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56-rt

AMD Ryzen 5 3600 6-Core testing with a MSI MAG B550 TOMAHAWK (MS-7C91) v2.0 (A.30 BIOS) and AMD Radeon RX 5500/5500M / Pro 5500M 4GB on Arch Linux via the Phoronix Test Suite.

Test Systems:

kernel 5.6 rt

AMD Ryzen 5 3600 6-Core - AMD Radeon RX 5500/5500M /

AMD Ryzen 5 3600 6-Core

AMD Radeon RX 5500

kernel 5.6 rt 3600 5500xt

kernel 5.6 rt 3600 5500xt blender

Processor: AMD Ryzen 5 3600 6-Core @ 3.60GHz (6 Cores / 12 Threads), Motherboard: MSI MAG B550 TOMAHAWK (MS-7C91) v2.0 (A.30 BIOS), Chipset: AMD Starship/Matisse, Memory: 32GB, Disk: 500GB Force MP600 + Samsung SSD 970 EVO Plus 500GB, Graphics: AMD Radeon RX 5500/5500M / Pro 5500M 4GB (1900/875MHz), Audio: AMD Navi 10 HDMI Audio, Monitor: DUAL-DVI + SM2443DW, Network: Realtek RTL8111/8168/8411 + Realtek RTL8125 2.5GbE

OS: Arch Linux, Kernel: 5.6.19-rt12-1-rt (x86_64), Desktop: KDE Plasma 5.19.5, Display Server: X Server 1.20.9, Display Driver: amdgpu 19.1.0, OpenGL: 4.6 Mesa 20.1.8 (LLVM 10.0.1), Compiler: GCC 10.2.0, File-System: btrfs, Screen Resolution: 4480x1440

Processor Notes: Scaling Governor: acpi-cpufreq performance - CPU Microcode: 0x8701021
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: conditional RSB filling + srbds: Not affected + tsx_async_abort: Not affected

kernel 5.6 rt 3600 5500xt blender classroom

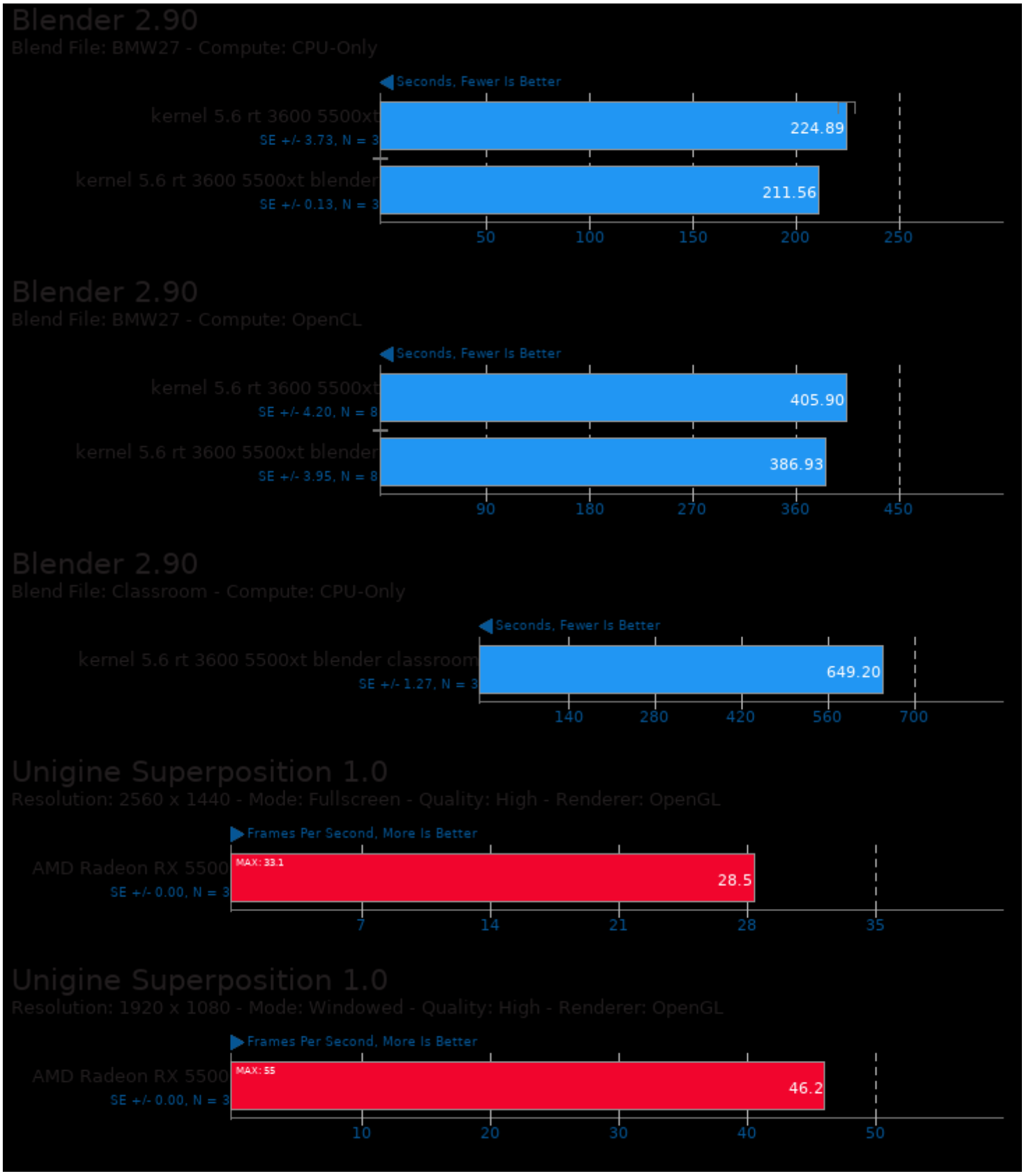
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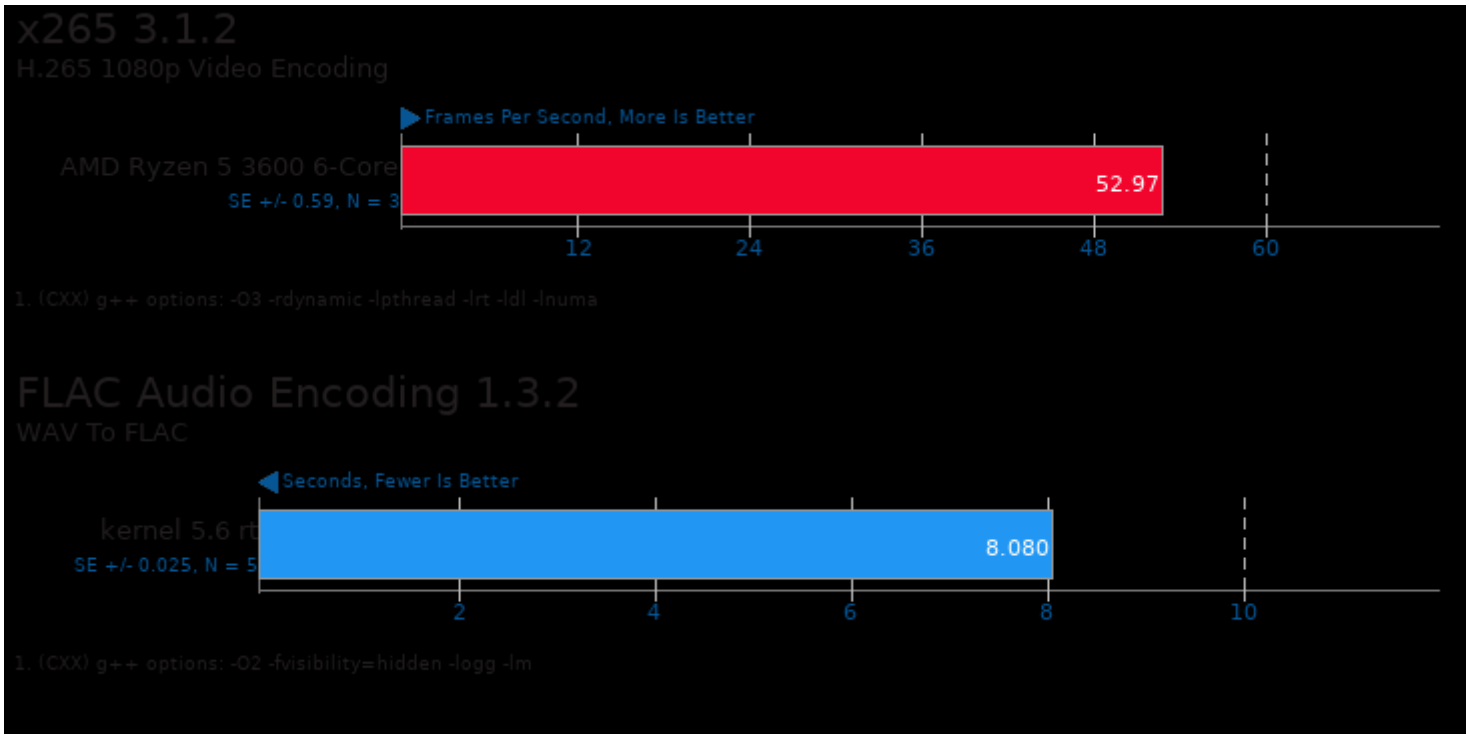
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Blender - BMW27 - CPU-Only (sec)					224.89	211.56	
Normalized					94.07%	100%	
Standard Deviation					2.9%	0.1%	
Blender - BMW27 - OpenCL (sec)					405.90	386.93	
Normalized					95.33%	100%	
Standard Deviation					2.9%	2.9%	

Blender - Classroom - CPU-Only (sec)				649.20
Standard Deviation				0.3%
Unigine Superposition - 2560 x 1440 - Fullscreen - High - OpenGL (FPS)			28.5	
Standard Deviation			0%	
Unigine Superposition - 1920 x 1080 - Windowed - High - OpenGL (FPS)			46.2	
Standard Deviation			0%	
x265 - H.2.1.V.E (FPS)		52.97		
Standard Deviation		1.9%		
FLAC Audio Encoding - WAV To FLAC (sec)	8.080			
Standard Deviation	0.7%			


Blender 2.90
Blend File: BMW27 - Compute: CPU-Only
Seconds, Fewer Is Better
kernel 5.6 rt 3600 5500xt
SE +/- 3.73, N = 3
224.89
kernel 5.6 rt 3600 5500xt blender
SE +/- 0.13, N = 3
211.56
50
100
150
200
250
Blender 2.90
Blend File: BMW27 - Compute: OpenCL
Seconds, Fewer Is Better
kernel 5.6 rt 3600 5500xt
SE +/- 4.20, N = 8
405.90
kernel 5.6 rt 3600 5500xt blender
SE +/- 3.95, N = 8
386.93
90
180
270
360
450
Blender 2.90
Blend File: Classroom - Compute: CPU-Only
Seconds, Fewer Is Better
kernel 5.6 rt 3600 5500xt blender classroom
SE +/- 1.27, N = 3
649.20
140
280
420
560
700
Unigine Superposition 1.0
Resolution: 2560 x 1440 - Mode: Fullscreen - Quality: High - Renderer: OpenGL
Frames Per Second, More Is Better
AMD Radeon RX 5500
SE +/- 0.00, N = 3
MAX: 33.1
28.5
7
14
21
28
35
Unigine Superposition 1.0
Resolution: 1920 x 1080 - Mode: Windowed - Quality: High - Renderer: OpenGL
Frames Per Second, More Is Better
AMD Radeon RX 5500
SE +/- 0.00, N = 3
MAX: 55
46.2
10
20
30
40
50



This file was automatically generated via the Phoronix Test Suite benchmarking software on Friday, 29 March 2024 02:13.