



intelalltests, amdalltests

Intel Core i7-13700KF testing with a ASUS ROG STRIX B660-F GAMING WIFI (2012 BIOS) and NVIDIA GeForce RTX 3070 8GB on Microsoft Windows 11 Pro Build 22621 via the Phoronix Test Suite.

amdalltests: AMD Ryzen 7 5700X 8-Core testing with a MSI MAG B550 TOMAHAWK (MS-7C91) (A.B0 BIOS) and NVIDIA GeForce RTX 3070 8GB on Microsoft Windows 11 Pro Build 22621 via the Phoronix Test Suite.

Automated Executive Summary

Core i7 13700KF had the most wins, coming in first place for 81% of the tests.

Based on the geometric mean of all complete results, the fastest (Core i7 13700KF) was 1.53x the speed of the slowest (AMD Ryzen 7 5700X). NVIDIA GeForce RTX 3070 was 0.735x the speed of Core i7 13700KF and AMD Ryzen 7 5700X was 0.889x the speed of NVIDIA GeForce RTX 3070.

The results with the greatest spread from best to worst included:

yquake2 (Renderer: Vulkan - AF: On - MSAA: On - Resolution: 1920 x 1080) at 9.464x

yquake2 (Renderer: Vulkan - AF: On - MSAA: On - Resolution: 2560 x 1440) at 6.308x

OSBench (Test: Memory Allocations) at 2.939x

ParaView (Test: Wavelet Volume - Resolution: 1920 x 1080) at 2.751x

ParaView (Test: Wavelet Contour - Resolution: 1920 x 1080) at 2.719x

Cpuminer-Opt (Algorithm: x25x) at 2.484x
Blender (Blend File: BMW27 - Compute: CPU-Only) at 2.391x
ASTC Encoder (Preset: Thorough) at 2.346x
Cpuminer-Opt (Algorithm: Triple SHA-256, Onecoin) at 2.309x
Cpuminer-Opt (Algorithm: Magi) at 2.28x.

Test Systems:

Core i7 13700KF

Processor: Intel Core i7-13700KF @ 3.40GHz (16 Cores / 24 Threads), Motherboard: ASUS ROG STRIX B660-F GAMING WIFI (2012 BIOS), Memory: 2 x 32768 MB 4800MHz F5-5600J3636D32G, Disk: 932GB Samsung SSD 970 EVO Plus 1TB + 1863GB Netac NVMe SSD 2TB + 7GB USB DISK 2.0 USB, Graphics: NVIDIA GeForce RTX 3070 8GB, Audio: USB Audio 2.0 + NVIDIA Virtual Audio Device (Wave Extensible) (WDM) + NVIDIA HD Audio, Monitor: DELL S71DG, Network: 2 x Realtek PCIe GbE + Bluetooth Device (Personal Area) + Realtek RTL8852AE WiFi 6 802.11ax PCIe + Intel (3) I225-V + Bluetooth Device (Personal Area) #2

OS: Microsoft Windows 11 Pro Build 22621, Kernel: 10.0.22621.963 (x86_64), Display Driver: 526.98 (31.0.15.2698), OpenCL: OpenCL 3.0 CUDA 12.0.89, File-System: NTFS, Screen Resolution: 2560x1440

Processor Notes: CPU Microcode: 00000000E010000
Python Notes: Python 3.7.9
Security Notes: VBS: Enabled and running + HVCI: Running + MBEC: Available

Teste AMD 5700X + RTX 3070 + 64GB DDR4

AMD Ryzen 7 5700X

Processor: AMD Ryzen 7 5700X 8-Core @ 3.40GHz (8 Cores / 16 Threads), Motherboard: MSI MAG B550 TOMAHAWK (MS-7C91) (A.B0 BIOS), Memory: 4 x 16384 MB 2933MHz Kingston HX432C16FB4, Disk: 1863GB Netac NVMe SSD 2TB + 932GB Samsung SSD 970 EVO Plus 1TB, Graphics: NVIDIA GeForce RTX 3070 8GB, Audio: NVIDIA HD Audio + HD Audio Device + NVIDIA Virtual Audio Device (Wave Extensible) (WDM), Monitor: DELL U414H, Network: Realtek PCIe GbE + Bluetooth Device (Personal Area) + Realtek RTL8852AE WiFi 6 802.11ax PCIe + Wintun Userspace Tunnel + Realtek PCIe GbE #2

OS: Microsoft Windows 11 Pro Build 22621, Kernel: 10.0.22621.963 (x86_64), Display Driver: 526.98 (31.0.15.2698), OpenCL: OpenCL 3.0 CUDA 12.0.89, File-System: NTFS, Screen Resolution: 1920x1080

Python Notes: Python 3.7.9
Security Notes: __user pointer sanitization: Disabled + Retpoline: Full + IBPB: Always + IBRS: Enabled + STIBP: Enabled + VBS: Enabled and running + HVCI: Running + MBEC: Available

	Core i7 13700KF	Teste AMD 5700X + RTX 3070 + 64GB DDR4	AMD Ryzen 7 5700X
yquake2 - Vulkan - On - On - 1920 x 1080 (FPS)	162.5		1538
Normalized	10.57%		100%
Standard Deviation	0.2%		1.4%
yquake2 - Vulkan - On - On - 2560 x 1440 (FPS)	162.9		1028
Normalized	15.85%		100%
Standard Deviation	0.1%		0.3%
OSBench - Memory Allocations (Ns/Event)	33.2841		97.8064
Normalized	100%		34.03%
Standard Deviation	0.3%		1%
ParaView - Wavelet Volume - 1920 x 1080 (Frames / Sec)	164.43		60.18
Normalized	99.33%		36.35%
Standard Deviation	0.3%		0%
ParaView - Wavelet Contour - 1920 x 1080 (Frames / Sec)	163.69		60.20
Normalized	100%		36.78%
Standard Deviation	1.6%		0%
Cpuminer-Opt - x25x (kH/s)	887.60		357.31
Normalized	100%		40.26%
Standard Deviation	0.1%		0.8%
Blender - BMW27 - CPU-Only (sec)	78.03		186.57
Normalized	100%		41.82%
Standard Deviation	0.3%		0.1%
ASTC Encoder - Thorough (MT/s)	13.9588		5.9497
Normalized	100%		42.62%
Standard Deviation	0.4%		0.1%
Cpuminer-Opt - T.S.2.O (kH/s)	127857		55373
Normalized	100%		43.31%
Standard Deviation	0.1%		0.2%
Cpuminer-Opt - Magi (kH/s)	594.70		260.80
Normalized	100%		43.85%
Standard Deviation	0.3%		0.1%
Blender - Classroom - CPU-Only (sec)	215.59		482.87
Normalized	100%		44.65%
Standard Deviation	0.5%		0.4%
Cpuminer-Opt - Ringcoin (kH/s)	4140		1867
Normalized	100%		45.09%
Standard Deviation	0.2%		0.5%
Blender - Pabellon Barcelona - CPU-Only	253.21		556.93
Normalized	100%		45.47%
Standard Deviation	1%		0.1%
Chaos Group V-RAY - CPU (vsamples)	20420		9307
Normalized	100%		45.58%
Standard Deviation	0.3%		0.9%
ASTC Encoder - Exhaustive (MT/s)	1.4464		0.6660
Normalized	100%		46.05%
Standard Deviation	0.1%		0.2%
Blender - Barbershop - CPU-Only (sec)	835.86		1796
Normalized	100%		46.53%

	Standard Deviation	0.1%		1.1%
Blender - Fishy Cat - CPU-Only (sec)		103.63		220.91
	Normalized	100%		46.91%
	Standard Deviation	0.4%		0.5%
ASTC Encoder - Medium (MT/s)		107.6221		51.0320
	Normalized	100%		47.42%
	Standard Deviation	0.5%		0.2%
John The Ripper - Blowfish (Real C/S)		34622		16636
	Normalized	100%		48.05%
	Standard Deviation	0.1%		0.9%
Cpuminer-Opt - Q.S.2.P (kH/s)		84160		40930
	Normalized	100%		48.63%
	Standard Deviation	0.1%		0.2%
Cpuminer-Opt - Garlicoin (kH/s)		4697		2292
	Normalized	100%		48.8%
	Standard Deviation	0.3%		0.4%
Cpuminer-Opt - Skeincoin (kH/s)		73427		36550
	Normalized	100%		49.78%
	Standard Deviation	0.1%		0.7%
Intel Memory Latency Checker - Max Bandwidth - 3:1 Reads-Writes (MB/s)		68390		34140
	Normalized	100%		49.92%
	Standard Deviation	0.1%		0.1%
Intel Memory Latency Checker - Max Bandwidth - 2:1 Reads-Writes (MB/s)		67999		34012
	Normalized	100%		50.02%
	Standard Deviation	0.3%		0.2%
Intel Memory Latency Checker - P.I.B - 3:1 Reads-Writes (MB/s)		67833		33997
	Normalized	100%		50.12%
	Standard Deviation	0.2%		0.1%
Intel Memory Latency Checker - P.I.B - 2:1 Reads-Writes (MB/s)		67599		33914
	Normalized	100%		50.17%
	Standard Deviation	0.3%		0.4%
Cpuminer-Opt - Blake-2 S (kH/s)		670113		336910
	Normalized	100%		50.28%
	Standard Deviation	0.1%		0.4%
OSBench - Launch Programs (us/Event)		1226		2435
	Normalized	100%		50.35%
	Standard Deviation	2.4%		0.7%
ASTC Encoder - Fast (MT/s)		288.5535		147.4032
	Normalized	100%		51.08%
	Standard Deviation	0.2%		0.3%
x264 - Bosphorus 4K (FPS)		54.13		27.70
	Normalized	100%		51.17%
	Standard Deviation	0.4%		0.7%
SVT-AV1 - Preset 8 - Bosphorus 4K (FPS)		51.849		26.564
	Normalized	100%		51.23%
	Standard Deviation	0.3%		0.2%
Intel Memory Latency Checker - P.I.B - Stream-Triad Like (MB/s)		67326		35135
	Normalized	100%		52.19%
	Standard Deviation	0.1%		0.3%

Cpuminer-Opt - LBC, LBRY Credits (kH/s)	46163	24120
Normalized	100%	52.25%
Standard Deviation	0.3%	0.3%
Intel Memory Latency Checker - Max Bandwidth - Stream-Triad Like (MB/s)	67384	35239
Normalized	100%	52.3%
Standard Deviation	0.2%	0%
x264 - Bosphorus 1080p (FPS)	224.94	117.80
Normalized	100%	52.37%
Standard Deviation	0.2%	0.8%
Intel Memory Latency Checker - Max Bandwidth - 1:1 Reads-Writes (MB/s)	66137	34715
Normalized	100%	52.49%
Standard Deviation	0.2%	0%
Intel Memory Latency Checker - P.I.B - 1:1 Reads-Writes (MB/s)	65865	34710
Normalized	100%	52.7%
Standard Deviation	0.3%	0.2%
Intel Memory Latency Checker - P.I.B - All Reads (MB/s)	70768	37336
Normalized	100%	52.76%
Standard Deviation	0.4%	0.3%
SVT-AV1 - Preset 8 - Bosphorus 1080p (FPS)	155.209	82.265
Normalized	100%	53%
Standard Deviation	0.6%	0%
Cpuminer-Opt - Deepcoin (kH/s)	15137	8063
Normalized	100%	53.26%
Standard Deviation	0.1%	0.5%
Intel Memory Latency Checker - Max Bandwidth - All Reads (MB/s)	70842	37790
Normalized	100%	53.34%
Standard Deviation	0.2%	0.1%
Cpuminer-Opt - scrypt (kH/s)	263.57	143.39
Normalized	100%	54.4%
Standard Deviation	0%	0.4%
dav1d - Summer Nature 4K (FPS)	379.78	207.37
Normalized	100%	54.6%
Standard Deviation	0.2%	0.4%
Y-Cruncher - 1B (sec)	25.747	46.717
Normalized	100%	55.11%
Standard Deviation	0.2%	0.1%
SVT-AV1 - Preset 4 - Bosphorus 4K (FPS)	3.956	2.259
Normalized	100%	57.1%
Standard Deviation	0.7%	0.3%
SVT-AV1 - Preset 12 - Bosphorus 4K (FPS)	140.741	81.370
Normalized	100%	57.82%
Standard Deviation	0.1%	0.5%
7-Zip Compression - Compression Rating (MIPS)	135698	78477
Normalized	100%	57.83%
Standard Deviation	0.5%	0.7%
SVT-AV1 - Preset 13 - Bosphorus 4K (FPS)	148.695	86.468
Normalized	100%	58.15%
Standard Deviation	0.5%	0.6%

PyPerformance - pathlib (Milliseconds)	72.0	122
Normalized	100%	59.02%
Standard Deviation	1%	
SVT-AV1 - Preset 12 - Bosphorus 1080p	567.780	348.004
Normalized	100%	61.29%
Standard Deviation	1.1%	0.6%
PyPerformance - nbody (Milliseconds)	73.3	118
Normalized	100%	62.12%
Standard Deviation	0.4%	
SVT-AV1 - Preset 4 - Bosphorus 1080p (FPS)	12.106	7.559
Normalized	100%	62.44%
Standard Deviation	0.4%	0.4%
7-Zip Compression - D.R (MIPS)	105957	67640
Normalized	100%	63.84%
Standard Deviation	0.2%	0.1%
SVT-AV1 - Preset 13 - Bosphorus 1080p	580.384	367.782
Normalized	100%	63.37%
Standard Deviation	0.7%	2%
John The Ripper - MD5 (Real C/S)	1468333	958695
Normalized	100%	65.29%
Standard Deviation	0.1%	0.9%
dav1d - S.N.1 (FPS)	1318	872.70
Normalized	100%	66.21%
Standard Deviation	0.1%	1.1%
PyPerformance - crypto_pyaes	67.4	101
Normalized	100%	66.73%
Standard Deviation	0%	
Selenium - MotionMark - Firefox (Score)	1526	1019
Normalized	100%	66.79%
Standard Deviation	0.9%	2.5%
PyPerformance - chaos (Milliseconds)	68.7	102
Normalized	100%	67.35%
Standard Deviation	0.1%	
PyPerformance - pickle_pure_python (Milliseconds)	269	399
Normalized	100%	67.42%
PyPerformance - float (Milliseconds)	69.7	103
Normalized	100%	67.67%
Standard Deviation	0.1%	
PyPerformance - regex_compile	106	156
Normalized	100%	67.95%
PyPerformance - raytrace (Milliseconds)	281	408
Normalized	100%	68.87%
Standard Deviation		0.4%
yquake2 - S.C.C.L - On - On - 2560 x 1440 (FPS)	98.2	67.9
Normalized	100%	69.14%
Standard Deviation	1.5%	0.4%
Cpuminer-Opt - Myriad-Groestl (kH/s)	19527	13610
Normalized	100%	69.7%
Standard Deviation	0.6%	0.2%
dav1d - Chimera 1080p (FPS)	924.47	645.96
Normalized	100%	69.87%
Standard Deviation	0.3%	0.2%

yquake2 - Software CPU - On - On - 2560 x 1440 (FPS)	101.4	71.4
Normalized	100%	70.41%
Standard Deviation	0.3%	0.1%
PyPerformance - django_template (Milliseconds)	33.3	47.2
Normalized	100%	70.55%
Standard Deviation	0.5%	0.2%
PyPerformance - go (Milliseconds)	140	196
Normalized	100%	71.43%
Standard Deviation	0.4%	
PyPerformance - 2to3 (Milliseconds)	229	319
Normalized	100%	71.79%
yquake2 - S.C.C.L - On - On - 1920 x 1080 (FPS)	152.3	110.0
Normalized	100%	72.23%
Standard Deviation	1.6%	0.1%
PyPerformance - json_loads (Milliseconds)	17.1	23.2
Normalized	100%	73.71%
Standard Deviation	0.3%	0.2%
OSBench - Create Threads (us/Event)	17.493	23.519
Normalized	100%	74.38%
Standard Deviation	2.1%	0.2%
Selenium - ARES-6 - Firefox (ms)	19.45	26.07
Normalized	100%	74.61%
Standard Deviation	0%	0.3%
Selenium - Speedometer - Firefox (Runs/min)	229.8	172
Normalized	100%	74.85%
Standard Deviation	0.1%	1.7%
yquake2 - Software CPU - On - On - 1920 x 1080 (FPS)	157.0	117.6
Normalized	100%	74.9%
Standard Deviation	0.6%	0.2%
Selenium - W.i - Firefox (ms)	16.5	21.8
Normalized	100%	75.69%
Standard Deviation	2.3%	0.3%
PyPerformance - python_startup	22.8	30.3
Normalized	100%	75.25%
Standard Deviation	0.3%	0.2%
Selenium - Jetstream 2 - Firefox (Score)	187.074	141.316
Normalized	100%	75.54%
Standard Deviation	1.1%	0.6%
dav1d - C.1.1.b (FPS)	698.13	532.47
Normalized	100%	76.27%
Standard Deviation	0.1%	0.2%
Tesseract OCR - T.T.O.7.I (sec)	50.474	65.946
Normalized	100%	76.54%
Standard Deviation	0.3%	0.2%
Selenium - Octane - Firefox (Geometric)	47147	36562
Normalized	100%	77.55%
Standard Deviation	2.1%	1.4%
Unvanquished - 1920 x 1080 - Ultra (FPS)	368.3	286.2
Normalized	100%	77.71%
Standard Deviation	2.1%	0.1%

Selenium - Jetstream - Firefox (Score)	358.68	283.12
Normalized	100%	78.93%
Standard Deviation	0.3%	0.3%
Xonotic - 1920 x 1080 - Ultimate (FPS)	369.1003772	304.0004150
Normalized	100%	82.36%
Standard Deviation	0.8%	0.3%
Selenium - Kraken - Firefox (ms)	565.9	663.9
Normalized	100%	85.24%
Standard Deviation	1%	0.5%
Xonotic - 2560 x 1440 - Ultimate (FPS)	372.9918269	317.9702137
Normalized	100%	85.25%
Standard Deviation	0.4%	0.5%
Selenium - W.c - Firefox (ms)	254.4	296.4
Normalized	100%	85.83%
Standard Deviation	0.6%	0.5%
Unvanquished - 2560 x 1440 - Ultra (FPS)	369.5	318.3
Normalized	100%	86.14%
Standard Deviation	1.6%	0.6%
Git - T.T.C.C.G.C (sec)	48.411	53.122
Normalized	100%	91.13%
Standard Deviation	0.2%	0.1%
Selenium - PSPDFKit WASM - Firefox (Score)	2263	2472
Normalized	100%	91.55%
Standard Deviation	0.2%	0.2%
Selenium - Maze Solver - Firefox (sec)	13	14
Normalized	100%	92.86%
Selenium - CanvasMark - Firefox (Score)	34304	31878
Normalized	100%	92.93%
Standard Deviation	0.7%	1.6%
Blender - Fishy Cat - NVIDIA CUDA (sec)	37.24	39.19
Normalized	100%	95.02%
Standard Deviation	0.2%	0.1%
GravityMark - 1920 x 1080 - Vulkan Ray-Tracing (FPS)	203.2	212.8
Normalized	95.49%	100%
Standard Deviation	0.4%	0.4%
GravityMark - 1920 x 1080 - Vulkan (FPS)	227.4	237.5
Normalized	95.75%	100%
Standard Deviation	0%	0.2%
Blender - BMW27 - NVIDIA CUDA (sec)	17.90	18.63
Normalized	100%	96.08%
Standard Deviation	0.2%	0.2%
Intel Memory Latency Checker - Idle Latency (ns)	88.9	85.8
Normalized	96.51%	100%
Standard Deviation	0.6%	0.1%
Blender - Barbershop - NVIDIA CUDA (sec)	153.30	158.69
Normalized	100%	96.6%
Standard Deviation	0.1%	0%
Blender - Fishy Cat - NVIDIA OptiX (sec)	17.46	18.02
Normalized	100%	96.89%
Standard Deviation	0.7%	2.4%

Chaos Group V-RAY - NVIDIA RTX GPU	1769	1734
(vrays)		
Normalized	100%	98.02%
Standard Deviation	0.1%	0.5%
Blender - Barbershop - NVIDIA OptiX (sec)	87.01	88.91
Normalized	100%	97.86%
Standard Deviation	0.4%	0.2%
Chaos Group V-RAY - NVIDIA CUDA GPU	1389	1418
(vpaths)		
Normalized	97.95%	100%
Standard Deviation	0.1%	
ParaView - Many Spheres - 1920 x 1080	52.92	53.28
(Frames / Sec)		
Normalized	99.32%	100%
Standard Deviation	0.3%	0.2%
Blender - BMW27 - NVIDIA OptiX (sec)	9.69	9.87
Normalized	100%	98.18%
Standard Deviation	1.3%	3.2%
ParaView - Wavelet Contour - 2560 x 1440	164.52	164.00
(Frames / Sec)		
Normalized	100%	99.68%
Standard Deviation	0.5%	1.7%
ParaView - Many Spheres - 2560 x 1440	52.89	52.42
(Frames / Sec)		
Normalized	99.47%	98.59%
Standard Deviation	0.1%	0.2%
Hashcat - SHA-512 (H/s)	1838266667	1863866667
Normalized	98.63%	100%
Standard Deviation	0.8%	0.1%
Hashcat - T.R.X (H/s)	482833	477333
Normalized	100%	98.86%
Standard Deviation	0.6%	0.4%
Blender - Pabellon Barcelona - NVIDIA CUDA	90.30	89.31
(sec)		
Normalized	98.9%	100%
Standard Deviation	0%	0.3%
Hashcat - MD5 (H/s)	40241600000	40643500000
Normalized	99.01%	100%
Standard Deviation	0.2%	0.2%
Hashcat - SHA1 (H/s)	12682666667	12804233333
Normalized	99.05%	100%
Standard Deviation	0.8%	0.1%
Blender - Classroom - NVIDIA CUDA (sec)	36.30	36.05
Normalized	99.31%	100%
Standard Deviation	0.1%	0.2%
GravityMark - 2560 x 1440 - Vulkan (FPS)	191.4	190.1
Normalized	100%	99.32%
Standard Deviation	0.2%	0.6%
GravityMark - 2560 x 1440 - W.D.1 (FPS)	180.3	181.3
Normalized	99.45%	100%
Standard Deviation	0.1%	0.1%
ParaView - Wavelet Volume - 2560 x 1440	164.75	165.48
(Frames / Sec)		
Normalized	99.48%	99.92%

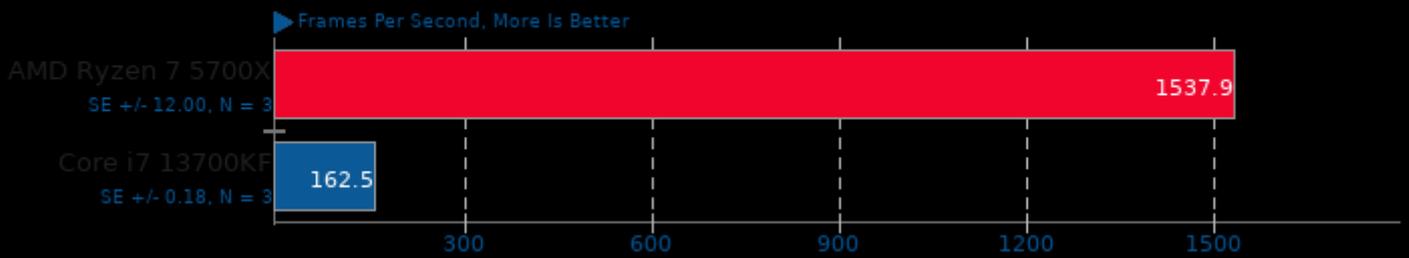
	Standard Deviation	0.1%		0%
GravityMark - 2560 x 1440 - Vulkan Ray-Tracing (FPS)		166.7		165.9
	Normalized	100%		99.52%
	Standard Deviation	0.2%		0.3%
GravityMark - 2560 x 1440 - W.D.1.R.T (FPS)		161.3		161.9
	Normalized	99.63%		100%
	Standard Deviation	0.1%		0.1%
GravityMark - 1920 x 1080 - W.D.1 (FPS)		211.1		211.8
	Normalized	99.67%		100%
	Standard Deviation	0%		0.1%
Blender - Pabellon Barcelona - NVIDIA OptiX (sec)		26.81		26.89
	Normalized	100%		99.7%
	Standard Deviation	0.2%		0.1%
GravityMark - 1920 x 1080 - W.D.1.R.T (FPS)		193.9		194.3
	Normalized	99.79%		100%
	Standard Deviation	0%		0%
Blender - Classroom - NVIDIA OptiX (sec)		24.44		24.45
	Normalized	100%		99.96%
	Standard Deviation	0.5%		0.3%
Y-Cruncher - 500M (sec)				20.265
	Standard Deviation			0.3%
Xonotic - 2560 x 1440 - Ultra (FPS)				389.8716485
	Standard Deviation			0.1%
Xonotic - 1920 x 1080 - Ultra (FPS)				388.6633922
	Standard Deviation			0.1%
Xonotic - 2560 x 1440 - High (FPS)				420.6188462
	Standard Deviation			0.1%
Xonotic - 1920 x 1080 - High (FPS)				419.8946899
	Standard Deviation			0.1%
Xonotic - 2560 x 1440 - Low (FPS)				515.0152671
	Standard Deviation			1.2%
Xonotic - 1920 x 1080 - Low (FPS)				516.2349848
	Standard Deviation			0%
Unigine Superposition - 2560 x 1440 - Fullscreen - Ultra - OpenGL (FPS)				33.7
	Standard Deviation			0%
Unigine Superposition - 1920 x 1080 - Fullscreen - Ultra - OpenGL (FPS)				57.3
	Standard Deviation			0.1%
PostgreSQL - 1000 - 1 - Read Write - Average Latency (ms)				0.636
	Standard Deviation			0.2%
PostgreSQL - 1000 - 1 - Read Write (TPS)				1572
	Standard Deviation			0.1%
PostgreSQL - 1000 - 1 - Read Only - Average Latency (ms)				0.108
	Standard Deviation			0.5%
PostgreSQL - 1000 - 1 - Read Only (TPS)				9300
	Standard Deviation			0.2%

yquake2 - S.C.C.L - Off - Off - 2560 x 1440 (FPS)	69.2
Standard Deviation	0.1%
yquake2 - S.C.C.L - Off - Off - 1920 x 1080 (FPS)	112.5
Standard Deviation	0.6%
yquake2 - S.C.C.L - On - Off - 2560 x 1440 (FPS)	67.8
Standard Deviation	0.1%
yquake2 - S.C.C.L - On - Off - 1920 x 1080 (FPS)	110.3
Standard Deviation	0.1%
yquake2 - S.C.C.L - Off - On - 2560 x 1440 (FPS)	69.4
Standard Deviation	0.2%
yquake2 - S.C.C.L - Off - On - 1920 x 1080 (FPS)	112.1
Standard Deviation	1.1%
yquake2 - Software CPU - Off - Off - 2560 x 1440 (FPS)	73.1
Standard Deviation	0.3%
yquake2 - Software CPU - Off - Off - 1920 x 1080 (FPS)	120.5
Standard Deviation	0.1%
yquake2 - Software CPU - On - Off - 2560 x 1440 (FPS)	71.4
Standard Deviation	0.2%
yquake2 - Software CPU - On - Off - 1920 x 1080 (FPS)	117.3
Standard Deviation	0.1%
yquake2 - Software CPU - Off - On - 2560 x 1440 (FPS)	73.4
Standard Deviation	0.1%
yquake2 - Software CPU - Off - On - 1920 x 1080 (FPS)	120.5
Standard Deviation	0.1%
yquake2 - Vulkan - Off - Off - 2560 x 1440 (FPS)	1902
Standard Deviation	1.4%
yquake2 - Vulkan - Off - Off - 1920 x 1080 (FPS)	1876
Standard Deviation	2.5%
yquake2 - Vulkan - On - Off - 2560 x 1440 (FPS)	1876
Standard Deviation	2.7%
yquake2 - Vulkan - On - Off - 1920 x 1080 (FPS)	1861
Standard Deviation	0.4%
yquake2 - Vulkan - Off - On - 2560 x 1440 (FPS)	1063
Standard Deviation	0.4%

yquake2 - Vulkan - Off - On - 1920 x 1080 (FPS)		1599
Standard Deviation		1.3%
GravityMark - 1920 x 1080 - OpenGL (FPS)		214.6
Standard Deviation		0.2%
PostgreSQL - 1000 - 1 - Read Write - Average	0.275	
Latency (ms)		
Standard Deviation	0.4%	
PostgreSQL - 1000 - 1 - Read Write (TPS)	3635	
Standard Deviation	0.4%	
PostgreSQL - 1000 - 1 - Read Only - Average	0.039	
Latency (ms)		
Standard Deviation	0%	
PostgreSQL - 1000 - 1 - Read Only (TPS)	25761	
Standard Deviation	0.3%	
Hashcat - 7-Zip (H/s)		653000
Standard Deviation		0.2%
OSBench - Create Files (us/Event)	146.382085	263.688875
Normalized	100%	55.51%
Standard Deviation	6.5%	4.7%
ParaView - Wavelet Contour - 2560 x 1440	1714	1709
(MiPolys / Sec)		
Normalized	100%	99.68%
Standard Deviation	0.5%	1.7%
ParaView - Wavelet Contour - 1920 x 1080	1706	627.337
(MiPolys / Sec)		
Normalized	100%	36.78%
Standard Deviation	1.6%	0%
ParaView - Wavelet Volume - 2560 x 1440	2636	2648
(MiVoxels / Sec)		
Normalized	99.48%	99.92%
Standard Deviation	0.1%	0%
ParaView - Wavelet Volume - 1920 x 1080	2631	962.837
(MiVoxels / Sec)		
Normalized	99.33%	36.35%
Standard Deviation	0.3%	0%
ParaView - Many Spheres - 2560 x 1440	5303	5255
(MiPolys / Sec)		
Normalized	99.48%	98.59%
Standard Deviation	0.1%	0.2%
ParaView - Many Spheres - 1920 x 1080	5306	5342
(MiPolys / Sec)		
Normalized	99.33%	100%
Standard Deviation	0.3%	0.2%
Unigine Superposition - 2560 x 1440 - Fullscreen - Ultra - D3D11 (FPS)	37.1	44.7
Normalized	83%	100%
Standard Deviation	0.2%	39.6%
Unigine Superposition - 1920 x 1080 - Fullscreen - Ultra - D3D11 (FPS)	65.3	63.5
Normalized	100%	97.24%
Standard Deviation	10.7%	0.6%

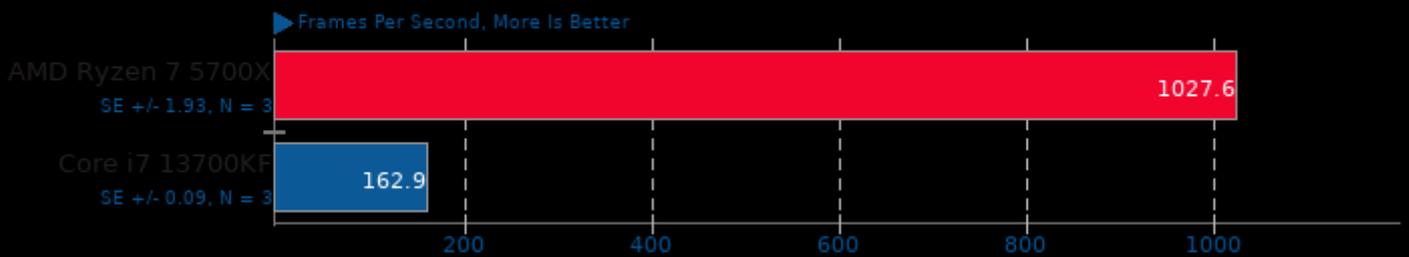
yquake2 8.10

Renderer: Vulkan - AF: On - MSAA: On - Resolution: 1920 x 1080



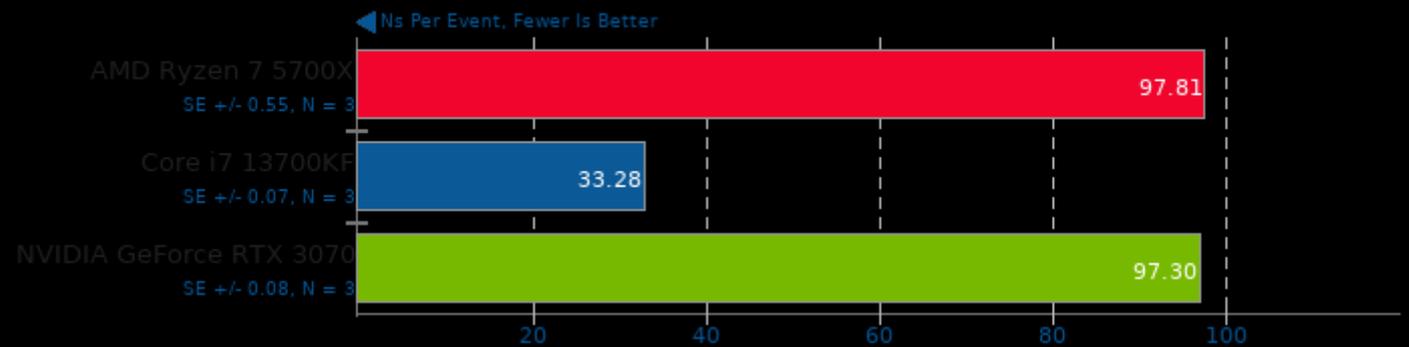
yquake2 8.10

Renderer: Vulkan - AF: On - MSAA: On - Resolution: 2560 x 1440



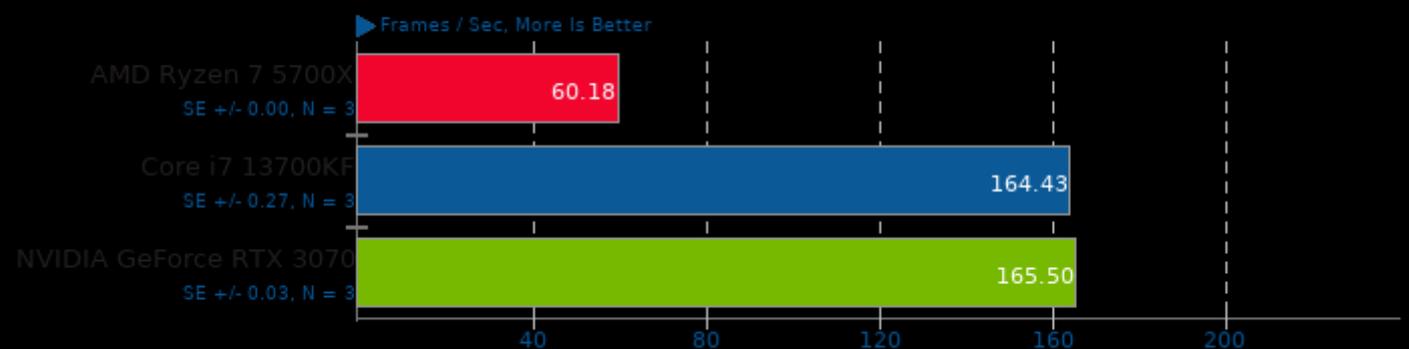
OSBench

Test: Memory Allocations



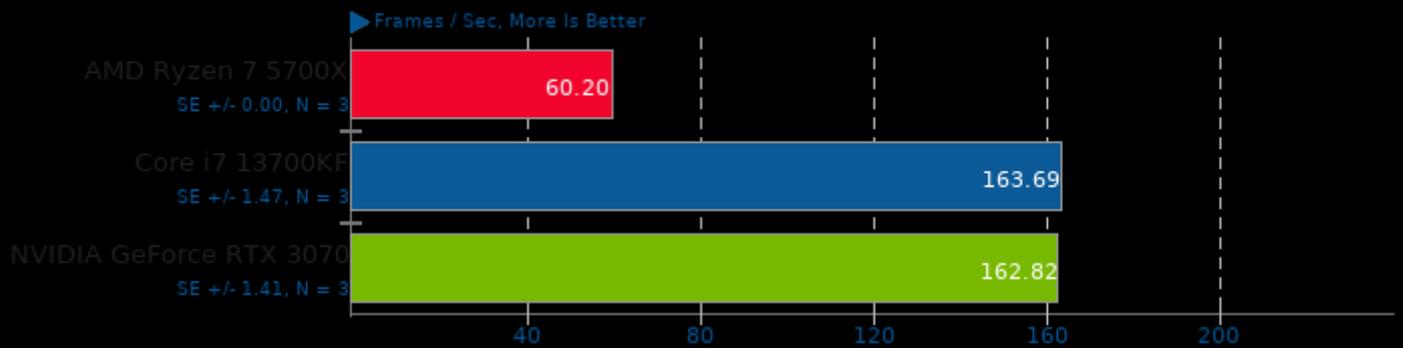
ParaView 5.10.1

Test: Wavelet Volume - Resolution: 1920 x 1080



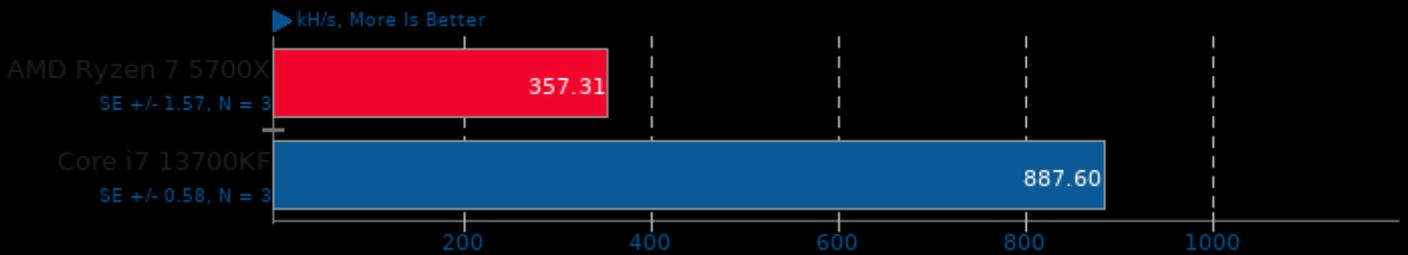
ParaView 5.10.1

Test: Wavelet Contour - Resolution: 1920 x 1080



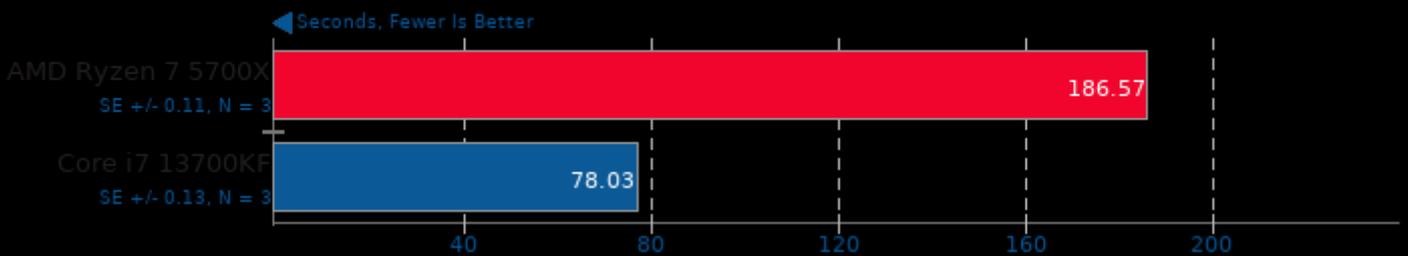
Cpuminer-Opt 3.20.3

Algorithm: x25x



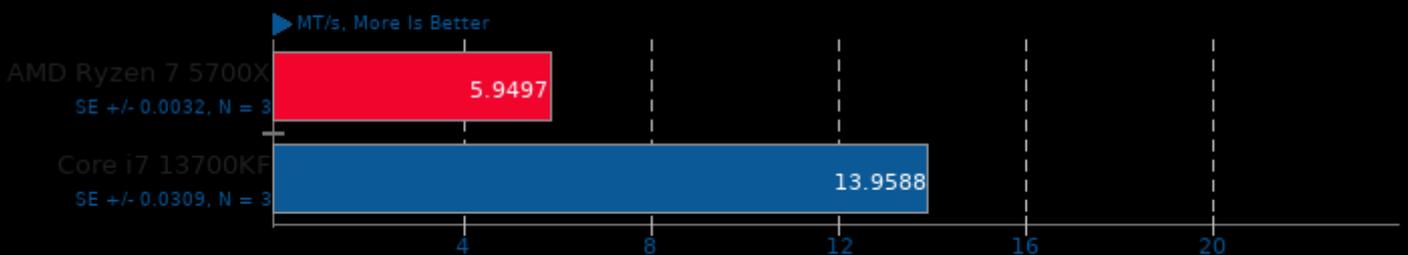
Blender 3.4

Blend File: BMW27 - Compute: CPU-Only



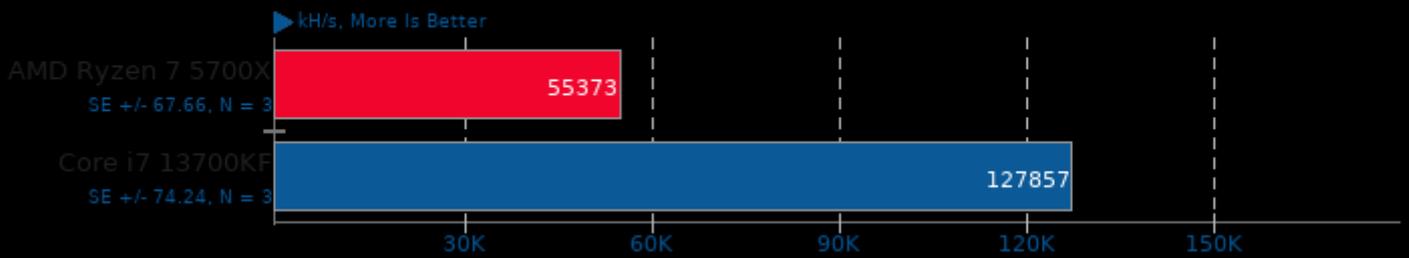
ASTC Encoder 4.0

Preset: Thorough



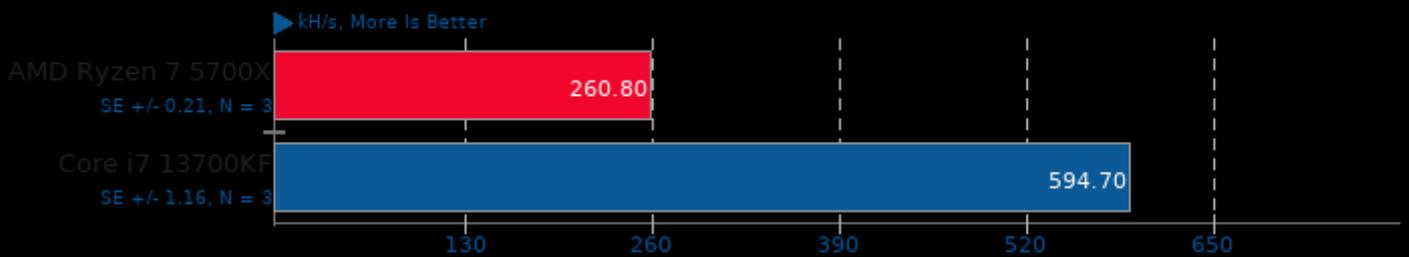
Cpuminer-Opt 3.20.3

Algorithm: Triple SHA-256, Onecoin



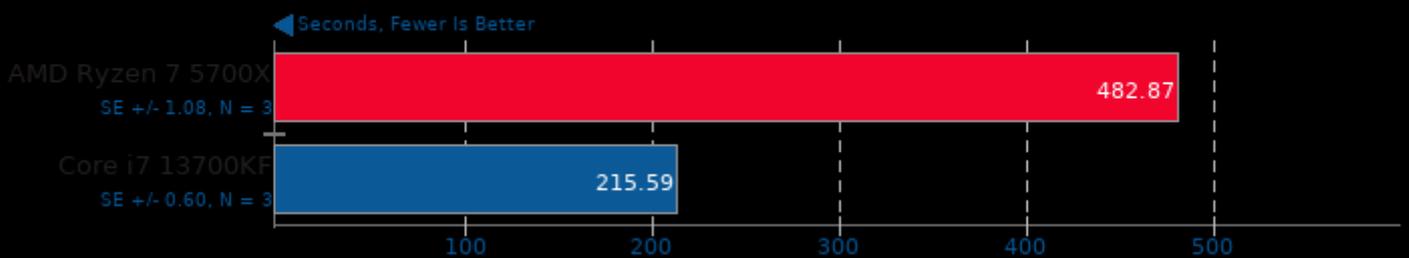
Cpuminer-Opt 3.20.3

Algorithm: Magi



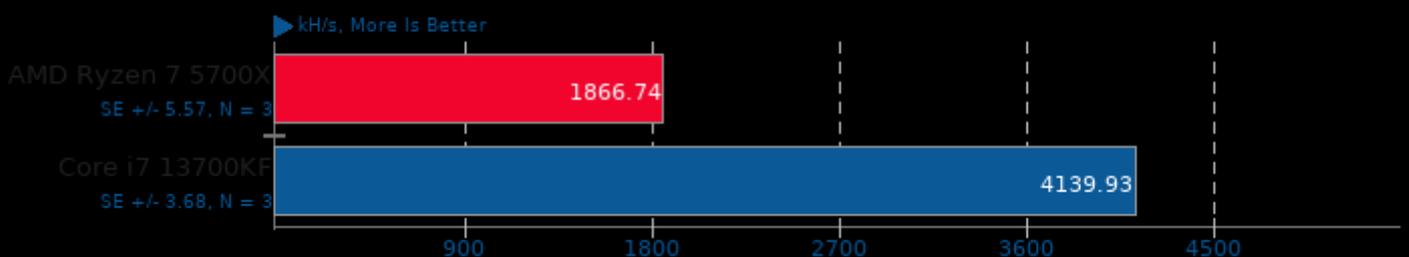
Blender 3.4

Blend File: Classroom - Compute: CPU-Only



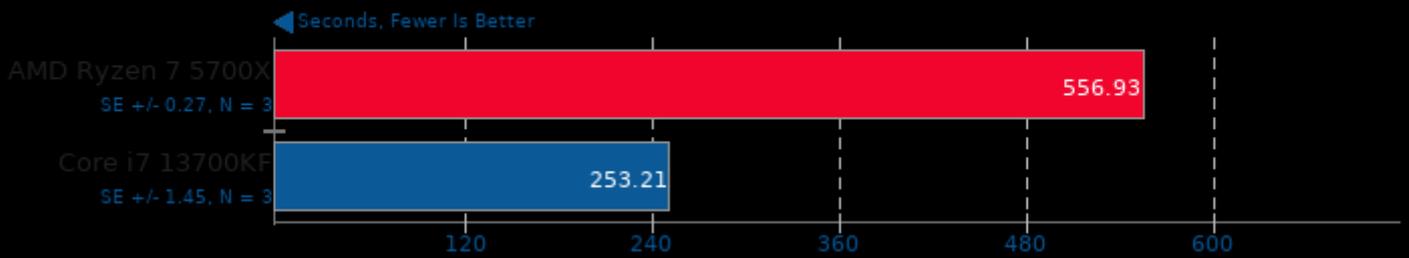
Cpuminer-Opt 3.20.3

Algorithm: Ringcoin



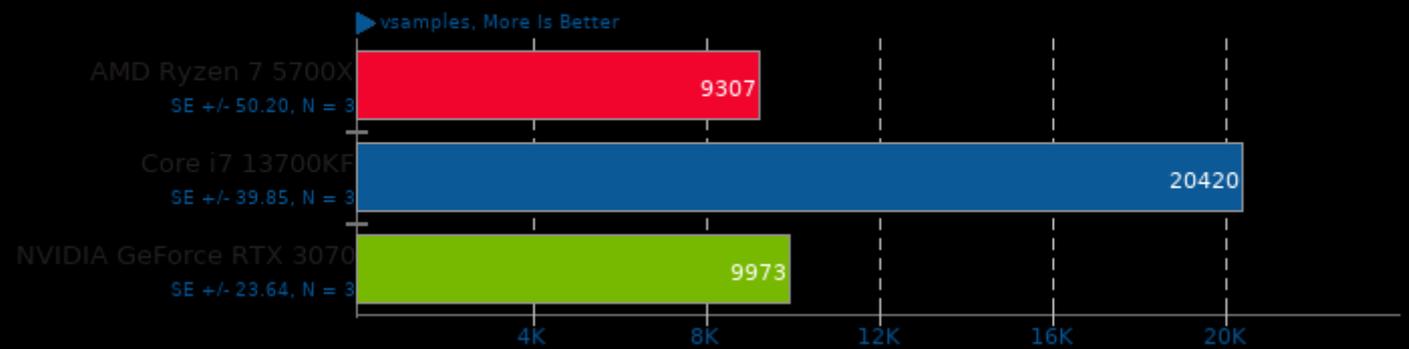
Blender 3.4

Blend File: Pabellon Barcelona - Compute: CPU-Only



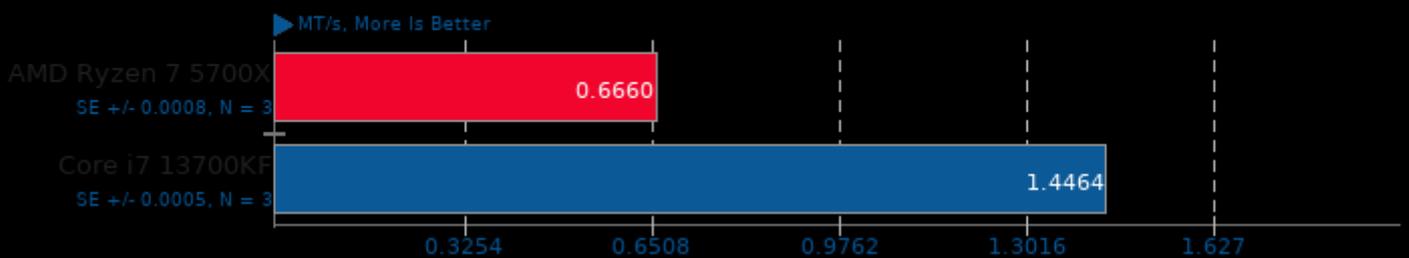
Chaos Group V-RAY 5.02

Mode: CPU



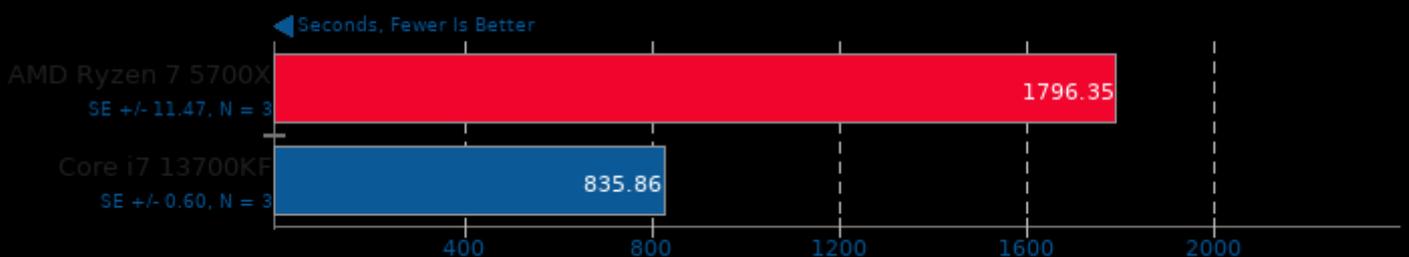
ASTC Encoder 4.0

Preset: Exhaustive



Blender 3.4

Blend File: Barbershop - Compute: CPU-Only



Blender 3.4

Blend File: Fishy Cat - Compute: CPU-Only

← Seconds, Fewer Is Better

AMD Ryzen 7 5700X

SE +/- 0.66, N = 3

220.91

Core i7 13700KF

SE +/- 0.25, N = 3

103.63

50 100 150 200 250

ASTC Encoder 4.0

Preset: Medium

▶ MT/s, More Is Better

AMD Ryzen 7 5700X

SE +/- 0.04, N = 3

51.03

Core i7 13700KF

SE +/- 0.32, N = 3

107.62

20 40 60 80 100

John The Ripper 1.9.0-jumbo-1

Test: Blowfish

▶ Real C/S, More Is Better

AMD Ryzen 7 5700X

SE +/- 81.88, N = 3

16636

Core i7 13700KF

SE +/- 24.34, N = 3

34622

7K 14K 21K 28K 35K

Cpuminer-Opt 3.20.3

Algorithm: Quad SHA-256, Pyrite

▶ kH/s, More Is Better

AMD Ryzen 7 5700X

SE +/- 43.59, N = 3

40930

Core i7 13700KF

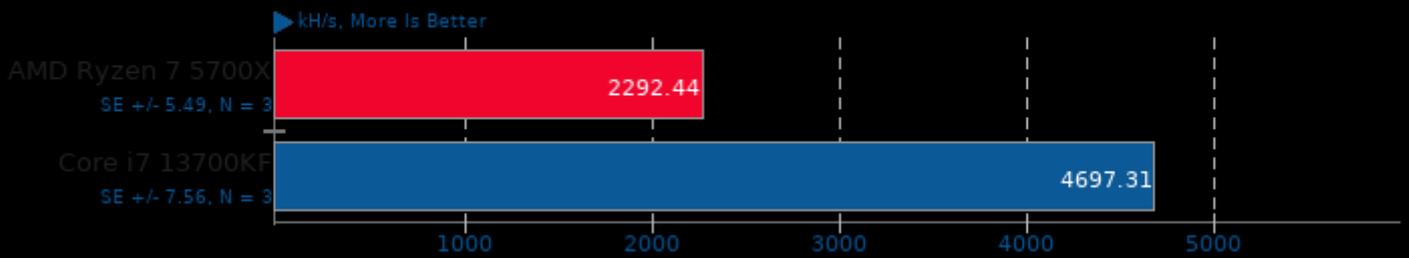
SE +/- 60.83, N = 3

84160

20K 40K 60K 80K 100K

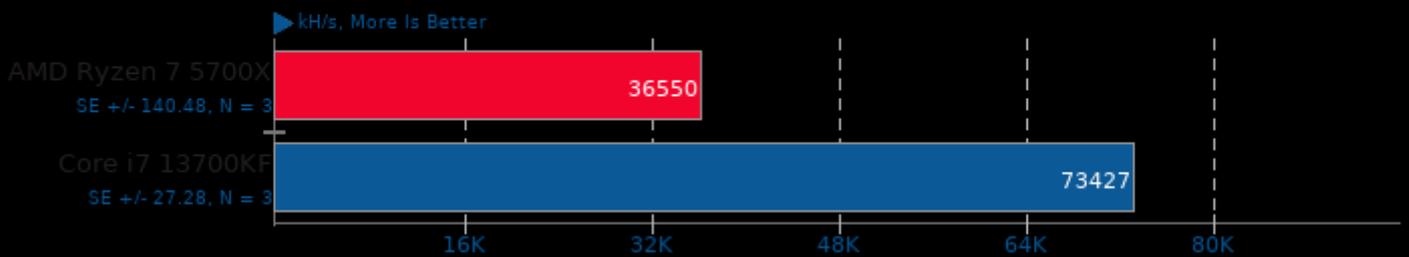
Cpuminer-Opt 3.20.3

Algorithm: Garlicoin



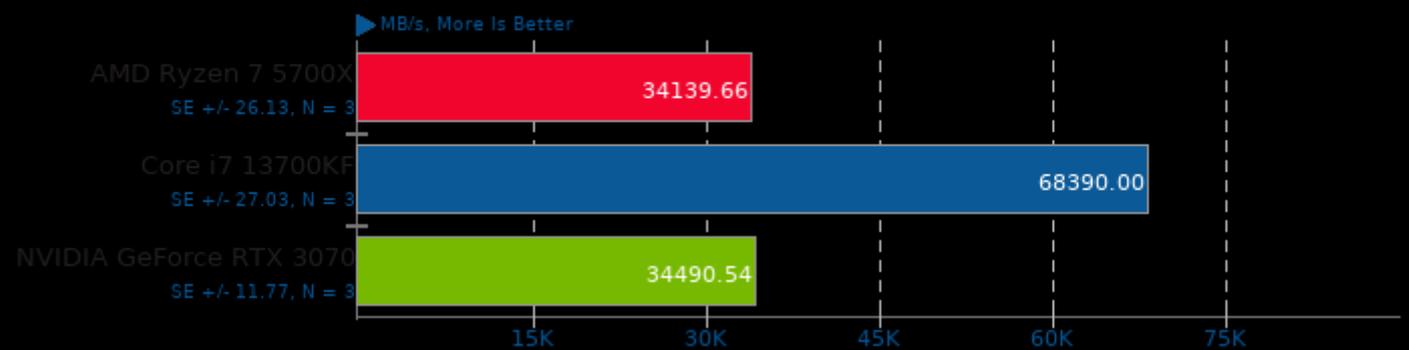
Cpuminer-Opt 3.20.3

Algorithm: Skeincoin



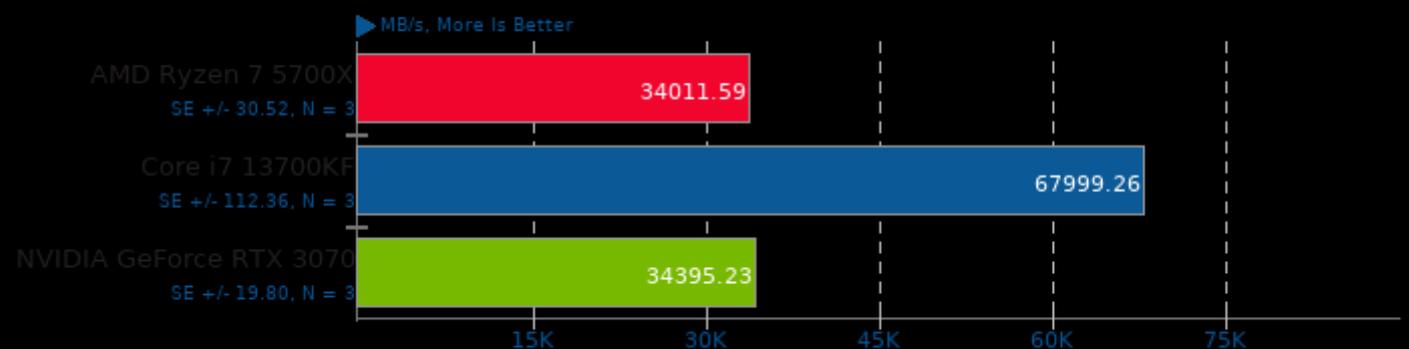
Intel Memory Latency Checker 3.10

Test: Max Bandwidth - 3:1 Reads-Writes



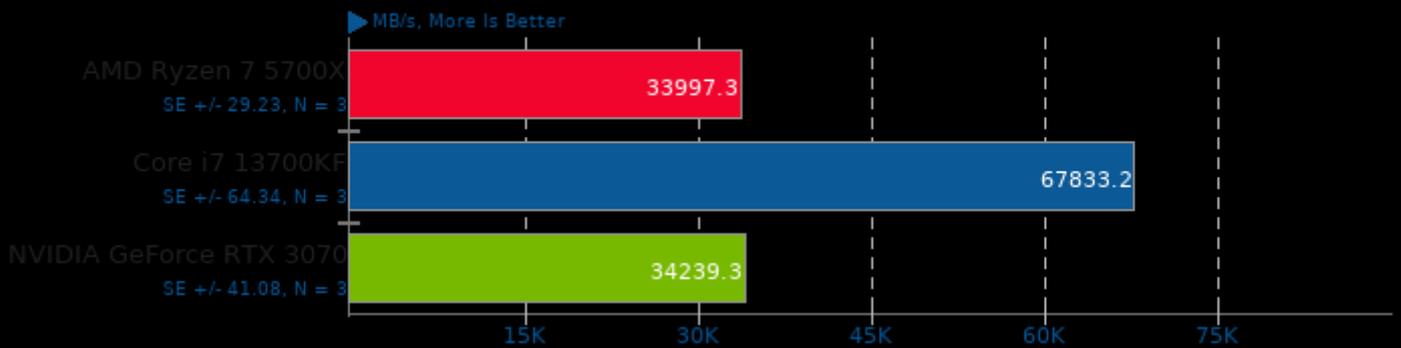
Intel Memory Latency Checker 3.10

Test: Max Bandwidth - 2:1 Reads-Writes



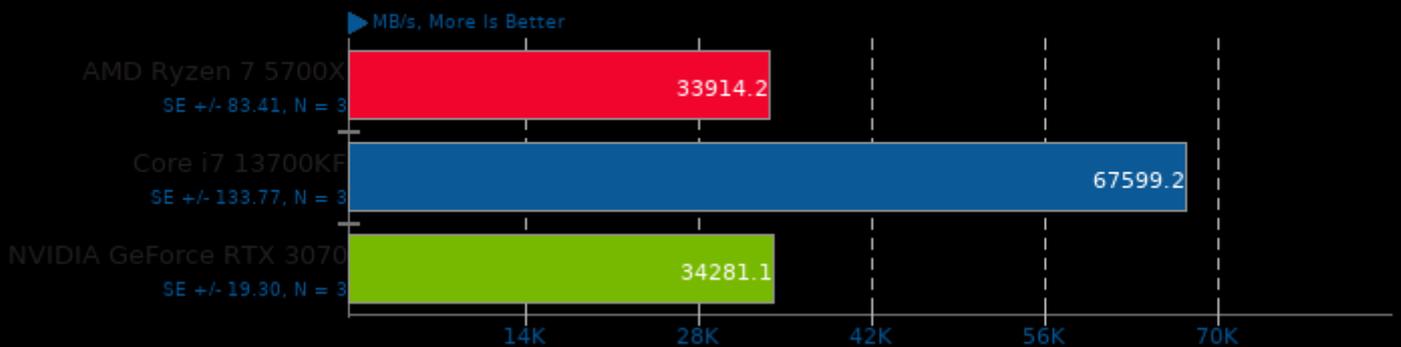
Intel Memory Latency Checker 3.10

Test: Peak Injection Bandwidth - 3:1 Reads-Writes



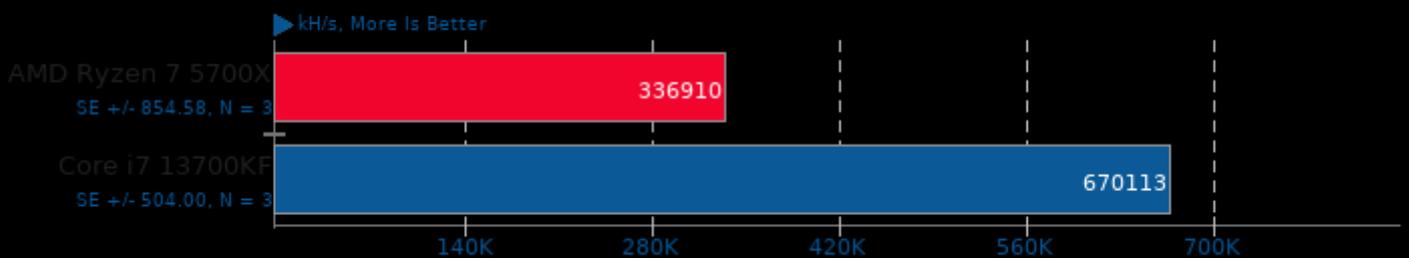
Intel Memory Latency Checker 3.10

Test: Peak Injection Bandwidth - 2:1 Reads-Writes



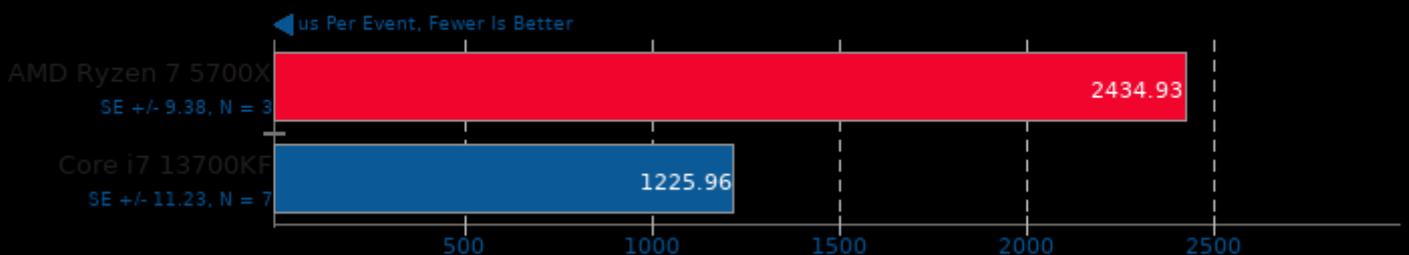
Cpuminer-Opt 3.20.3

Algorithm: Blake-2 S



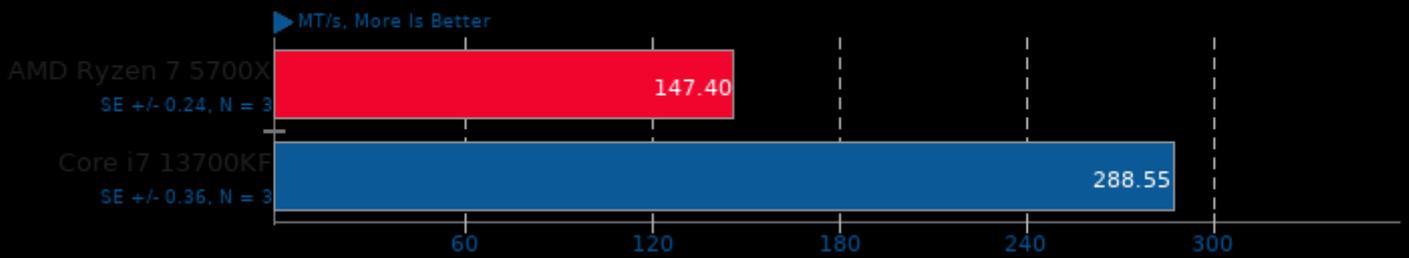
OSBench

Test: Launch Programs



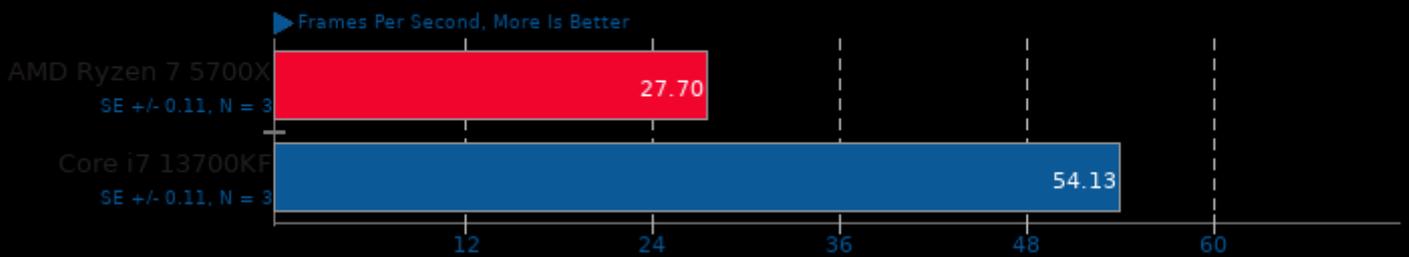
ASTC Encoder 4.0

Preset: Fast



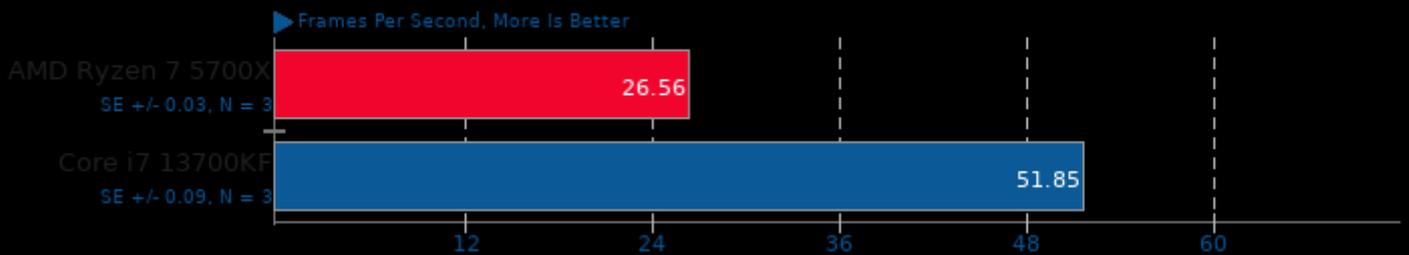
x264 2022-02-22

Video Input: Bosphorus 4K



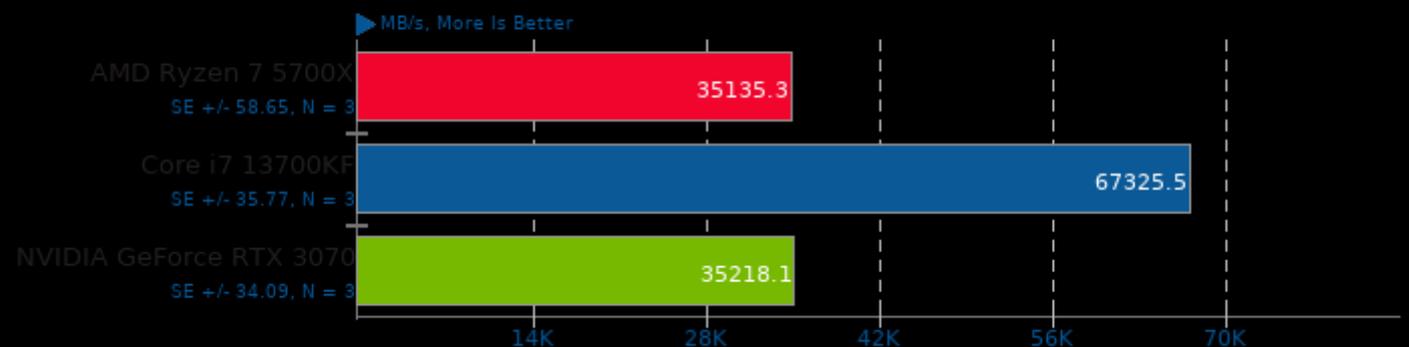
SVT-AV1 1.4

Encoder Mode: Preset 8 - Input: Bosphorus 4K



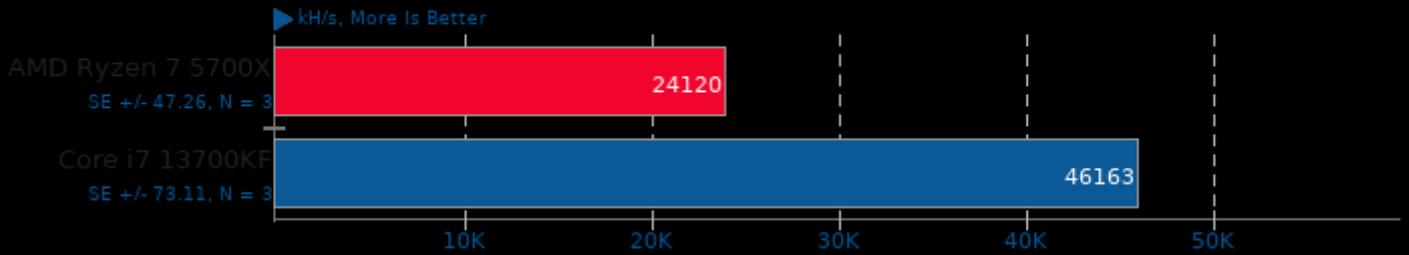
Intel Memory Latency Checker 3.10

Test: Peak Injection Bandwidth - Stream-Triad Like



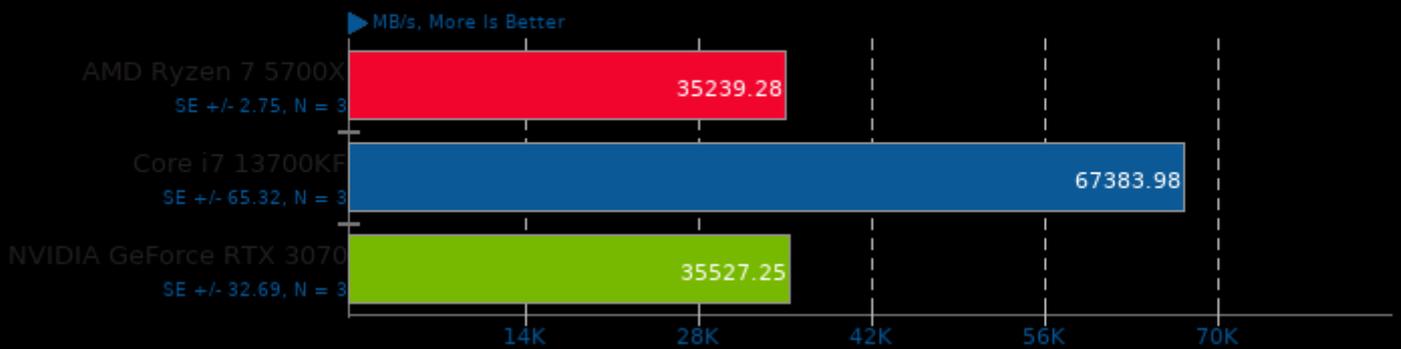
Cpuminer-Opt 3.20.3

Algorithm: LBC, LBRY Credits



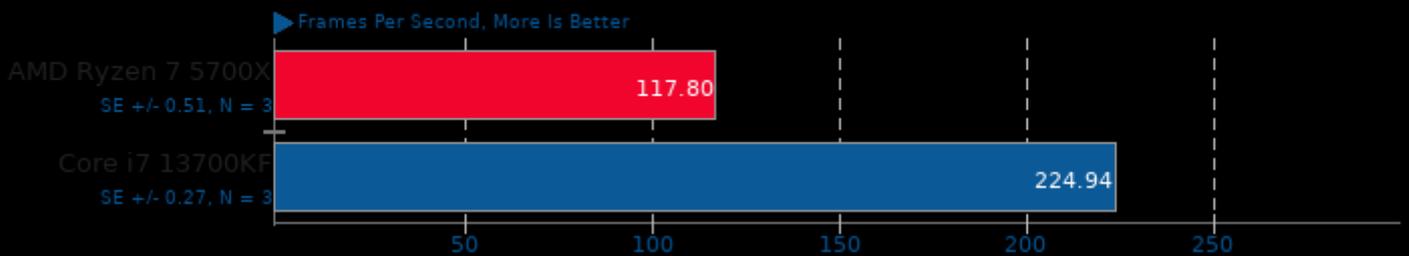
Intel Memory Latency Checker 3.10

Test: Max Bandwidth - Stream-Triad Like



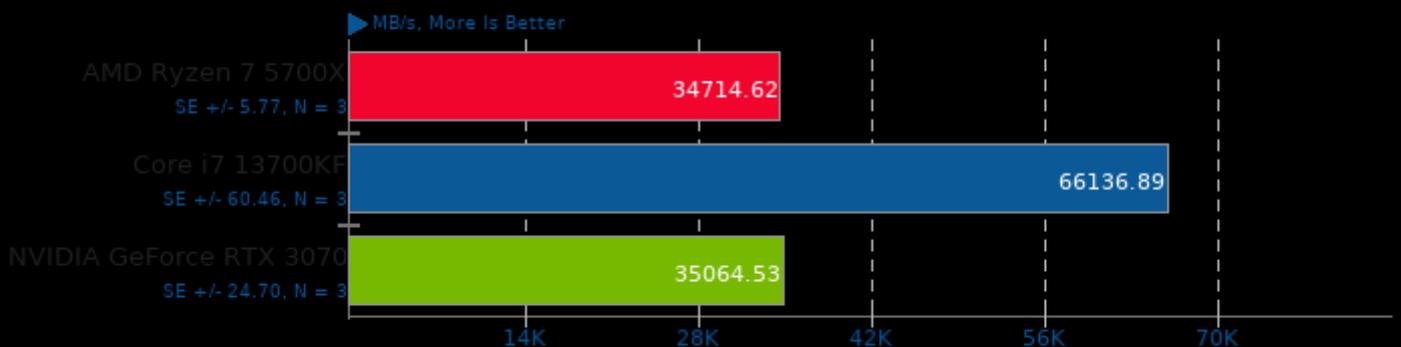
x264 2022-02-22

Video Input: Bosphorus 1080p



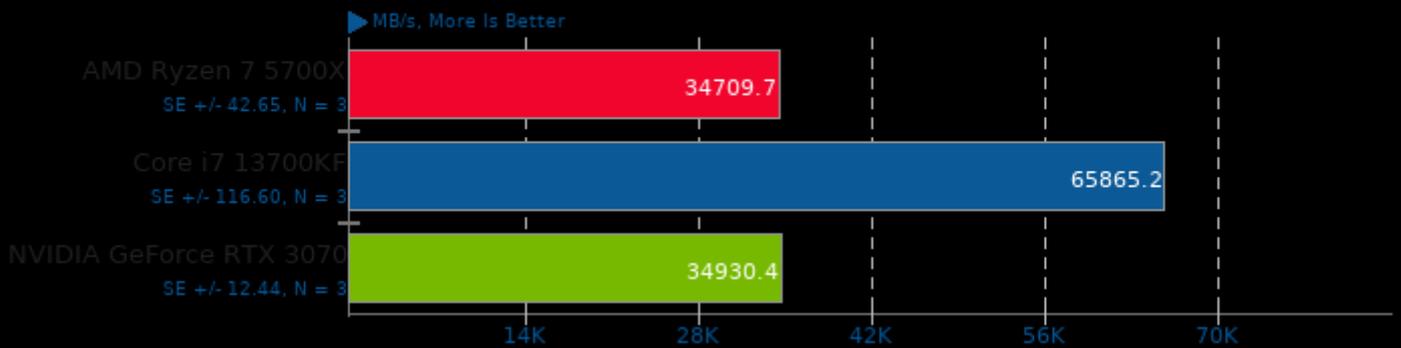
Intel Memory Latency Checker 3.10

Test: Max Bandwidth - 1:1 Reads-Writes



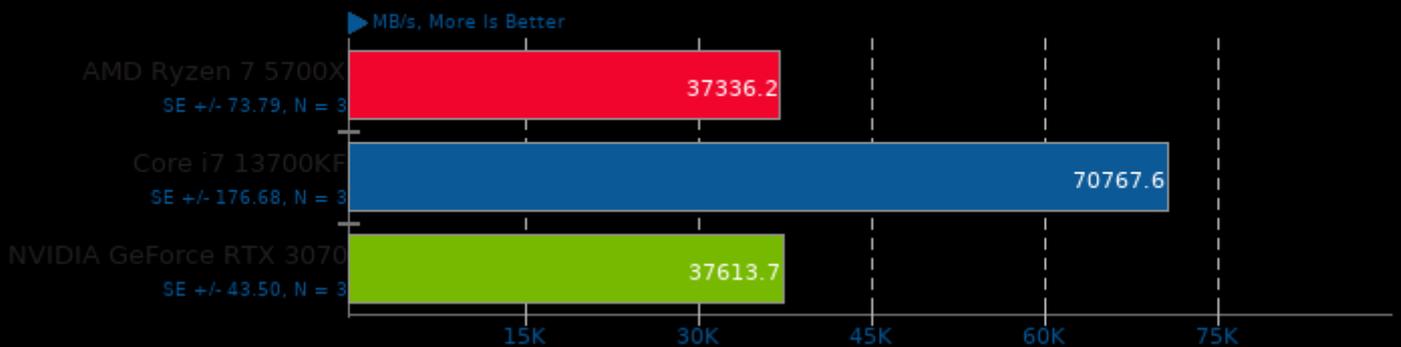
Intel Memory Latency Checker 3.10

Test: Peak Injection Bandwidth - 1:1 Reads-Writes



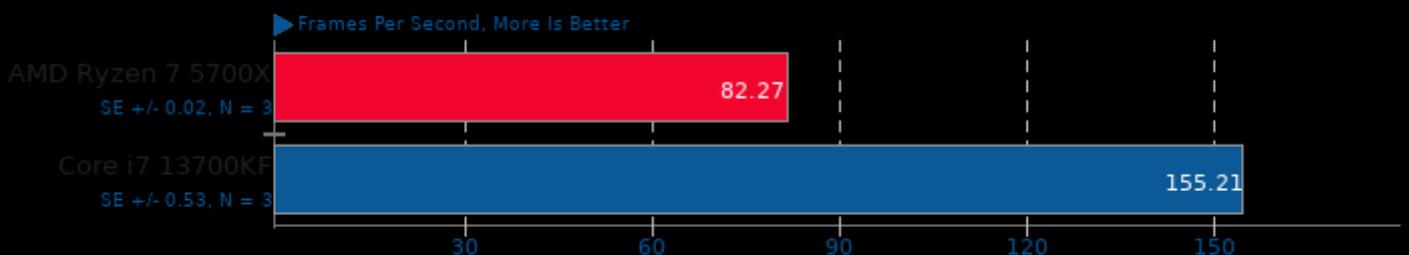
Intel Memory Latency Checker 3.10

Test: Peak Injection Bandwidth - All Reads



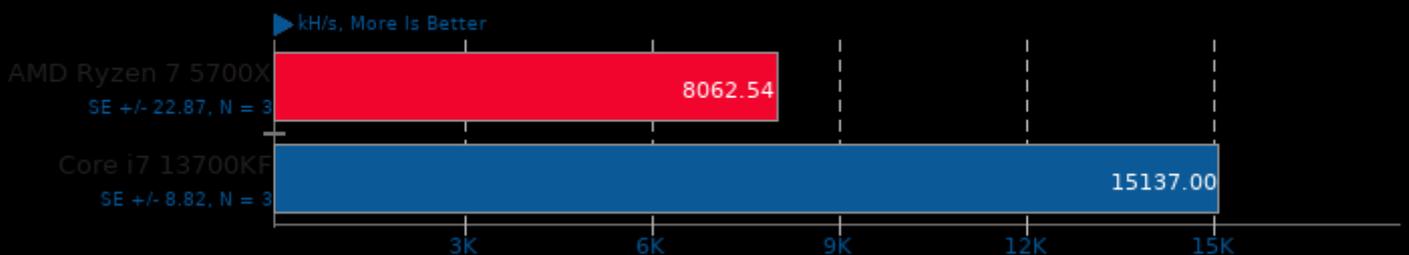
SVT-AV1 1.4

Encoder Mode: Preset 8 - Input: Bosphorus 1080p



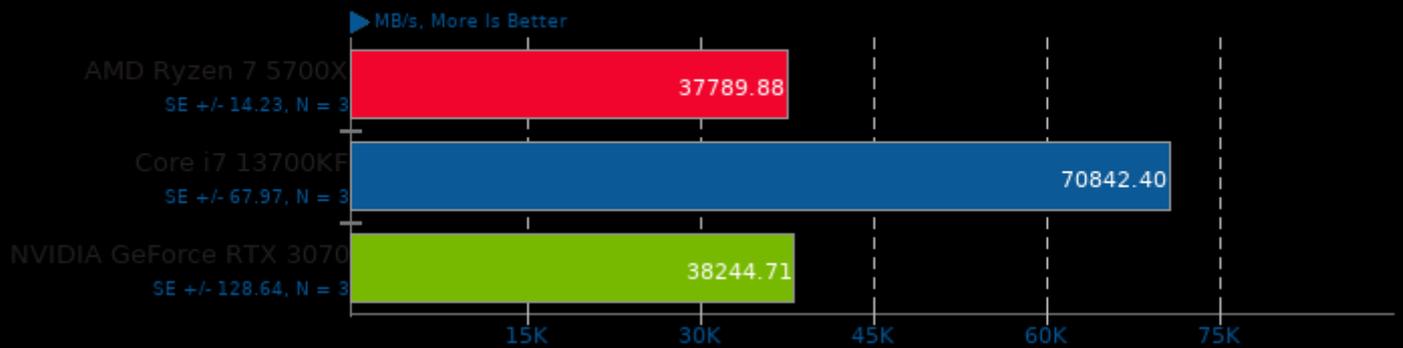
Cpuminer-Opt 3.20.3

Algorithm: Deepcoin



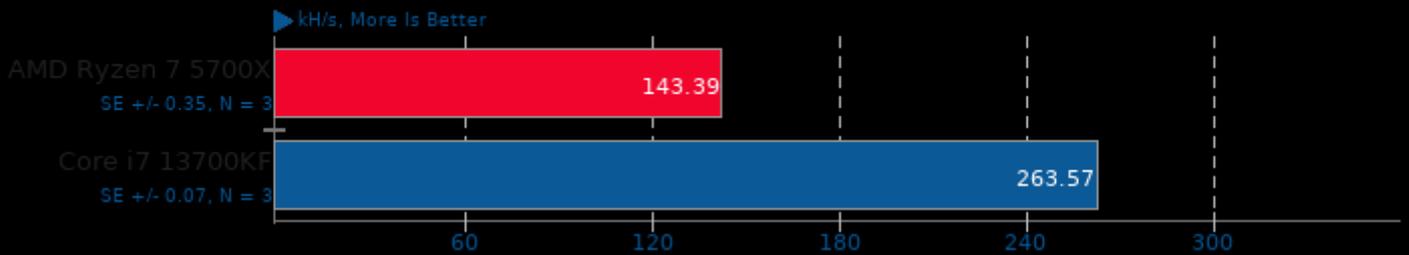
Intel Memory Latency Checker 3.10

Test: Max Bandwidth - All Reads



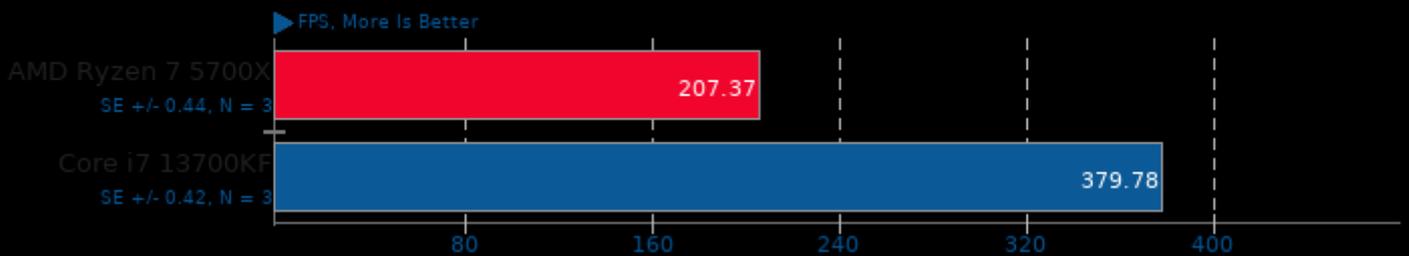
Cpuminer-Opt 3.20.3

Algorithm: scrypt



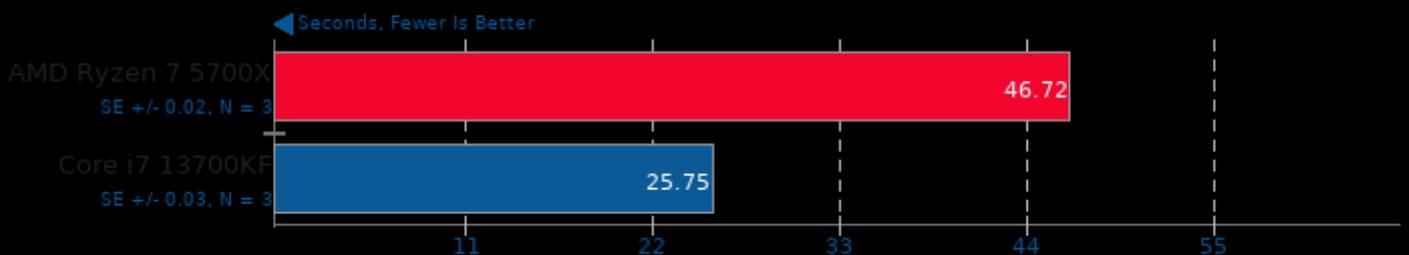
dav1d 1.0

Video Input: Summer Nature 4K



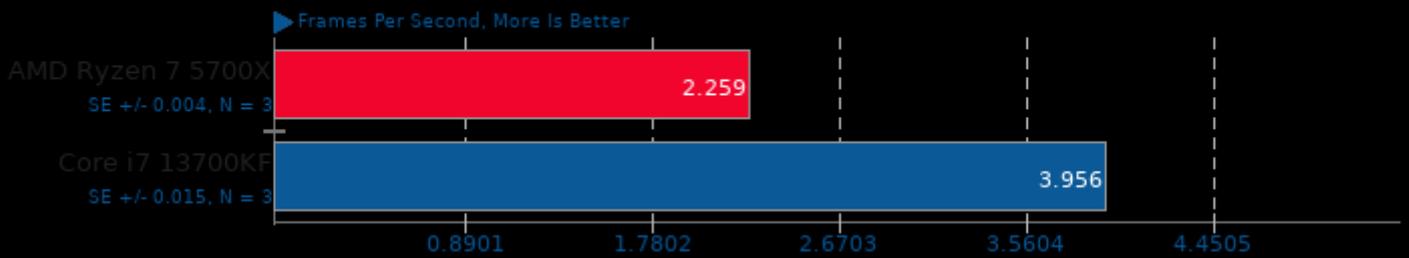
Y-Cruncher 0.7.10.9513

Pi Digits To Calculate: 1B



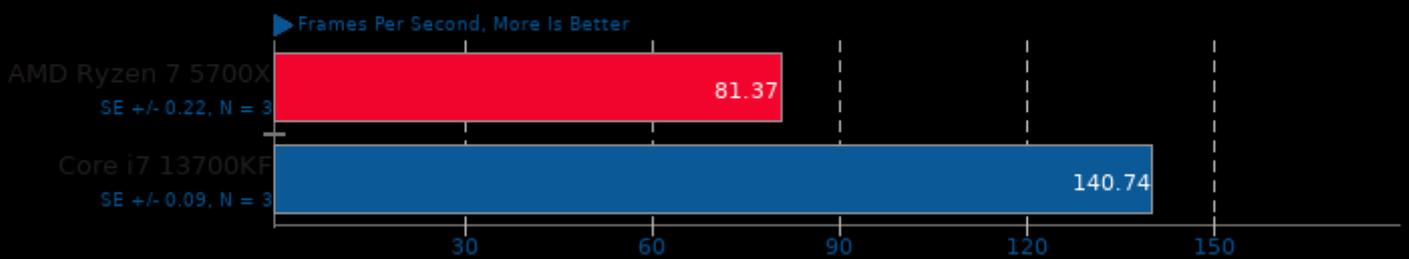
SVT-AV1 1.4

Encoder Mode: Preset 4 - Input: Bosphorus 4K



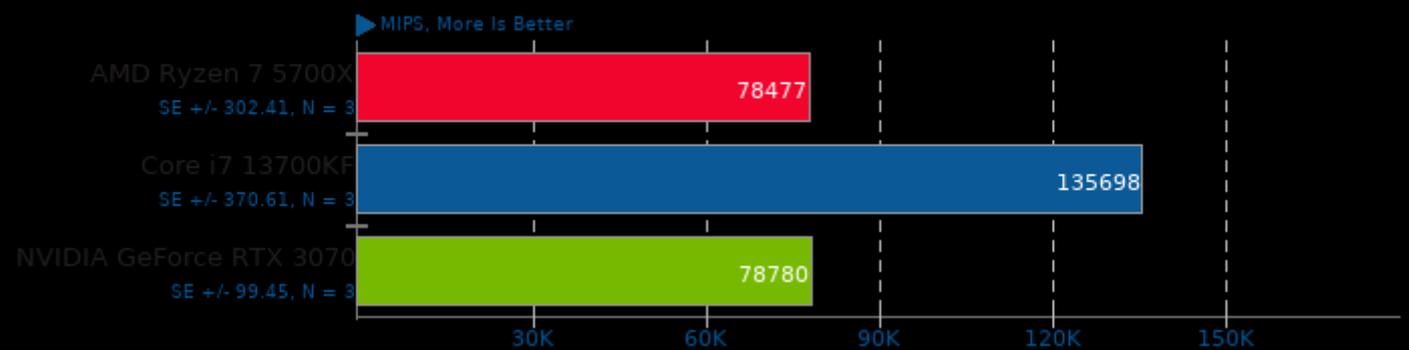
SVT-AV1 1.4

Encoder Mode: Preset 12 - Input: Bosphorus 4K



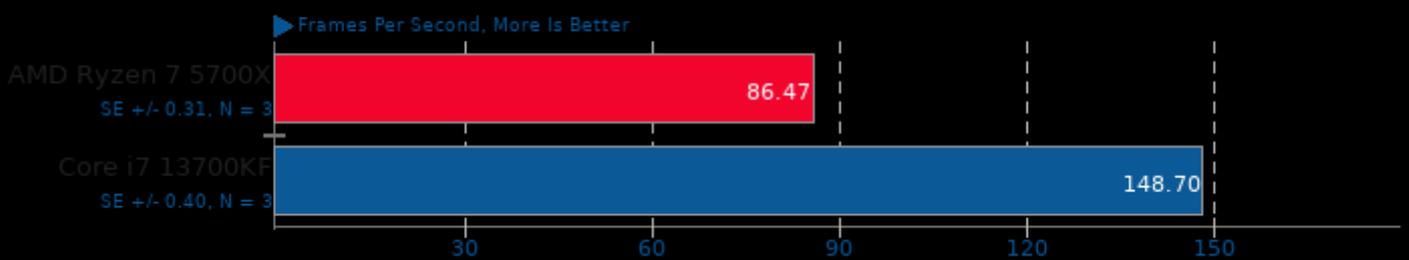
7-Zip Compression 22.01

Test: Compression Rating



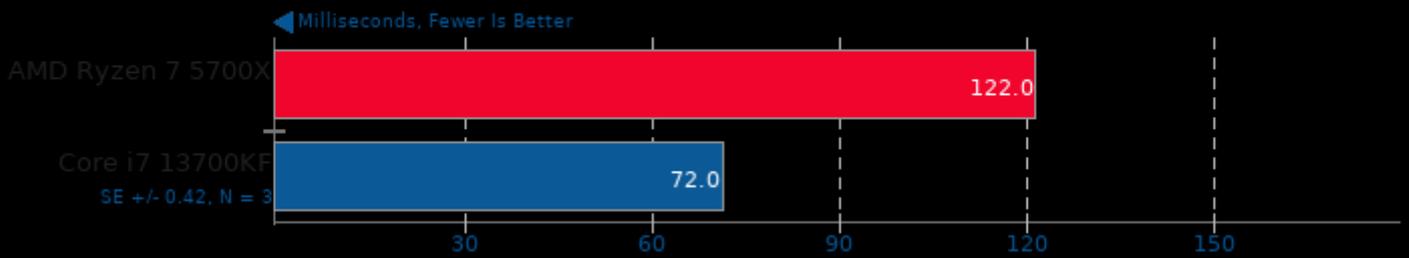
SVT-AV1 1.4

Encoder Mode: Preset 13 - Input: Bosphorus 4K



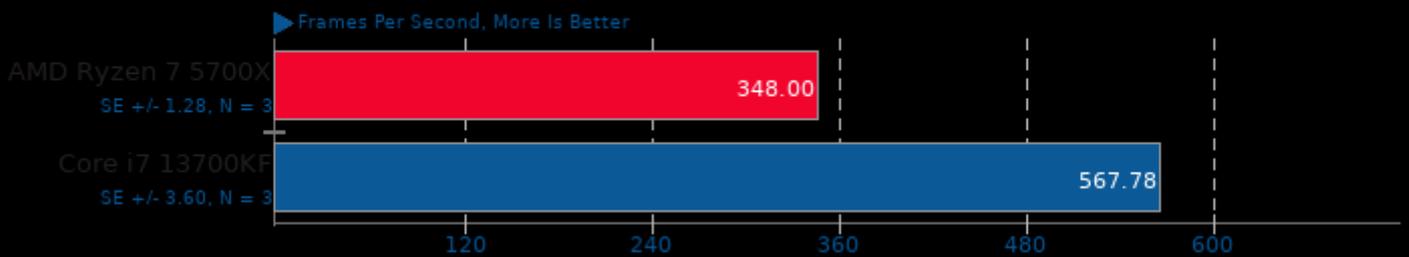
PyPerformance 1.0.0

Benchmark: pathlib



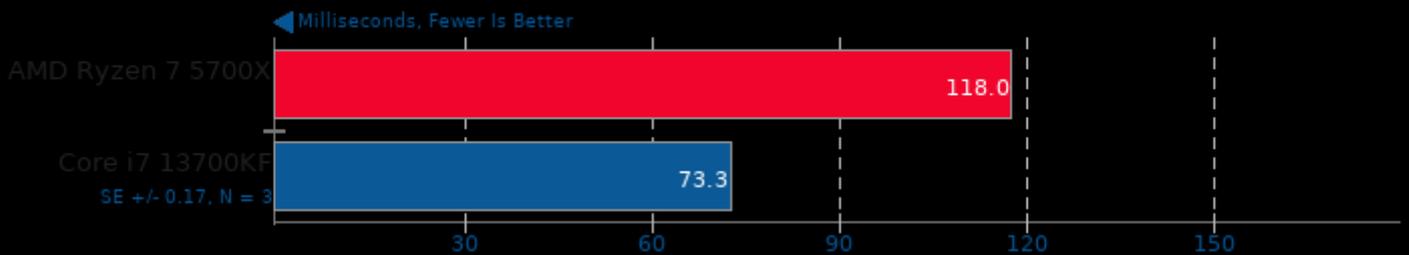
SVT-AV1 1.4

Encoder Mode: Preset 12 - Input: Bosphorus 1080p



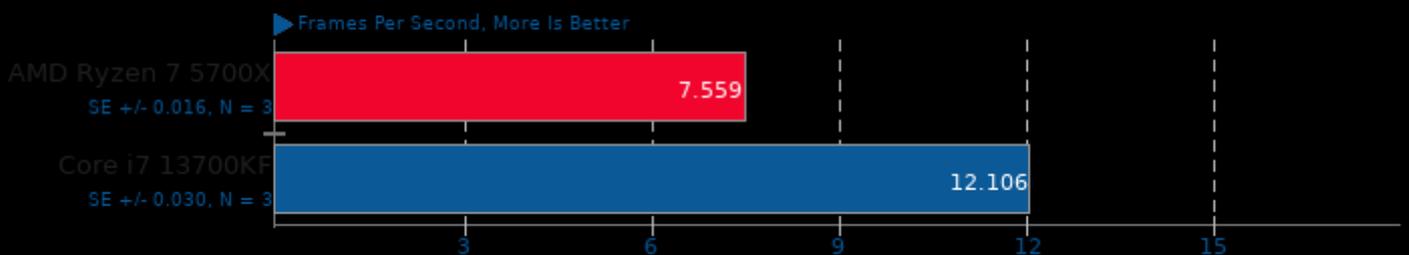
PyPerformance 1.0.0

Benchmark: nbody



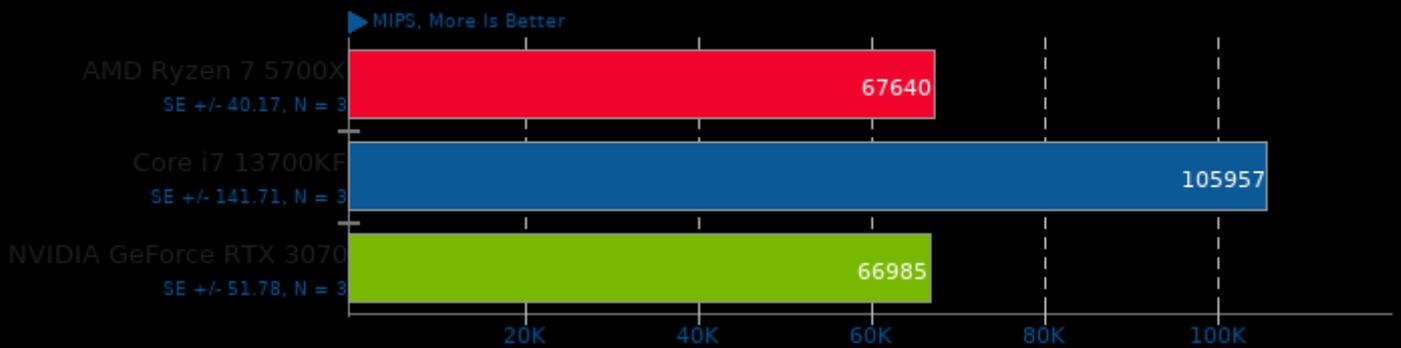
SVT-AV1 1.4

Encoder Mode: Preset 4 - Input: Bosphorus 1080p



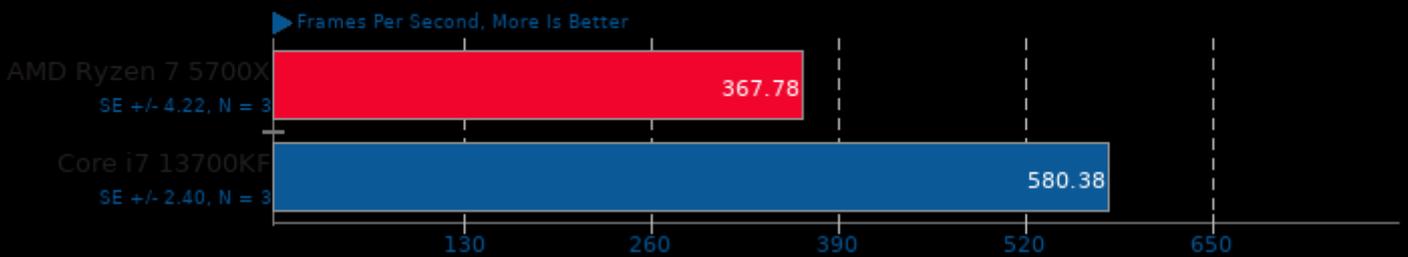
7-Zip Compression 22.01

Test: Decompression Rating



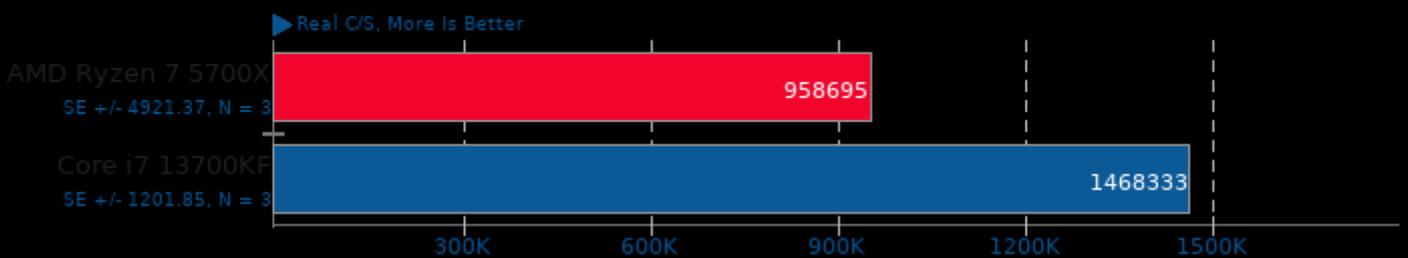
SVT-AV1 1.4

Encoder Mode: Preset 13 - Input: Bosphorus 1080p



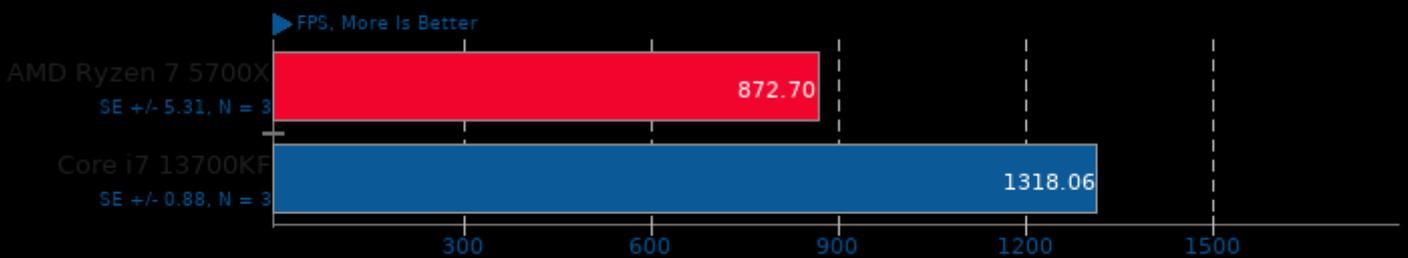
John The Ripper 1.9.0-jumbo-1

Test: MD5



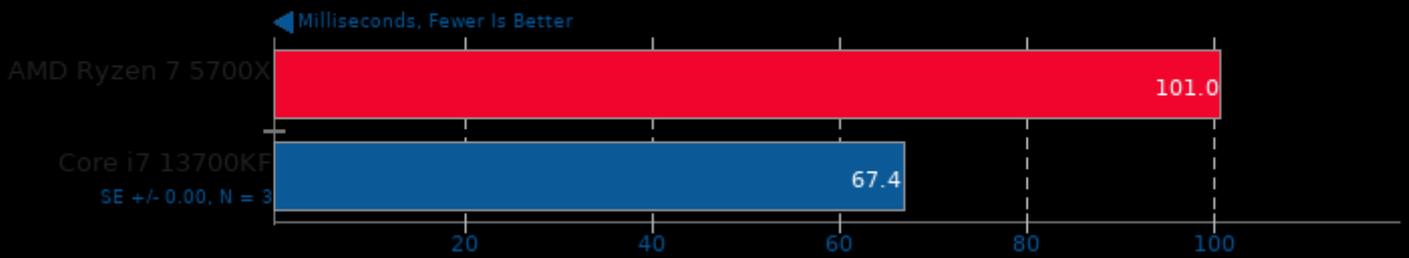
dav1d 1.0

Video Input: Summer Nature 1080p



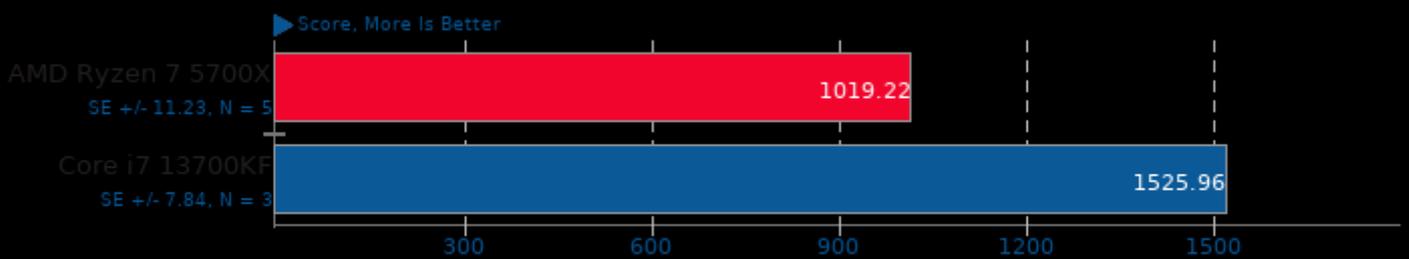
PyPerformance 1.0.0

Benchmark: crypto_pyaes



Selenium

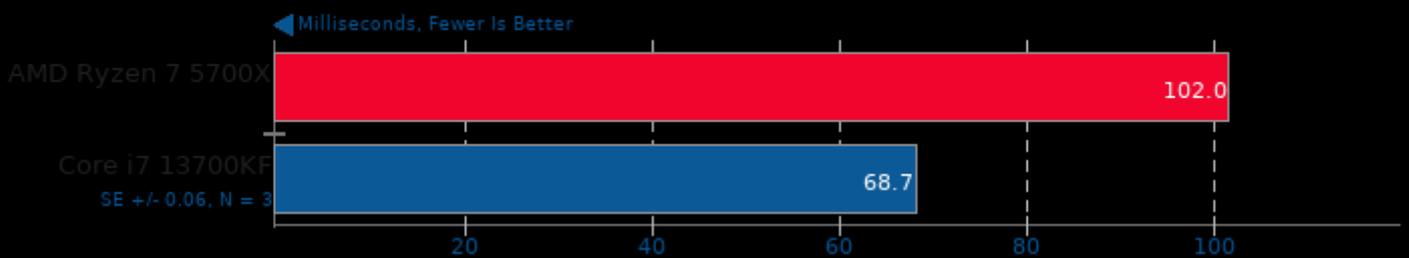
Benchmark: MotionMark - Browser: Firefox



1. AMD Ryzen 7 5700X: firefox 108.0.1
2. Core i7 13700KF: firefox 108.0.2

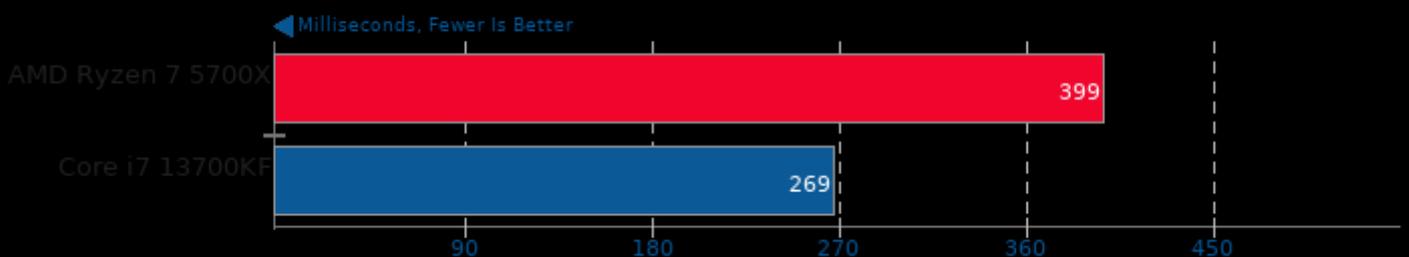
PyPerformance 1.0.0

Benchmark: chaos



PyPerformance 1.0.0

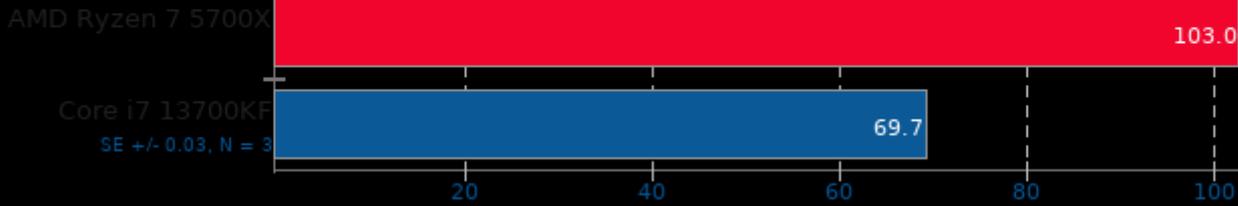
Benchmark: pickle_pure_python



PyPerformance 1.0.0

Benchmark: float

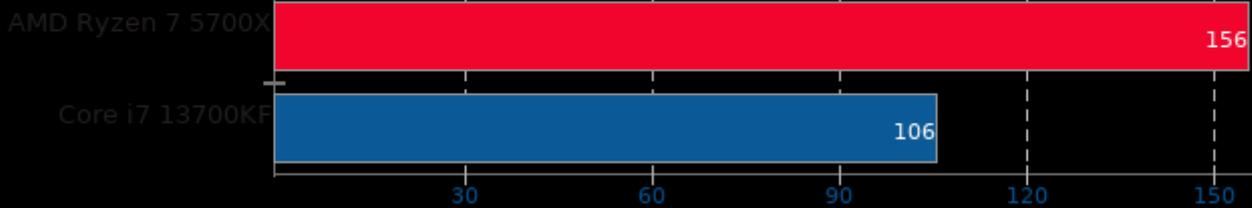
◀ Milliseconds, Fewer Is Better



PyPerformance 1.0.0

Benchmark: regex_compile

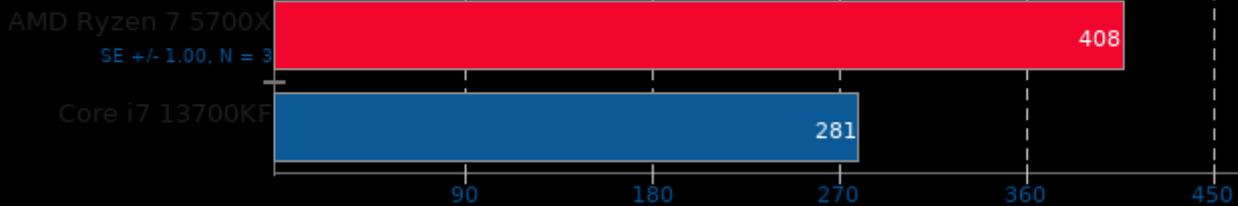
◀ Milliseconds, Fewer Is Better



PyPerformance 1.0.0

Benchmark: raytrace

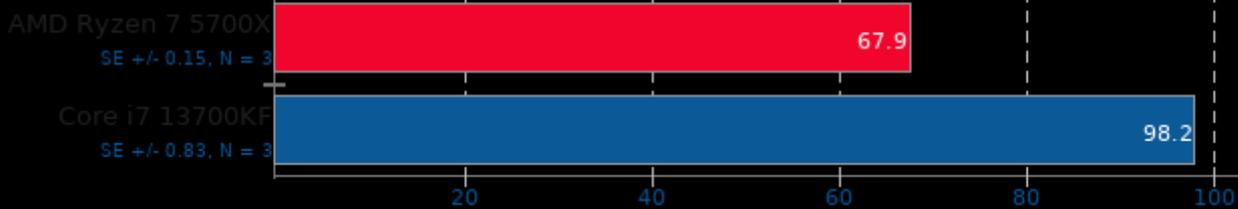
◀ Milliseconds, Fewer Is Better



yquake2 8.10

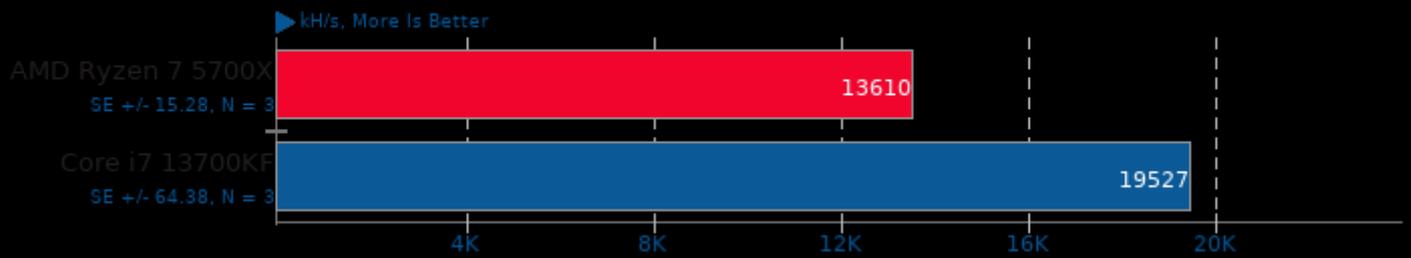
Renderer: Software CPU Color Light - AF: On - MSAA: On - Resolution: 2560 x 1440

▶ Frames Per Second, More Is Better



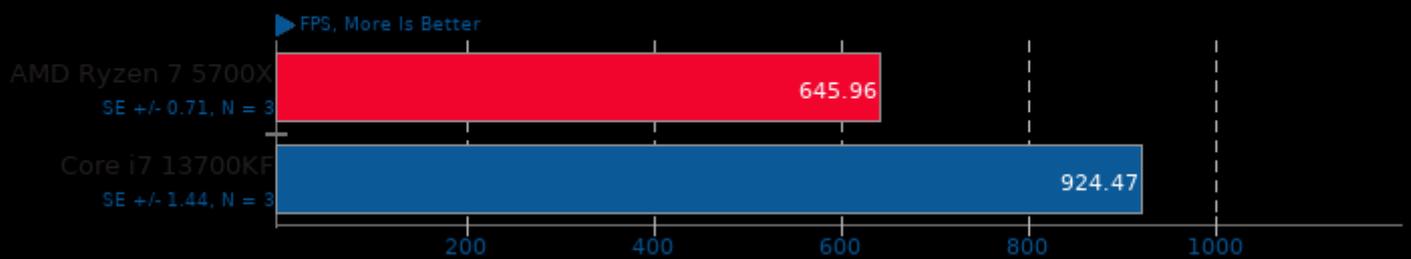
Cpuminer-Opt 3.20.3

Algorithm: Myriad-Groestl



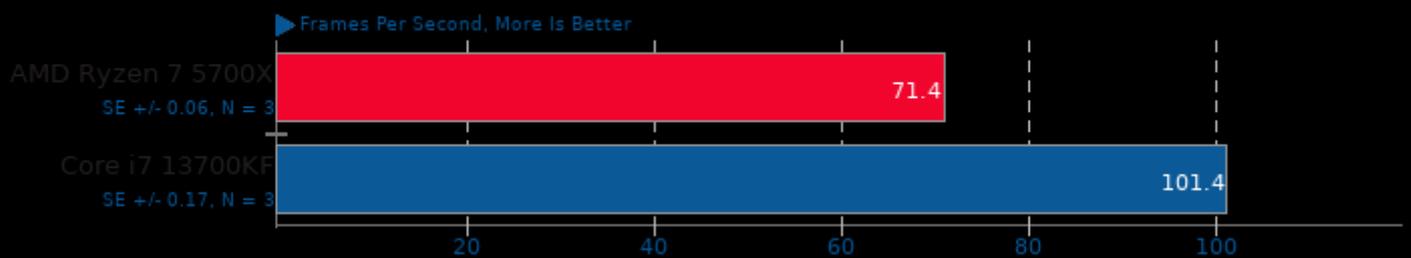
dav1d 1.0

Video Input: Chimera 1080p



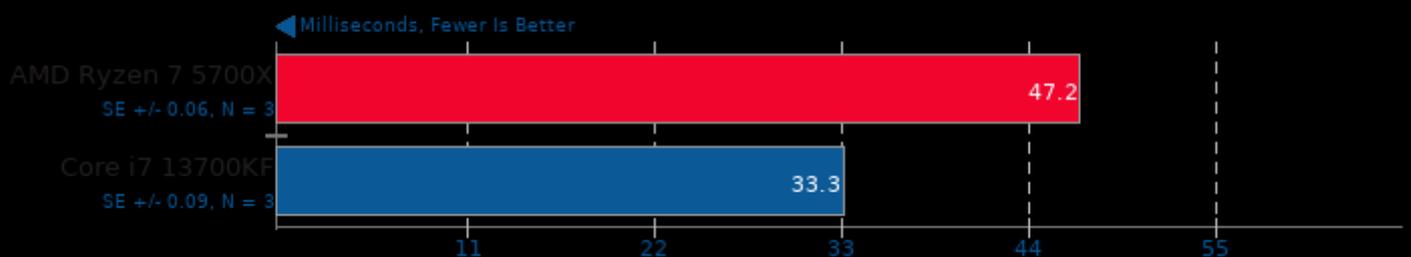
yquake2 8.10

Renderer: Software CPU - AF: On - MSAA: On - Resolution: 2560 x 1440



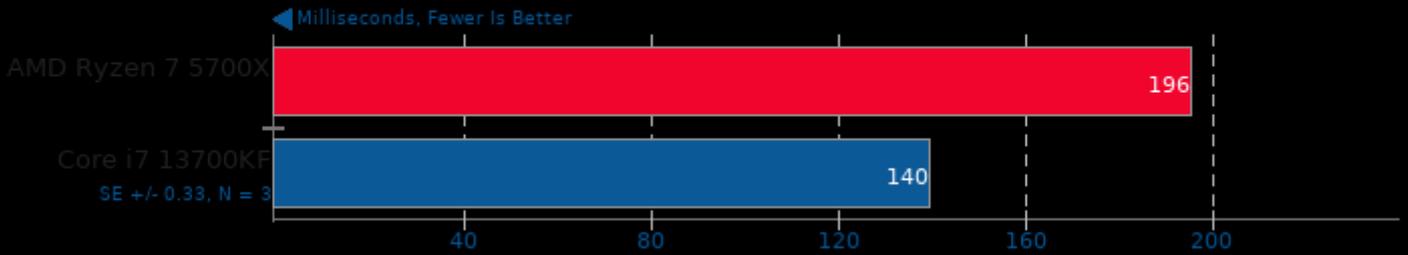
PyPerformance 1.0.0

Benchmark: django_template



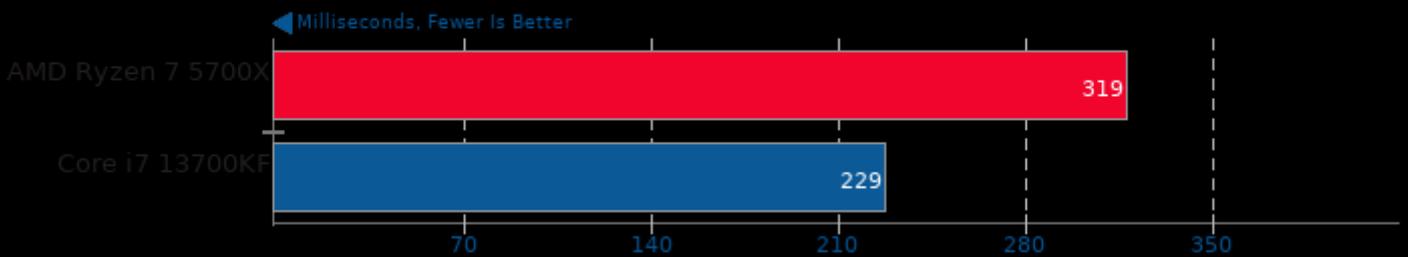
PyPerformance 1.0.0

Benchmark: go



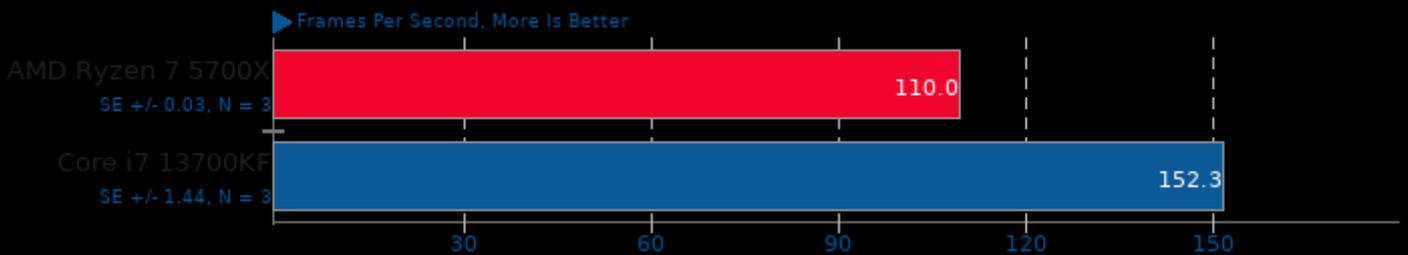
PyPerformance 1.0.0

Benchmark: 2to3



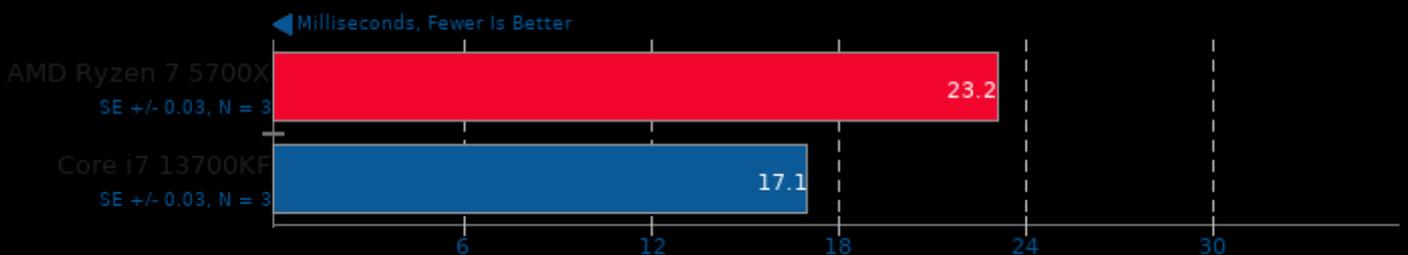
yquake2 8.10

Renderer: Software CPU Color Light - AF: On - MSAA: On - Resolution: 1920 x 1080



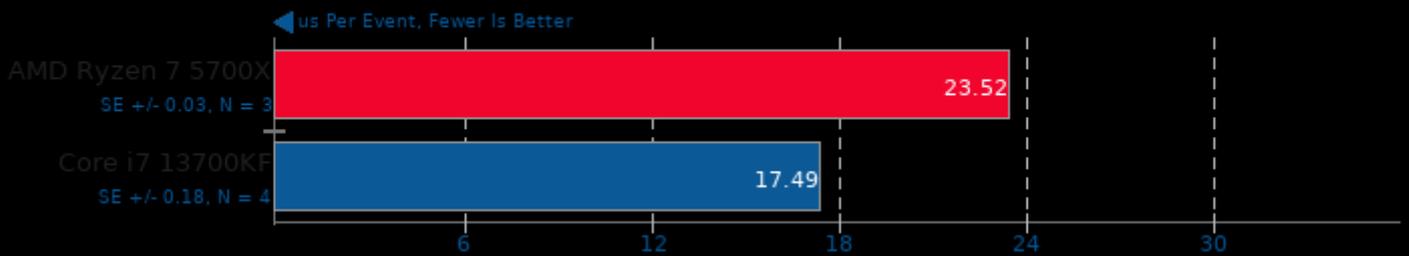
PyPerformance 1.0.0

Benchmark: json_loads



OSBench

Test: Create Threads



Selenium

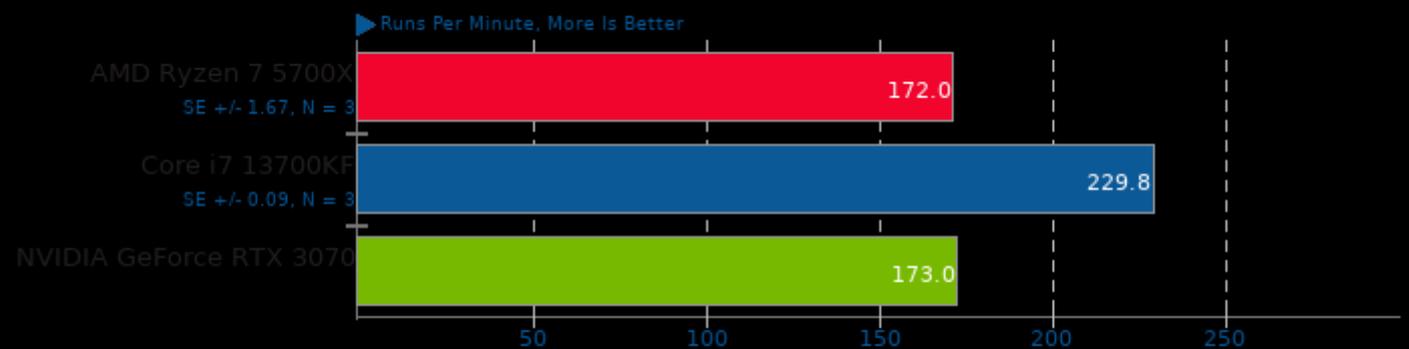
Benchmark: ARES-6 - Browser: Firefox



1. AMD Ryzen 7 5700X: firefox 108.0.1
2. Core i7 13700KF: firefox 108.0.2
3. NVIDIA GeForce RTX 3070: firefox 108.0.1

Selenium

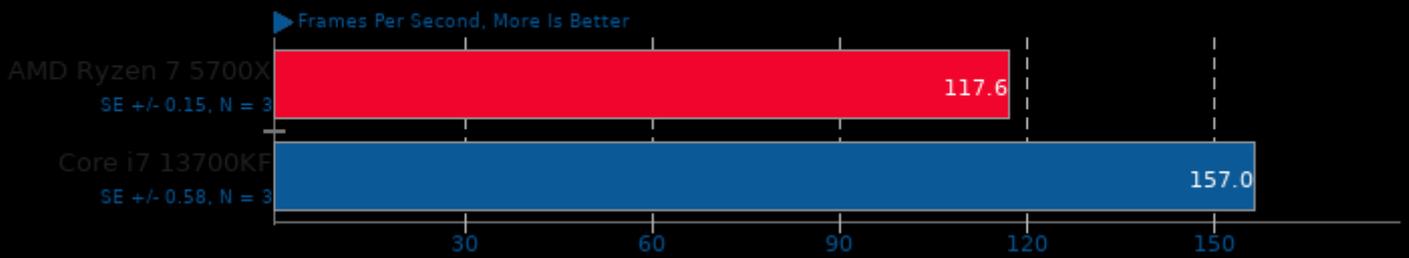
Benchmark: Speedometer - Browser: Firefox



1. AMD Ryzen 7 5700X: firefox 108.0.1
2. Core i7 13700KF: firefox 108.0.2
3. NVIDIA GeForce RTX 3070: firefox 108.0.1

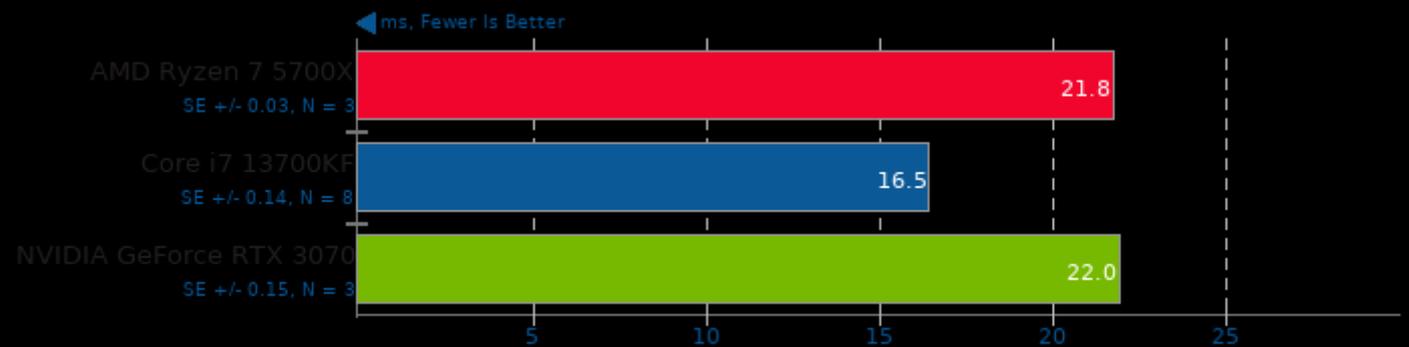
yquake2 8.10

Renderer: Software CPU - AF: On - MSAA: On - Resolution: 1920 x 1080



Selenium

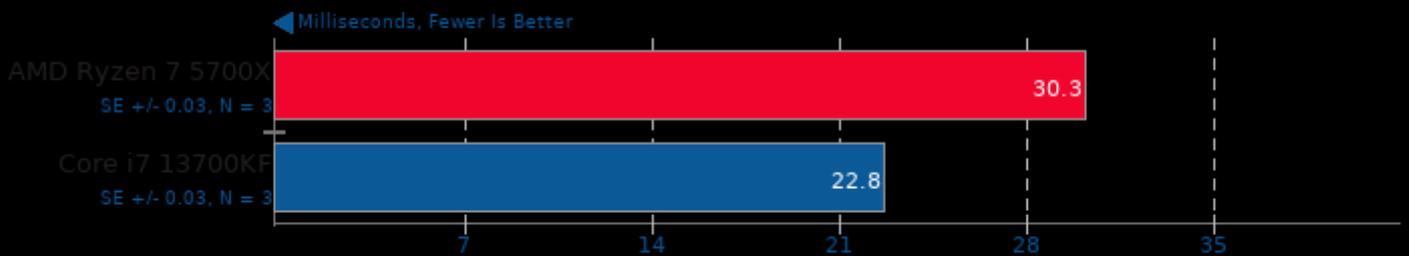
Benchmark: WASM imageConvolute - Browser: Firefox



1. AMD Ryzen 7 5700X: firefox 108.0.1
2. Core i7 13700KF: firefox 108.0.2
3. NVIDIA GeForce RTX 3070: firefox 108.0.1

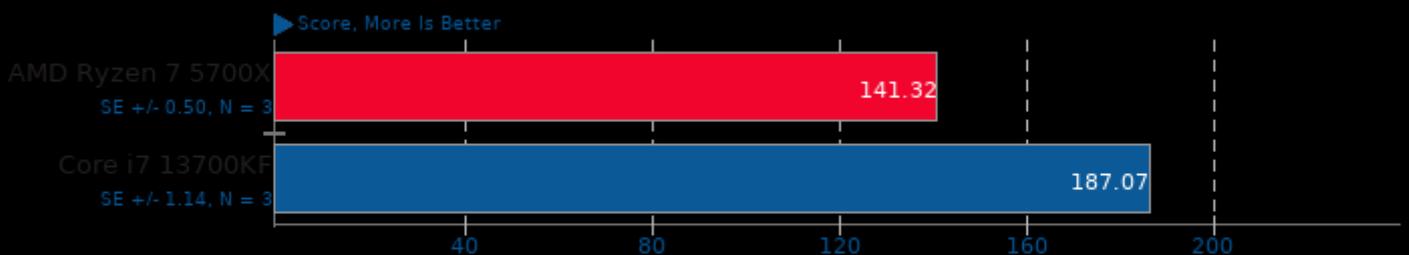
PyPerformance 1.0.0

Benchmark: python_startup



Selenium

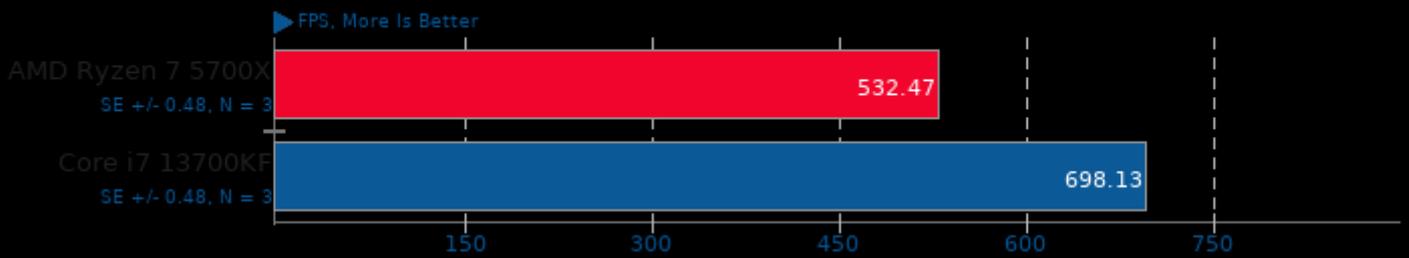
Benchmark: Jetstream 2 - Browser: Firefox



1. AMD Ryzen 7 5700X: firefox 108.0.1
2. Core i7 13700KF: firefox 108.0.2

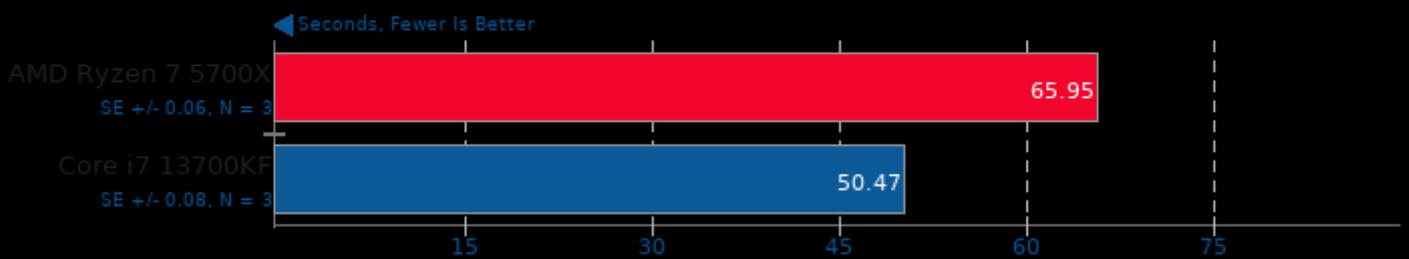
dav1d 1.0

Video Input: Chimera 1080p 10-bit



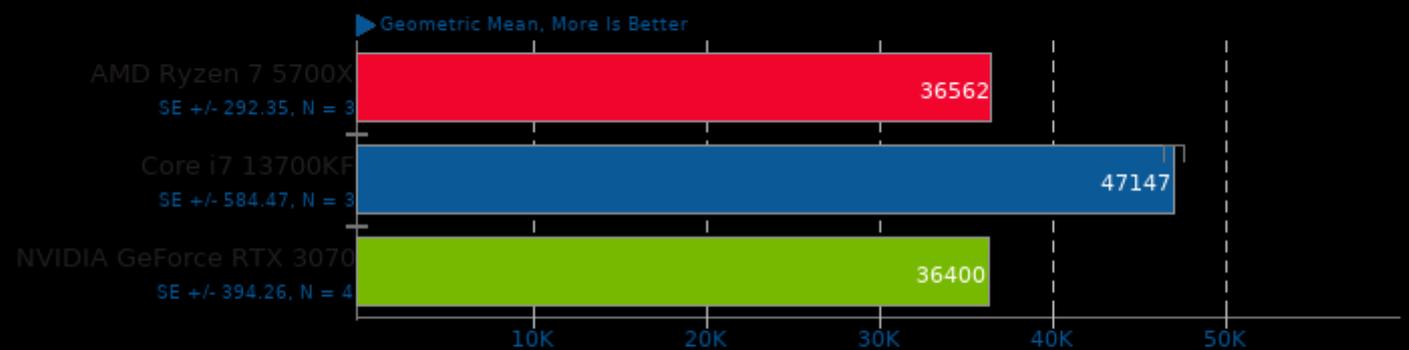
Tesseract OCR v4.0.0.20181030

Time To OCR 7 Images



Selenium

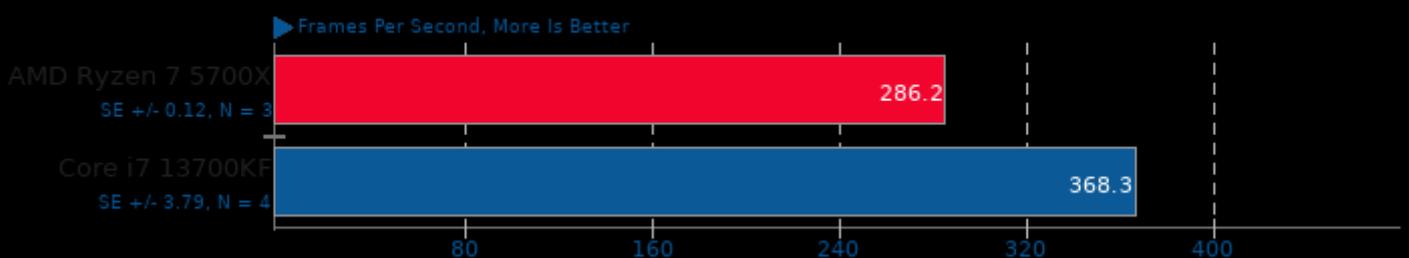
Benchmark: Octane - Browser: Firefox



1. AMD Ryzen 7 5700X: firefox 108.0.1
2. Core i7 13700KF: firefox 108.0.2
3. NVIDIA GeForce RTX 3070: firefox 108.0.1

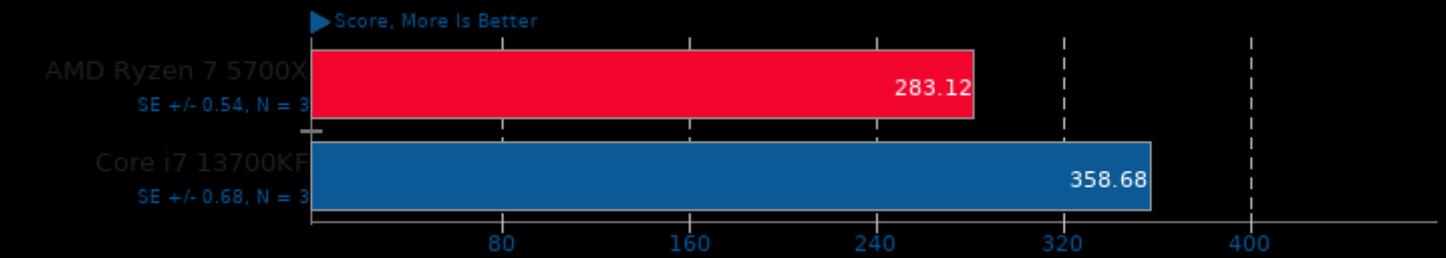
Unvanquished 0.53

Resolution: 1920 x 1080 - Effects Quality: Ultra



Selenium

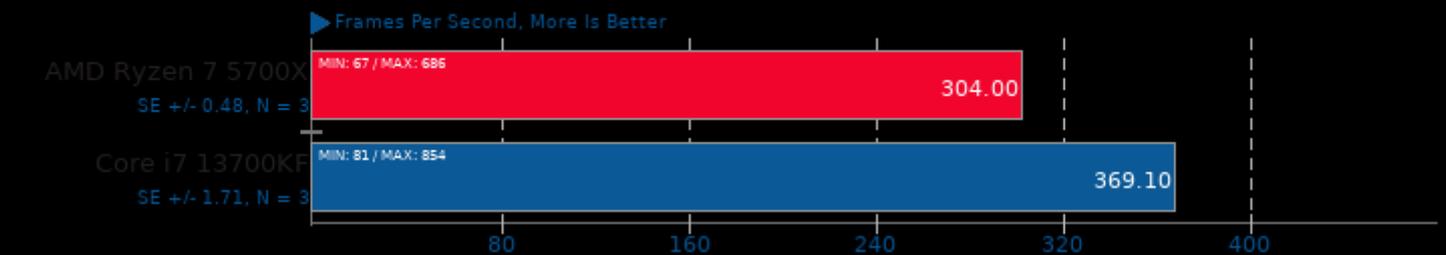
Benchmark: Jetstream - Browser: Firefox



1. AMD Ryzen 7 5700X: firefox 108.0.1
2. Core i7 13700KF: firefox 108.0.2

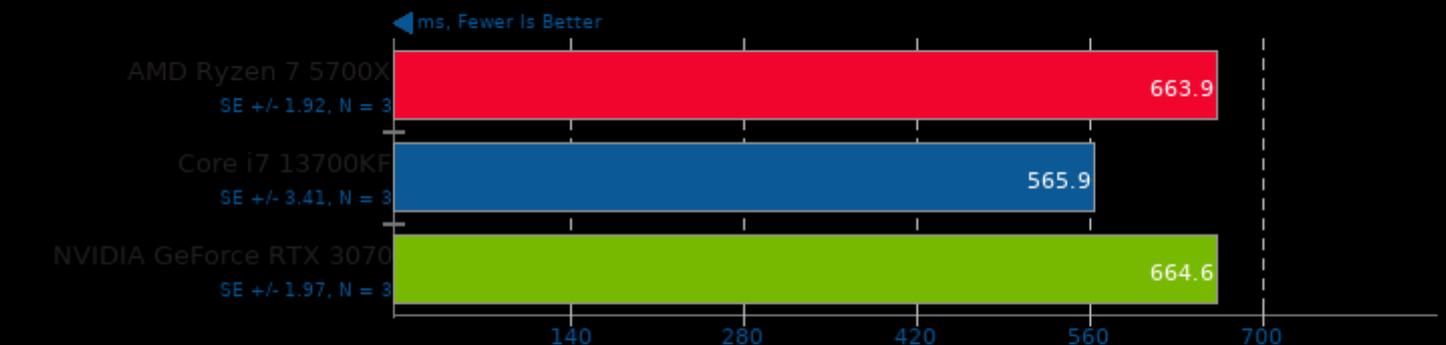
Xonotic 0.8.5

Resolution: 1920 x 1080 - Effects Quality: Ultimate



Selenium

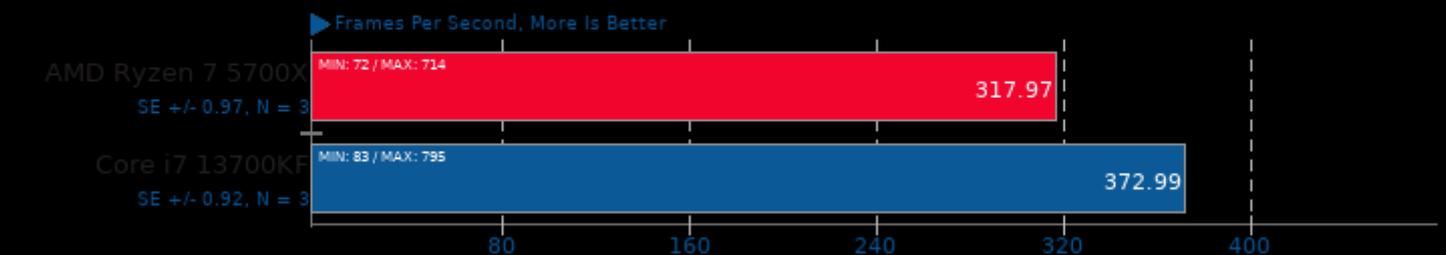
Benchmark: Kraken - Browser: Firefox



1. AMD Ryzen 7 5700X: firefox 108.0.1
2. Core i7 13700KF: firefox 108.0.2
3. NVIDIA GeForce RTX 3070: firefox 108.0.1

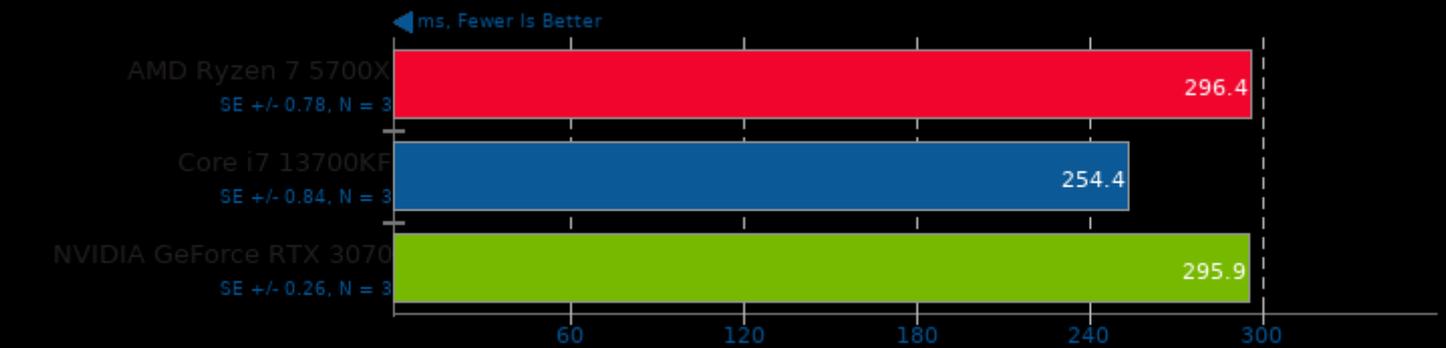
Xonotic 0.8.5

Resolution: 2560 x 1440 - Effects Quality: Ultimate



Selenium

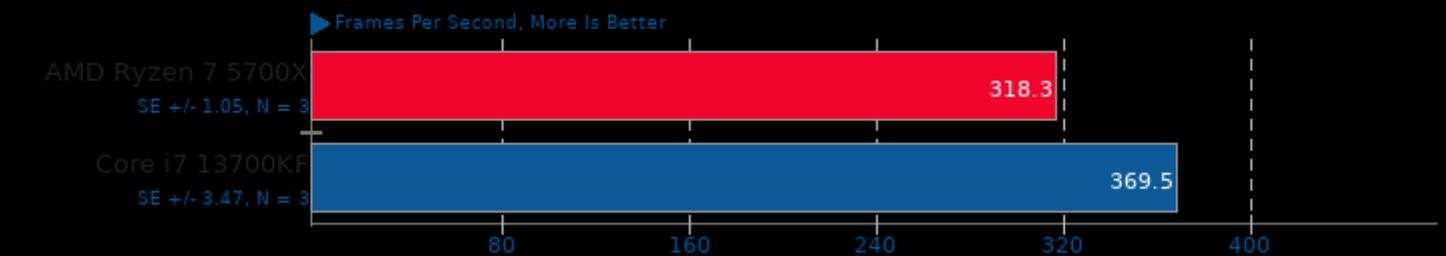
Benchmark: WASM collisionDetection - Browser: Firefox



1. AMD Ryzen 7 5700X: firefox 108.0.1
2. Core i7 13700KF: firefox 108.0.2
3. NVIDIA GeForce RTX 3070: firefox 108.0.1

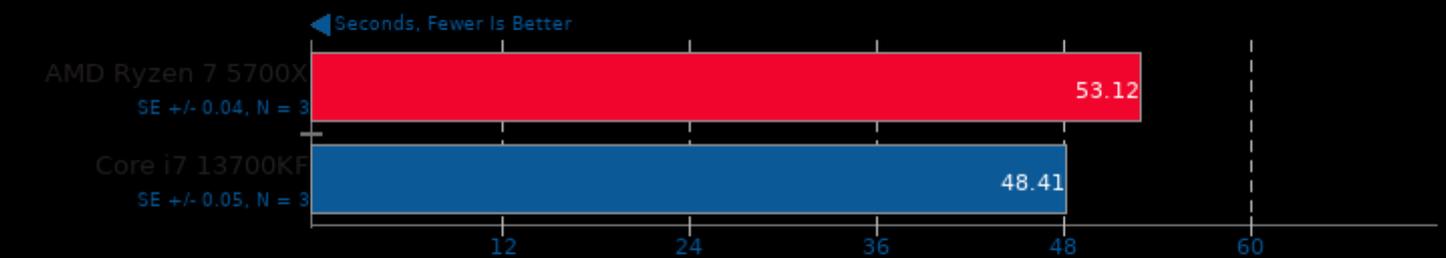
Unvanquished 0.53

Resolution: 2560 x 1440 - Effects Quality: Ultra



Git

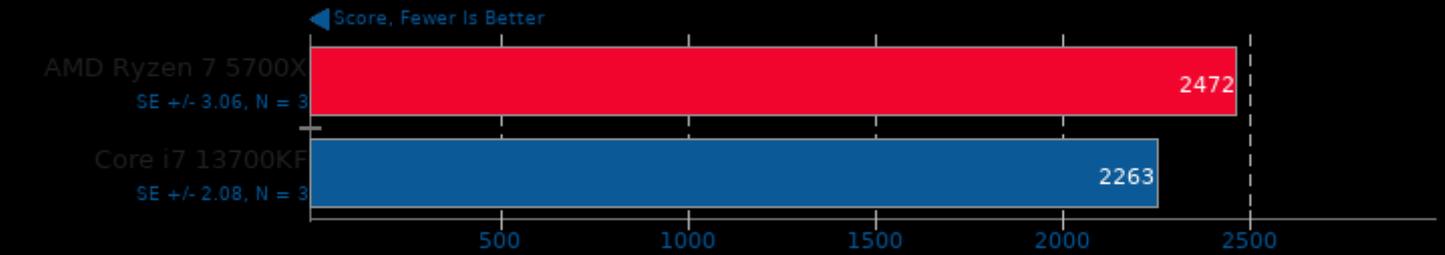
Time To Complete Common Git Commands



1. git version 2.36.1.windows.1

Selenium

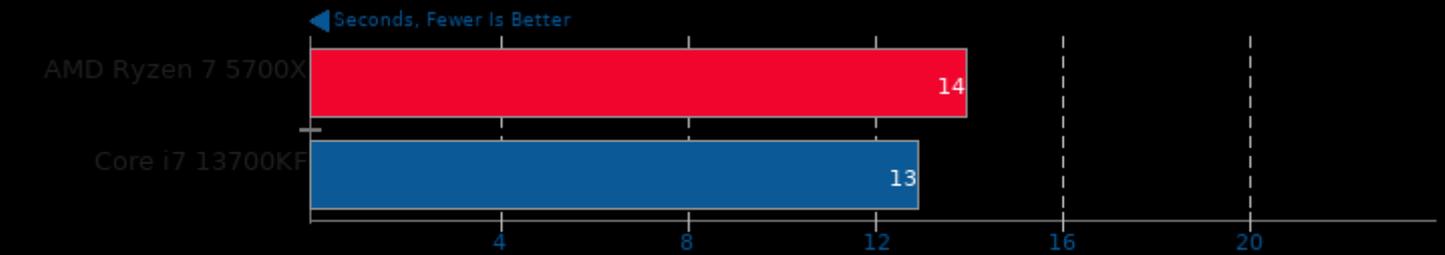
Benchmark: PSPDFKit WASM - Browser: Firefox



1. AMD Ryzen 7 5700X: firefox 108.0.1
2. Core i7 13700KF: firefox 108.0.2

Selenium

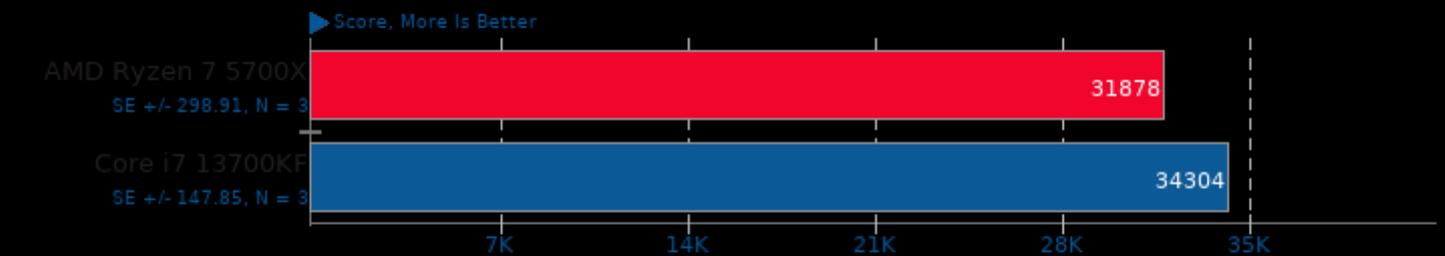
Benchmark: Maze Solver - Browser: Firefox



1. AMD Ryzen 7 5700X: firefox 108.0.1
2. Core i7 13700KF: firefox 108.0.2

Selenium

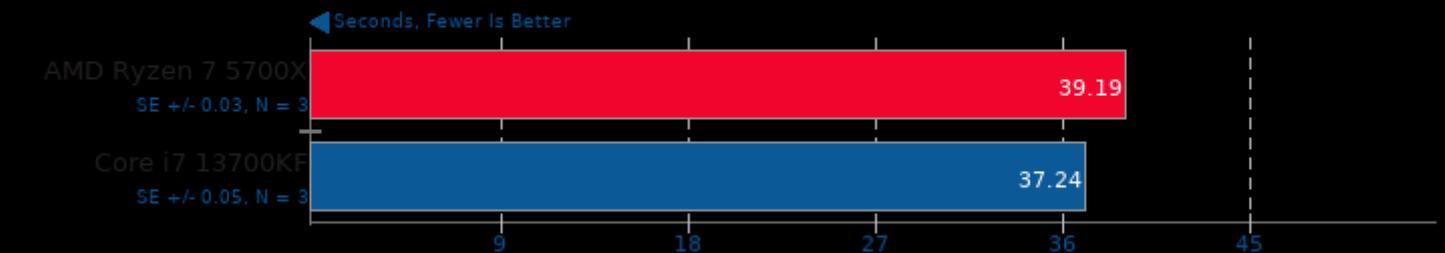
Benchmark: CanvasMark - Browser: Firefox



1. AMD Ryzen 7 5700X: firefox 108.0.1
2. Core i7 13700KF: firefox 108.0.2

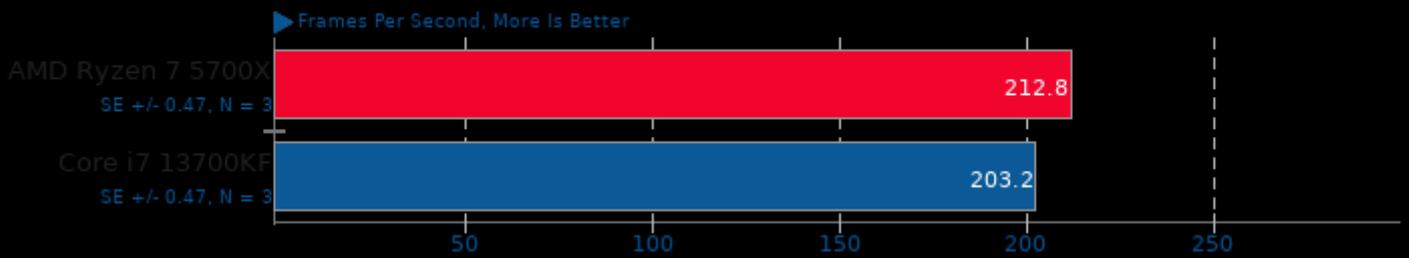
Blender 3.4

Blend File: Fishy Cat - Compute: NVIDIA CUDA



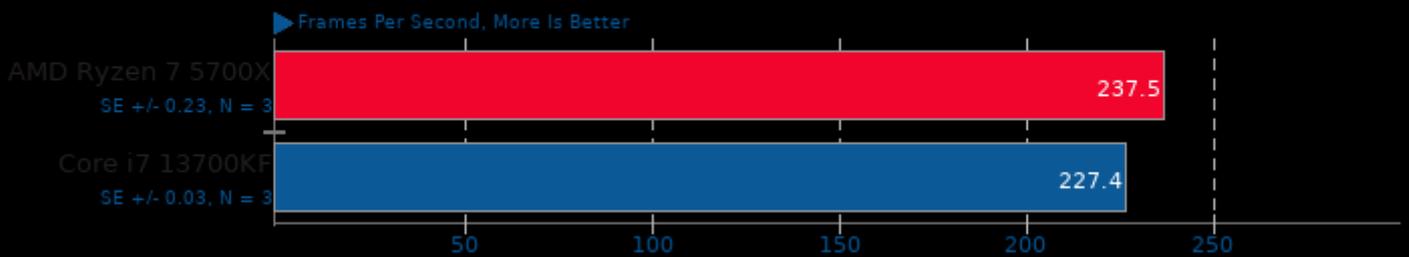
GravityMark 1.72

Resolution: 1920 x 1080 - Renderer: Vulkan Ray-Tracing



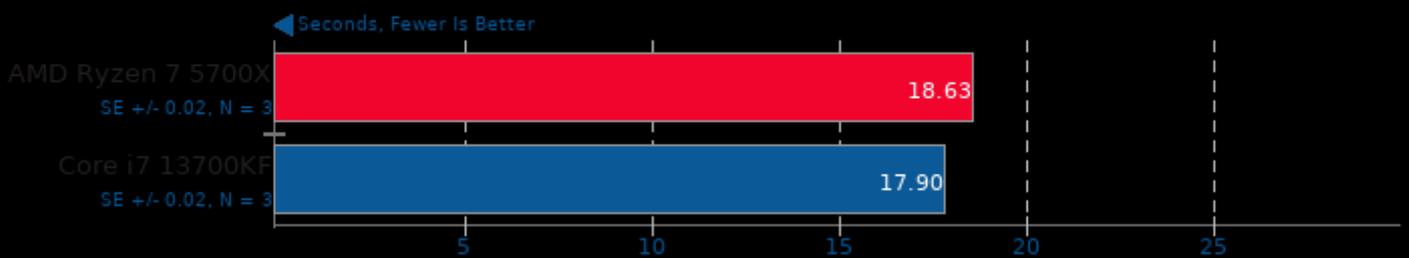
GravityMark 1.72

Resolution: 1920 x 1080 - Renderer: Vulkan



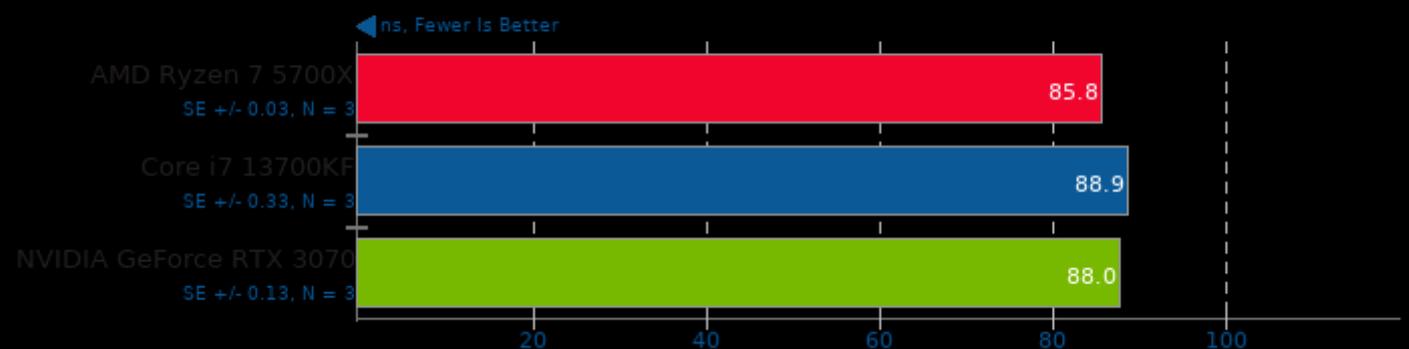
Blender 3.4

Blend File: BMW27 - Compute: NVIDIA CUDA



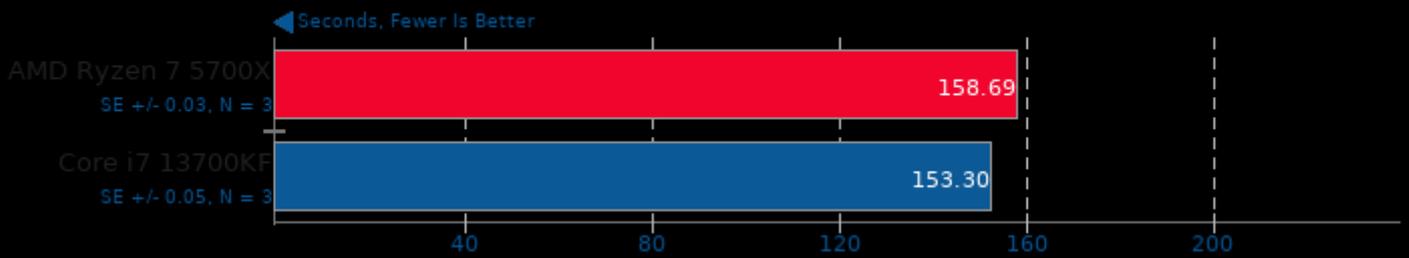
Intel Memory Latency Checker 3.10

Test: Idle Latency



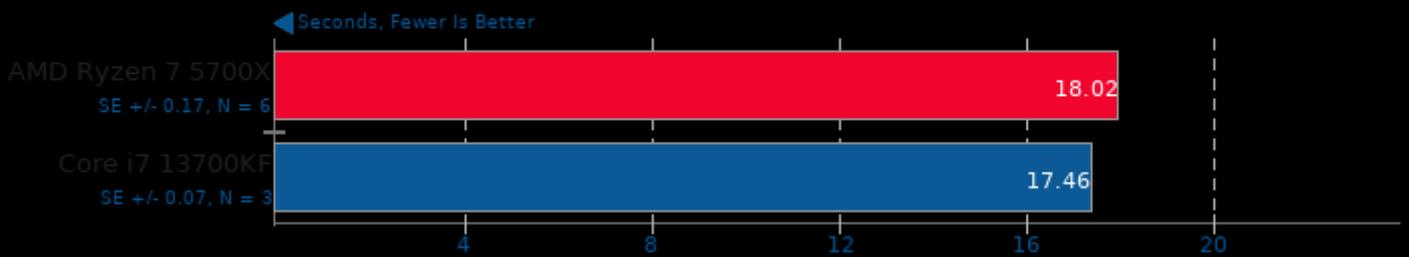
Blender 3.4

Blend File: Barbershop - Compute: NVIDIA CUDA



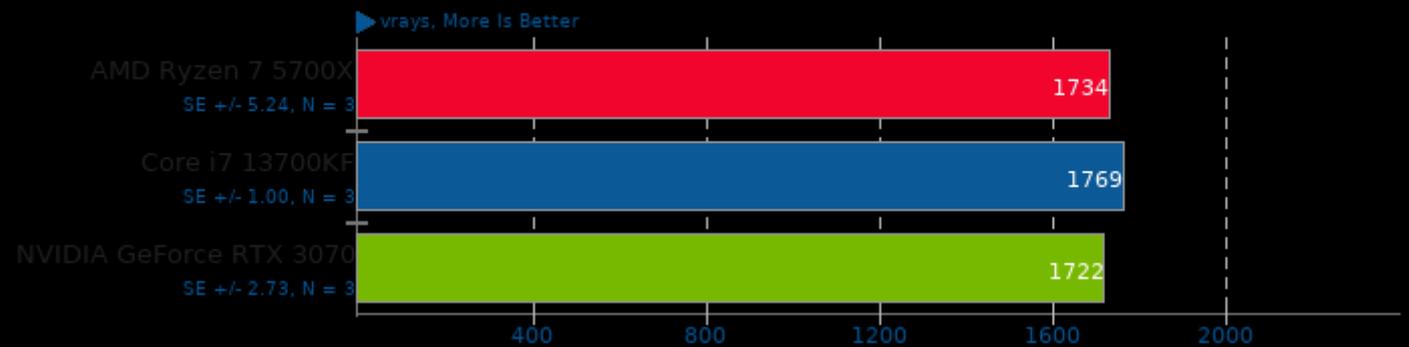
Blender 3.4

Blend File: Fishy Cat - Compute: NVIDIA OptiX



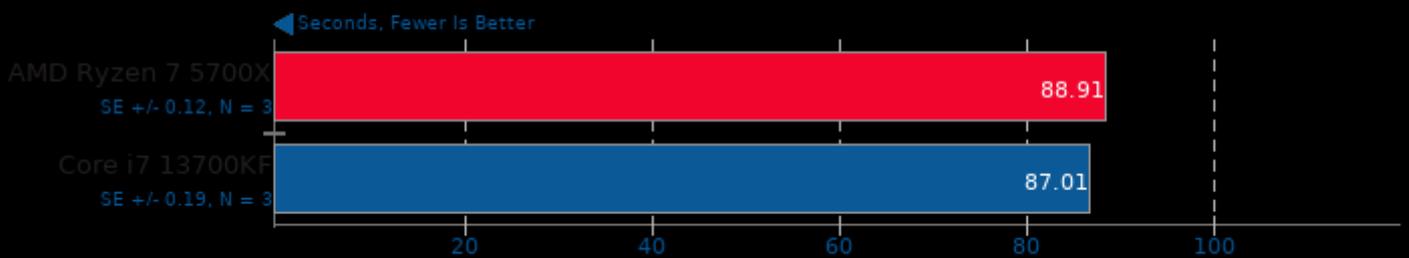
Chaos Group V-RAY 5.02

Mode: NVIDIA RTX GPU



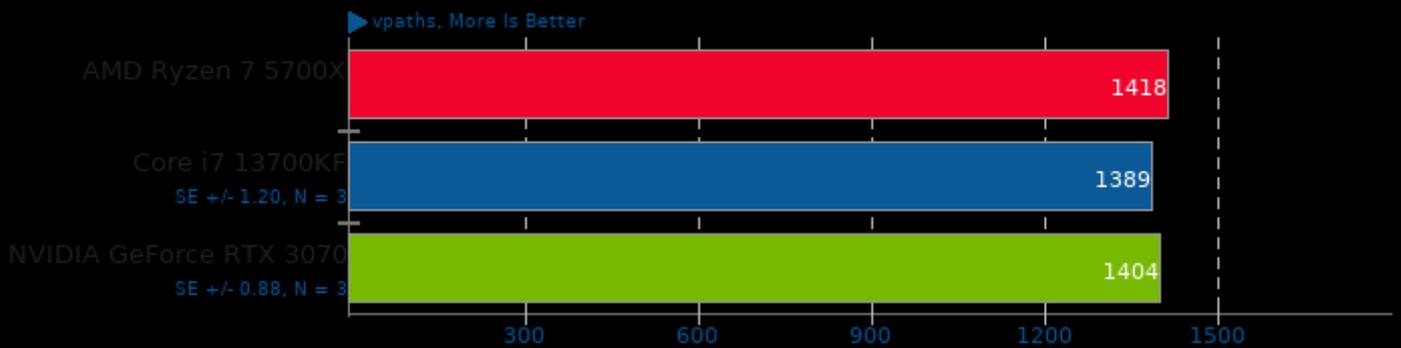
Blender 3.4

Blend File: Barbershop - Compute: NVIDIA OptiX



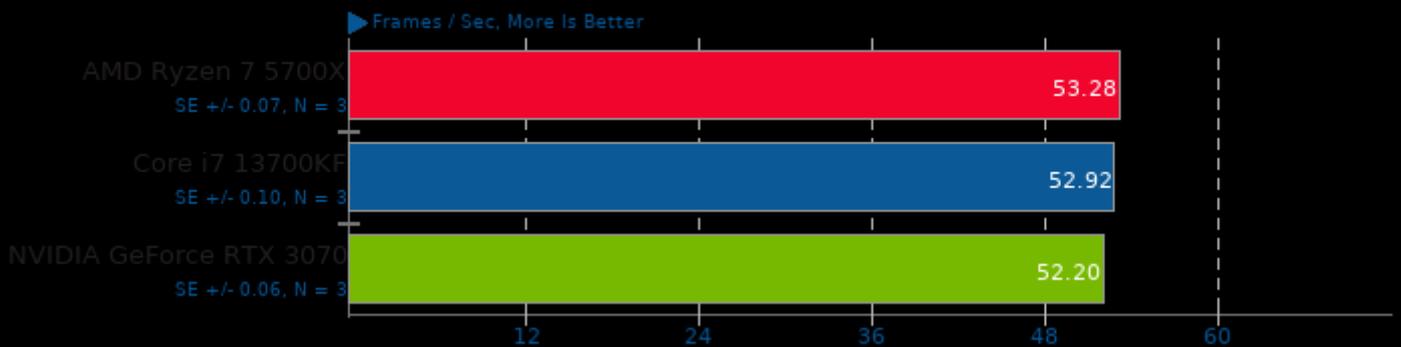
Chaos Group V-RAY 5.02

Mode: NVIDIA CUDA GPU



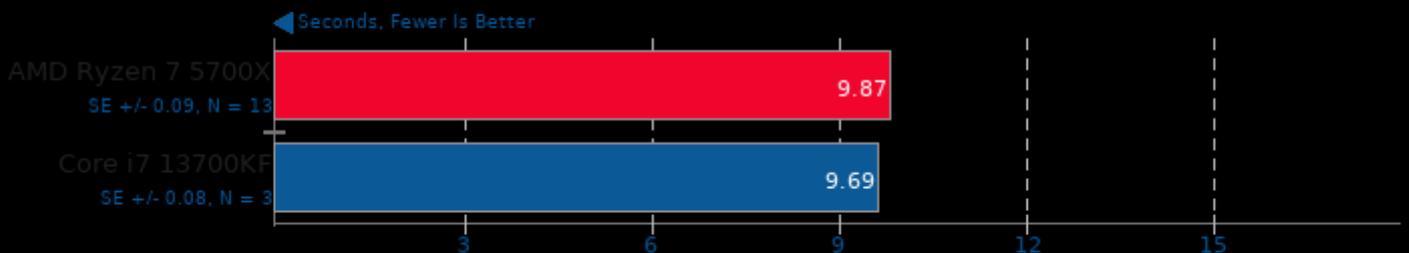
ParaView 5.10.1

Test: Many Spheres - Resolution: 1920 x 1080



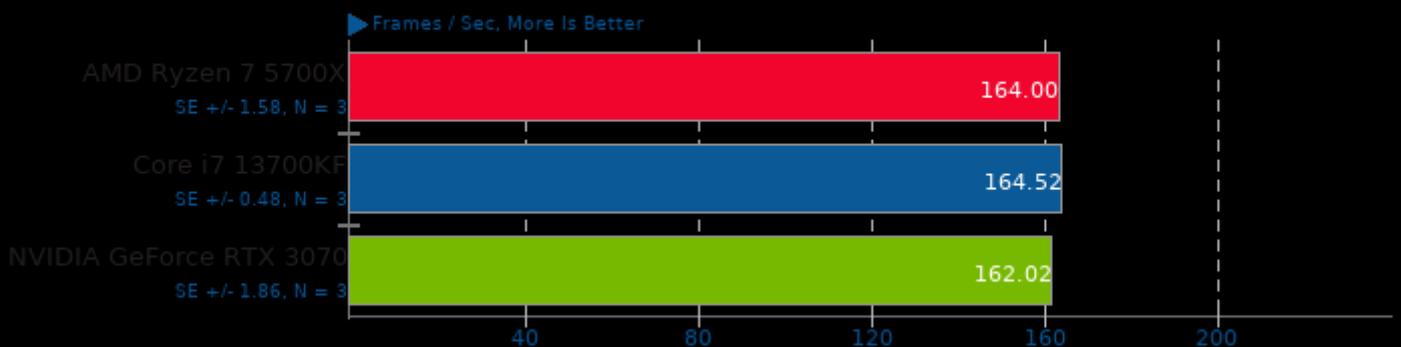
Blender 3.4

Blend File: BMW27 - Compute: NVIDIA OptiX



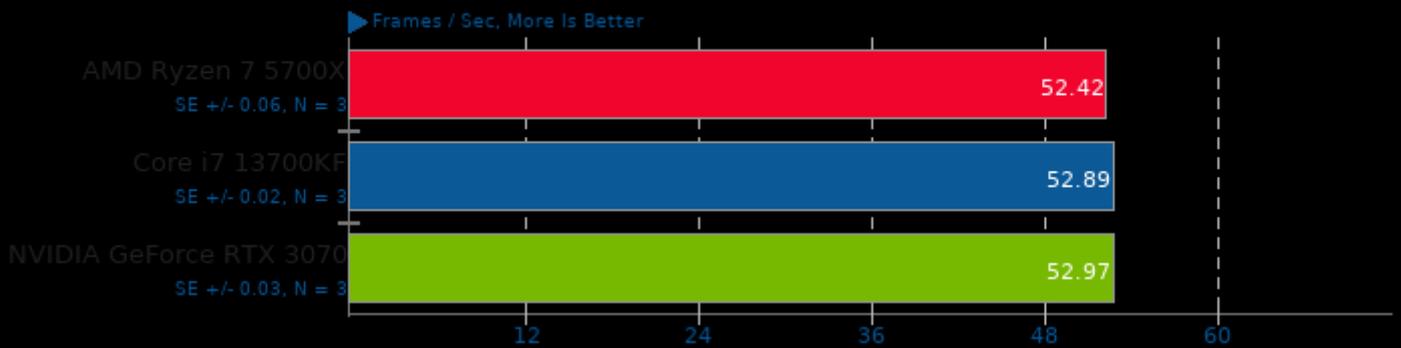
ParaView 5.10.1

Test: Wavelet Contour - Resolution: 2560 x 1440



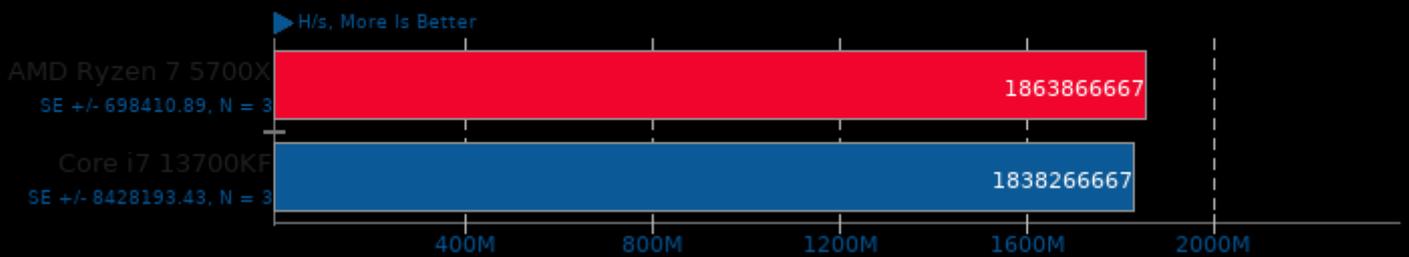
ParaView 5.10.1

Test: Many Spheres - Resolution: 2560 x 1440



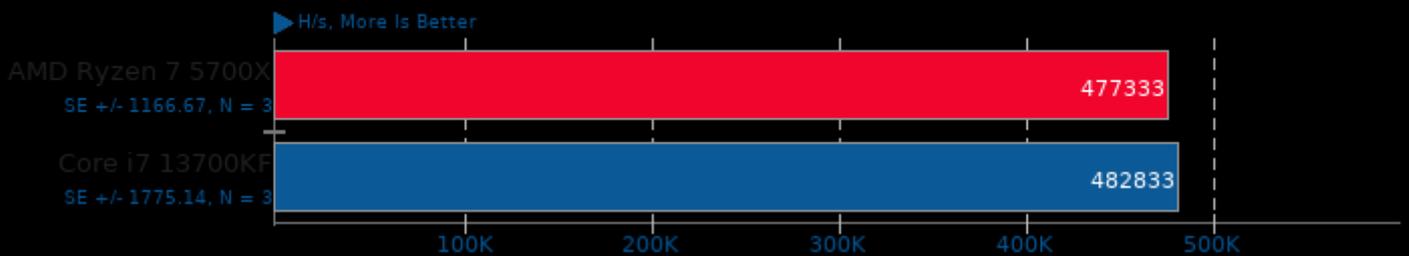
Hashcat 6.2.4

Benchmark: SHA-512



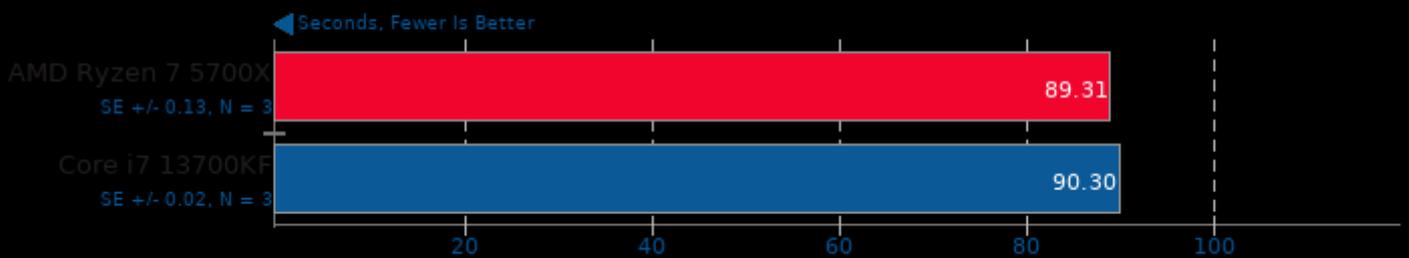
Hashcat 6.2.4

Benchmark: TrueCrypt RIPEMD160 + XTS



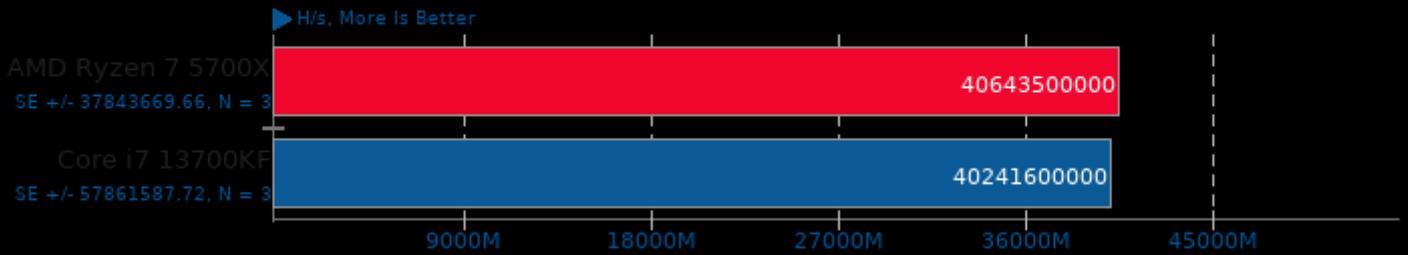
Blender 3.4

Blend File: Pabellon Barcelona - Compute: NVIDIA CUDA



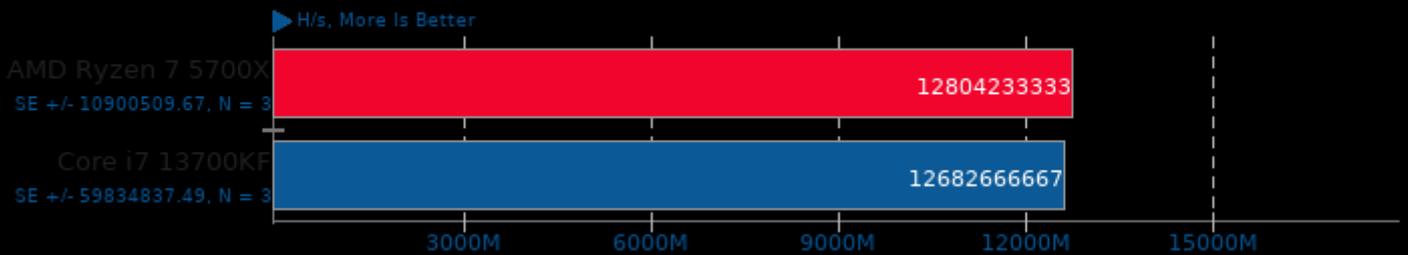
Hashcat 6.2.4

Benchmark: MD5



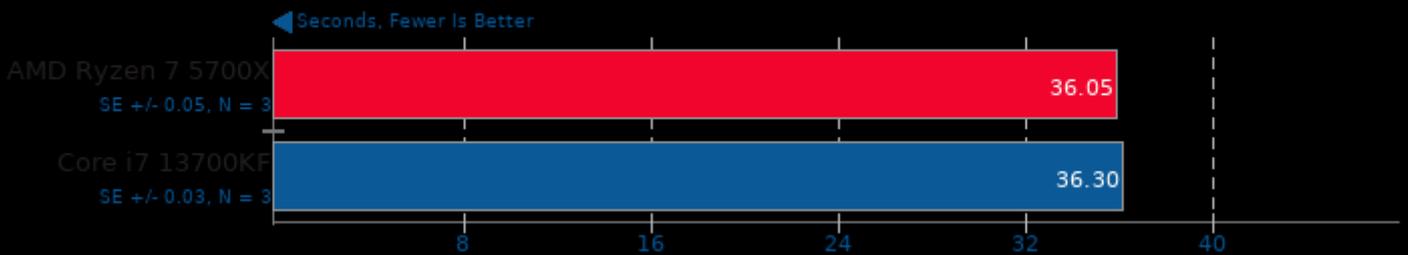
Hashcat 6.2.4

Benchmark: SHA1



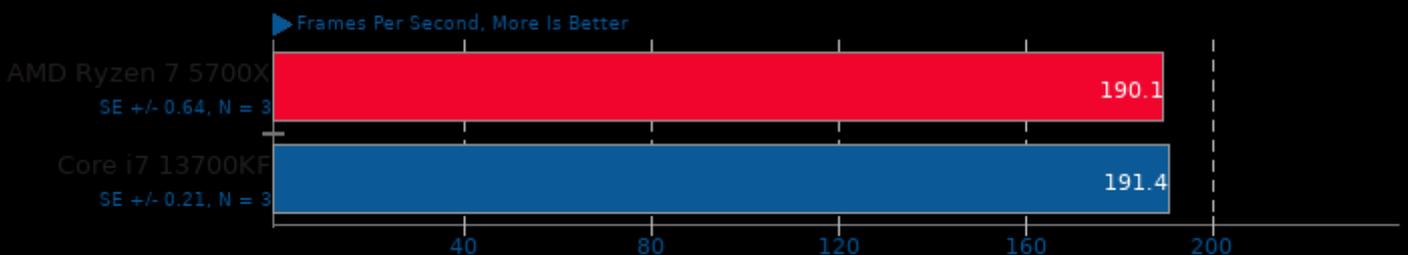
Blender 3.4

Blend File: Classroom - Compute: NVIDIA CUDA



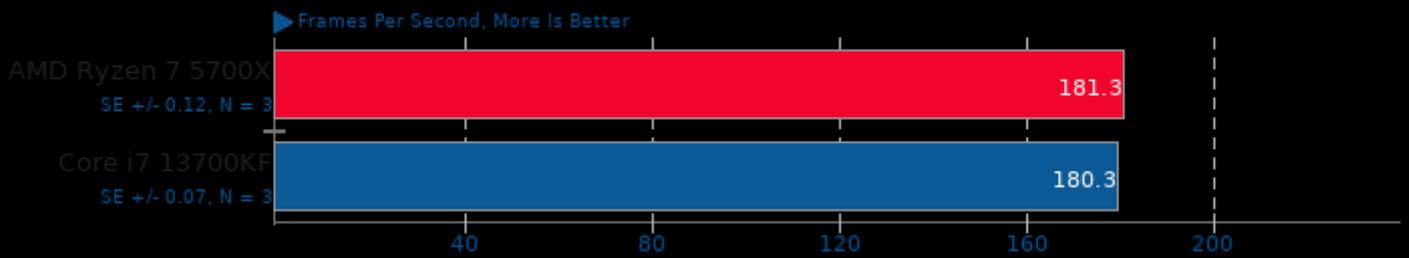
GravityMark 1.72

Resolution: 2560 x 1440 - Renderer: Vulkan



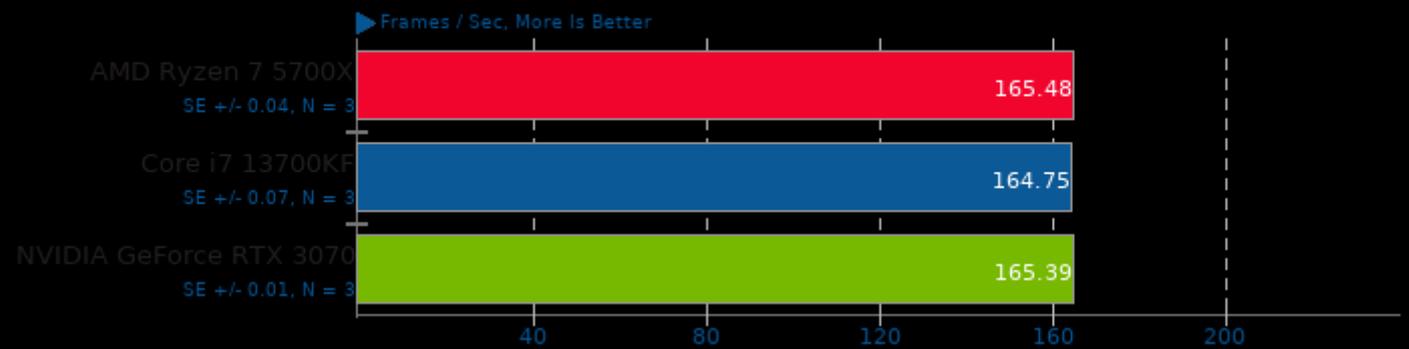
GravityMark 1.72

Resolution: 2560 x 1440 - Renderer: Windows Direct3D 12



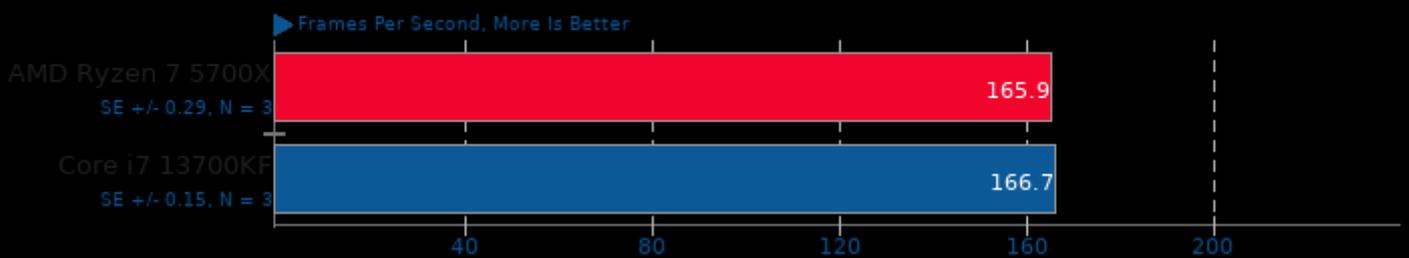
ParaView 5.10.1

Test: Wavelet Volume - Resolution: 2560 x 1440



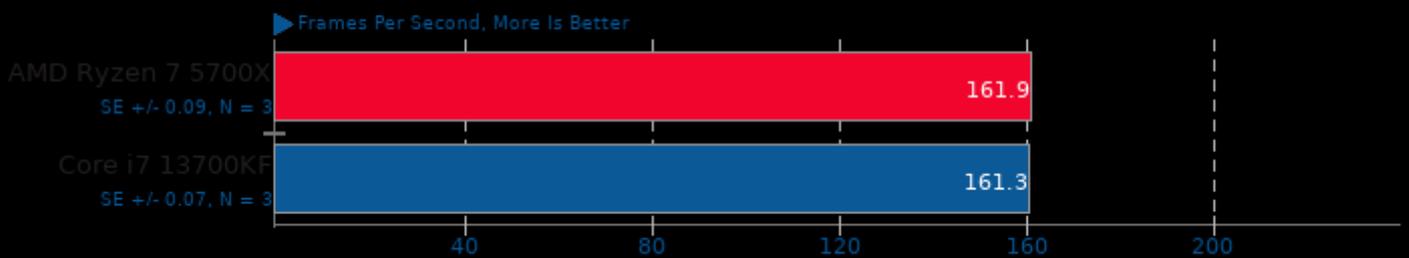
GravityMark 1.72

Resolution: 2560 x 1440 - Renderer: Vulkan Ray-Tracing



GravityMark 1.72

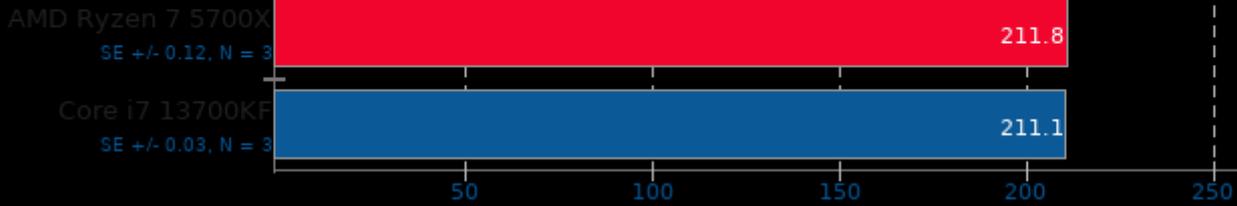
Resolution: 2560 x 1440 - Renderer: Windows Direct3D 12 Ray-Tracing



GravityMark 1.72

Resolution: 1920 x 1080 - Renderer: Windows Direct3D 12

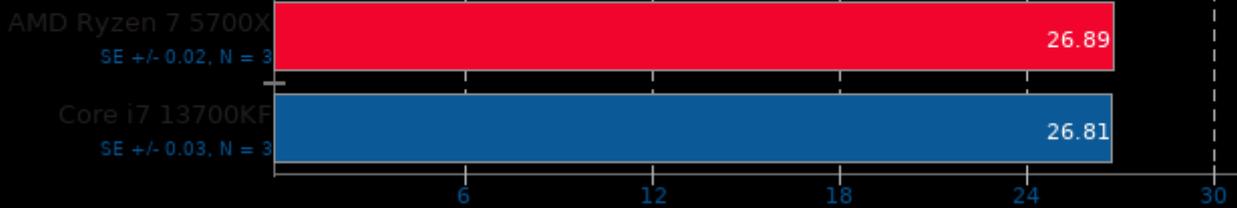
▶ Frames Per Second, More Is Better



Blender 3.4

Blend File: Pabellon Barcelona - Compute: NVIDIA OptiX

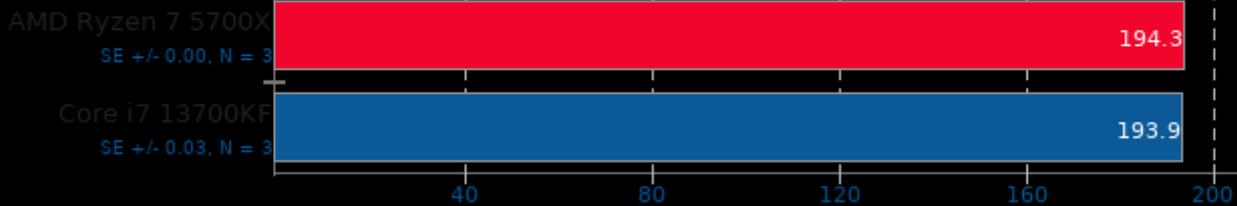
◀ Seconds, Fewer Is Better



GravityMark 1.72

Resolution: 1920 x 1080 - Renderer: Windows Direct3D 12 Ray-Tracing

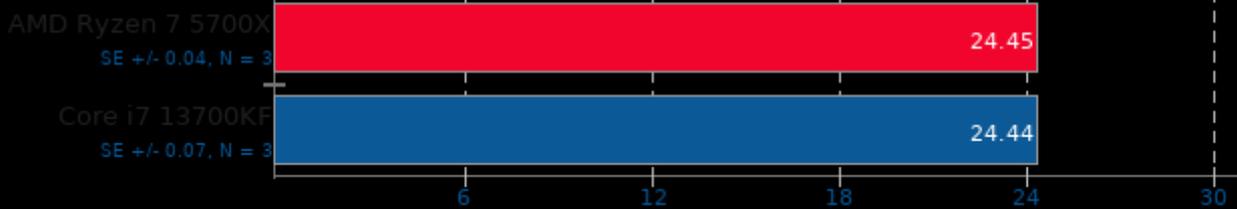
▶ Frames Per Second, More Is Better



Blender 3.4

Blend File: Classroom - Compute: NVIDIA OptiX

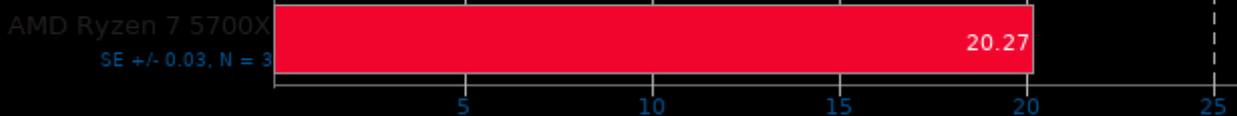
◀ Seconds, Fewer Is Better



Y-Cruncher 0.7.10.9513

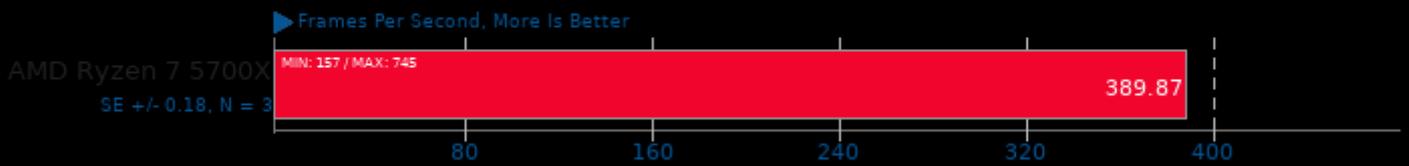
Pi Digits To Calculate: 500M

◀ Seconds, Fewer Is Better



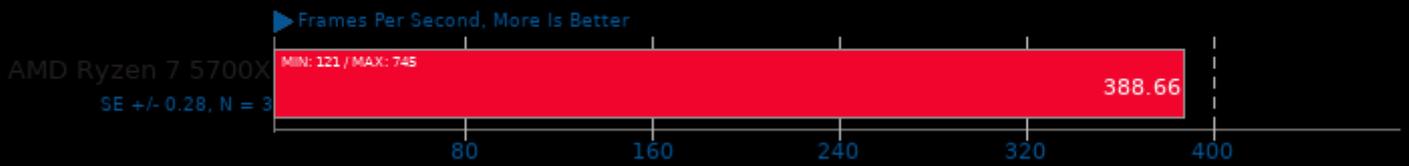
Xonotic 0.8.5

Resolution: 2560 x 1440 - Effects Quality: Ultra



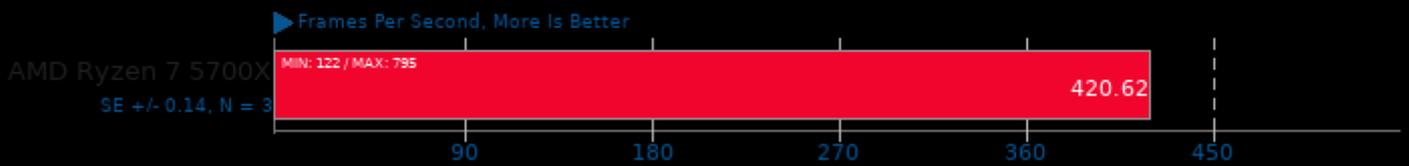
Xonotic 0.8.5

Resolution: 1920 x 1080 - Effects Quality: Ultra



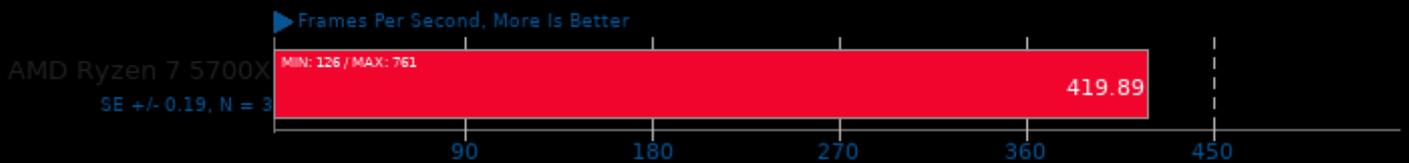
Xonotic 0.8.5

Resolution: 2560 x 1440 - Effects Quality: High



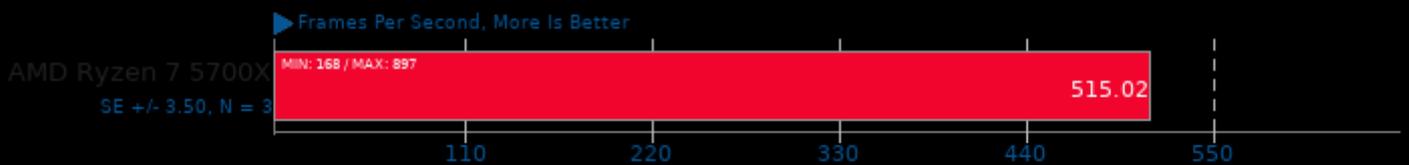
Xonotic 0.8.5

Resolution: 1920 x 1080 - Effects Quality: High



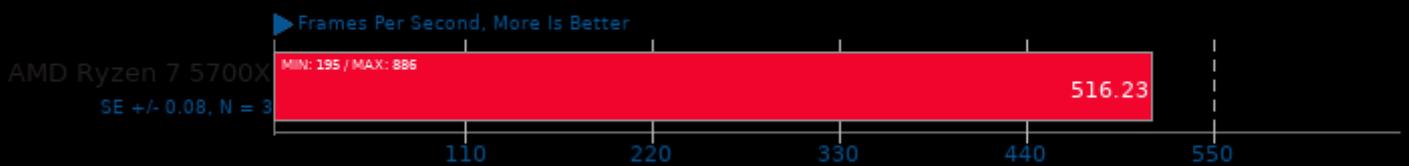
Xonotic 0.8.5

Resolution: 2560 x 1440 - Effects Quality: Low



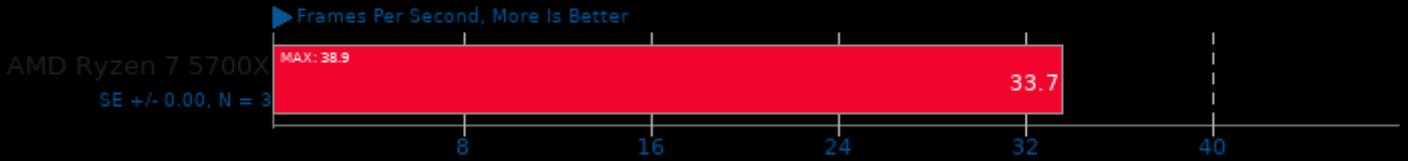
Xonotic 0.8.5

Resolution: 1920 x 1080 - Effects Quality: Low



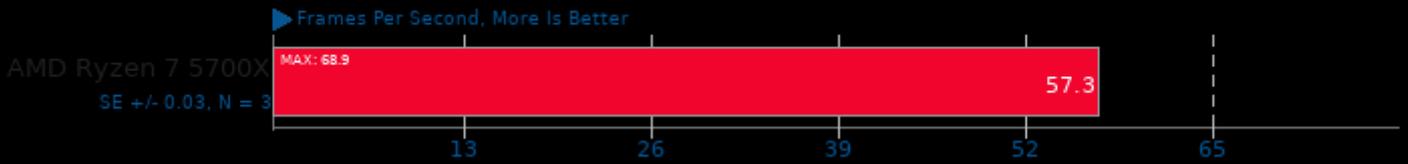
Unigine Superposition 1.0

Resolution: 2560 x 1440 - Mode: Fullscreen - Quality: Ultra - Renderer: OpenGL



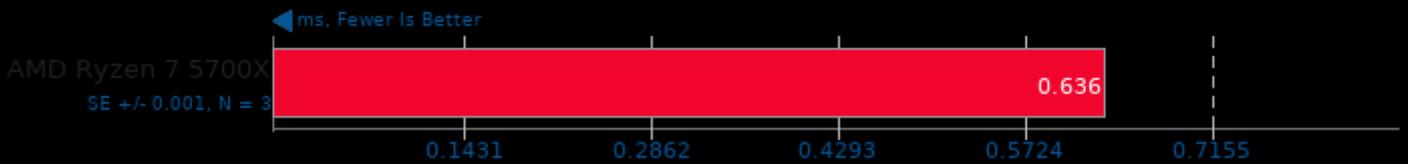
Unigine Superposition 1.0

Resolution: 1920 x 1080 - Mode: Fullscreen - Quality: Ultra - Renderer: OpenGL



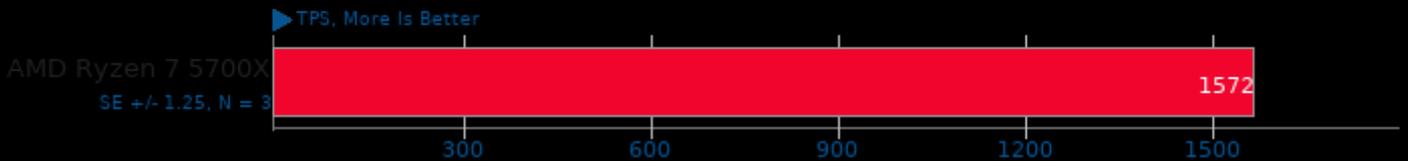
PostgreSQL 15

Scaling Factor: 1000 - Clients: 1 - Mode: Read Write - Average Latency



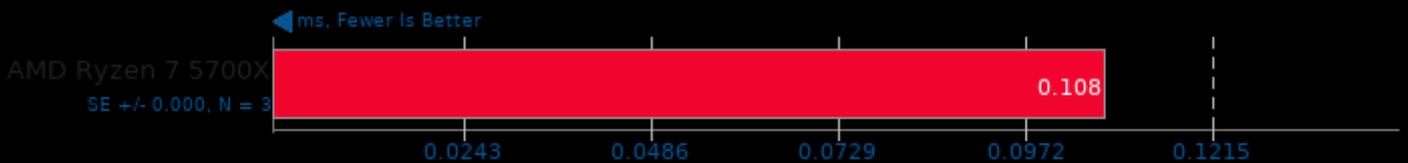
PostgreSQL 15

Scaling Factor: 1000 - Clients: 1 - Mode: Read Write



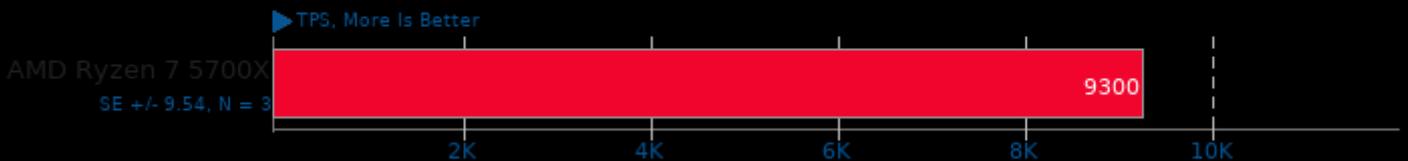
PostgreSQL 15

Scaling Factor: 1000 - Clients: 1 - Mode: Read Only - Average Latency



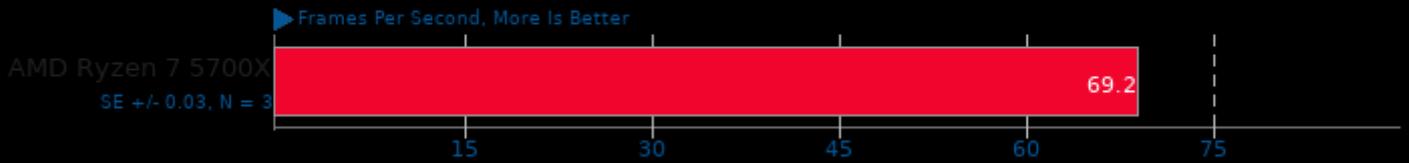
PostgreSQL 15

Scaling Factor: 1000 - Clients: 1 - Mode: Read Only



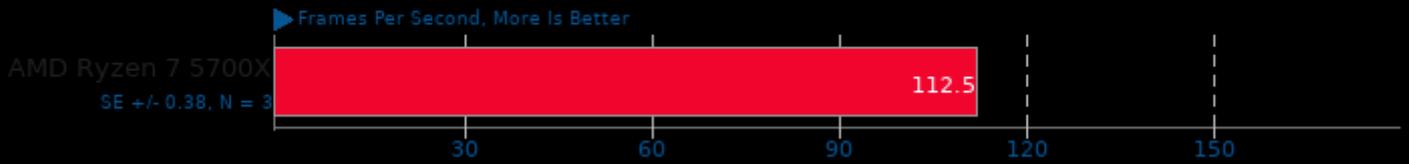
yquake2 8.10

Renderer: Software CPU Color Light - AF: Off - MSAA: Off - Resolution: 2560 x 1440



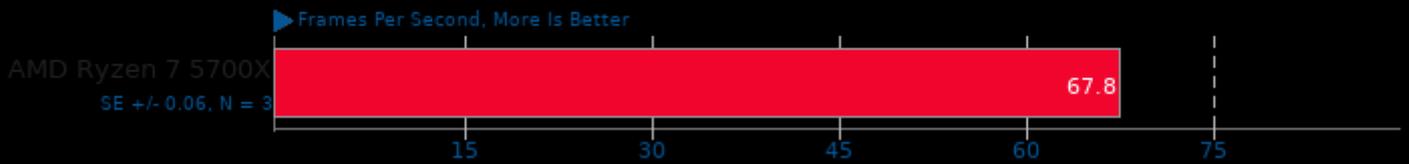
yquake2 8.10

Renderer: Software CPU Color Light - AF: Off - MSAA: Off - Resolution: 1920 x 1080



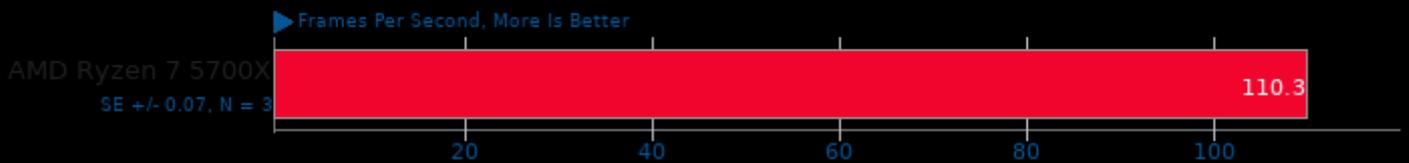
yquake2 8.10

Renderer: Software CPU Color Light - AF: On - MSAA: Off - Resolution: 2560 x 1440



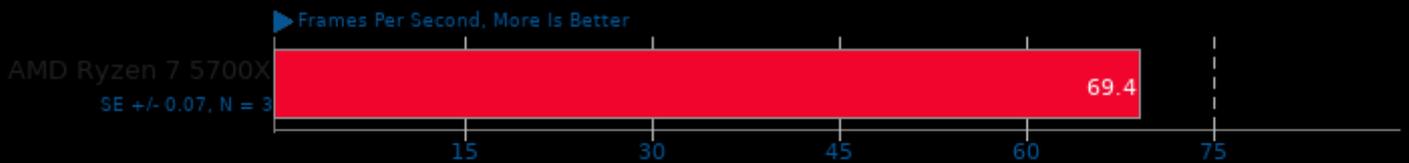
yquake2 8.10

Renderer: Software CPU Color Light - AF: On - MSAA: Off - Resolution: 1920 x 1080



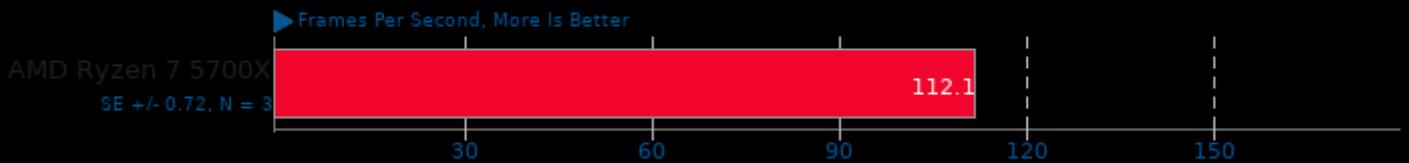
yquake2 8.10

Renderer: Software CPU Color Light - AF: Off - MSAA: On - Resolution: 2560 x 1440



yquake2 8.10

Renderer: Software CPU Color Light - AF: Off - MSAA: On - Resolution: 1920 x 1080



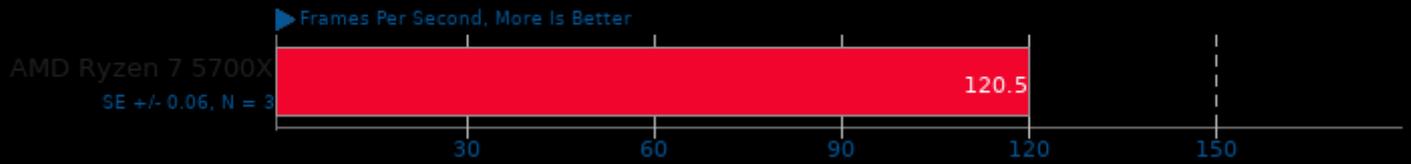
yquake2 8.10

Renderer: Software CPU - AF: Off - MSAA: Off - Resolution: 2560 x 1440



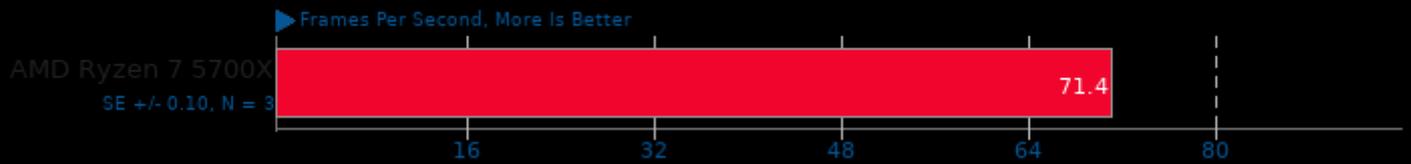
yquake2 8.10

Renderer: Software CPU - AF: Off - MSAA: Off - Resolution: 1920 x 1080



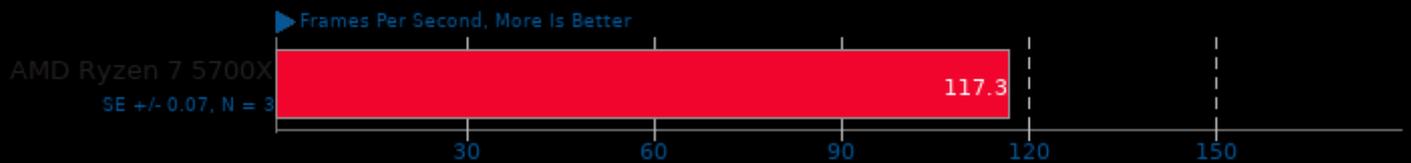
yquake2 8.10

Renderer: Software CPU - AF: On - MSAA: Off - Resolution: 2560 x 1440



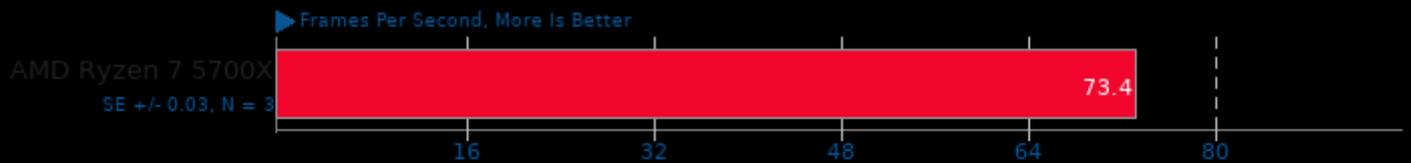
yquake2 8.10

Renderer: Software CPU - AF: On - MSAA: Off - Resolution: 1920 x 1080



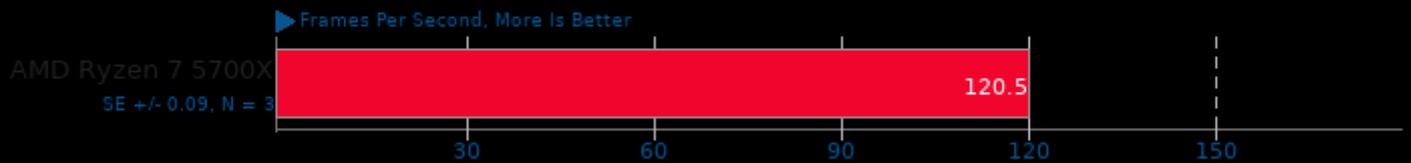
yquake2 8.10

Renderer: Software CPU - AF: Off - MSAA: On - Resolution: 2560 x 1440



yquake2 8.10

Renderer: Software CPU - AF: Off - MSAA: On - Resolution: 1920 x 1080



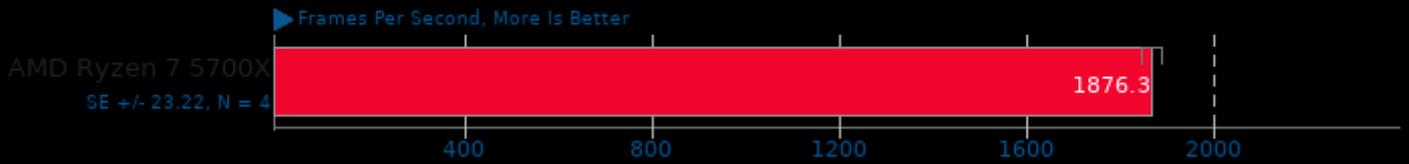
yquake2 8.10

Renderer: Vulkan - AF: Off - MSAA: Off - Resolution: 2560 x 1440



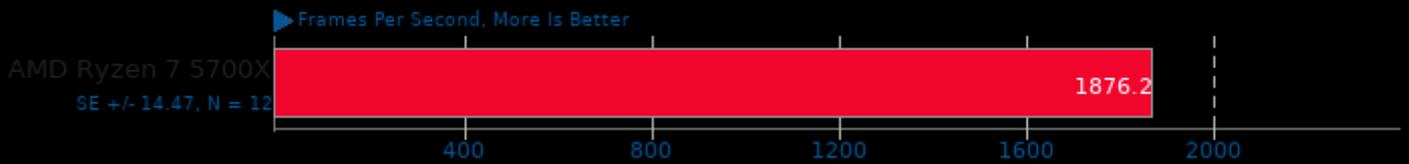
yquake2 8.10

Renderer: Vulkan - AF: Off - MSAA: Off - Resolution: 1920 x 1080



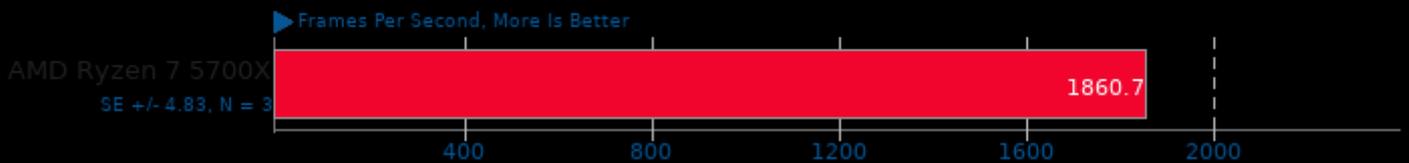
yquake2 8.10

Renderer: Vulkan - AF: On - MSAA: Off - Resolution: 2560 x 1440



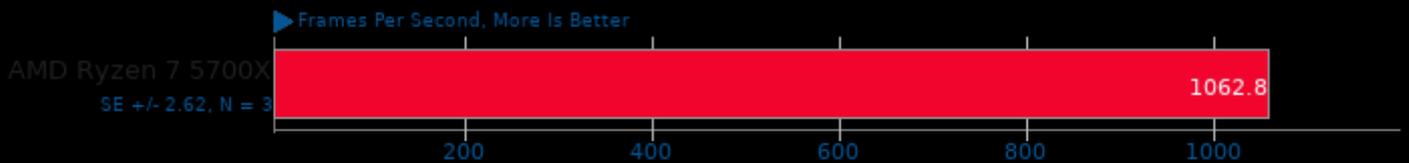
yquake2 8.10

Renderer: Vulkan - AF: On - MSAA: Off - Resolution: 1920 x 1080



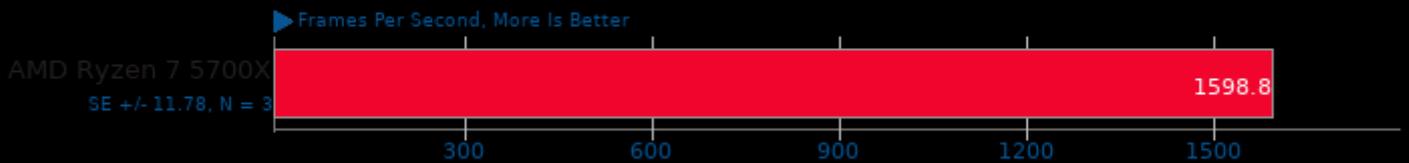
yquake2 8.10

Renderer: Vulkan - AF: Off - MSAA: On - Resolution: 2560 x 1440



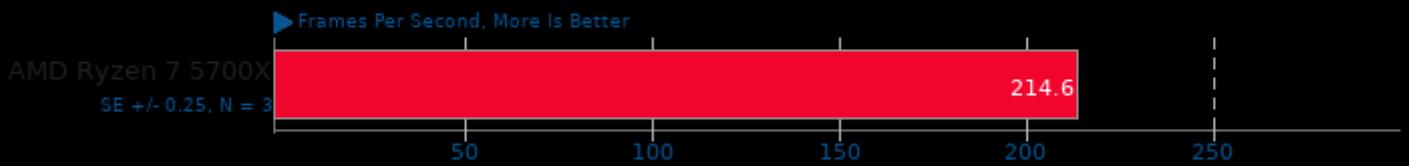
yquake2 8.10

Renderer: Vulkan - AF: Off - MSAA: On - Resolution: 1920 x 1080



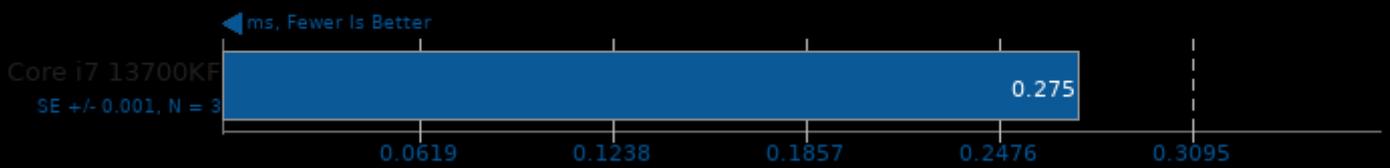
GravityMark 1.72

Resolution: 1920 x 1080 - Renderer: OpenGL



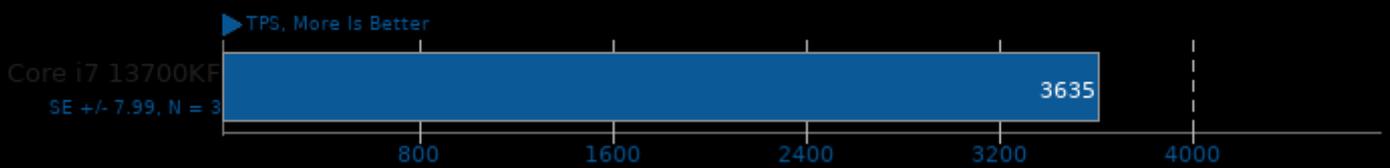
PostgreSQL 15

Scaling Factor: 1000 - Clients: 1 - Mode: Read Write - Average Latency



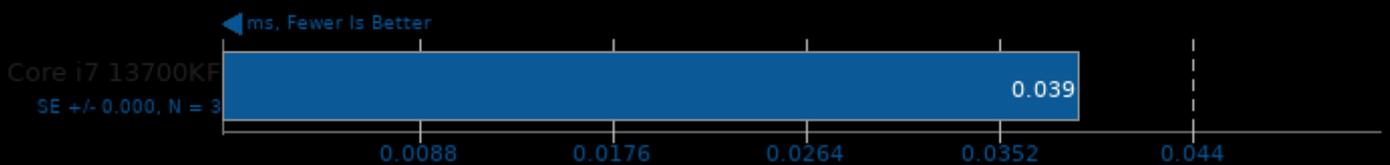
PostgreSQL 15

Scaling Factor: 1000 - Clients: 1 - Mode: Read Write



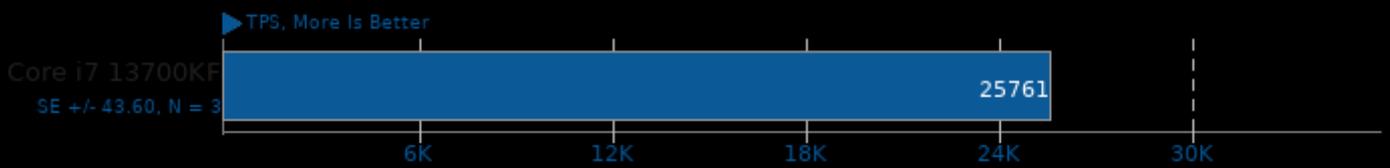
PostgreSQL 15

Scaling Factor: 1000 - Clients: 1 - Mode: Read Only - Average Latency



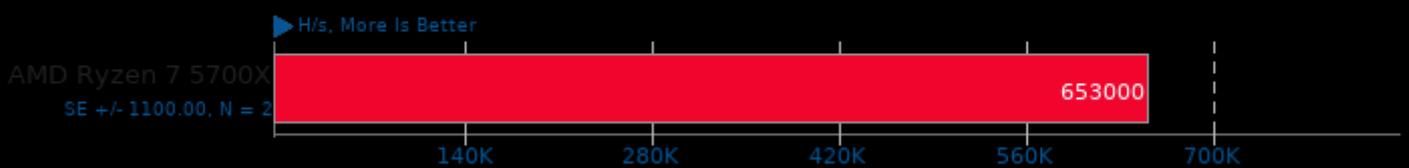
PostgreSQL 15

Scaling Factor: 1000 - Clients: 1 - Mode: Read Only



Hashcat 6.2.4

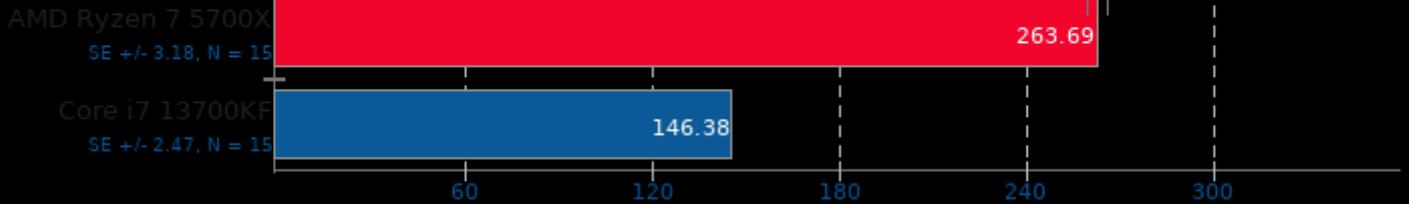
Benchmark: 7-Zip



OSBench

Test: Create Files

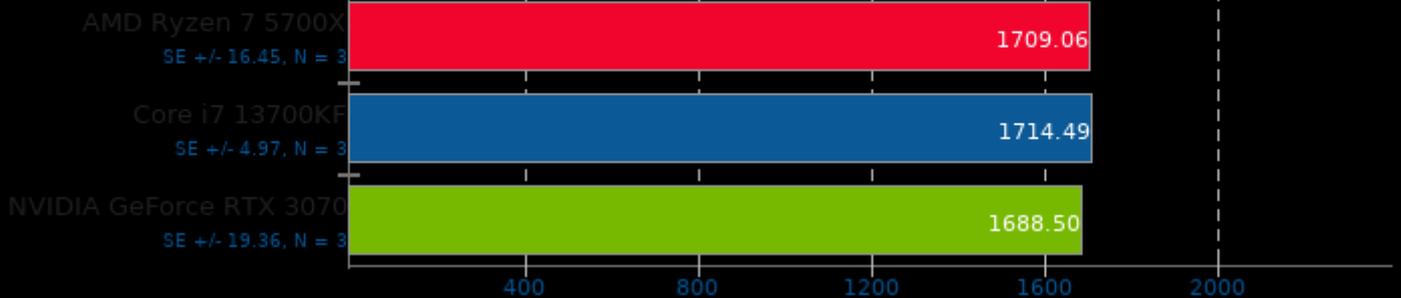
µs Per Event, Fewer Is Better



ParaView 5.10.1

Test: Wavelet Contour - Resolution: 2560 x 1440

MiPolys / Sec, More Is Better



ParaView 5.10.1

Test: Wavelet Contour - Resolution: 1920 x 1080

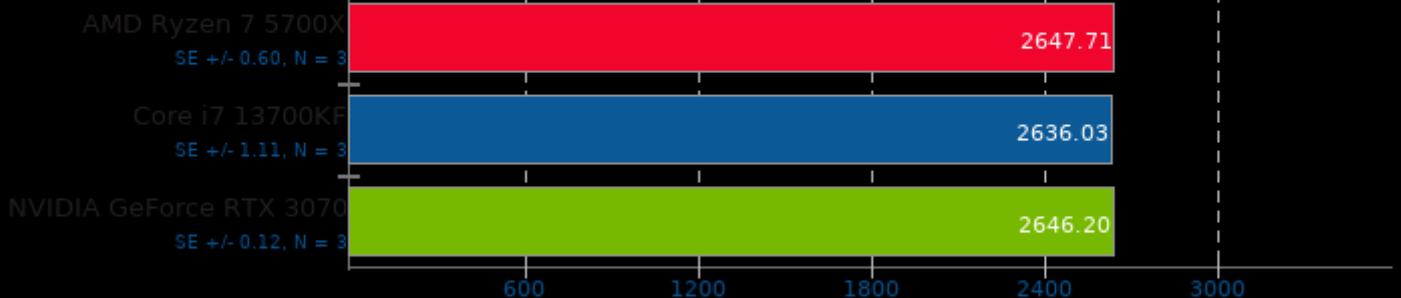
MiPolys / Sec, More Is Better



ParaView 5.10.1

Test: Wavelet Volume - Resolution: 2560 x 1440

MiVoxels / Sec, More Is Better



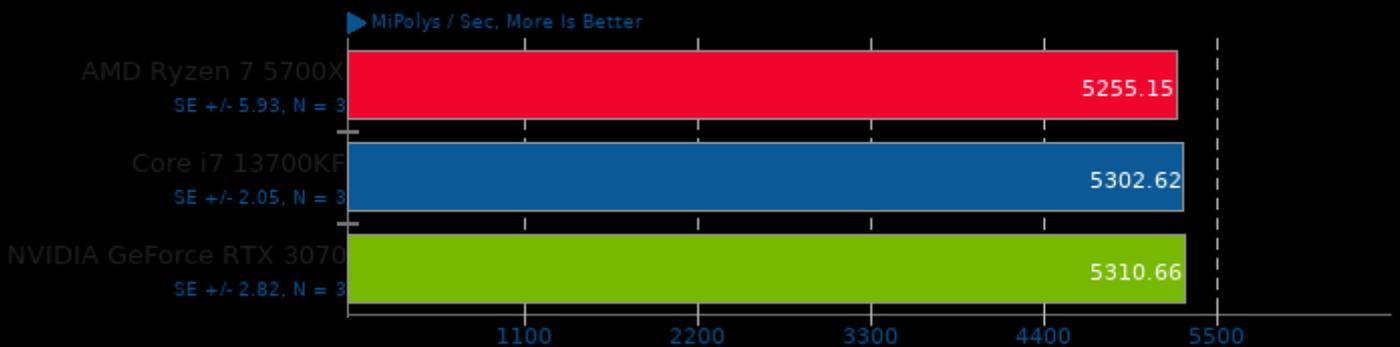
ParaView 5.10.1

Test: Wavelet Volume - Resolution: 1920 x 1080



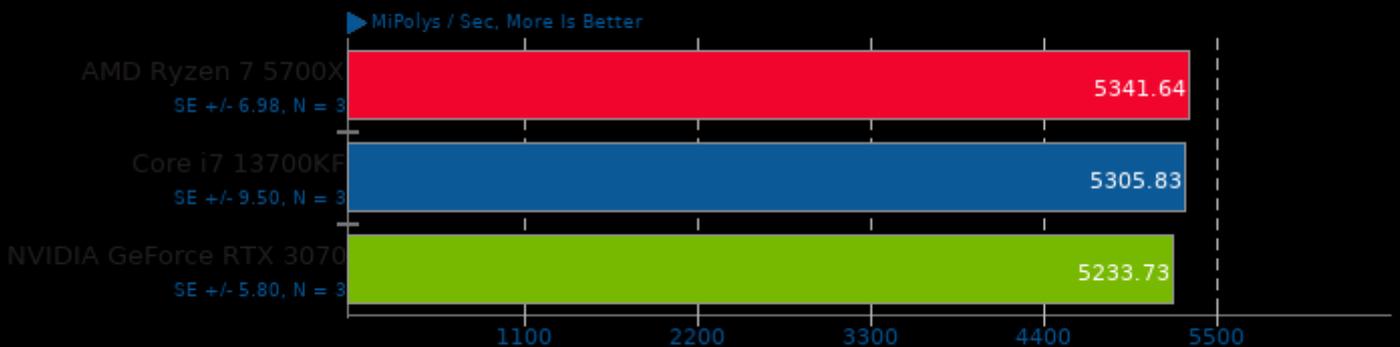
ParaView 5.10.1

Test: Many Spheres - Resolution: 2560 x 1440



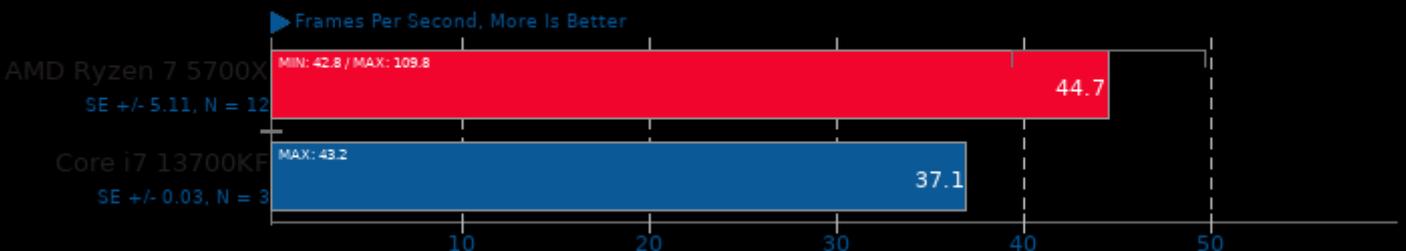
ParaView 5.10.1

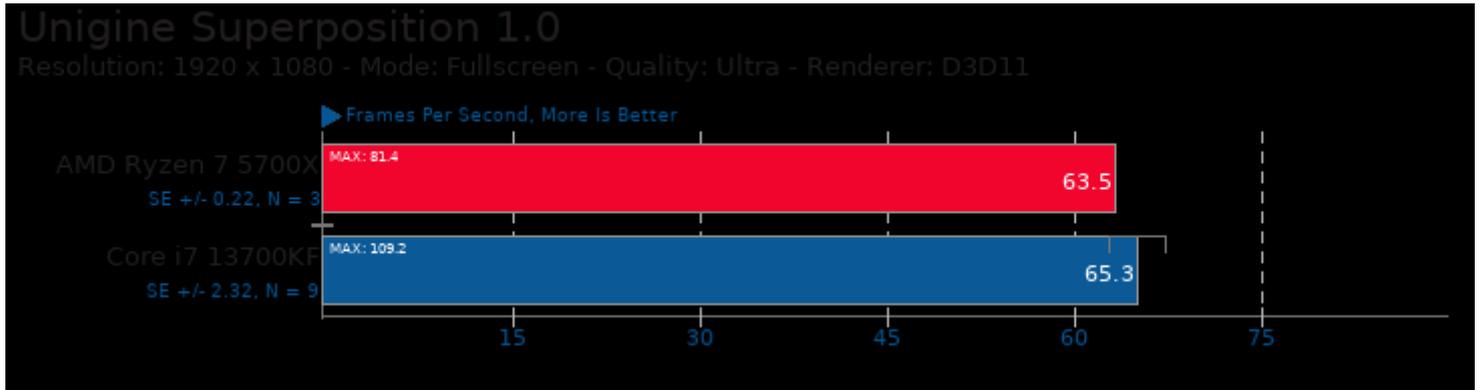
Test: Many Spheres - Resolution: 1920 x 1080



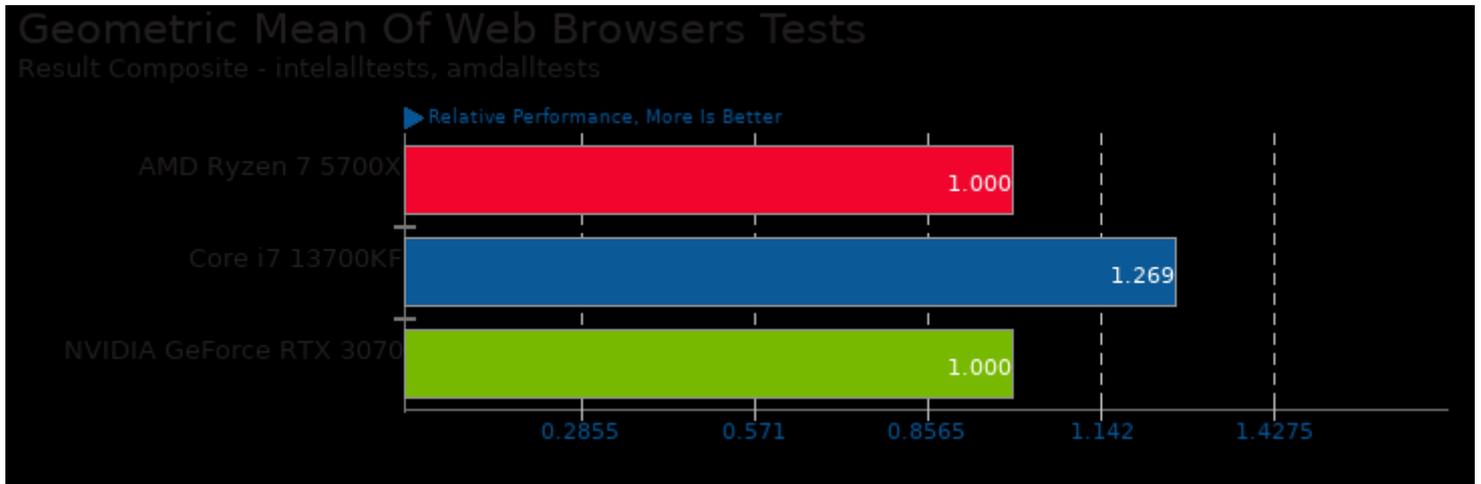
Unigine Superposition 1.0

Resolution: 2560 x 1440 - Mode: Fullscreen - Quality: Ultra - Renderer: D3D11

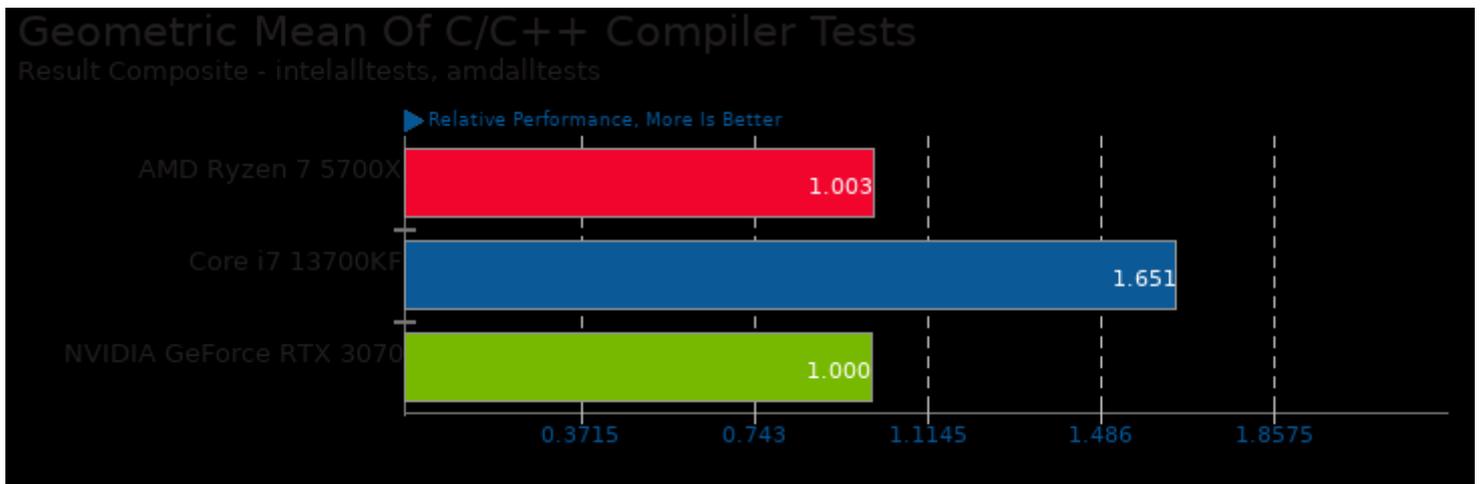




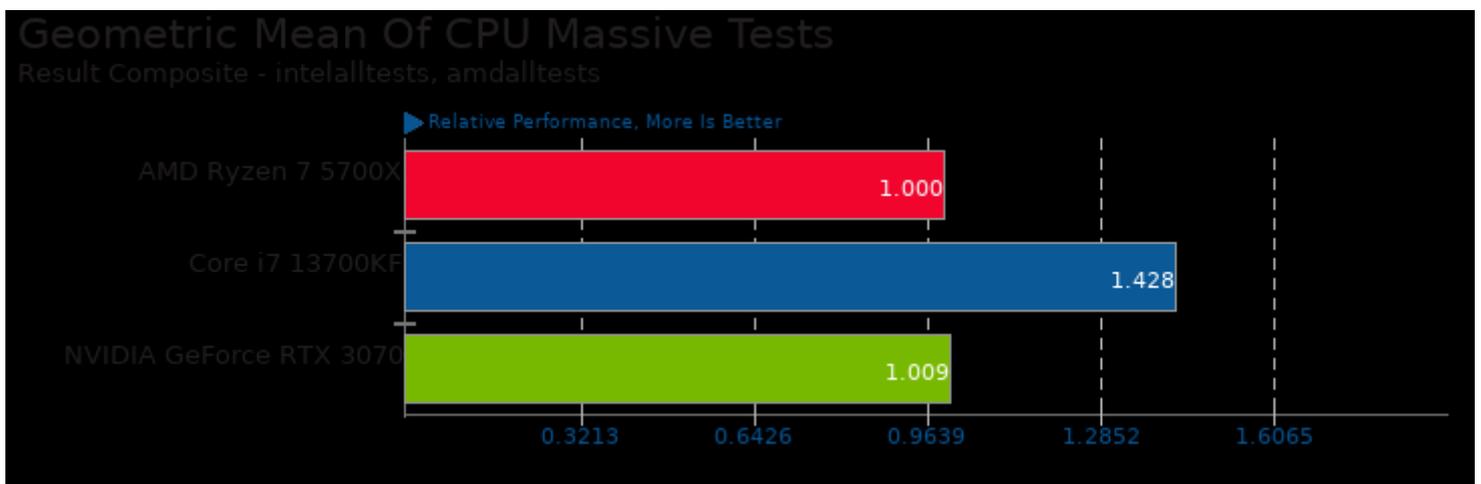
These geometric means are based upon test groupings / test suites for this result file.



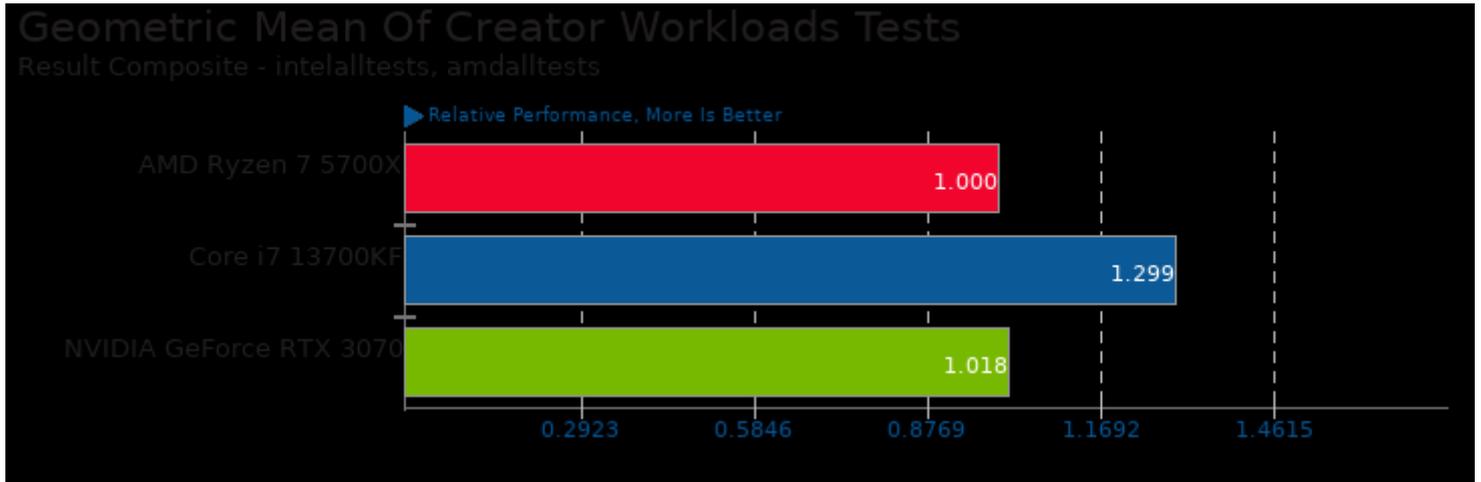
Geometric mean based upon tests: system/selenium



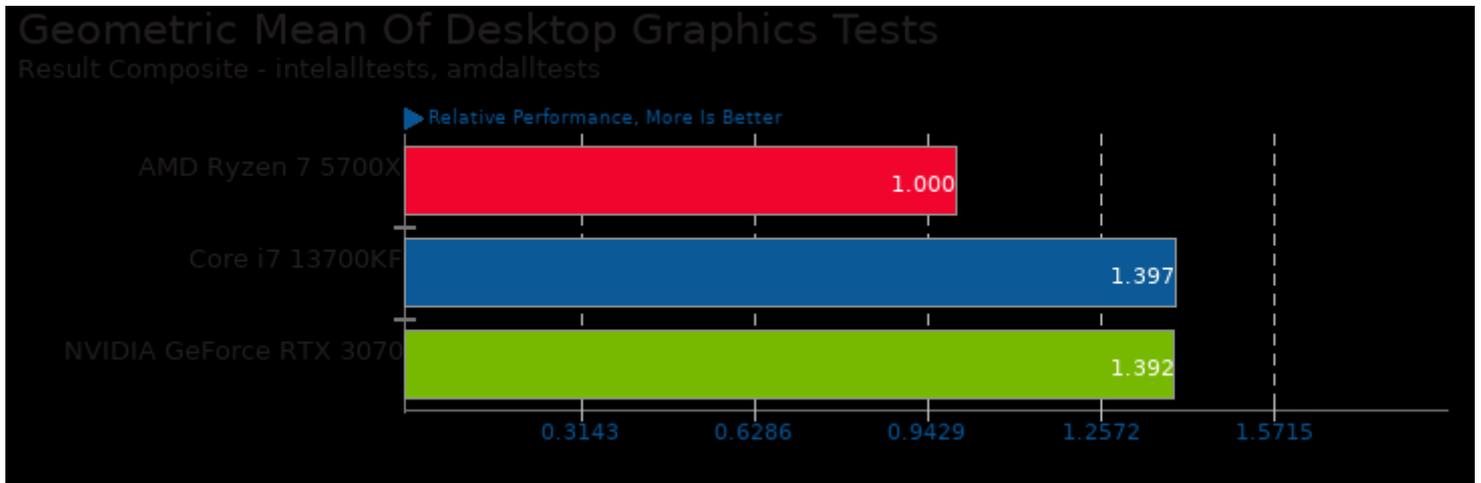
Geometric mean based upon tests: pts/compress-7zip, pts/pgbench, pts/john-the-ripper, pts/dav1d, pts/x264, pts/aircrack-ng and pts/svt-av1



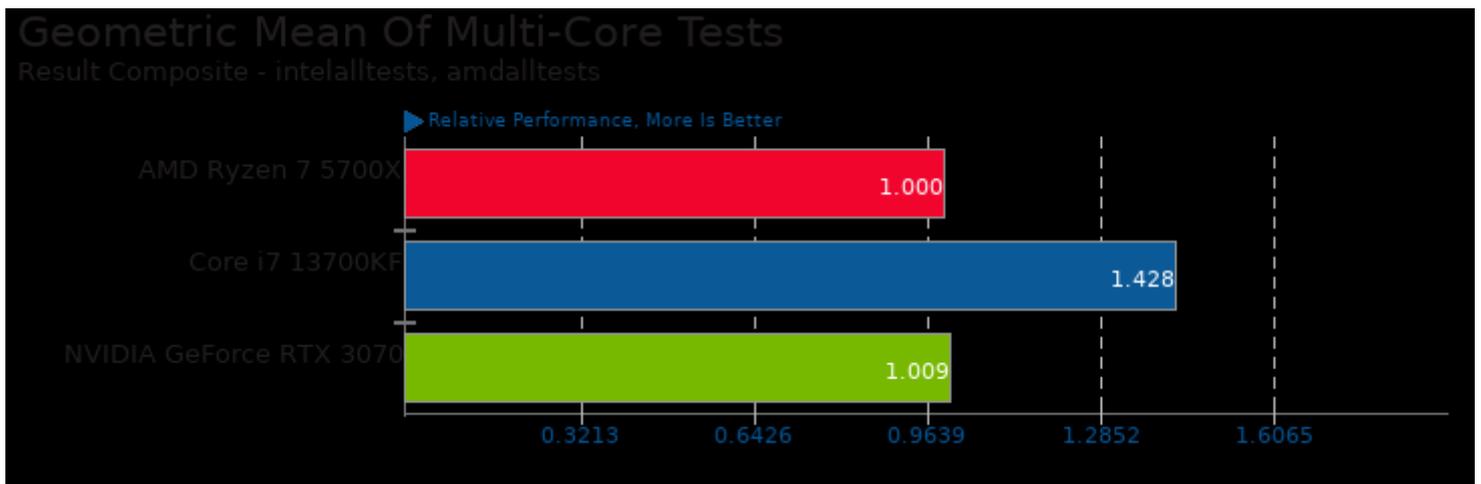
Geometric mean based upon tests: pts/compress-7zip, pts/dav1d, pts/svt-av1, pts/x264, pts/john-the-ripper, pts/pgbench, pts/v-ray, pts/blender, system/tesseract-ocr and pts/cpuminer-opt



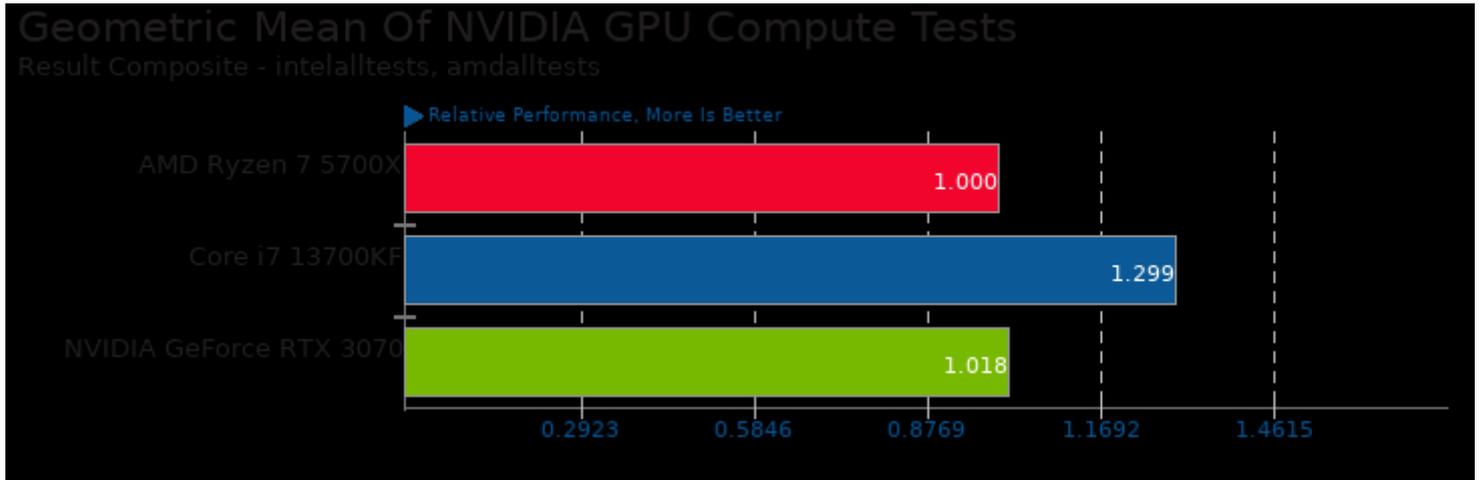
Geometric mean based upon tests: pts/blender, pts/v-ray, system/tesseract-ocr, pts/x264, pts/dav1d, pts/svt-av1 and pts/ascenc



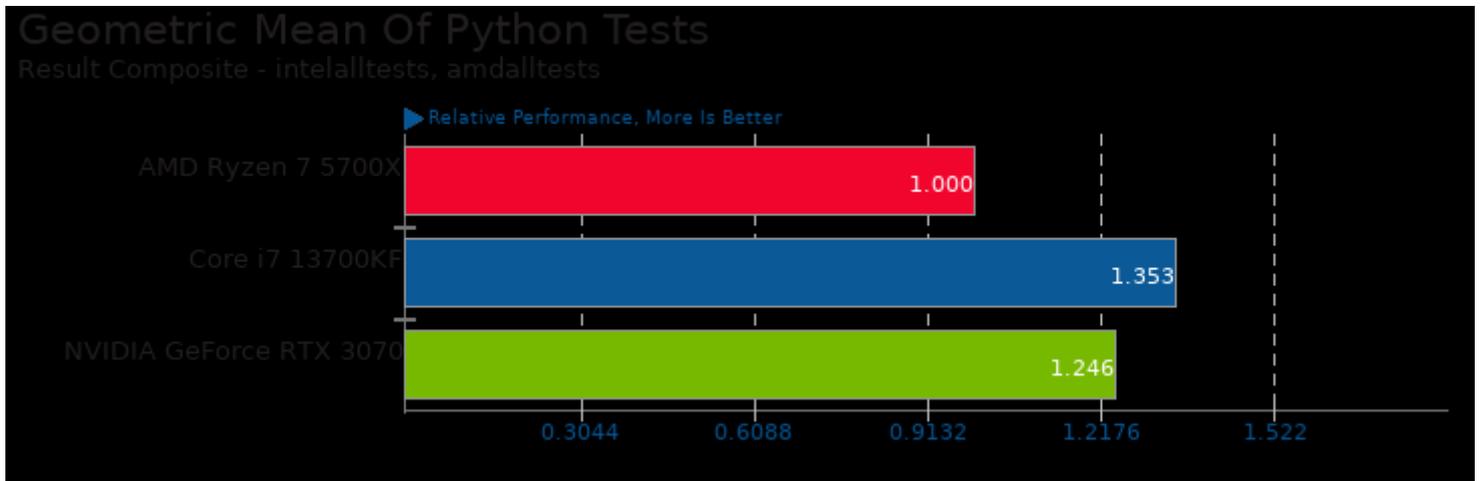
Geometric mean based upon tests: pts/xonotic and pts/paraview



Geometric mean based upon tests: pts/blender, pts/cpuminer-opt, pts/aircrack-ng, pts/x264, pts/dav1d, pts/svt-av1, pts/john-the-ripper, pts/compress-7zip, pts/v-ray and pts/pgbench



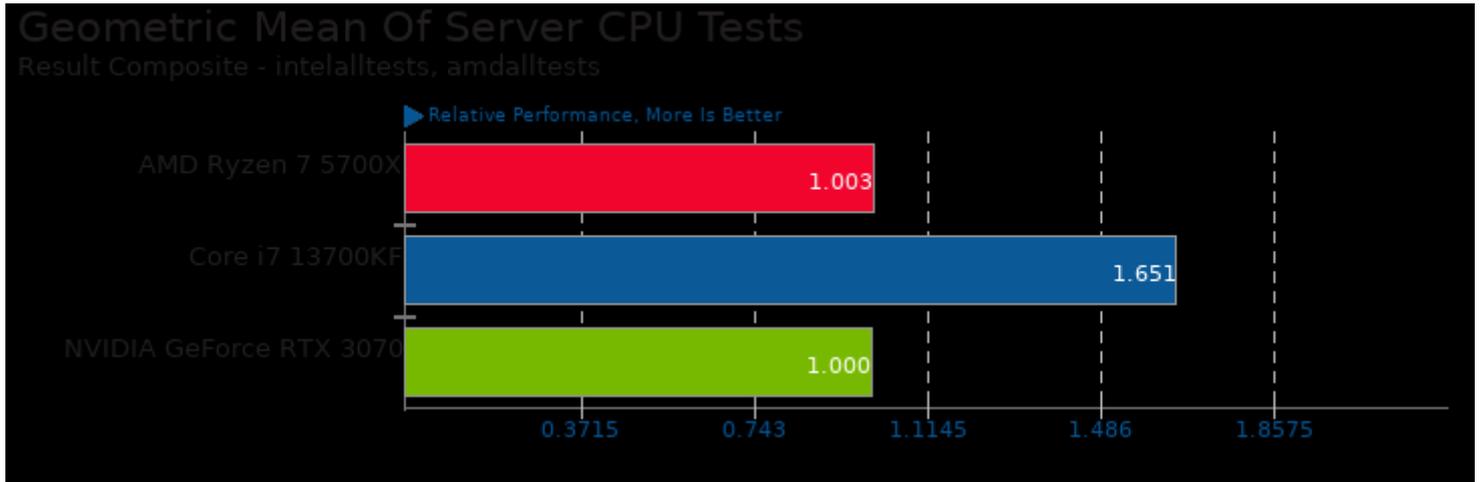
Geometric mean based upon tests: pts/hashcat, pts/v-ray and pts/blender



Geometric mean based upon tests: pts/paraview, pts/pyperformance and system/selenium



Geometric mean based upon tests: pts/blender and pts/v-ray



Geometric mean based upon tests: pts/john-the-ripper, pts/svt-av1, pts/x264, pts/dav1d, pts/compress-7zip, pts/blender, system/tesseract-ocr and pts/cpuminer-opt



Geometric mean based upon tests: pts/blender, pts/paraview and pts/git

This file was automatically generated via the Phoronix Test Suite benchmarking software on Friday, 29 March 2024 10:13.