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ryzen webp2

AMD Ryzen 7 3800XT 8-Core testing with a MSI X370 XPOWER GAMING TITANIUM (MS-7A31) v1.0 (1.MS BIOS) and Sapphire AMD Radeon HD 4650 on Debian 10 via the Phoronix Test Suite.

Test Systems:

1

2

3

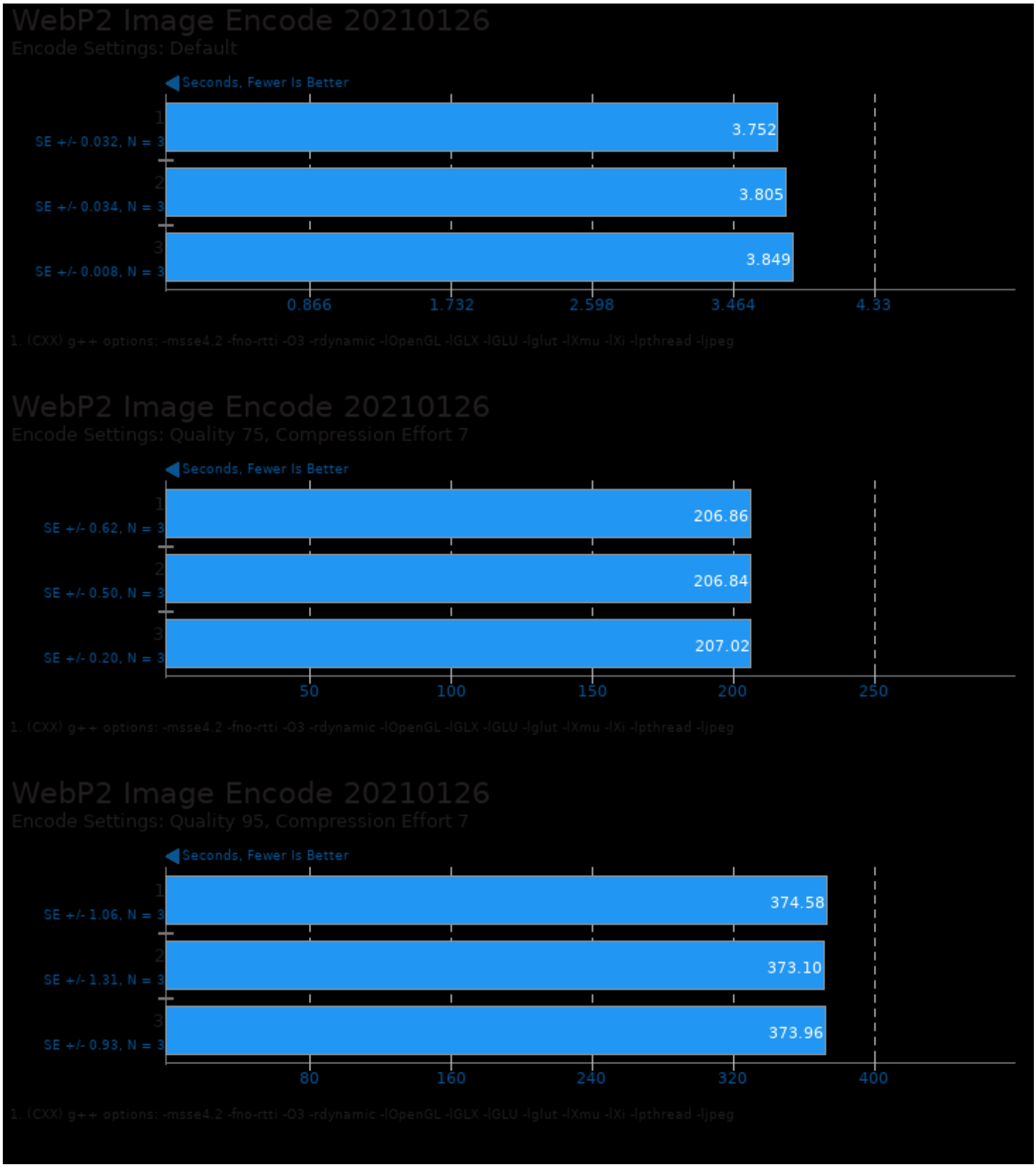
Processor: AMD Ryzen 7 3800XT 8-Core @ 3.90GHz (8 Cores / 16 Threads), Motherboard: MSI X370 XPOWER GAMING TITANIUM (MS-7A31) v1.0 (1.MS BIOS), Chipset: AMD Starship/Matisse, Memory: 16GB, Disk: 128GB INTEL SSDPEKKW128G7, Graphics: Sapphire AMD Radeon HD 4650, Audio: AMD RV710/730, Network: Intel I211

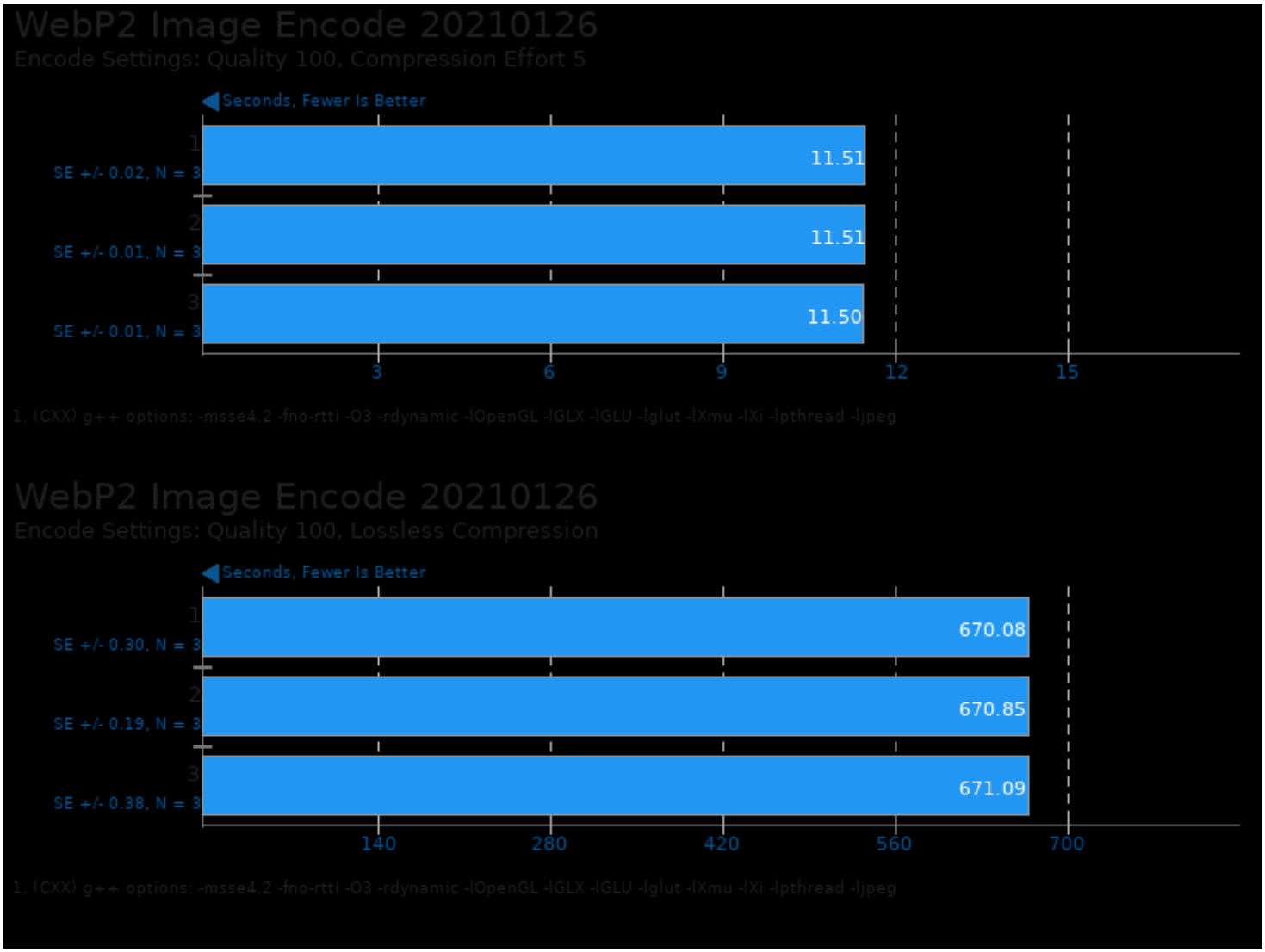
OS: Debian 10, Kernel: 4.19.0-13-amd64 (x86_64), Display Server: X Server 1.20.4, Display Driver: modesetting 1.20.4, Compiler: GCC 8.3.0, File-System: ext4, Screen Resolution: 1024x768

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Compiler Notes: --build=x86_64-linux-gnu --disable-vtable-verify --disable-werror --enable-bootstrap --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-gnu-unique-object --enable-languages=c,ada,c++,go,brig,d,fortran,objc,obj-c++ --enable-libmpx --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc=auto --enable-offload-targets=nvptx-none --enable-plugin --enable-shared --enable-threads=posix --host=x86_64-linux-gnu --program-prefix=x86_64-linux-gnu- --target=x86_64-linux-gnu --with-abi=m64 --with-arch-32=i686 --with-default-libstdcxx-abi=new --with-gcc-major-version-only --with-multilib-list=m32,m64,mx32 --with-target-system-zlib --with-tune=generic --without-cuda-driver -v
Processor Notes: Scaling Governor: acpi-cpufreq ondemand (Boost: Enabled) - CPU Microcode: 0x8701021
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + spec_store_bypass: Mitigation of SSB disabled via prctl and seccomp + spectre_v1: Mitigation of usercopy/swapgs barriers and __user pointer sanitization + spectre_v2: Mitigation of Full AMD retpoline IBPB: conditional STIBP: conditional RSB filling + srbds: Not affected + tsx_async_abort: Not affected

	1	2	3
WebP2 Image Encode - Default (sec)	**3.752**	3.805	**3.849**
Normalized	100%	98.61%	97.48%
Standard Deviation	1.5%	1.6%	0.4%
WebP2 Image Encode - Q.7.C.E.7 (sec)	206.858	**206.841**	**207.017**
Normalized	99.99%	100%	99.91%
Standard Deviation	0.5%	0.4%	0.2%
WebP2 Image Encode - Q.9.C.E.7 (sec)	**374.578**	**373.097**	373.955
Normalized	99.6%	100%	99.77%
Standard Deviation	0.5%	0.6%	0.4%
WebP2 Image Encode - Q.1.C.E.5 (sec)	11.507	**11.510**	**11.503**
Normalized	99.97%	99.94%	100%
Standard Deviation	0.2%	0.2%	0.2%
WebP2 Image Encode - Q.1.L.C (sec)	**670.079**	670.848	**671.088**
Normalized	100%	99.89%	99.85%
Standard Deviation	0.1%	0%	0.1%


WebP2 Image Encode 20210126
Encode Settings: Default
Seconds, Fewer Is Better
1
SE +/- 0.032, N = 3
3.752
2
SE +/- 0.034, N = 3
3.805
3
SE +/- 0.008, N = 3
3.849
0.866
1.732
2.598
3.464
4.33
1. (CXX) g++ options: -msse4.2 -fno-rtti -O3 -rdynamic -lOpenGL -lGLX -lGLU -lglut -lXmu -lXi -lpthread -ljpeg
WebP2 Image Encode 20210126
Encode Settings: Quality 75, Compression Effort 7
Seconds, Fewer Is Better
1
SE +/- 0.62, N = 3
206.86
2
SE +/- 0.50, N = 3
206.84
3
SE +/- 0.20, N = 3
207.02
50
100
150
200
250
1. (CXX) g++ options: -msse4.2 -fno-rtti -O3 -rdynamic -lOpenGL -lGLX -lGLU -lglut -lXmu -lXi -lpthread -ljpeg
WebP2 Image Encode 20210126
Encode Settings: Quality 95, Compression Effort 7
Seconds, Fewer Is Better
1
SE +/- 1.06, N = 3
374.58
2
SE +/- 1.31, N = 3
373.10
3
SE +/- 0.93, N = 3
373.96
80
160
240
320
400
1. (CXX) g++ options: -msse4.2 -fno-rtti -O3 -rdynamic -lOpenGL -lGLX -lGLU -lglut -lXmu -lXi -lpthread -ljpeg



This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 05:05.