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ptld-i5-750

Intel Core i5 750 testing on Ubuntu 22.04 via the Phoronix Test Suite.

Test Systems:

Samsung SSD 850 - Sapphire AMD Radeon RX 560

system

unigine test

Processor: Intel Core i5 750 (4 Cores), Chipset: Intel Core DMI, Memory: 8GB, Disk: 128GB Samsung SSD 850 + 4001GB Western Digital WD40EFRX-68N + 2000GB CT2000MX500SSD1 + 32GB OCZ VERTEX TURBO + 2000GB Western Digital WD2003FZEX-0 + 4 x 0GB FCR-HS219/1, Graphics: Sapphire AMD Radeon RX 560 4GB (1216/1750MHz), Audio: Realtek ALC888, Monitor: PL2792Q, Network: Realtek RTL8111/8168/8411

OS: Ubuntu 22.04, Kernel: 5.15.0-47-generic (x86_64), Desktop: GNOME Shell 42.4, Display Server: X Server 1.20.9, OpenGL: 4.6 Mesa 22.0.5 (LLVM 13.0.1 DRM 3.42), Compiler: GCC 11.2.0, File-System: ext4, Screen Resolution:

ptld-i5-750

2560x1440

Kernel Notes: Transparent Huge Pages: madvise
Processor Notes: CPU Microcode: 0xa
Graphics Notes: BAR1 / Visible vRAM Size: 256 MB - vBIOS Version: 113-734801M-U02
Security Notes: itlb_multihit: KVM: Mitigation of VMX disabled + l1tf: Mitigation of PTE Inversion; VMX: conditional cache flushes SMT disabled + mds: Vulnerable: Clear buffers attempted no microcode; SMT disabled + meltdown: Mitigation of PTI + mmio_stale_data: Not affected + retbleed: Not affected + spec_store_bypass: Mitigation of SSB disabled via prctl and seccomp + spectre_v1: Mitigation of usercopy/swapgs barriers and __user pointer sanitization + spectre_v2: Mitigation of Retpolines IBPB: conditional IBRS_FW STIBP: disabled RSB filling + srbds: Not affected + tsx_async_abort: Not affected

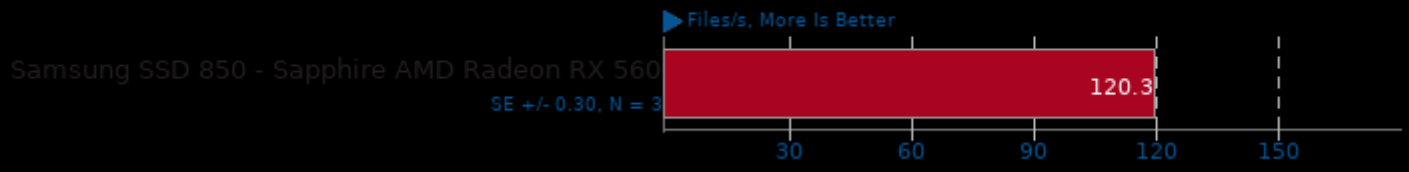
	Samsung SSD 850 - Sapphire AMD Radeon RX 560	system	unigine test
FS-Mark - 1.F.1.S (Files/s)	120.3		
Standard Deviation	0.4%		
FS-Mark - 4.F.3.S.D.1.S (Files/s)	100.3		
Standard Deviation	27%		
OpenArena - 2560 x 1440 (FPS)	124.1		
Standard Deviation	0.2%		
Unigine Heaven - 2560 x 1440 - Fullscreen - OpenGL (FPS)			18.9868
Standard Deviation			0.2%
Unigine Valley - 2560 x 1440 - Fullscreen - OpenGL (FPS)			21.9185
Standard Deviation			0.1%
x264 - Bosphorus 1080p (FPS)	17.83		
Standard Deviation	3.1%		
x265 - Bosphorus 1080p (FPS)	11.64		
Standard Deviation	0.8%		
RAMspeed SMP - Add - Integer (MB/s)	11948		
Standard Deviation	0.1%		
RAMspeed SMP - Copy - Integer (MB/s)	10792		
Standard Deviation	0.5%		
RAMspeed SMP - Scale - Integer (MB/s)	10671		
Standard Deviation	0%		
RAMspeed SMP - Triad - Integer (MB/s)	11682		
Standard Deviation	0.2%		
RAMspeed SMP - Average - Integer (MB/s)	11258		
Standard Deviation	0.1%		
RAMspeed SMP - Add - Floating Point (MB/s)	11865		
Standard Deviation	0.1%		
RAMspeed SMP - Copy - Floating Point	10825		
Standard Deviation	0.1%		
RAMspeed SMP - Scale - Floating Point	10776		
Standard Deviation	0.1%		
RAMspeed SMP - Triad - Floating Point	11802		
Standard Deviation	0.2%		
RAMspeed SMP - Average - Floating Point (MB/s)	11317		
Standard Deviation	0%		

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7-Zip Compression - Compression Rating (MIPS)	14245	
Standard Deviation	0.4%	
7-Zip Compression - D.R (MIPS)	11342	
Standard Deviation	0.3%	
GLmark2 - 2560 x 1440 (Score)	1723	
Timed Apache Compilation - Time To Compile (sec)		60.897
Standard Deviation		0.4%
Timed MPlayer Compilation - Time To Compile (sec)		195.490
Standard Deviation		0.1%
Gzip Compression - L.S.T.A.T.t.g (sec)		52.700
Standard Deviation		3.3%
FLAC Audio Encoding - WAV To FLAC (sec)		51.900
Standard Deviation		0.3%
LAME MP3 Encoding - WAV To MP3 (sec)		14.869
Standard Deviation		0.2%
Ogg Audio Encoding - WAV To Ogg (sec)		39.333
Standard Deviation		0.5%
FFmpeg - H.2.H.T.N.D (sec)		11.754
Standard Deviation		1.7%

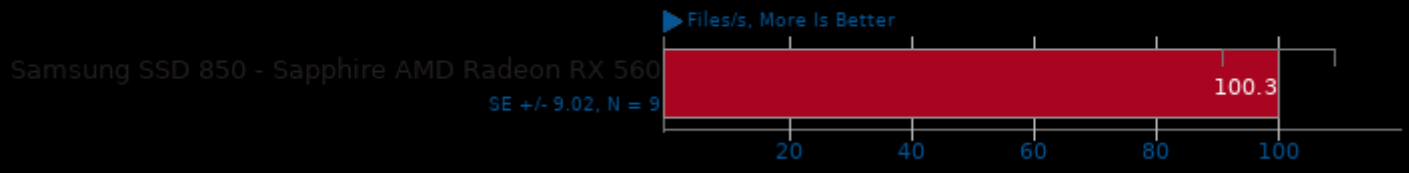
FS-Mark 3.3

Test: 1000 Files, 1MB Size



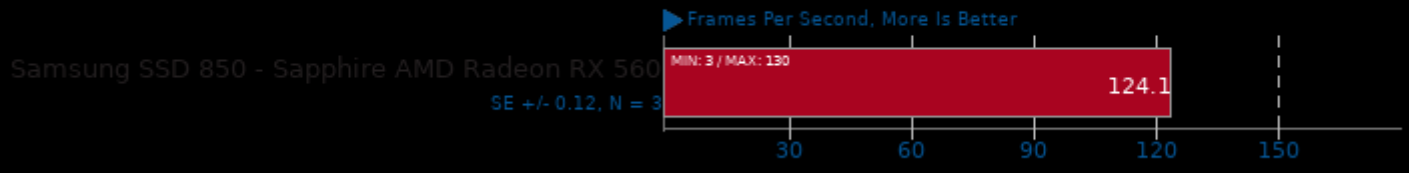
FS-Mark 3.3

Test: 4000 Files, 32 Sub Dirs, 1MB Size



OpenArena 0.8.8

Resolution: 2560 x 1440



Unigine Heaven 4.0

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



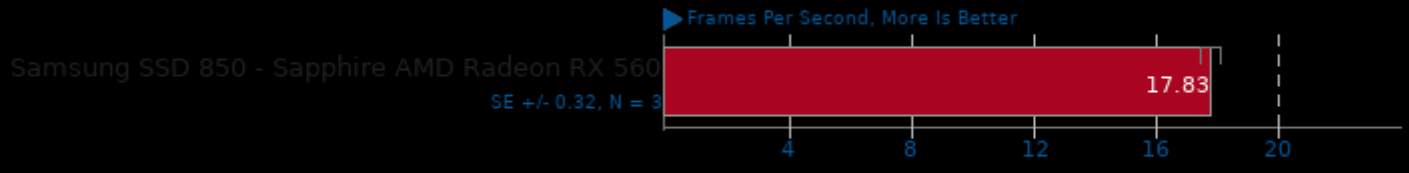
Unigine Valley 1.0

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



x264 2022-02-22

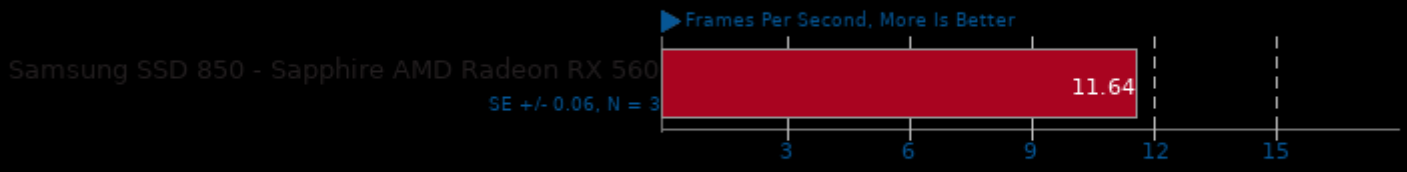
Video Input: Bosphorus 1080p



1. (CC) gcc options: -ldl -m64 -lm -lpthread -O3 -flto

x265 3.4

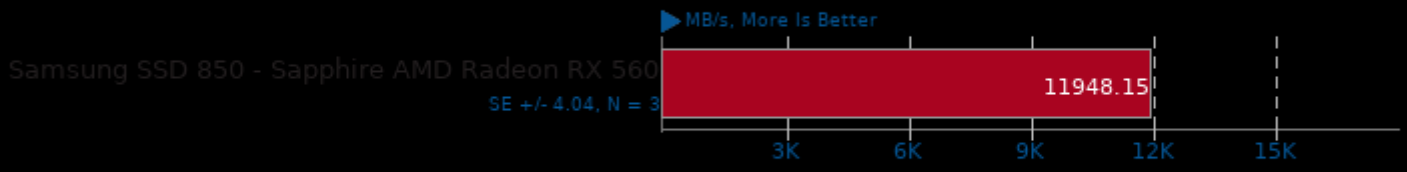
Video Input: Bosphorus 1080p



1. (CXX) g++ options: -O3 -rdynamic -lpthread -lrt -ldl

RAMspeed SMP 3.5.0

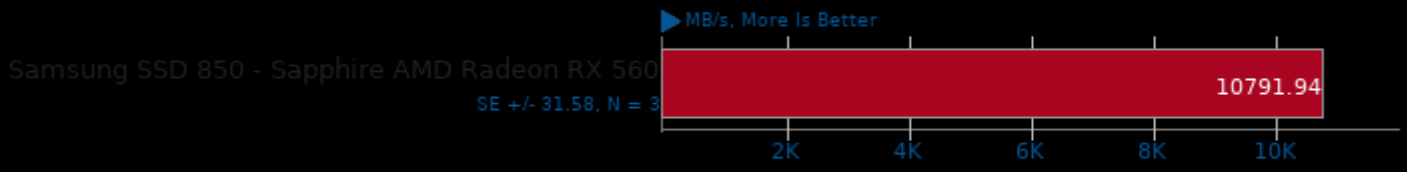
Type: Add - Benchmark: Integer



1. (CC) gcc options: -O3 -march=native

RAMspeed SMP 3.5.0

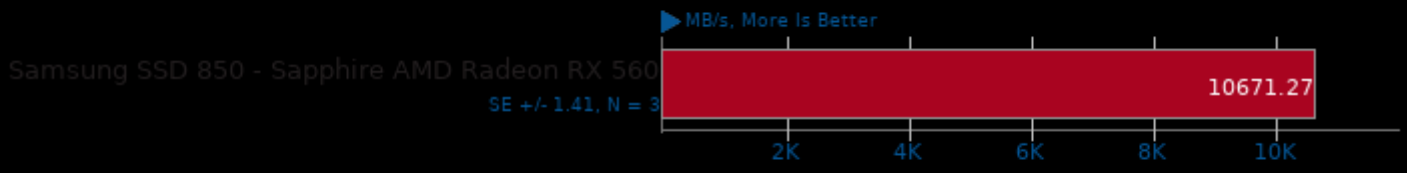
Type: Copy - Benchmark: Integer



1. (CC) gcc options: -O3 -march=native

RAMspeed SMP 3.5.0

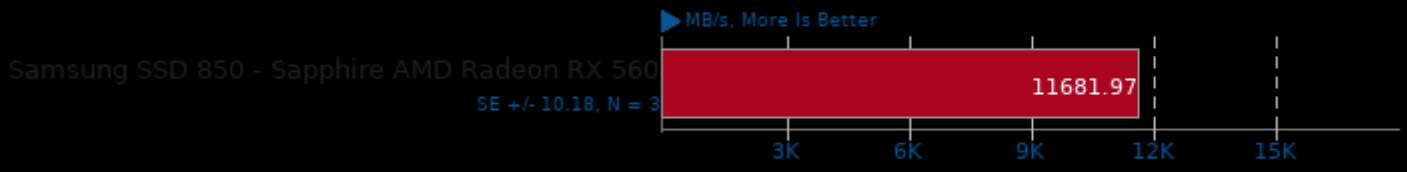
Type: Scale - Benchmark: Integer



1. (CC) gcc options: -O3 -march=native

RAMspeed SMP 3.5.0

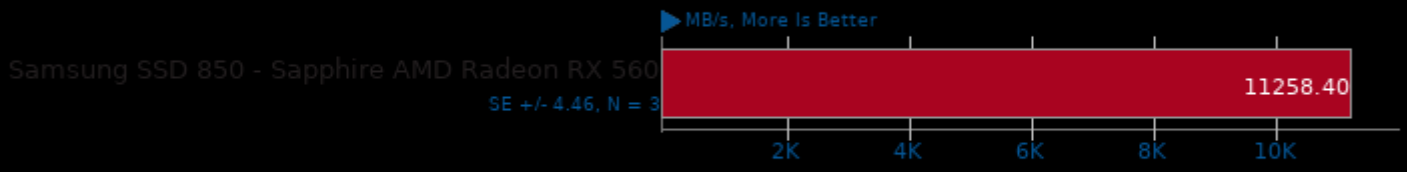
Type: Triad - Benchmark: Integer



1. (CC) gcc options: -O3 -march=native

RAMspeed SMP 3.5.0

Type: Average - Benchmark: Integer



1. (CC) gcc options: -O3 -march=native

RAMspeed SMP 3.5.0

Type: Add - Benchmark: Floating Point



1. (CC) gcc options: -O3 -march=native

RAMspeed SMP 3.5.0

Type: Copy - Benchmark: Floating Point



1. (CC) gcc options: -O3 -march=native

RAMspeed SMP 3.5.0

Type: Scale - Benchmark: Floating Point



1. (CC) gcc options: -O3 -march=native

RAMspeed SMP 3.5.0

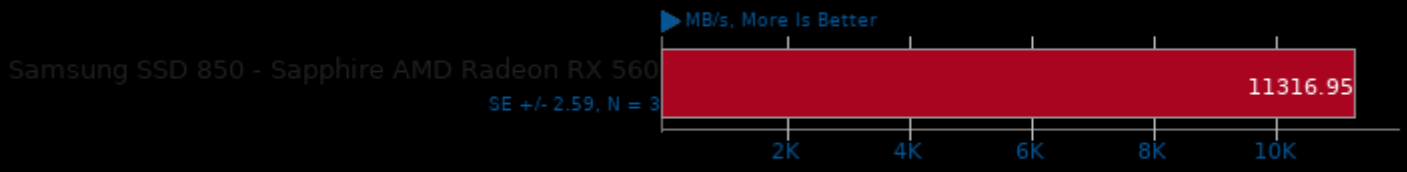
Type: Triad - Benchmark: Floating Point



1. (CC) gcc options: -O3 -march=native

RAMspeed SMP 3.5.0

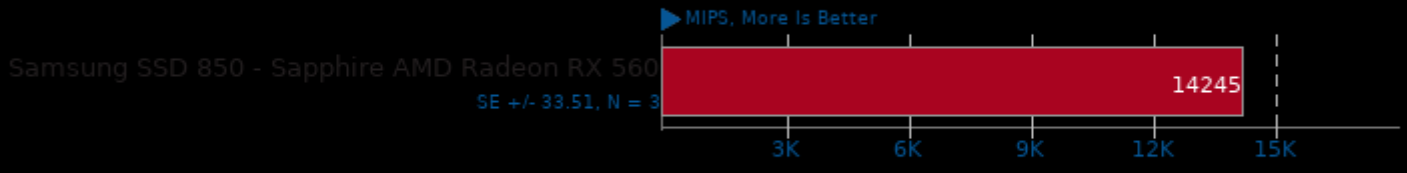
Type: Average - Benchmark: Floating Point



1. (CC) gcc options: -O3 -march=native

7-Zip Compression 22.01

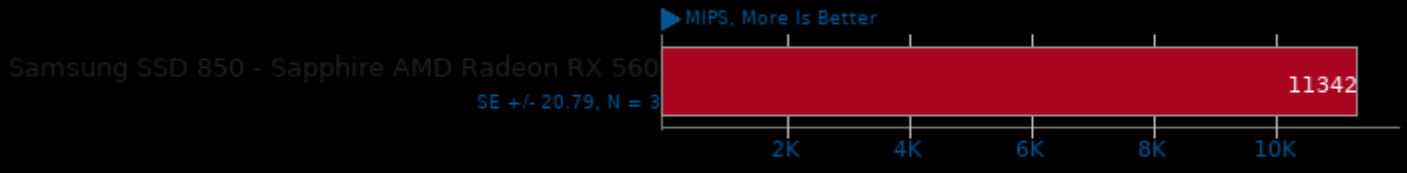
Test: Compression Rating



1. (CXX) g++ options: -lpthread -ldl -O2 -fPIC

7-Zip Compression 22.01

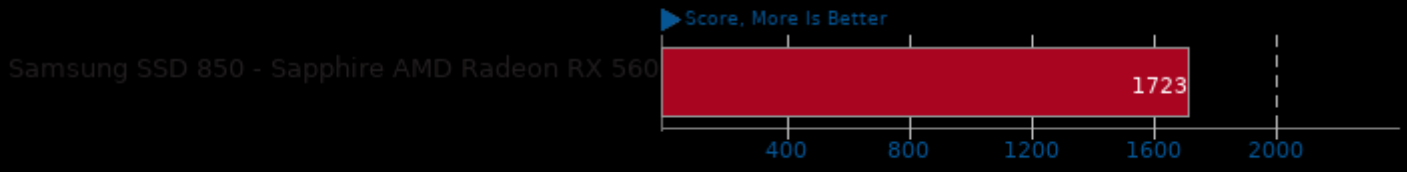
Test: Decompression Rating



1. (CXX) g++ options: -lpthread -ldl -O2 -fPIC

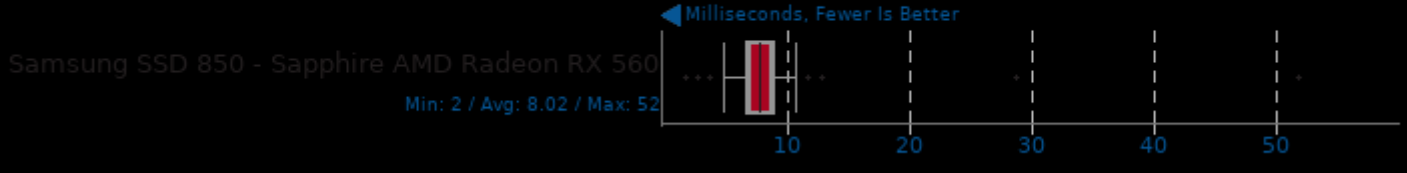
GLmark2

Resolution: 2560 x 1440



OpenArena 0.8.8

Resolution: 2560 x 1440 - Total Frame Time



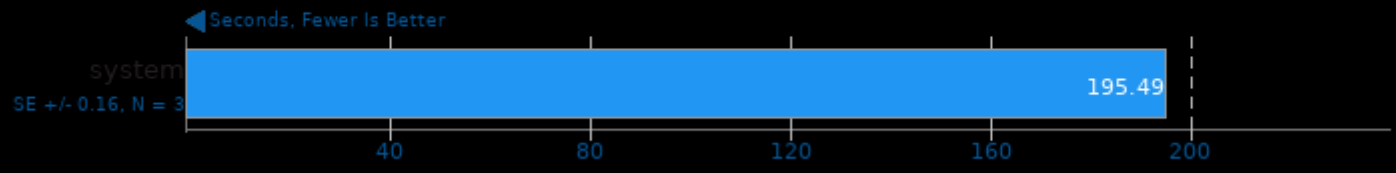
Timed Apache Compilation 2.4.41

Time To Compile



Timed MPlayer Compilation 1.5

Time To Compile



Gzip Compression

Linux Source Tree Archiving To .tar.gz



FLAC Audio Encoding 1.4

WAV To FLAC



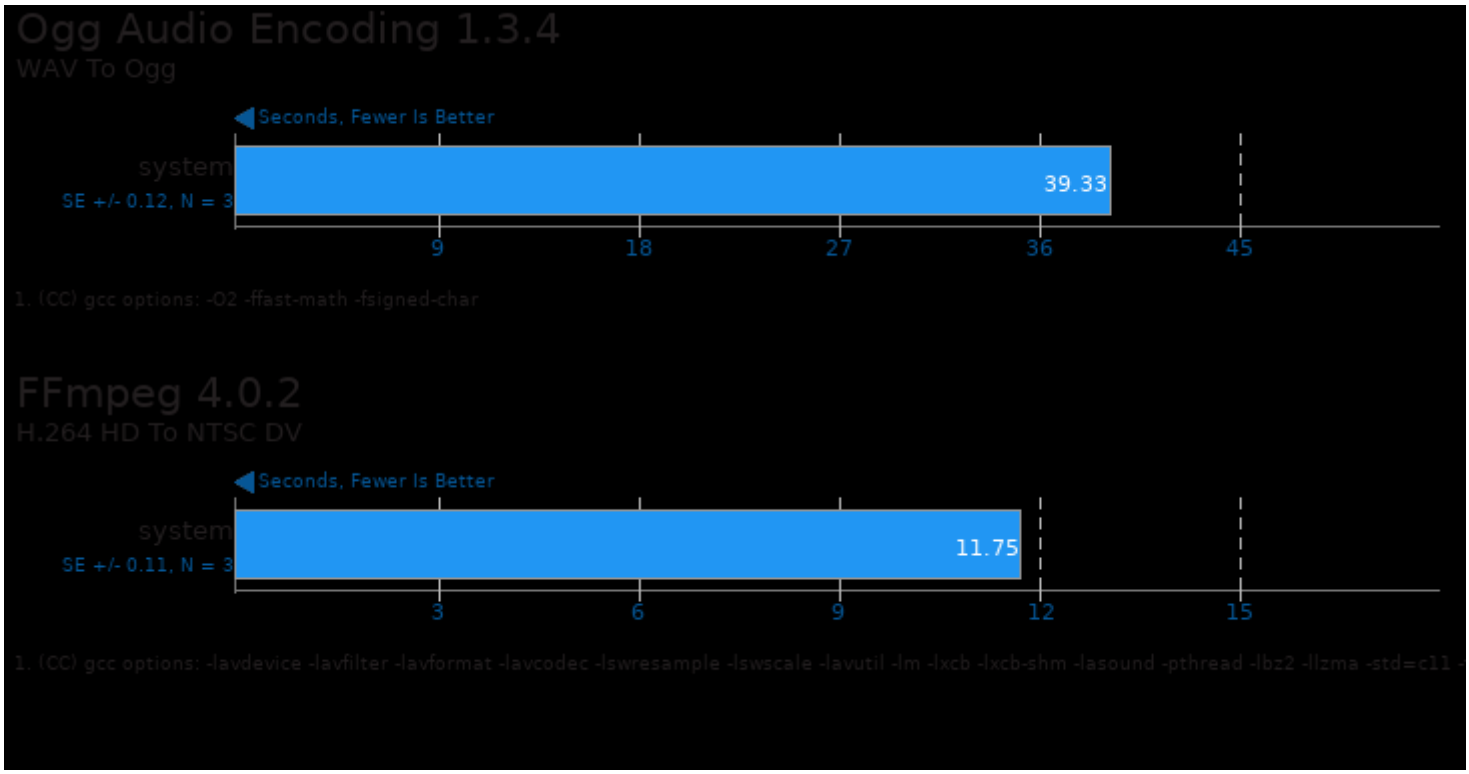
1. (CXX) g++ options: -O3 -fvisibility=hidden -logg -lm

LAME MP3 Encoding 3.100

WAV To MP3



1. (CC) gcc options: -O3 -ffast-math -funroll-loops -fschedule-insns2 -fbranch-count-reg -fforce-addr -pipe -lncurses -lm



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