



rocket-lake-windows

Intel Core i9-11900K testing with a ASUS ROG MAXIMUS XIII HERO (0703 BIOS) and Intel UHD 750 1GB on Microsoft Windows 10 Pro Build 19042 via the Phoronix Test Suite.

Test Systems:

Windows 10

Processor: Intel Core i9-11900K @ 3.50GHz (8 Cores / 16 Threads), Motherboard: ASUS ROG MAXIMUS XIII HERO (0703 BIOS), Memory: 2 x 16384 MB 3200MHz Corsair CMK32GX4M2Z3600C18, Disk: 932GB WD_BLACK SN850 1TB + 15GB Corsair Voyager 3.0 USB, Graphics: Microsoft Basic Display, Network: Bluetooth Device (Personal Area)

OS: Microsoft Windows 10 Pro Build 19042, Kernel: 10.0 (x86_64), Display Driver: 10.0.19041.868, File-System: NTFS, Screen Resolution: 3840x2160

Java Notes: operable program or batch file.

Python Notes: Python 3.7.1

Security Notes: __user pointer sanitization: Disabled + IBPB: Always + IBRS: Enabled + STIBP: Enabled

Win 10

Processor: Intel Core i9-11900K @ 3.50GHz (8 Cores / 16 Threads), Motherboard: ASUS ROG MAXIMUS XIII HERO (0703 BIOS), Memory: 2 x 16384 MB 3200MHz Corsair CMK32GX4M2Z3600C18, Disk: 932GB WD_BLACK SN850 1TB + 15GB Corsair Voyager 3.0 USB, Graphics: Microsoft Basic Display, Network: Bluetooth Device (Personal Area)

OS: Microsoft Windows 10 Pro Build 19042, Kernel: 10.0 (x86_64), Display Driver: 10.0.19041.868, Compiler: GCC 8.3.0, File-System: NTFS, Screen Resolution: 3840x2160

Python Notes: Python 3.7.1

Security Notes: __user pointer sanitization: Disabled + IBPB: Always + IBRS: Enabled + STIBP: Enabled

W10

Processor: Intel Core i9-11900K @ 3.50GHz (8 Cores / 16 Threads), Motherboard: ASUS ROG MAXIMUS XIII HERO (0703 BIOS), Memory: 2 x 16384 MB 3200MHz Corsair CMK32GX4M2Z3600C18, Disk: 932GB WD_BLACK SN850 1TB, Graphics: Intel UHD 750 1GB, Network: Bluetooth Device (Personal Area)

OS: Microsoft Windows 10 Pro Build 19042, Kernel: 10.0 (x86_64), Display Driver: 27.20.100.9316, Compiler: GCC 8.3.0, File-System: NTFS, Screen Resolution: 3840x2160

Security Notes: __user pointer sanitization: Disabled + IBPB: Always + IBRS: Enabled + STIBP: Enabled

	Windows 10	Win 10	W10
7-Zip Compression - C.S.T (MIPS)		61074	
Standard Deviation		0.3%	
Appleseed - Emily (sec)		323.715	
Appleseed - Disney Material (sec)		183.624	
Appleseed - Material Tester (sec)		174.926	
asmFish - 1.H.M.2.D (Nodes/s)		31868845	
Standard Deviation		0.7%	
Basis Universal - ETC1S (sec)		18.753	
Standard Deviation		0.1%	
Basis Universal - UASTC Level 0 (sec)		6.142	
Standard Deviation		0.1%	
Basis Universal - UASTC Level 2 (sec)		27.065	
Standard Deviation		0.1%	
Basis Universal - UASTC Level 3 (sec)		52.030	
Standard Deviation		0.3%	
Blender - BMW27 - CPU-Only (sec)		155.59	
Standard Deviation		0.3%	
Blender - Classroom - CPU-Only (sec)		461.31	
Standard Deviation		0.1%	
Blender - Fishy Cat - CPU-Only (sec)		210.85	
Standard Deviation		0.1%	
Blender - Barbershop - CPU-Only (sec)		629.15	
Standard Deviation		0%	
Blender - Pabellon Barcelona - CPU-Only		493.75	
Standard Deviation		0.2%	

Chaos Group V-RAY - CPU (vsamples)	11678	
Standard Deviation	0.3%	
Crafty - Elapsed Time (Nodes/s)	11303083	
Standard Deviation	0.3%	
DaCapo Benchmark - H2 (msec)	2227	
Standard Deviation	4.9%	
DaCapo Benchmark - Jython (msec)	3217	
Standard Deviation	0.5%	
DaCapo Benchmark - Tradesoap (msec)	5210	
Standard Deviation	0.8%	
DaCapo Benchmark - Tradebeans (msec)	2181	
Standard Deviation	2.5%	
dav1d - Chimera 1080p (FPS)	685.22	
Standard Deviation	0.1%	
dav1d - Summer Nature 4K (FPS)	197.66	
Standard Deviation	0%	
dav1d - S.N.1 (FPS)	765.79	
Standard Deviation	0.2%	
dav1d - C.1.1.b (FPS)	138.04	
Standard Deviation	0.1%	
FLAC Audio Encoding - WAV To FLAC (sec)	6.425	
Standard Deviation	0.3%	
IndigoBench - CPU - Bedroom (M samples/s)		2.083
Standard Deviation		0.3%
IndigoBench - CPU - Supercar (M samples/s)		4.911
Standard Deviation		0.3%
Intel Open Image Denoise - Memorial (Images / Sec)	13.28	
Standard Deviation	0.8%	
John The Ripper - Blowfish (Real C/S)	21778	
Standard Deviation	0.3%	
John The Ripper - MD5 (Real C/S)	1113000	
Standard Deviation	0.4%	
LAME MP3 Encoding - WAV To MP3 (sec)	6.944	
Standard Deviation	0.1%	
libavif avifenc - 0 (sec)	62.906	
Standard Deviation	0.5%	
libavif avifenc - 2 (sec)	31.946	
Standard Deviation	0.7%	
libavif avifenc - 6 (sec)	11.242	
Standard Deviation	0.6%	
libavif avifenc - 10 (sec)	2.913	
Standard Deviation	0.9%	
libavif avifenc - 6, Lossless (sec)	51.593	
Standard Deviation	0.7%	
libavif avifenc - 10, Lossless (sec)	5.053	
Standard Deviation	0.1%	
libjpeg-turbo tjbench - D.T (Megapixels/sec)	259.265683	
Standard Deviation	0.3%	
LuxCoreRender - DLSC (M samples/sec)	1.94	
Standard Deviation	0.6%	
LuxCoreRender - R.C.a.P (M samples/sec)	1.89	
Standard Deviation	0.3%	

LZ4 Compression - 1 - Compression Speed	10724
(MB/s)	
Standard Deviation	0.1%
LZ4 Compression - 1 - D.S (MB/s)	11394
Standard Deviation	0.1%
LZ4 Compression - 3 - Compression Speed	74.88
(MB/s)	
Standard Deviation	0.1%
LZ4 Compression - 3 - D.S (MB/s)	11144
Standard Deviation	0.1%
LZ4 Compression - 9 - Compression Speed	73.40
(MB/s)	
Standard Deviation	0.1%
LZ4 Compression - 9 - D.S (MB/s)	11171
Standard Deviation	0.1%
Maxon Cinebench - Multi-Core (Score)	15468
Standard Deviation	0.1%
Maxon Cinebench - Single-Core (Score)	1675
Minion - Graceful (sec)	37.032
Standard Deviation	0.2%
Minion - Solitaire (sec)	37.650
Standard Deviation	0.5%
Minion - Quasigroup (sec)	89.226
Standard Deviation	0.3%
NeatBench - CPU (FPS)	18.2
Standard Deviation	1%
Opus Codec Encoding - WAV To Opus	7.218
Encode (sec)	
Standard Deviation	0.4%
Primesieve - 1.P.N.G (sec)	17.217
Standard Deviation	0.5%
PyBench - T.F.A.T.T (Milliseconds)	891
Standard Deviation	0.8%
Selenium - ARES-6 - Firefox (ms)	30.16
Standard Deviation	0.2%
Selenium - Kraken - Firefox (ms)	696.2
Standard Deviation	0.5%
Selenium - Octane - Firefox (Geometric	33244
Standard Deviation	1.1%
Selenium - StyleBench - Firefox (Runs /	87.1
Standard Deviation	0.9%
Selenium - Jetstream 2 - Firefox (Score)	128.052
Standard Deviation	1.2%
Selenium - Speedometer - Firefox (Runs/min)	153.5
Standard Deviation	0.3%
Selenium - ARES-6 - Google Chrome (ms)	13.36
Standard Deviation	0.4%
Selenium - Kraken - Google Chrome (ms)	577.1
Standard Deviation	0.5%
Selenium - Octane - Google Chrome	76758
(Geometric Mean)	
Standard Deviation	0.3%

Selenium - PSPDFKit WASM - Firefox (Score)	2485
Standard Deviation	0.2%
Selenium - StyleBench - Google Chrome (Runs / Minute)	50.25
Standard Deviation	0.4%
Selenium - Jetstream 2 - Google Chrome (Score)	202.122
Standard Deviation	0.1%
Selenium - Speedometer - Google Chrome (Runs/min)	186.8
Standard Deviation	0.4%
Selenium - PSPDFKit WASM - Google Chrome (Score)	2643
Standard Deviation	0.2%
Selenium - W.i - Firefox (ms)	20.0
Standard Deviation	0.3%
Selenium - W.c - Firefox (ms)	293.2
Standard Deviation	0.1%
Selenium - W.i - Google Chrome (ms)	23.370
Standard Deviation	1%
Selenium - W.c - Google Chrome (ms)	251.2692
Standard Deviation	0.6%
Stockfish - Total Time (Nodes/s)	27774446
Standard Deviation	2.4%
SVT-AV1 - Enc Mode 0 - 1080p (FPS)	0.172
Standard Deviation	0%
SVT-AV1 - Enc Mode 4 - 1080p (FPS)	4.409
Standard Deviation	0.5%
SVT-AV1 - Enc Mode 8 - 1080p (FPS)	41.449
Standard Deviation	0.2%
WavPack Audio Encoding - WAV To WavPack (sec)	11.458
Standard Deviation	0.2%
WebP Image Encode - Default (Encode Time - sec)	1.237
Standard Deviation	0.4%
WebP Image Encode - Quality 100 (Encode Time - sec)	1.914
Standard Deviation	0.3%
WebP Image Encode - Q.1.L (Encode Time - sec)	13.367
Standard Deviation	0%
WebP Image Encode - Q.1.H.C (Encode Time - sec)	5.427
Standard Deviation	0.2%
WebP Image Encode - Q.1.L.H.C (Encode Time - sec)	29.299
Standard Deviation	1.7%
x264 - H.2.V.E (FPS)	114.29
Standard Deviation	0.5%

Zstd Compression - 3 - Compression Speed 2645
(MB/s)

Standard Deviation 0.4%

Zstd Compression - 8 - Compression Speed 313.1
(MB/s)

Standard Deviation 0.5%

Zstd Compression - 8 - D.S (MB/s) 4423

Standard Deviation 0.4%

Zstd Compression - 19 - Compression Speed 34.9
(MB/s)

Standard Deviation 0%

Zstd Compression - 19 - D.S (MB/s) 4040

Standard Deviation 0.1%

Zstd Compression - 3, Long Mode - Compression Speed (MB/s) 1802

Standard Deviation 0.2%

Zstd Compression - 8, Long Mode - Compression Speed (MB/s) 346.6

Standard Deviation 0.5%

Zstd Compression - 8, Long Mode - D.S 4692

Standard Deviation 0.1%

Zstd Compression - 19, Long Mode - Compression Speed (MB/s) 32.8

Standard Deviation 0.3%

Zstd Compression - 19, Long Mode - D.S (MB/s) 4145

Standard Deviation 0.1%

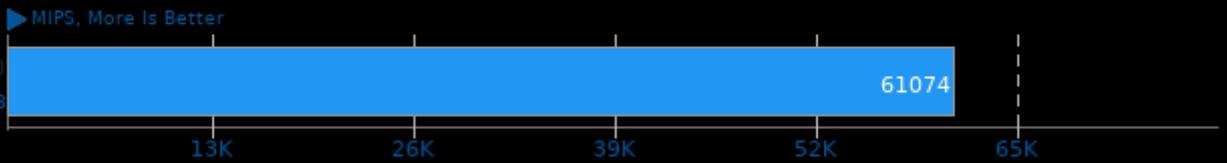
7-Zip Compression 16.02

Compress Speed Test

► MIPS, More Is Better

Win 10

SE +/- 102.34, N = 3



Appleseed 2.0 Beta

Scene: Emily

◄ Seconds, Fewer Is Better

Win 10

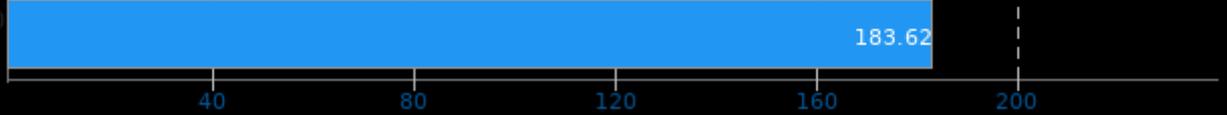


Appleseed 2.0 Beta

Scene: Disney Material

◄ Seconds, Fewer Is Better

Win 10

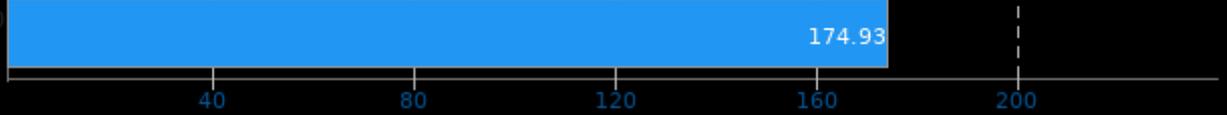


Appleseed 2.0 Beta

Scene: Material Tester

◄ Seconds, Fewer Is Better

Win 10



asmFish 2018-07-23

1024 Hash Memory, 26 Depth

► Nodes/second, More Is Better

Win 10

SE +/- 125933.69, N = 3



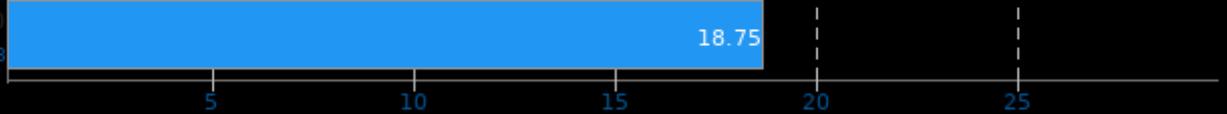
Basis Universal 1.13

Settings: ETC1S

◄ Seconds, Fewer Is Better

Win 10

SE +/- 0.01, N = 3



Basis Universal 1.13

Settings: UASTC Level 0



Basis Universal 1.13

Settings: UASTC Level 2



Basis Universal 1.13

Settings: UASTC Level 3



Blender 2.92

Blend File: BMW27 - Compute: CPU-Only



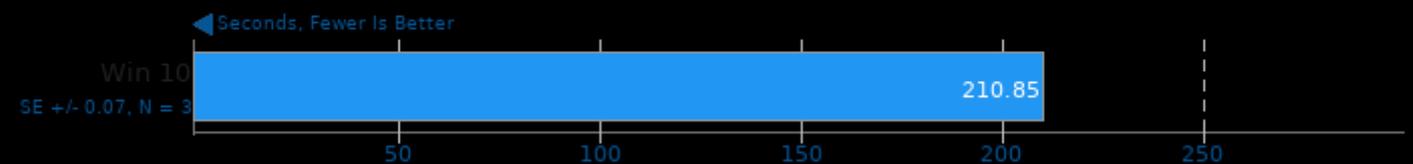
Blender 2.92

Blend File: Classroom - Compute: CPU-Only



Blender 2.92

Blend File: Fishy Cat - Compute: CPU-Only



Blender 2.92

Blend File: Barbershop - Compute: CPU-Only



Blender 2.92

Blend File: Pabellon Barcelona - Compute: CPU-Only



Chaos Group V-RAY 5

Mode: CPU



Crafty 25.2

Elapsed Time



DaCapo Benchmark 9.12-MR1

Java Test: H2



DaCapo Benchmark 9.12-MR1

Java Test: jython



DaCapo Benchmark 9.12-MR1

Java Test: Tradesoap



DaCapo Benchmark 9.12-MR1

Java Test: Tradebeans



dav1d 0.8.2

Video Input: Chimera 1080p



dav1d 0.8.2

Video Input: Summer Nature 4K



dav1d 0.8.2

Video Input: Summer Nature 1080p



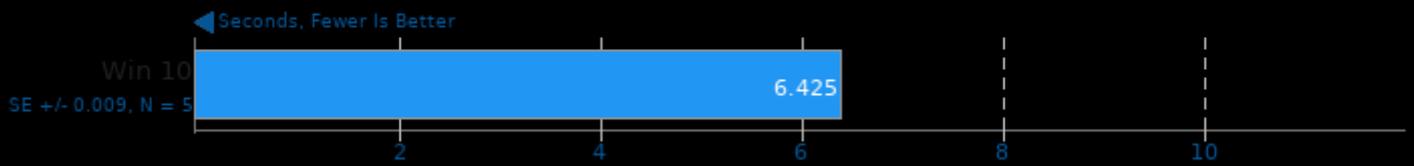
dav1d 0.8.2

Video Input: Chimera 1080p 10-bit



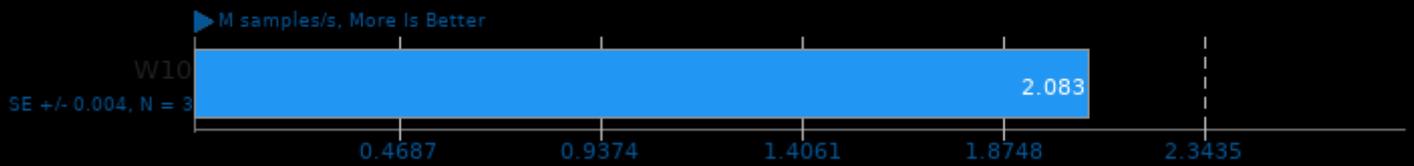
FLAC Audio Encoding 1.3.2

WAV To FLAC



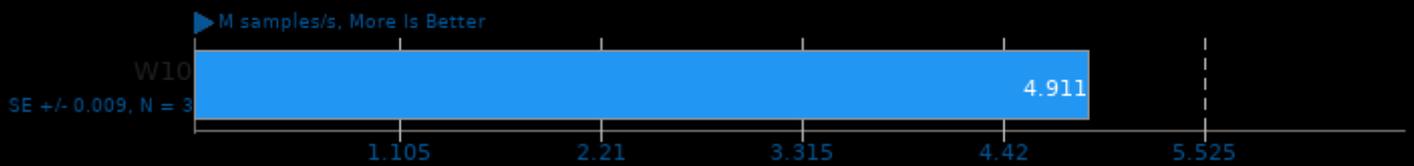
IndigoBench 4.4

Acceleration: CPU - Scene: Bedroom



IndigoBench 4.4

Acceleration: CPU - Scene: Supercar



Intel Open Image Denoise 1.2.0

Scene: Memorial



John The Ripper 1.9.0-jumbo-1

Test: Blowfish



John The Ripper 1.9.0-jumbo-1

Test: MD5



LAME MP3 Encoding 3.100

WAV To MP3



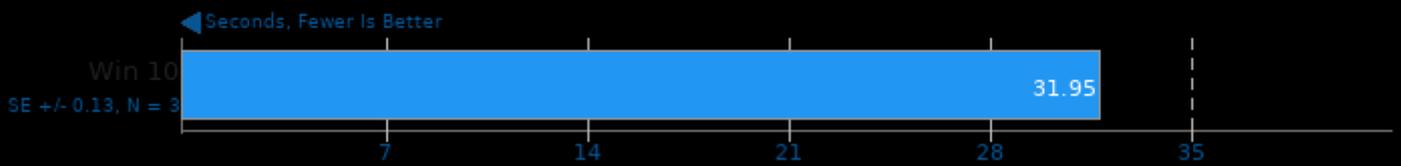
libavif avifenc 0.9.0

Encoder Speed: 0



libavif avifenc 0.9.0

Encoder Speed: 2



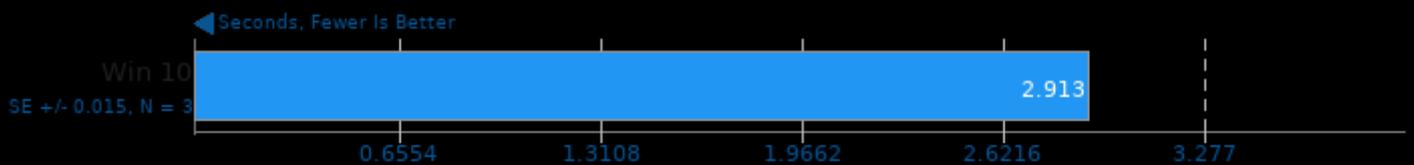
libavif avifenc 0.9.0

Encoder Speed: 6



libavif avifenc 0.9.0

Encoder Speed: 10



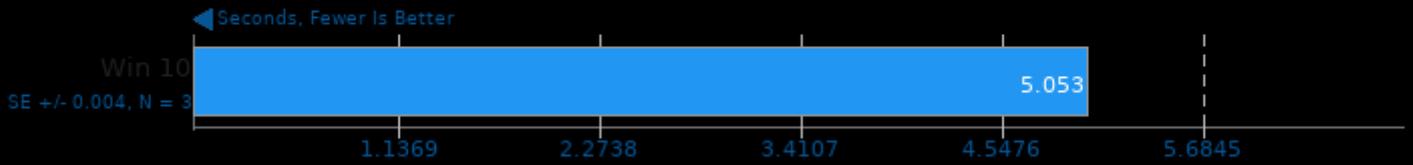
libavif avifenc 0.9.0

Encoder Speed: 6, Lossless



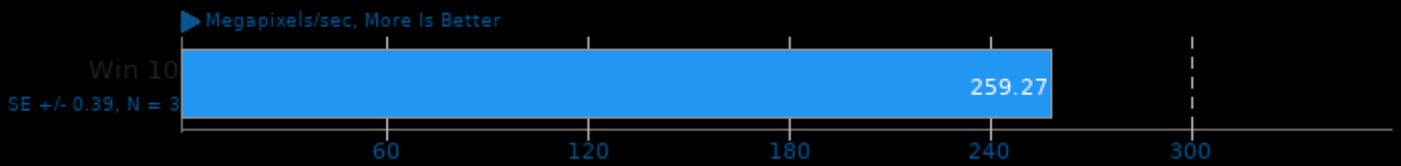
libavif avifenc 0.9.0

Encoder Speed: 10, Lossless



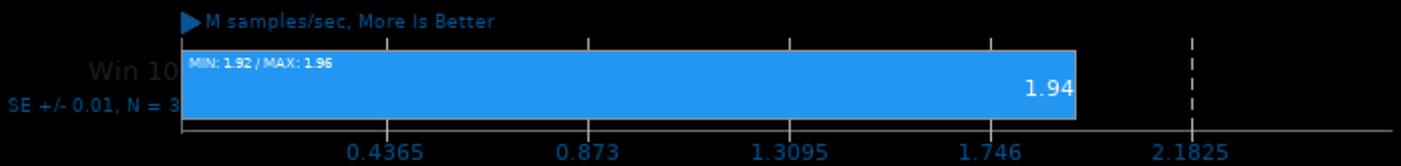
libjpeg-turbo tjbench 2.0.2

Test: Decompression Throughput



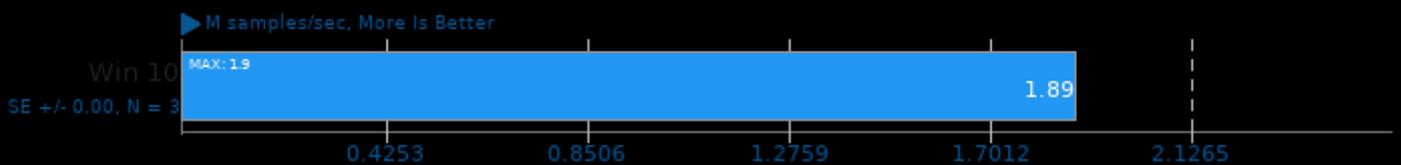
LuxCoreRender 2.3

Scene: DLSC



LuxCoreRender 2.3

Scene: Rainbow Colors and Prism



LZ4 Compression 1.9.3

Compression Level: 1 - Compression Speed



LZ4 Compression 1.9.3

Compression Level: 1 - Decompression Speed



LZ4 Compression 1.9.3

Compression Level: 3 - Compression Speed



LZ4 Compression 1.9.3

Compression Level: 3 - Decompression Speed



LZ4 Compression 1.9.3

Compression Level: 9 - Compression Speed



LZ4 Compression 1.9.3

Compression Level: 9 - Decompression Speed



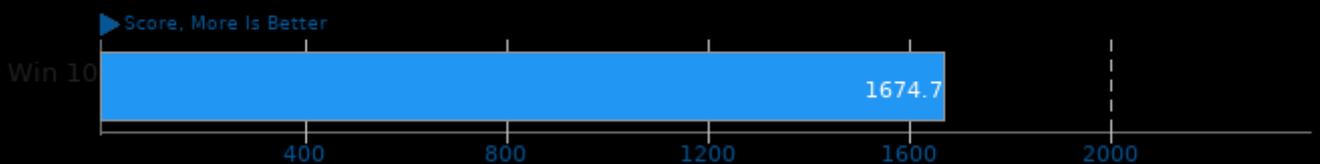
Maxon Cinebench 23

Test: Multi-Core



Maxon Cinebench 23

Test: Single-Core



Minion 1.8

Benchmark: Graceful



Minion 1.8

Benchmark: Solitaire



Minion 1.8

Benchmark: Quasigroup



NeatBench 5

Acceleration: CPU



Opus Codec Encoding 1.3.1

WAV To Opus Encode



Primesieve 7.4

1e12 Prime Number Generation



PyBench 2018-02-16

Total For Average Test Times



Selenium

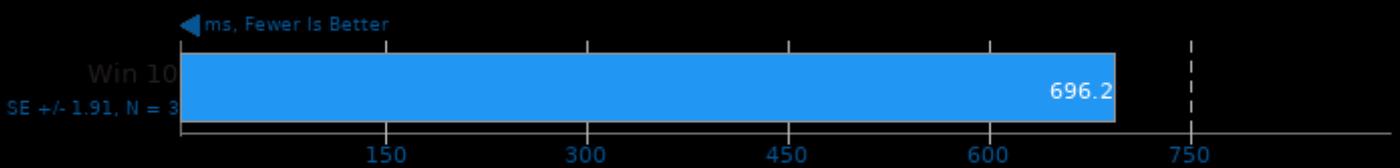
Benchmark: ARES-6 - Browser: Firefox



1. firefox 87.0

Selenium

Benchmark: Kraken - Browser: Firefox



1. firefox 87.0

Selenium

Benchmark: Octane - Browser: Firefox



1. firefox 87.0

Selenium

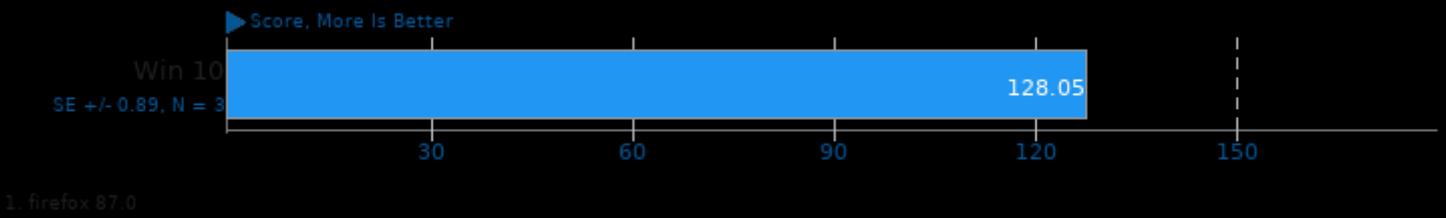
Benchmark: StyleBench - Browser: Firefox



1. firefox 87.0

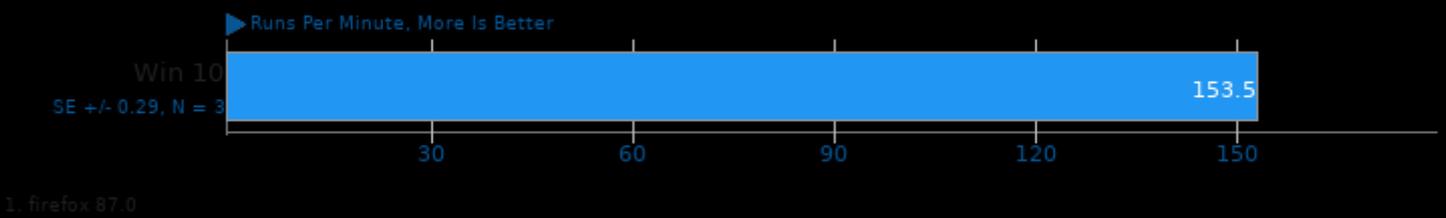
Selenium

Benchmark: Jetstream 2 - Browser: Firefox



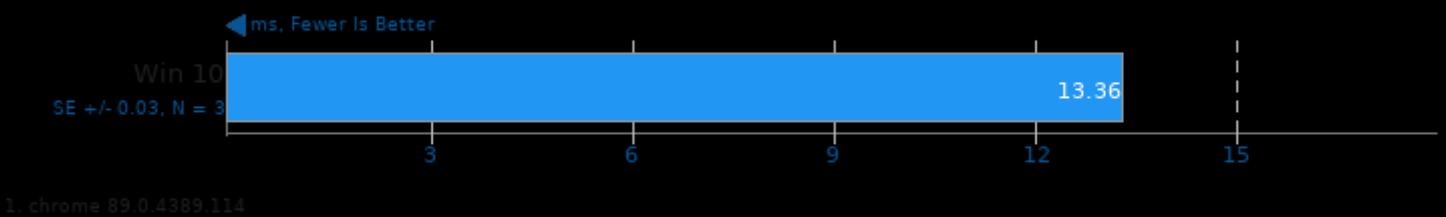
Selenium

Benchmark: Speedometer - Browser: Firefox



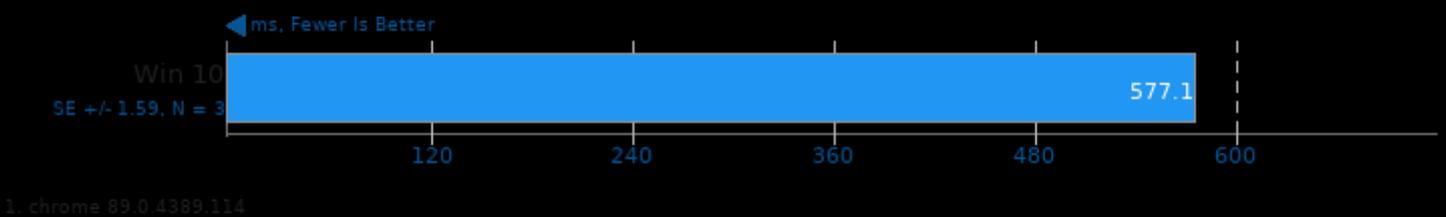
Selenium

Benchmark: ARES-6 - Browser: Google Chrome



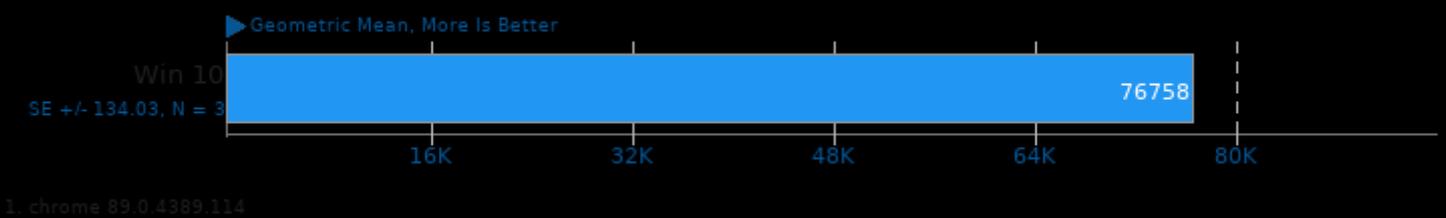
Selenium

Benchmark: Kraken - Browser: Google Chrome



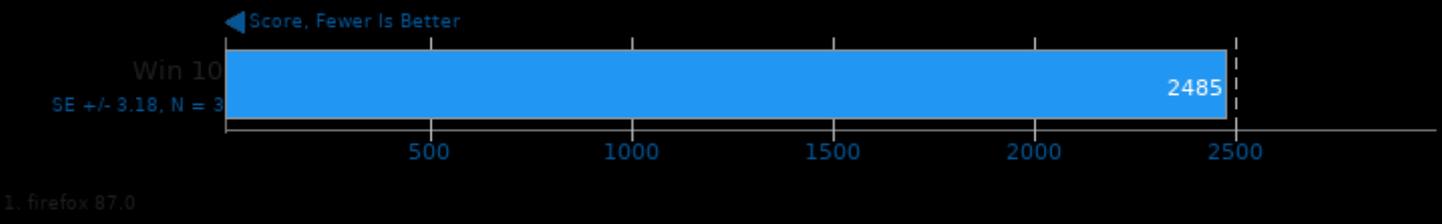
Selenium

Benchmark: Octane - Browser: Google Chrome



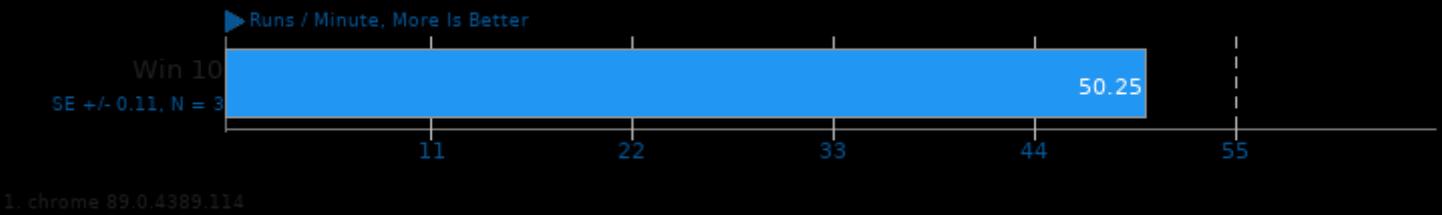
Selenium

Benchmark: PSPDFKit WASM - Browser: Firefox



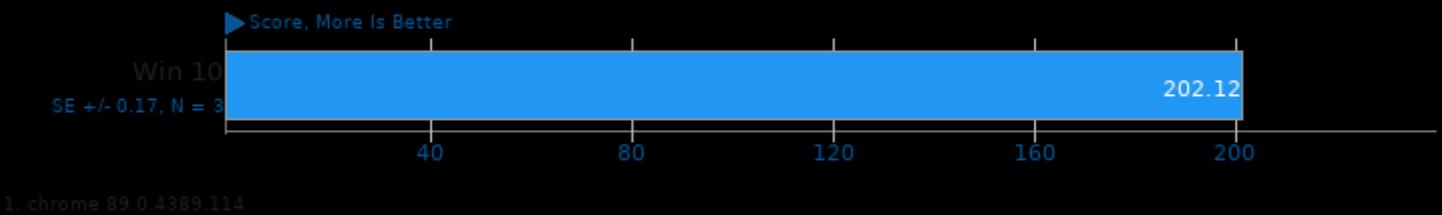
Selenium

Benchmark: StyleBench - Browser: Google Chrome



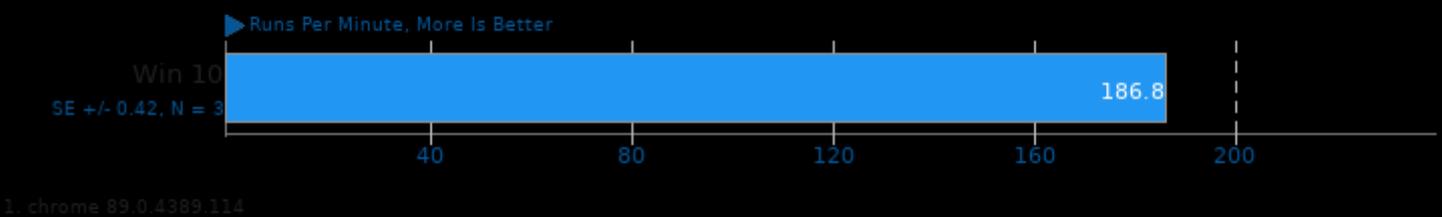
Selenium

Benchmark: Jetstream 2 - Browser: Google Chrome



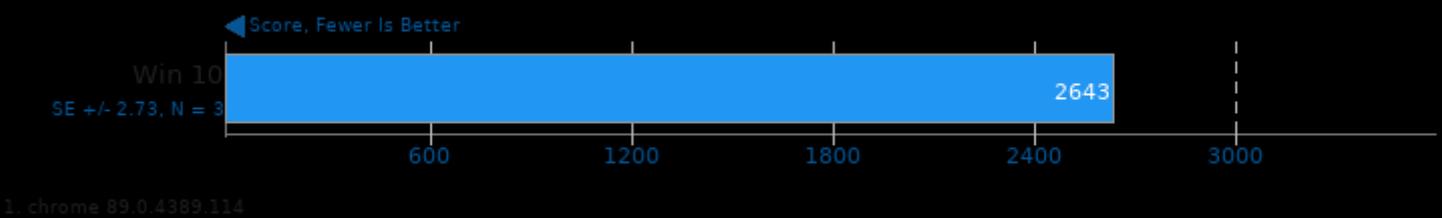
Selenium

Benchmark: Speedometer - Browser: Google Chrome



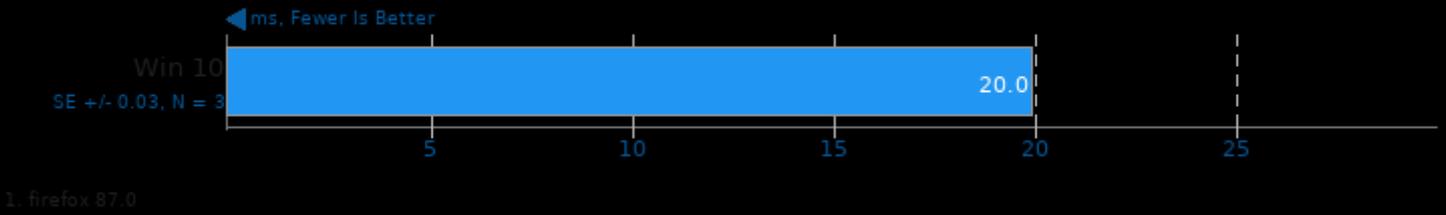
Selenium

Benchmark: PSPDFKit WASM - Browser: Google Chrome



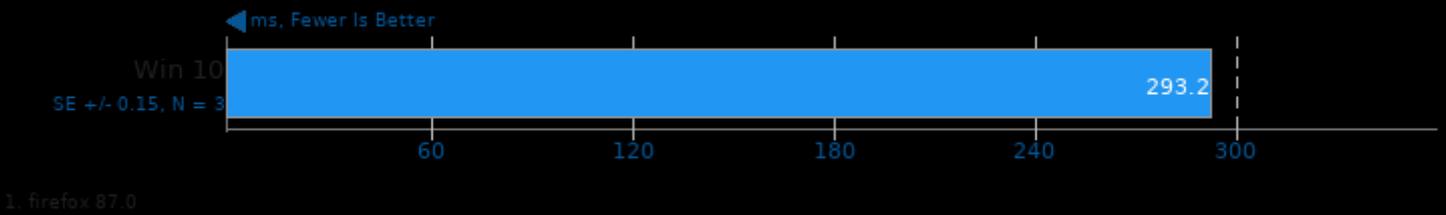
Selenium

Benchmark: WASM imageConvolute - Browser: Firefox



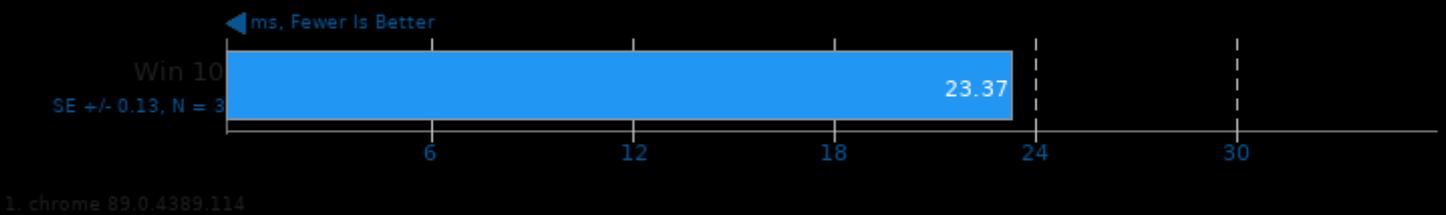
Selenium

Benchmark: WASM collisionDetection - Browser: Firefox



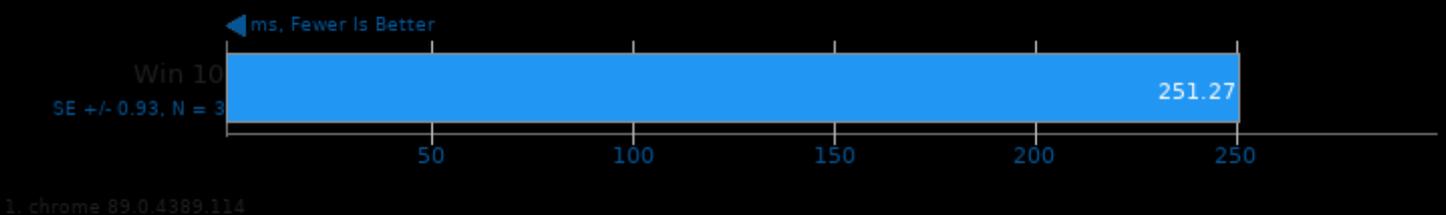
Selenium

Benchmark: WASM imageConvolute - Browser: Google Chrome



Selenium

Benchmark: WASM collisionDetection - Browser: Google Chrome



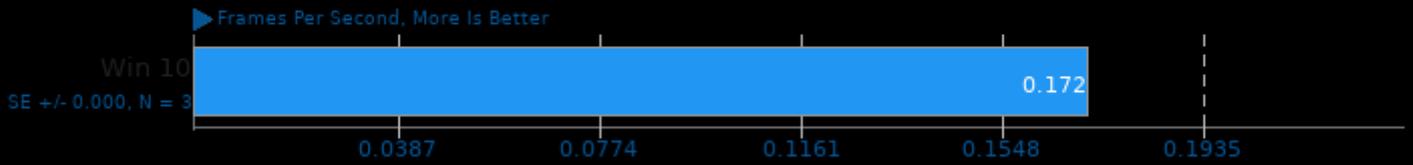
Stockfish 13

Total Time



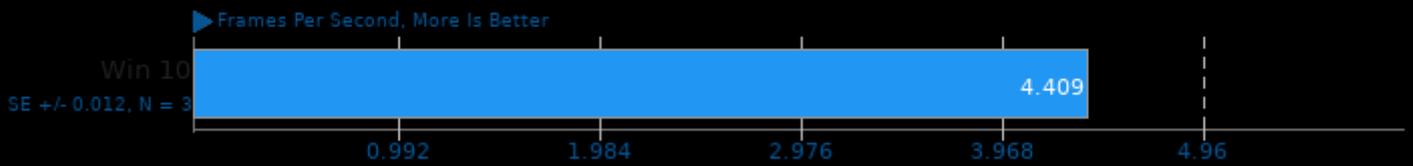
SVT-AV1 0.8

Encoder Mode: Enc Mode 0 - Input: 1080p



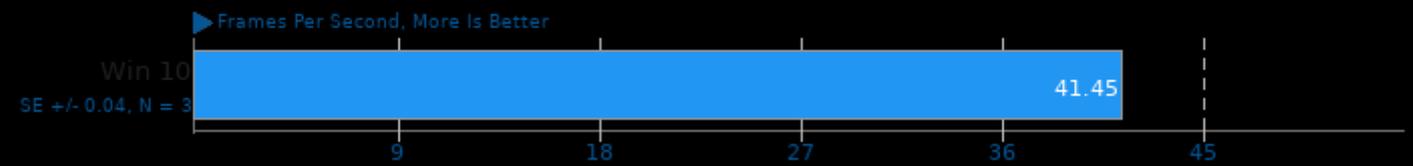
SVT-AV1 0.8

Encoder Mode: Enc Mode 4 - Input: 1080p



SVT-AV1 0.8

Encoder Mode: Enc Mode 8 - Input: 1080p



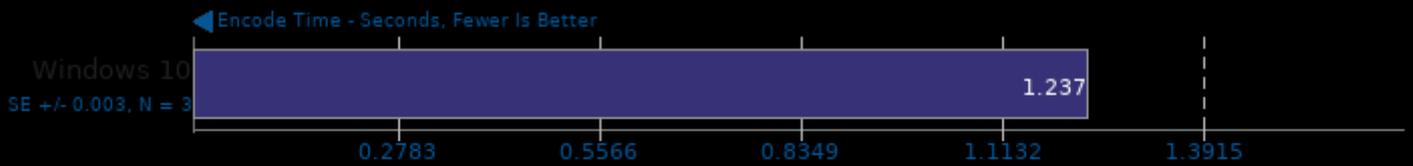
WavPack Audio Encoding 5.3

WAV To WavPack



WebP Image Encode 1.1

Encode Settings: Default



WebP Image Encode 1.1

Encode Settings: Quality 100



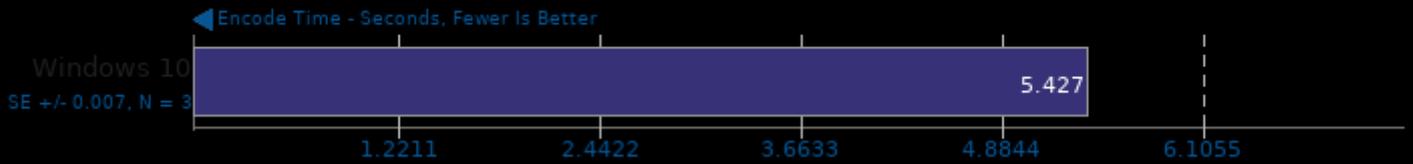
WebP Image Encode 1.1

Encode Settings: Quality 100, Lossless



WebP Image Encode 1.1

Encode Settings: Quality 100, Highest Compression



WebP Image Encode 1.1

Encode Settings: Quality 100, Lossless, Highest Compression



x264 2019-12-17

H.264 Video Encoding



Zstd Compression 1.4.9

Compression Level: 3 - Compression Speed



Zstd Compression 1.4.9

Compression Level: 8 - Compression Speed



Zstd Compression 1.4.9

Compression Level: 8 - Decompression Speed



Zstd Compression 1.4.9

Compression Level: 19 - Compression Speed



Zstd Compression 1.4.9

Compression Level: 19 - Decompression Speed



Zstd Compression 1.4.9

Compression Level: 3, Long Mode - Compression Speed



Zstd Compression 1.4.9

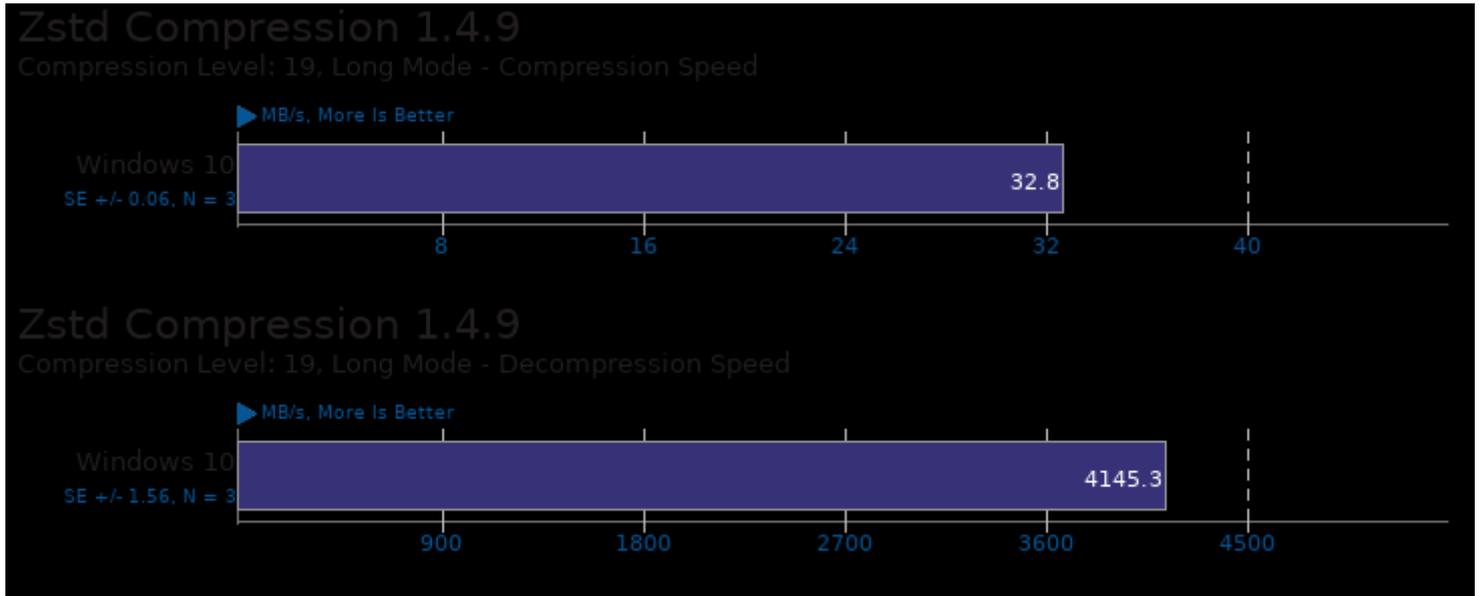
Compression Level: 8, Long Mode - Compression Speed



Zstd Compression 1.4.9

Compression Level: 8, Long Mode - Decompression Speed





This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 20:58.