



aom-av1-base

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Test Systems:

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Processor: ARMv8 Neoverse-N1 (160 Cores), Motherboard: Oracle TLA MB TRAY A1-2c (77015000 BIOS), Memory: 1008GB, Disk: 161GB BlockVolume

OS: Ubuntu 22.04, Kernel: 5.15.0-1040-oracle (aarch64), Vulkan: 1.3.238, Compiler: Clang 14.0.0-1ubuntu1.1 + GCC 11.4.0, File-System: ext4

Kernel Notes: libiscsi.debug_libiscsi_eh=1 - Transparent Huge Pages: madvise

Environment

Flags: -fwrapv:-fno-strict-aliasing:-fstrict-enums:-fno-delete-null-pointer-checks:-fconstrain-shift-value:-fno-finite-loops:-fno-constrain-bool-value:-fno-use-default-alignmen
t:-fdrop-inbounds-from-gep -mllvm -disable-oob-analysis:-mllvm -zero-uninit-loads:-mllvm
-disable-object-based-analysis:-fcheck-div-rem-overflow:-fdrop-noalias-restrict-attr:-fdrop-align-attr:-fdrop-deref-attr:-Xclang
-no-enable-noundef-analysis:-fdrop-ub-builtins:-all" LDFLAGS=

Notes:

Security Notes: itlb_multihit: Not affected + I1tf: Not affected + mds: Not affected + meltdown: Not affected + mmio_stale_data: Not affected + retbleed: Not affected + spec_store_bypass: Mitigation of SSB disabled via prctl + spectre_v1: Mitigation of __user pointer sanitization + spectre_v2: Mitigation of CSV2 BHB + srbds: Not affected +

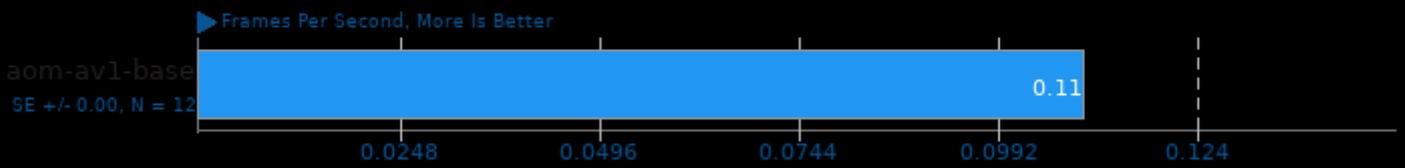
tsx_async_abort: Not affected

aom-av1-base

AOM AV1 - Speed 0 Two-Pass - Bosphorus 4K (FPS)	0.11
Standard Deviation	3.6%
AOM AV1 - Speed 4 Two-Pass - Bosphorus 4K (FPS)	3.56
Standard Deviation	6.9%
AOM AV1 - Speed 4 Two-Pass - Bosphorus 1080p (FPS)	6.78
Standard Deviation	3.4%
AOM AV1 - Speed 11 Realtime - Bosphorus 4K (FPS)	35.42
Standard Deviation	6%
AOM AV1 - Speed 9 Realtime - Bosphorus 4K (FPS)	35.45
Standard Deviation	7.6%
AOM AV1 - Speed 6 Two-Pass - Bosphorus 4K (FPS)	11.65
Standard Deviation	0.6%
AOM AV1 - Speed 0 Two-Pass - Bosphorus 1080p (FPS)	0.39
Standard Deviation	1.5%
AOM AV1 - Speed 10 Realtime - Bosphorus 1080p (FPS)	91.12
Standard Deviation	4.4%
AOM AV1 - Speed 6 Two-Pass - Bosphorus 1080p (FPS)	30.89
Standard Deviation	1.1%
AOM AV1 - Speed 11 Realtime - Bosphorus 1080p (FPS)	93.48
Standard Deviation	5.6%
AOM AV1 - Speed 6 Realtime - Bosphorus 4K (FPS)	35.78
Standard Deviation	2.4%
AOM AV1 - Speed 10 Realtime - Bosphorus 4K (FPS)	34.11
Standard Deviation	0.8%
AOM AV1 - Speed 8 Realtime - Bosphorus 4K (FPS)	35.55
Standard Deviation	1.1%
AOM AV1 - Speed 8 Realtime - Bosphorus 1080p (FPS)	91.21
Standard Deviation	2.1%
AOM AV1 - Speed 6 Realtime - Bosphorus 1080p (FPS)	87.27
Standard Deviation	1.4%
AOM AV1 - Speed 9 Realtime - Bosphorus 1080p (FPS)	94.87
Standard Deviation	1.7%

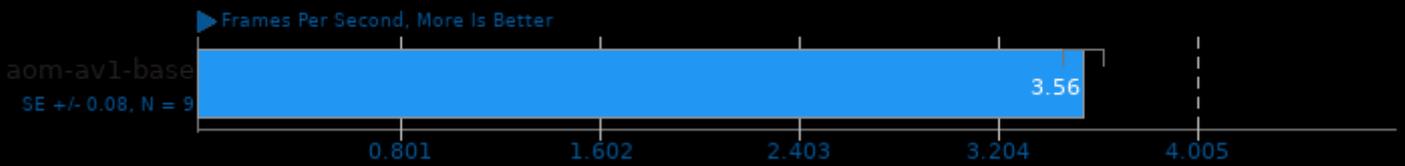
AOM AV1 3.7

Encoder Mode: Speed 0 Two-Pass - Input: Bosphorus 4K



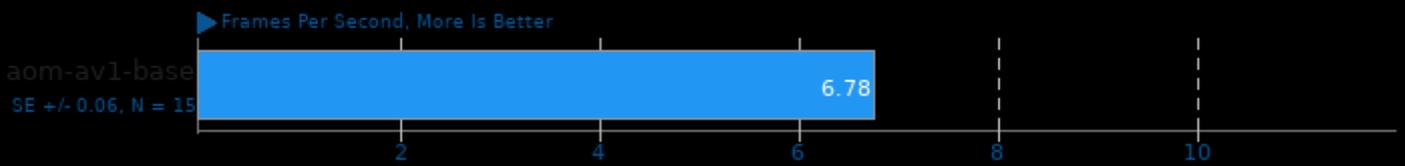
AOM AV1 3.7

Encoder Mode: Speed 4 Two-Pass - Input: Bosphorus 4K



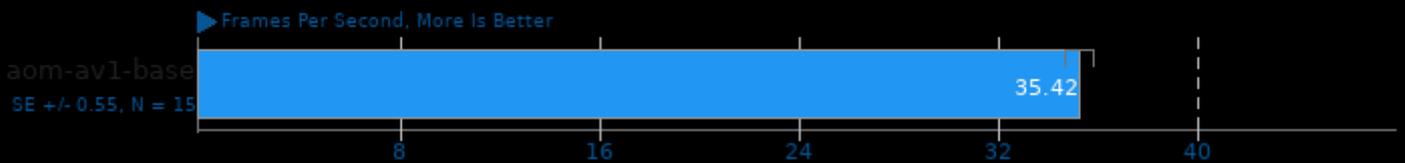
AOM AV1 3.7

Encoder Mode: Speed 4 Two-Pass - Input: Bosphorus 1080p



AOM AV1 3.7

Encoder Mode: Speed 11 Realtime - Input: Bosphorus 4K



AOM AV1 3.7

Encoder Mode: Speed 9 Realtime - Input: Bosphorus 4K



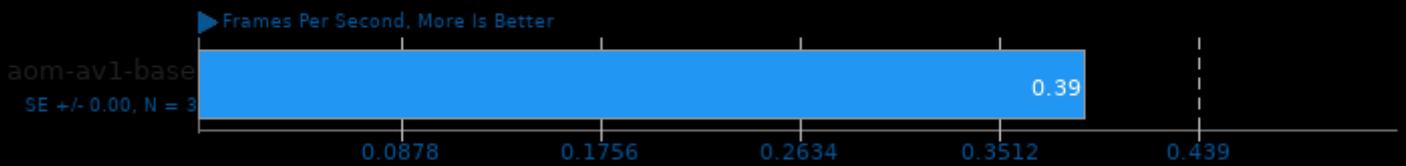
AOM AV1 3.7

Encoder Mode: Speed 6 Two-Pass - Input: Bosphorus 4K



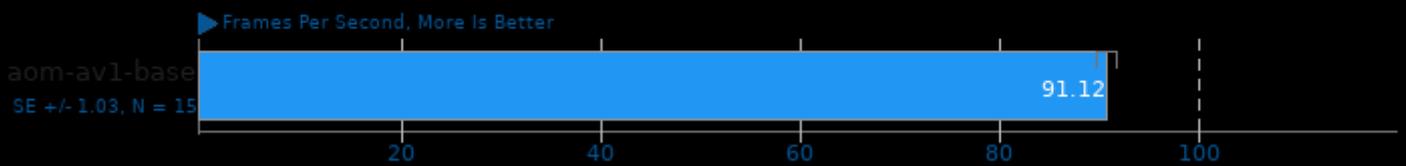
AOM AV1 3.7

Encoder Mode: Speed 0 Two-Pass - Input: Bosphorus 1080p



AOM AV1 3.7

Encoder Mode: Speed 10 Realtime - Input: Bosphorus 1080p



AOM AV1 3.7

Encoder Mode: Speed 6 Two-Pass - Input: Bosphorus 1080p



AOM AV1 3.7

Encoder Mode: Speed 11 Realtime - Input: Bosphorus 1080p



AOM AV1 3.7

Encoder Mode: Speed 6 Realtime - Input: Bosphorus 4K



AOM AV1 3.7

Encoder Mode: Speed 10 Realtime - Input: Bosphorus 4K



AOM AV1 3.7

Encoder Mode: Speed 8 Realtime - Input: Bosphorus 4K



AOM AV1 3.7

Encoder Mode: Speed 8 Realtime - Input: Bosphorus 1080p



AOM AV1 3.7

Encoder Mode: Speed 6 Realtime - Input: Bosphorus 1080p



AOM AV1 3.7

Encoder Mode: Speed 9 Realtime - Input: Bosphorus 1080p



This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 12 December 2024 16:45.