



5.14.5 + Debian 10 Tests

Various open-source benchmarks by the Phoronix Test Suite v10.6.1.

Test Systems:

Intel HD 630

Processor: Intel Core i5-7440HQ @ 3.80GHz (4 Cores), Motherboard: Dell 00YYJC (1.19.2 BIOS), Chipset: Intel Xeon E3-1200 v6/7th, Memory: 16GB, Disk: Toshiba KXG50ZNV256G NVMe 256GB + 500GB Seagate ST500LM021-1KJ15, Graphics: Intel HD 630 3GB (1000MHz), Audio: Realtek Generic, Network: Intel I219-LM + Intel 8265 / 8275

OS: Debian 10, Kernel: 5.14.5 (x86_64), Desktop: KDE Plasma 5.14.5, Display Server: X Server 1.20.4, OpenGL: 4.5 Mesa 18.3.6, Compiler: GCC 8.3.0 + Clang 7.0.1-8+deb10u2, File-System: ext4, Screen Resolution: 1920x1080

Compiler Notes: --build=x86_64-linux-gnu --disable-vtable-verify --disable-werror --enable-bootstrap --enable-checking=release --enable-clocale=glibc --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: intel_pstate powersave - CPU Microcode: 0xea

Python Notes: Python 2.7.16 + Python 3.7.3

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Security Notes: itlb_multihit: vulnerable + 11tf: Mitigation of PTE Inversion + mds: Mitigation of Clear buffers; SMT disabled + meltdown: Mitigation of PTI + spec_store_bypass: Mitigation of SSB disabled via prctl and seccomp + spectre_v1: Mitigation of usercopy/swaps barriers and __user pointer sanitization + spectre_v2: Mitigation of Full generic retpoline IBPB: conditional IBRS_FW STIBP: disabled RSB filling + srbds: Mitigation of Microcode + tsx_async_abort: Mitigation of TSX disabled

Intel HD 630	
GpuTest - Furmark - 800 x 600 - Windowed (Points)	1334
Standard Deviation	0.3%
GpuTest - Furmark - 800 x 600 - Fullscreen (Points)	612
NCNN - CPU - mobilenet (ms)	27.70
Standard Deviation	0.2%
NCNN - CPU-v2-v2 - mobilenet-v2 (ms)	6.97
Standard Deviation	0.4%
NCNN - CPU-v3-v3 - mobilenet-v3 (ms)	6.17
Standard Deviation	0.2%
NCNN - CPU - shufflenet-v2 (ms)	5.30
Standard Deviation	0.3%
NCNN - CPU - mnasnet (ms)	6.01
Standard Deviation	0.3%
NCNN - CPU - efficientnet-b0 (ms)	10.21
Standard Deviation	0.1%
NCNN - CPU - blazeface (ms)	1.84
Standard Deviation	0.3%
NCNN - CPU - googlenet (ms)	22.72
Standard Deviation	0.8%
NCNN - CPU - vgg16 (ms)	98.77
Standard Deviation	0.3%
NCNN - CPU - resnet18 (ms)	25.00
Standard Deviation	0.3%
NCNN - CPU - alexnet (ms)	21.31
Standard Deviation	0.2%
NCNN - CPU - resnet50 (ms)	45.43
Standard Deviation	0.3%
NCNN - CPU - yolov4-tiny (ms)	40.45
Standard Deviation	0.3%
NCNN - CPU - squeezenet_ssd (ms)	43.73
Standard Deviation	0.2%
NCNN - CPU - regnety_400m (ms)	10.95
Standard Deviation	0.1%
Hierarchical INTegration - FLOAT (QUIPs)	376988617
Standard Deviation	0%

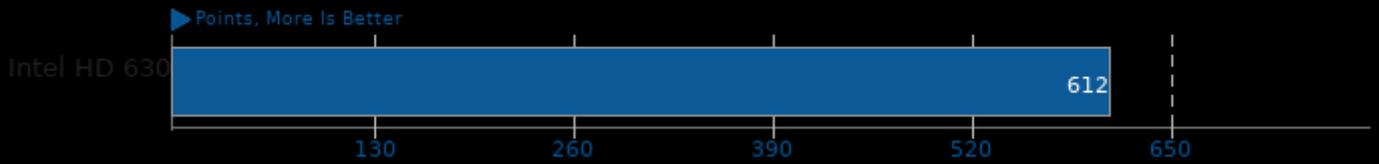
GpuTest 0.7.0

Test: Furmark - Resolution: 800 x 600 - Mode: Windowed



GpuTest 0.7.0

Test: Furmark - Resolution: 800 x 600 - Mode: Fullscreen



NCNN 20210720

Target: CPU - Model: mobilenet



1. (CXX) g++ options: -O3 -rdynamic -lgomp -lpthread -pthread

NCNN 20210720

Target: CPU-v2-v2 - Model: mobilenet-v2



1. (CXX) g++ options: -O3 -rdynamic -lgomp -lpthread -pthread

NCNN 20210720

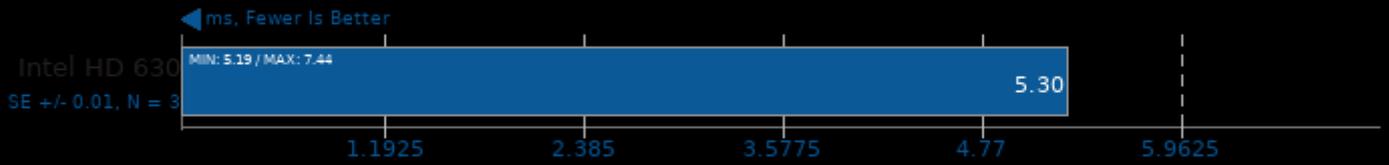
Target: CPU-v3-v3 - Model: mobilenet-v3



1. (CXX) g++ options: -O3 -rdynamic -lgomp -lpthread -pthread

NCNN 20210720

Target: CPU - Model: shufflenet-v2



1. (CXX) g++ options: -O3 -rdynamic -lgomp -lpthread -pthread

NCNN 20210720

Target: CPU - Model: mnasnet



1. (CXX) g++ options: -O3 -rdynamic -lgomp -lpthread -pthread

NCNN 20210720

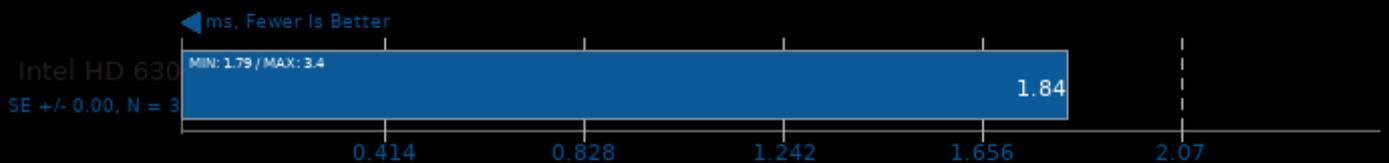
Target: CPU - Model: efficientnet-b0



1. (CXX) g++ options: -O3 -rdynamic -lgomp -lpthread -pthread

NCNN 20210720

Target: CPU - Model: blazeface



1. (CXX) g++ options: -O3 -rdynamic -lgomp -lpthread -pthread

NCNN 20210720

Target: CPU - Model: googlenet



1. (CXX) g++ options: -O3 -rdynamic -lgomp -lpthread -pthread

NCNN 20210720

Target: CPU - Model: vgg16



1. (CXX) g++ options: -O3 -rdynamic -lgomp -lpthread -pthread

NCNN 20210720

Target: CPU - Model: resnet18



1. (CXX) g++ options: -O3 -rdynamic -lgomp -lpthread -pthread

NCNN 20210720

Target: CPU - Model: alexnet



1. (CXX) g++ options: -O3 -rdynamic -lgomp -lpthread -pthread

NCNN 20210720

Target: CPU - Model: resnet50



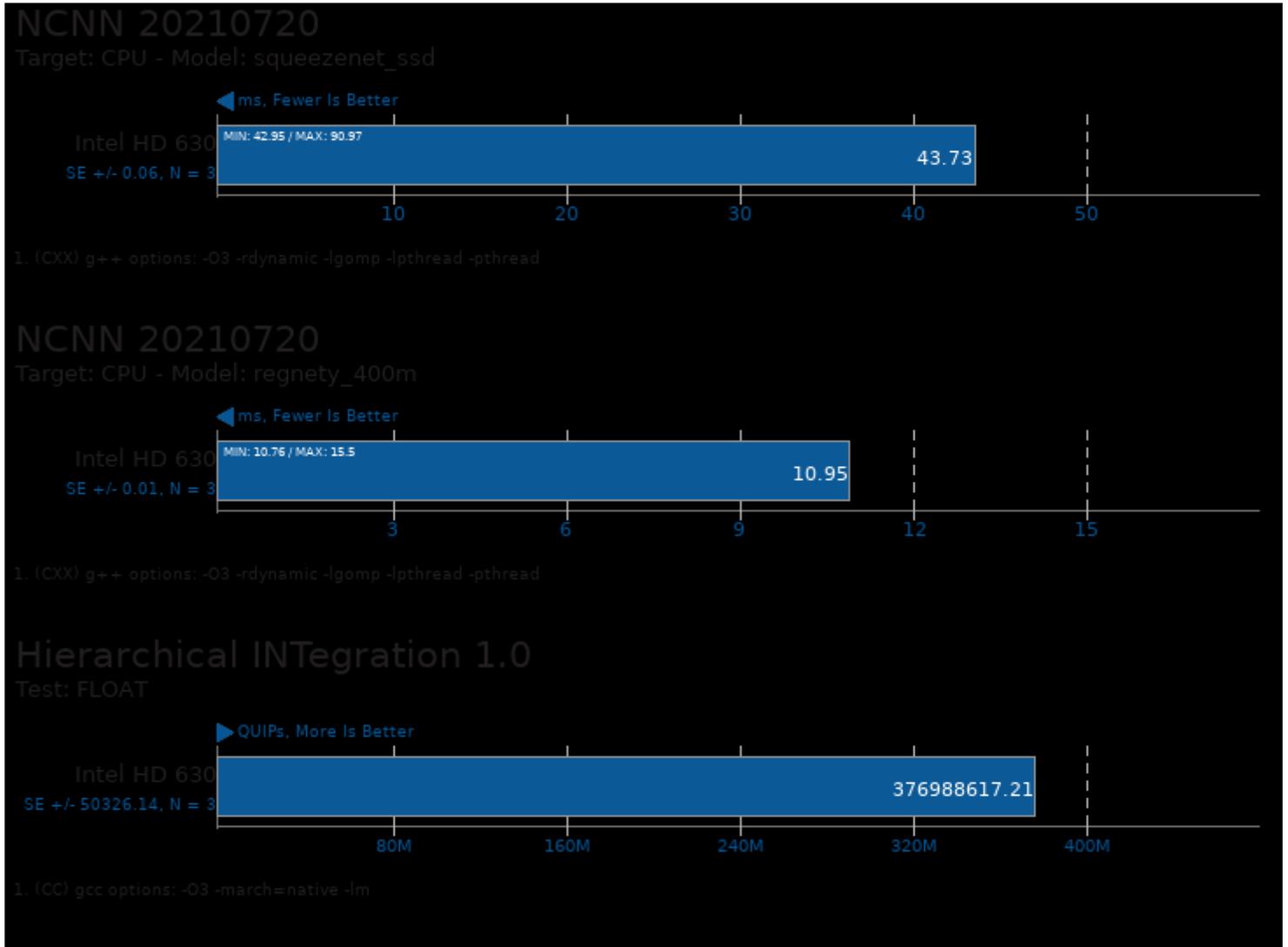
1. (CXX) g++ options: -O3 -rdynamic -lgomp -lpthread -pthread

NCNN 20210720

Target: CPU - Model: yolov4-tiny



1. (CXX) g++ options: -O3 -rdynamic -lgomp -lpthread -pthread



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