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rar-dav1d

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.

Test Systems:

1

2

3

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: 5.11.0-37-generic (x86_64), Desktop: GNOME Shell 3.38.4, Display Server: X Server +

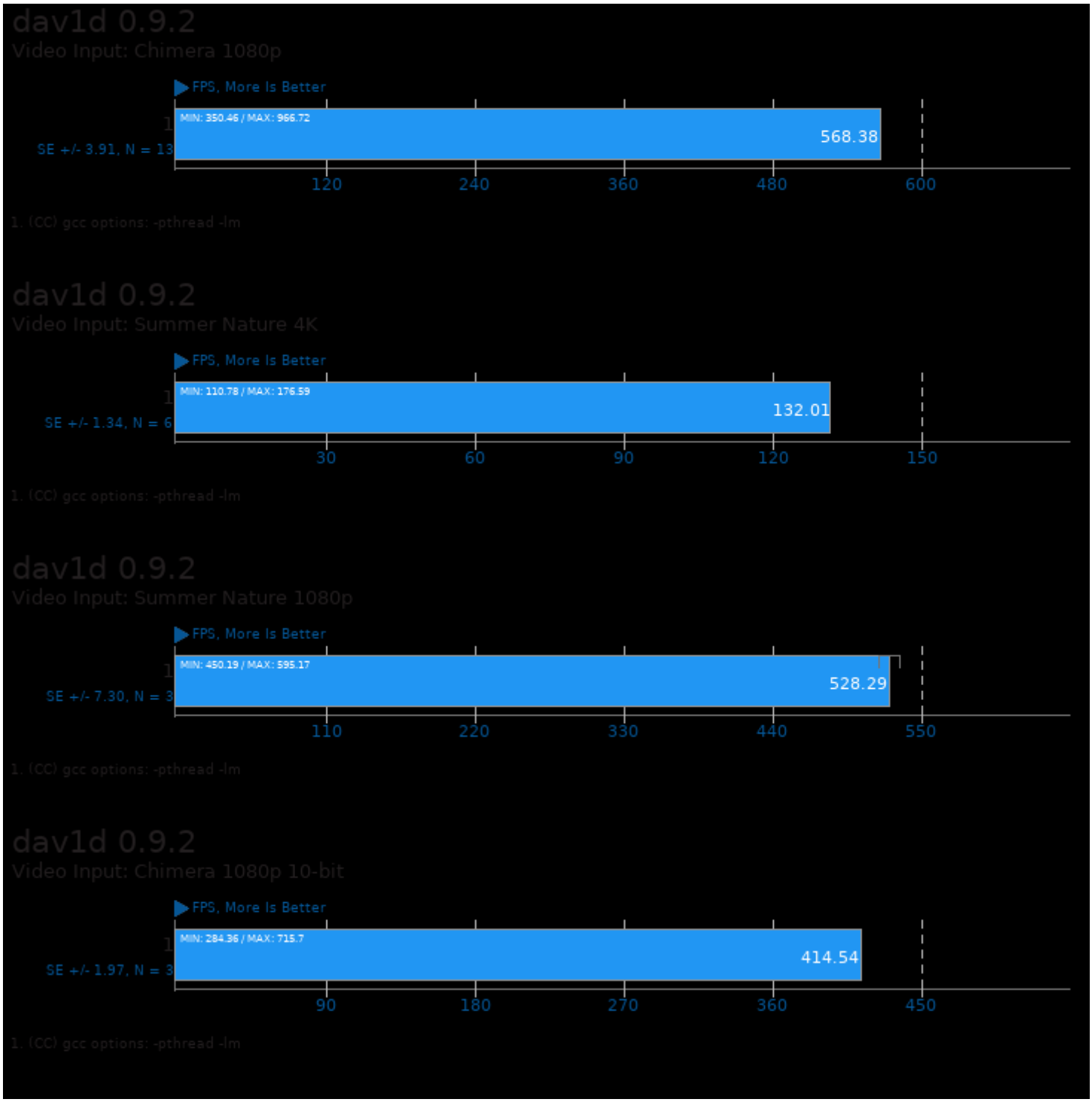
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Wayland, OpenGL: 4.6 Mesa 21.0.1, Vulkan: 1.2.145, Compiler: GCC 10.3.0, File-System: ext4, Screen Resolution: 1920x1080

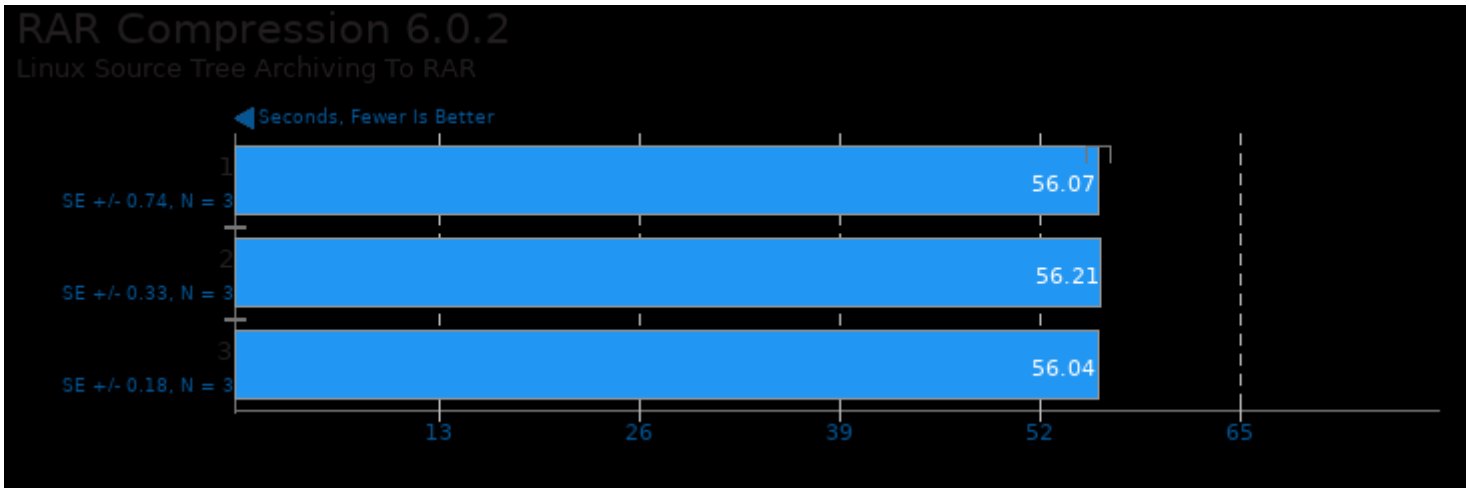
Kernel Notes: Transparent Huge Pages: madvise
Processor Notes: Scaling Governor: intel_pstate powersave - CPU Microcode: 0xec - Thermald 2.4.3
Security Notes: itlb_multihit: KVM: Mitigation of VMX disabled + l1tf: Not affected + mds: Not affected + meltdown: Not affected + spec_store_bypass: Mitigation 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

	1	2	3
dav1d - Chimera 1080p (FPS)	568.38		
Standard Deviation	2.5%		
dav1d - Summer Nature 4K (FPS)	132.01		
Standard Deviation	2.5%		
dav1d - S.N.1 (FPS)	528.29		
Standard Deviation	2.4%		
dav1d - C.1.1.b (FPS)	414.54		
Standard Deviation	0.8%		
RAR Compression - L.S.T.A.T.R (sec)	56.069	**56.210**	**56.035**
Normalized	99.94%	99.69%	100%
Standard Deviation	2.3%	1%	0.6%

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dav1d 0.9.2
Video Input: Chimera 1080p
FPS, More Is Better
MIN: 350.46 / MAX: 966.72
568.38
SE +/- 3.91, N = 13
120
240
360
480
600
1. (CC) gcc options: -pthread -lm
dav1d 0.9.2
Video Input: Summer Nature 4K
FPS, More Is Better
MIN: 110.78 / MAX: 176.59
132.01
SE +/- 1.34, N = 6
30
60
90
120
150
1. (CC) gcc options: -pthread -lm
dav1d 0.9.2
Video Input: Summer Nature 1080p
FPS, More Is Better
MIN: 450.19 / MAX: 595.17
528.29
SE +/- 7.30, N = 3
110
220
330
440
550
1. (CC) gcc options: -pthread -lm
dav1d 0.9.2
Video Input: Chimera 1080p 10-bit
FPS, More Is Better
MIN: 284.36 / MAX: 715.7
414.54
SE +/- 1.97, N = 3
90
180
270
360
450
1. (CC) gcc options: -pthread -lm

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This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 19:58.