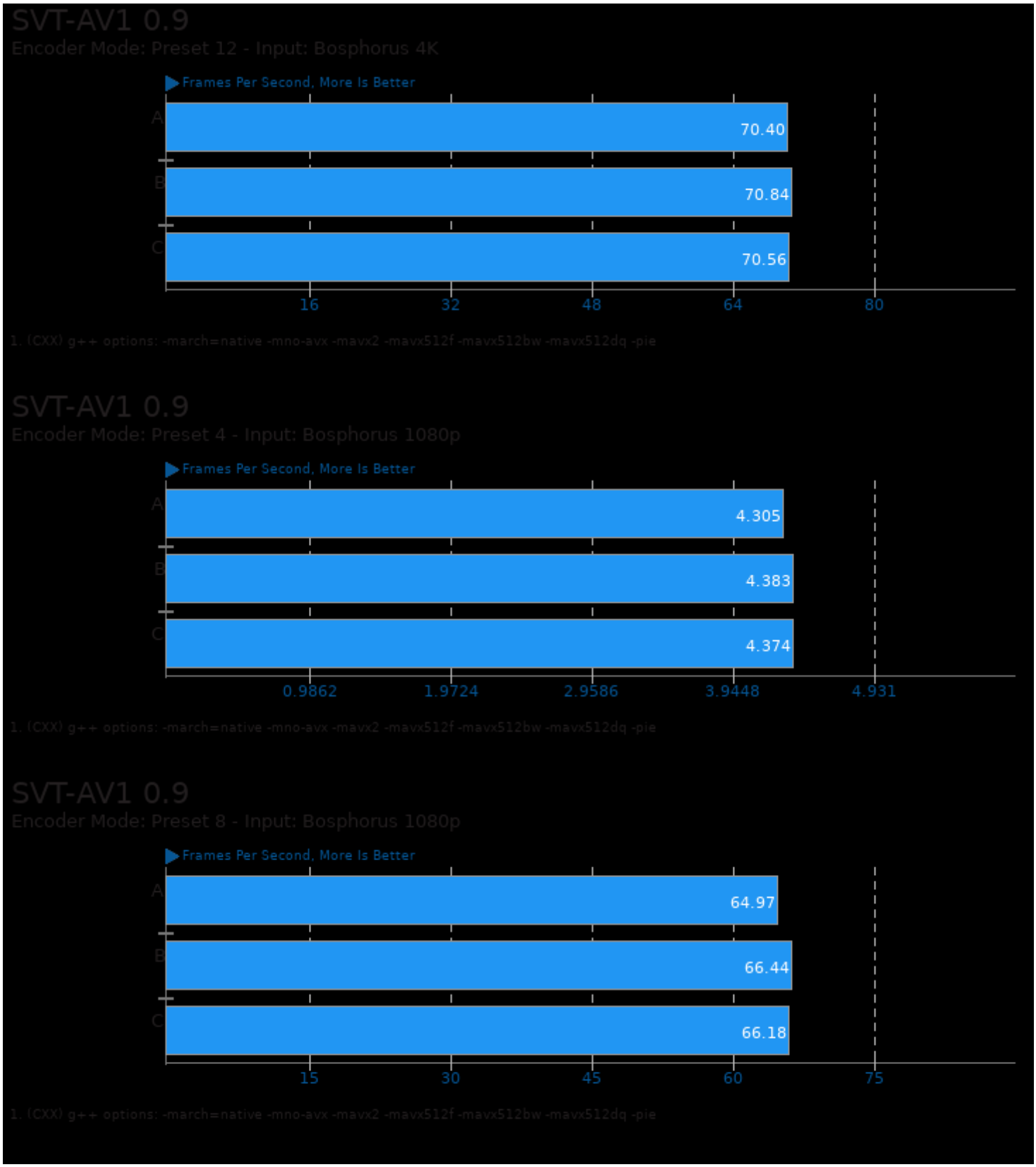
Kernel Notes: Transparent Huge Pages: madvise
Compiler Notes: --build=x86_64-linux-gnu --disable-vtable-verify --disable-werror --enable-bootstrap --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-gnu-unique-object --enable-languages=c,ada,c++,go,brig,d,fortran,objc,obj-c++,m2 --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-gDeRY6/gcc-10-10.3.0/debian/tmp-nvptx/usr,amdgcn-amdhsa=/build/gcc-10-gDeRY6/gcc-10-10.3.0/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
Processor Notes: Scaling Governor: intel_pstate powersave (EPP: balance_performance) - CPU Microcode: 0xec - Thermald 2.4.3
Security Notes: itlb_multihit: KVM: Mitigation of VMX disabled + 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 Enhanced IBRS IBPB: conditional RSB filling + srbds: Not affected + tsx_async_abort: Not affected

	A	B	C
SVT-AV1 - Preset 4 - Bosphorus 4K (FPS)	**1.218**	**1.232**	1.23
Normalized	98.86%	100%	99.84%
SVT-AV1 - Preset 8 - Bosphorus 4K (FPS)	**14.621**	14.942	**14.974**
Normalized	97.64%	99.79%	100%
SVT-AV1 - Preset 10 - Bosphorus 4K (FPS)	**33.87**	34.049	**34.157**
Normalized	99.16%	99.68%	100%
SVT-AV1 - Preset 12 - Bosphorus 4K (FPS)	**70.396**	**70.837**	70.559
Normalized	99.38%	100%	99.61%
SVT-AV1 - Preset 4 - Bosphorus 1080p (FPS)	**4.305**	**4.383**	4.374
Normalized	98.22%	100%	99.79%
SVT-AV1 - Preset 8 - Bosphorus 1080p (FPS)	**64.971**	**66.438**	66.178
Normalized	97.79%	100%	99.61%
SVT-AV1 - Preset 10 - Bosphorus 1080p	**179.469**	**182.042**	181.088
Normalized	98.59%	100%	99.48%
SVT-AV1 - Preset 12 - Bosphorus 1080p	**340.725**	346.16	**346.685**
Normalized	98.28%	99.85%	100%

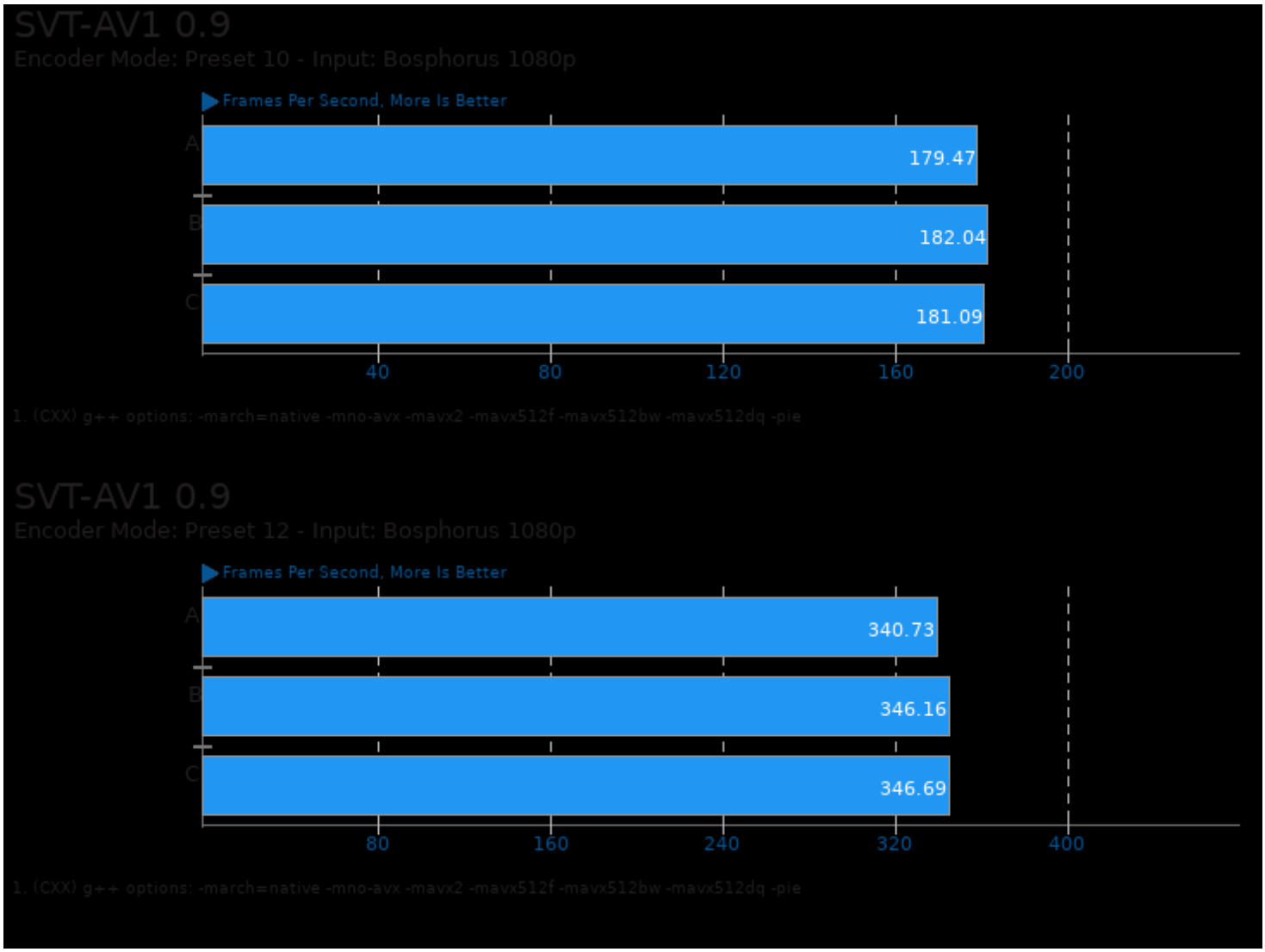
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This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 08:07.