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icelake 1 may

Intel Core i7-1065G7 testing with a Dell 06CDVY (1.0.9 BIOS) and Intel Iris Plus ICL GT2 3GB on Ubuntu 20.10 via the Phoronix Test Suite.

Test Systems:

1

2

3

4

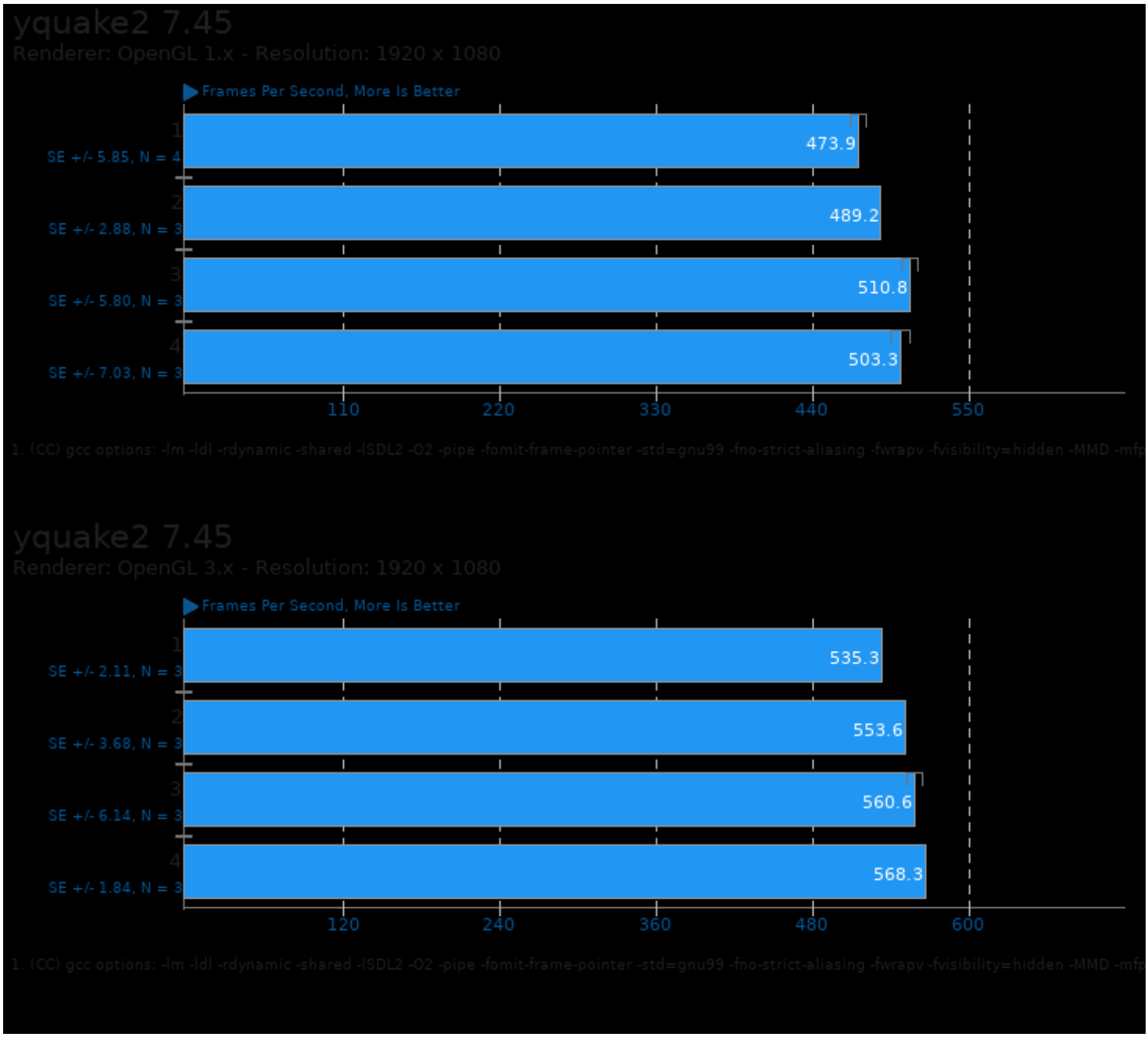
Processor: Intel Core i7-1065G7 @ 3.90GHz (4 Cores / 8 Threads), Motherboard: Dell 06CDVY (1.0.9 BIOS), Chipset: Intel Ice Lake-LP DRAM, Memory: 16GB, Disk: Toshiba KBG40ZPZ512G NVMe 512GB, Graphics: Intel Iris Plus ICL GT2 3GB (1100MHz), Audio: Realtek ALC289, Network: Intel Killer Wi-Fi 6 AX1650i 160MHz

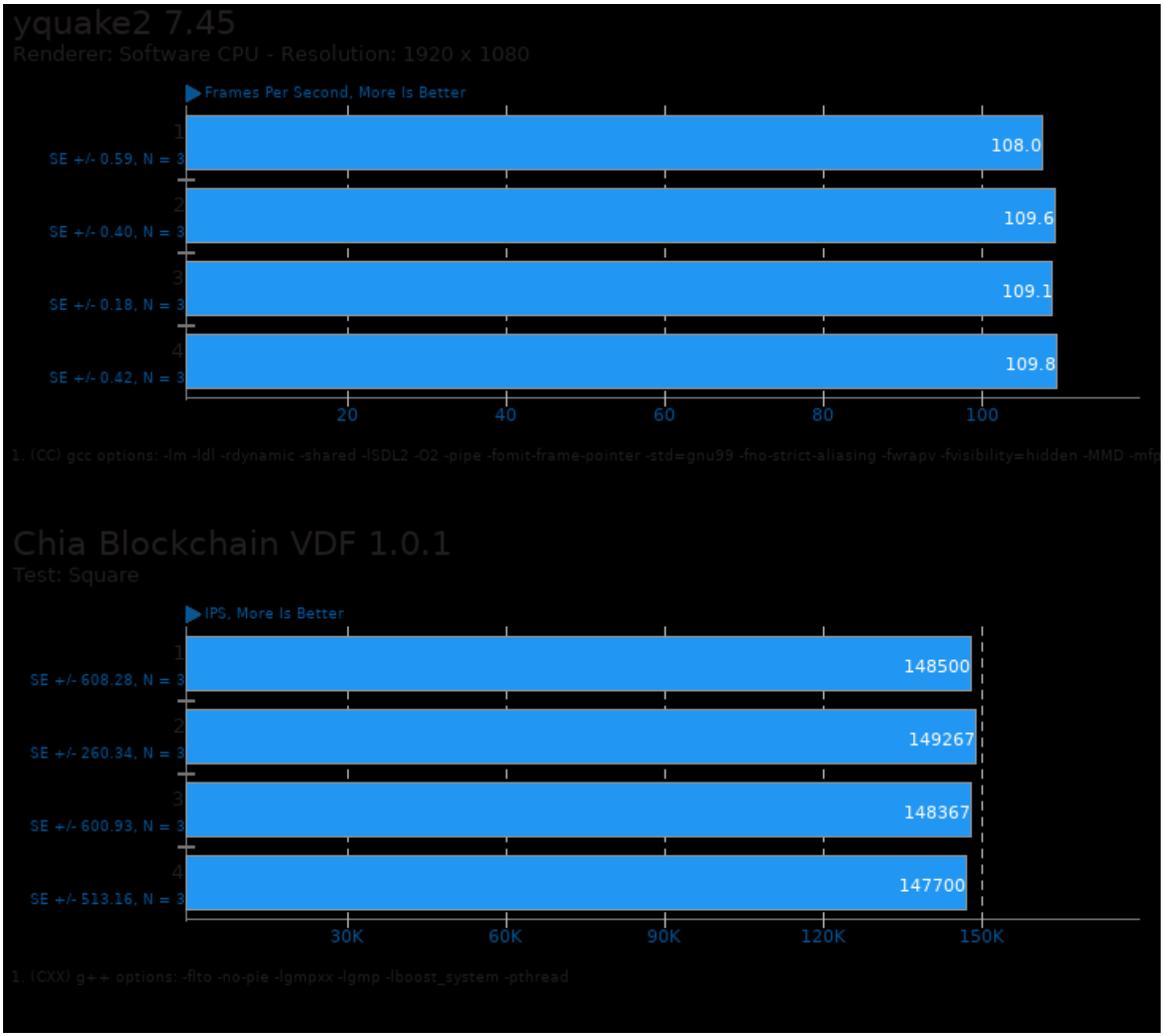
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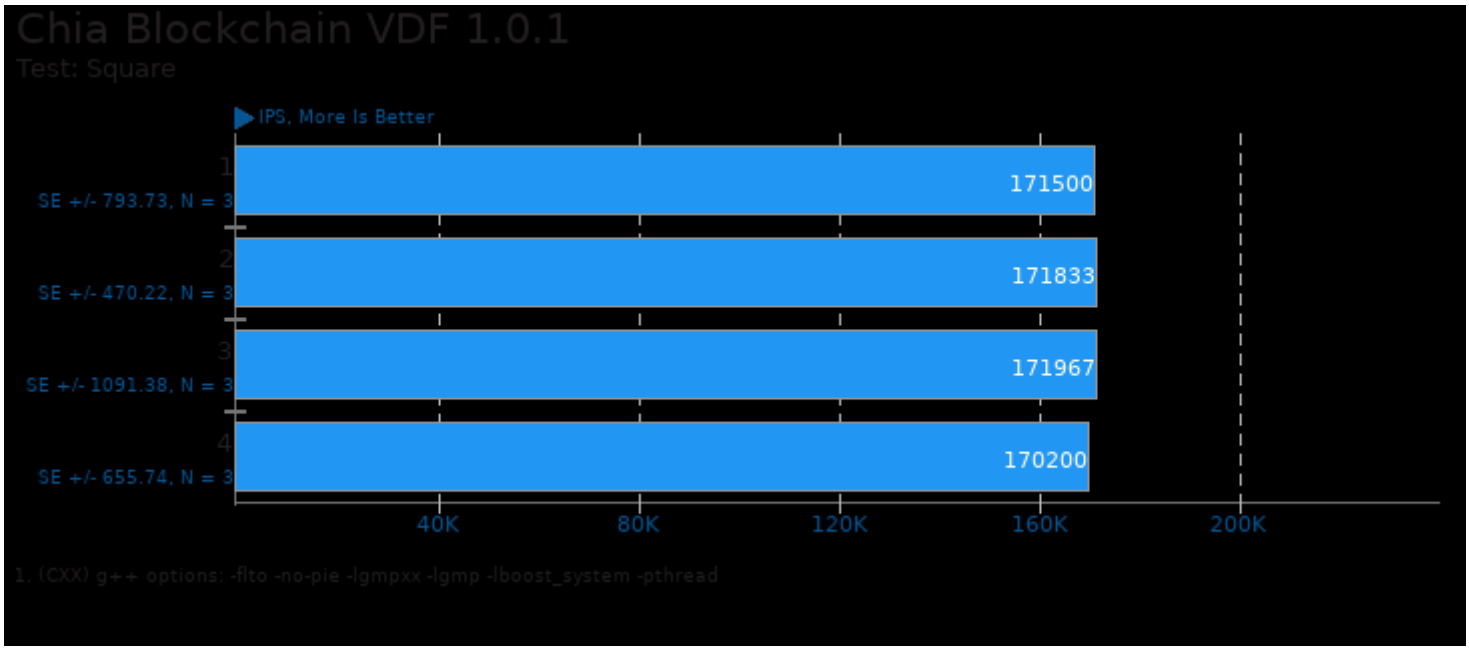
OS: Ubuntu 20.10, Kernel: 5.9.0-050900-generic (x86_64), Desktop: GNOME Shell 3.38.2, Display Server: X Server 1.20.9, OpenGL: 4.6 Mesa 20.2.6, OpenCL: OpenCL 2.1, Vulkan: 1.2.145, Compiler: GCC 10.2.0, File-System: ext4, Screen Resolution: 1920x1200

Kernel Notes: Transparent Huge Pages: madvise
Compiler Notes: --build=x86_64-linux-gnu --disable-vtable-verify --disable-werror --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++,m2 --enable-libphobos-checking=release --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc=auto --enable-offload-targets=nvptx-none=/build/gcc-10-JvwpWM/gcc-10-10.2.0/debian/tmp-nvptx/usr,amdgcn-amdhsa=/build/gcc-10-JvwpWM/gcc-10-10.2.0/debian/tmp-gcn/usr,hsa --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=auto --with-tune=generic --without-cuda-driver -v
Processor Notes: Scaling Governor: intel_pstate powersave - CPU Microcode: 0xa0 - Thermald 2.3
Python Notes: Python 3.8.6
Security Notes: itlb_multihit: KVM: Mitigation of VMX disabled + 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 Enhanced IBRS IBPB: conditional RSB filling + srbds: Not affected + tsx_async_abort: Not affected

	1	2	3	4
yquake2 - OpenGL 1.x - 1920 x 1080 (FPS)	**473.9**	489.2	**510.8**	503.3
Normalized	92.78%	95.77%	100%	98.53%
Standard Deviation	2.5%	1%	2%	2.4%
yquake2 - OpenGL 3.x - 1920 x 1080 (FPS)	**535.3**	553.6	560.6	**568.3**
Normalized	94.19%	97.41%	98.65%	100%
Standard Deviation	0.7%	1.2%	1.9%	0.6%
yquake2 - Software CPU - 1920 x 1080 (FPS)	**108.0**	109.6	109.1	**109.8**
Normalized	98.36%	99.82%	99.36%	100%
Standard Deviation	0.9%	0.6%	0.3%	0.7%
Chia Blockchain VDF - Square (IPS)	148500	**149267**	148367	**147700**
Normalized	99.49%	100%	99.4%	98.95%
Standard Deviation	0.7%	0.3%	0.7%	0.6%
Chia Blockchain VDF - Square (IPS)	171500	171833	**171967**	**170200**
Normalized	99.73%	99.92%	100%	98.97%
Standard Deviation	0.8%	0.5%	1.1%	0.7%


yquake2 7.45
Renderer: OpenGL 1.x - Resolution: 1920 x 1080
Frames Per Second, More Is Better
1
SE +/- 5.85, N = 4
473.9
2
SE +/- 2.88, N = 3
489.2
3
SE +/- 5.80, N = 3
510.8
4
SE +/- 7.03, N = 3
503.3
110
220
330
440
550
1. (CC) gcc options: -lm -ldl -rdynamic -shared -lSDL2 -O2 -pipe -fomit-frame-pointer -std=gnu99 -fno-strict-aliasing -fwrapv -fvisibility=hidden -MMD -mfp
yquake2 7.45
Renderer: OpenGL 3.x - Resolution: 1920 x 1080
Frames Per Second, More Is Better
1
SE +/- 2.11, N = 3
535.3
2
SE +/- 3.68, N = 3
553.6
3
SE +/- 6.14, N = 3
560.6
4
SE +/- 1.84, N = 3
568.3
120
240
360
480
600
1. (CC) gcc options: -lm -ldl -rdynamic -shared -lSDL2 -O2 -pipe -fomit-frame-pointer -std=gnu99 -fno-strict-aliasing -fwrapv -fvisibility=hidden -MMD -mfp


yquake2 7.45
Renderer: Software CPU - Resolution: 1920 x 1080
Frames Per Second, More Is Better
1
SE +/- 0.59, N = 3
108.0
2
SE +/- 0.40, N = 3
109.6
3
SE +/- 0.18, N = 3
109.1
4
SE +/- 0.42, N = 3
109.8
20
40
60
80
100
1. (CC) gcc options: -lm -ldl -rdynamic -shared -lSDL2 -O2 -pipe -fomit-frame-pointer -std=gnu99 -fno-strict-aliasing -fwrapv -fvisibility=hidden -MMD -mfp
Chia Blockchain VDF 1.0.1
Test: Square
IPS, More Is Better
1
SE +/- 608.28, N = 3
148500
2
SE +/- 260.34, N = 3
149267
3
SE +/- 600.93, N = 3
148367
4
SE +/- 513.16, N = 3
147700
30K
60K
90K
120K
150K
1. (CXX) g++ options: -flto -no-pie -lgmpxx -lgmp -lboost_system -pthread



This file was automatically generated via the Phoronix Test Suite benchmarking software on Friday, 29 March 2024 11:02.