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3400g avifenc

AMD Ryzen 5 3400G testing with a ASUS PRIME B450M-A (2006 BIOS) and ASUS AMD Picasso 2GB on Ubuntu 19.10 via the Phoronix Test Suite.

Automated Executive Summary

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

Based on the geometric mean of all complete results, the fastest (2) was 1x the speed of the slowest (1). 2 was 1x the speed of 3 and 1 was 1x the speed of 2.

Test Systems:

1

2

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3

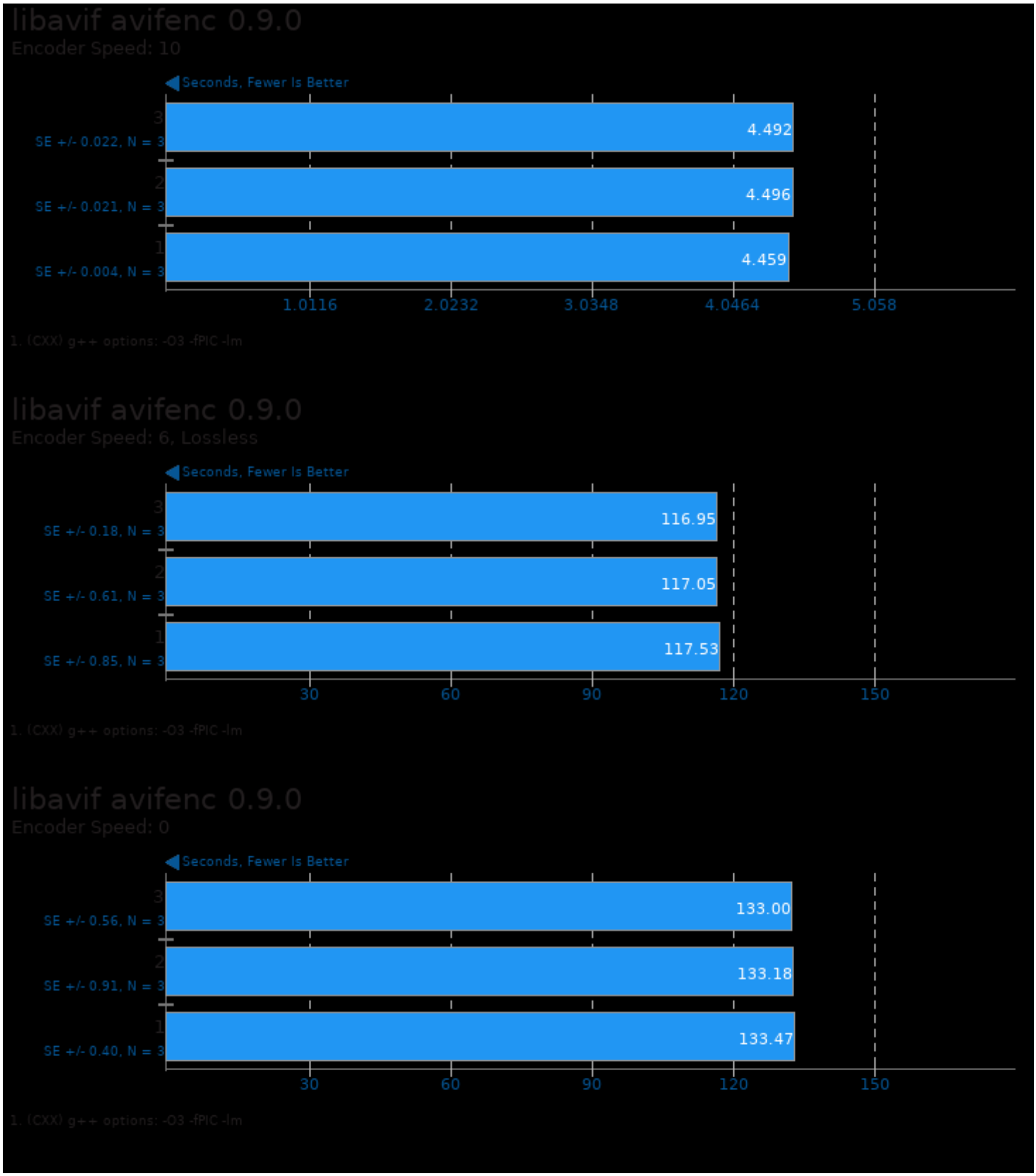
Processor: AMD Ryzen 5 3400G @ 3.70GHz (4 Cores / 8 Threads), Motherboard: ASUS PRIME B450M-A (2006 BIOS), Chipset: AMD Raven/Raven2, Memory: 2 x 8192 MB DDR4-3000MT/s CRUCIAL, Disk: 29GB INTEL MEMPEK1W032GA + 4 x 6001GB Seagate ST6000VN0033-2EE, Graphics: ASUS AMD Picasso 2GB (1400/1500MHz), Audio: AMD Raven/Raven2/Fenghuang, Monitor: SyncMaster, Network: Realtek RTL8111/8168/8411

OS: Ubuntu 19.10, Kernel: 5.3.0-46-generic (x86_64), Desktop: GNOME Shell 3.34.1, Display Server: X Server, Display Driver: asus, Vulkan: 1.1.107, Compiler: GCC 9.2.1 20191008, File-System: ext4, Screen Resolution: 1280x800

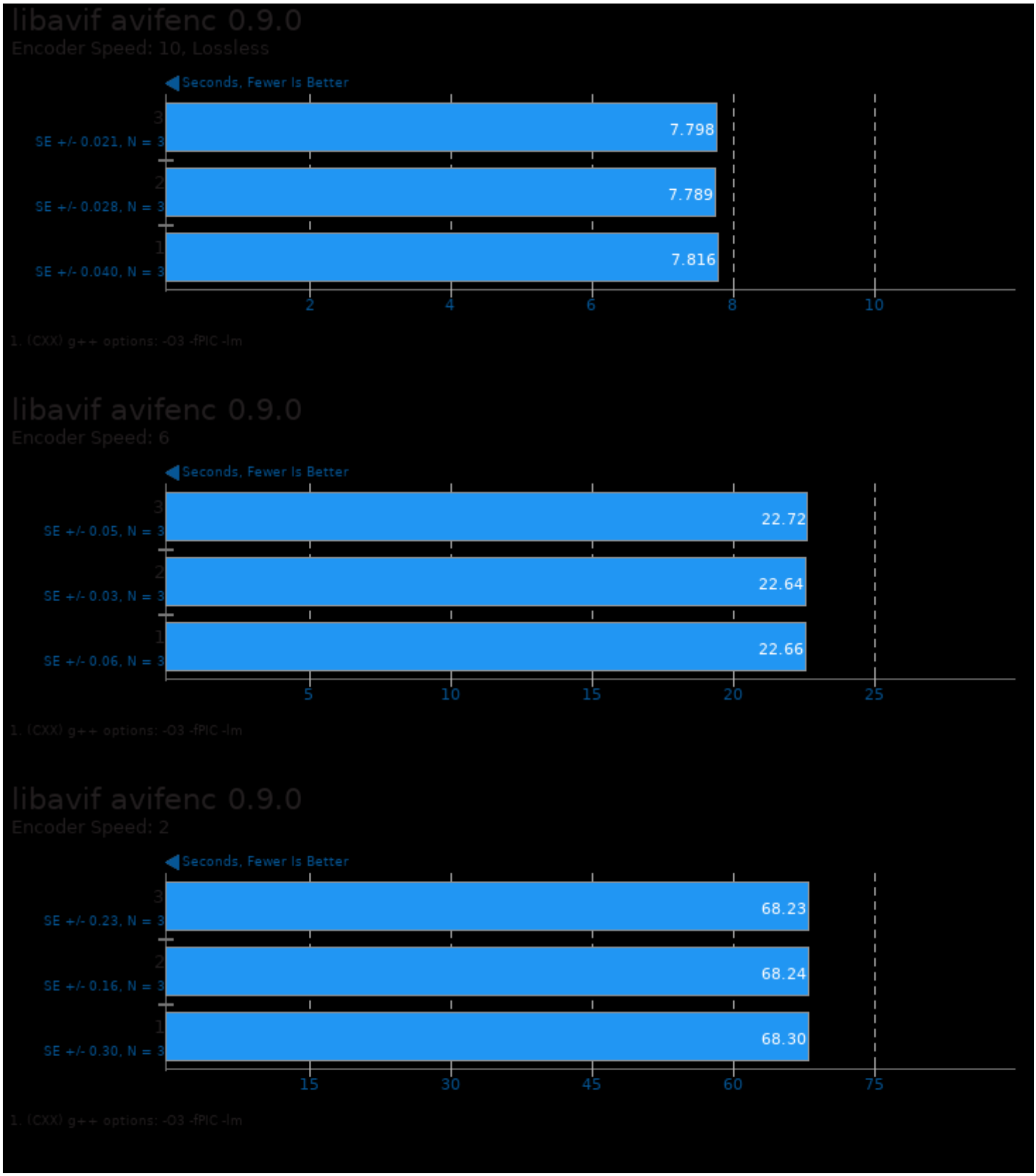
Kernel Notes: Transparent Huge Pages: madvise
Compiler Notes: --build=x86_64-linux-gnu --disable-vtable-verify --disable-werror --enable-bootstrap --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-gnu-unique-object --enable-languages=c,ada,c++,go,brig,d,fortran,objc,obj-c++,gm2 --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --enable-nls --enable-offload-targets=nvptx-none,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-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: acpi-cpufreq ondemand (Boost: Enabled) - CPU Microcode: 0x8108109
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 STIBP: disabled RSB filling + tsx_async_abort: Not affected

	1	2	3
libavif avifenc - 10 (sec)	**4.459**	**4.496**	4.492
Normalized	100%	99.18%	99.27%
Standard Deviation	0.1%	0.8%	0.9%
libavif avifenc - 6, Lossless (sec)	**117.533**	117.045	**116.953**
Normalized	99.51%	99.92%	100%
Standard Deviation	1.3%	0.9%	0.3%
libavif avifenc - 0 (sec)	**133.466**	133.177	**132.998**
Normalized	99.65%	99.87%	100%
Standard Deviation	0.5%	1.2%	0.7%
libavif avifenc - 10, Lossless (sec)	**7.816**	**7.789**	7.798
Normalized	99.65%	100%	99.88%
Standard Deviation	0.9%	0.6%	0.5%
libavif avifenc - 6 (sec)	22.661	**22.642**	**22.718**
Normalized	99.92%	100%	99.67%
Standard Deviation	0.4%	0.2%	0.4%
libavif avifenc - 2 (sec)	**68.296**	68.242	**68.232**
Normalized	99.91%	99.99%	100%
Standard Deviation	0.8%	0.4%	0.6%

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This file was automatically generated via the Phoronix Test Suite benchmarking software on Friday, 29 March 2024 06:41.