

www.phoronix-test-suite.com

jetson-bench

ARMv8 Cortex-A57 testing with a NVIDIA Jetson Nano 2GB Developer Kit and NVIDIA TEGRA on Ubuntu 18.04 via the Phoronix Test Suite.

Test Systems:

ARMv8 Cortex-A57

Ubuntu 18.04

Processor: ARMv8 Cortex-A57 @ 1.48GHz (4 Cores), Motherboard: NVIDIA Jetson Nano 2GB Developer Kit, Memory: 2048MB, Disk: 32GB SE32G, Graphics: NVIDIA TEGRA, Network: Realtek RTL8111/8168/8411

OS: Ubuntu 18.04, Kernel: 4.9.253-tegra (aarch64), Display Server: X Server 1.19.6, Vulkan: 1.2.131, Compiler: GCC 7.5.0 + CUDA 10.2, File-System: ext4, Screen Resolution: 4096x2160

Kernel Notes: Transparent Huge Pages: always
Compiler Notes: --build=aarch64-linux-gnu --disable-libquadmath --disable-libquadmath-support --disable-werror --enable-bootstrap --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-fix-cortex-a53-843419 --enable-gnu-unique-object --enable-languages=c,ada,c++,go,d,fortran,objc,obj-c++

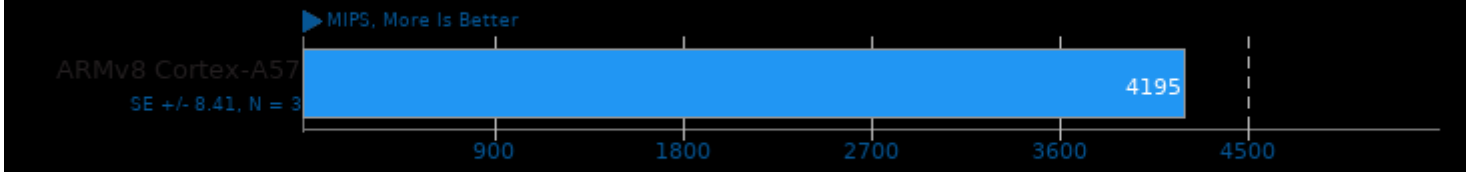
jetson-bench

--enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-nls --enable-plugin --enable-shared --enable-threads=posix --host=aarch64-linux-gnu --program-prefix=aarch64-linux-gnu- --target=aarch64-linux-gnu --with-default-libstdcxx-abi=new --with-gcc-major-version-only -v
Processor Notes: Scaling Governor: tegra-cpufreq schedutil

	ARMv8 Cortex-A57	Ubuntu 18.04
7-Zip Compression - C.S.T (MIPS)	4195	
Standard Deviation	0.3%	
asmFish - 1.H.M.2.D (Nodes/s)	2389867	
Standard Deviation	2.3%	
FFmpeg - H.2.H.T.N.D (sec)	42.674	
Standard Deviation	1.3%	
OpenSSL - R.4.b.P (Signs/sec)	92.8	
Standard Deviation	0.2%	
perf-bench - Epoll Wait (ops/sec)		163400
Standard Deviation		0.1%
perf-bench - Futex Hash (ops/sec)		882849
Standard Deviation		0.1%
perf-bench - Memcpy 1MB (GB/sec)		6.685479
Standard Deviation		3.3%
perf-bench - Memset 1MB (GB/sec)		8.638032
Standard Deviation		0.2%
perf-bench - Sched Pipe (ops/sec)		53870
Standard Deviation		1.9%
perf-bench - Futex Lock-Pi (ops/sec)		3404
Standard Deviation		1.5%
perf-bench - Syscall Basic (ops/sec)		1984832
Standard Deviation		0.9%
Sysbench - CPU (Events/sec)	4802	
Standard Deviation	0%	
x264 - H.2.V.E (FPS)	5.16	
Standard Deviation	0.2%	

7-Zip Compression 16.02

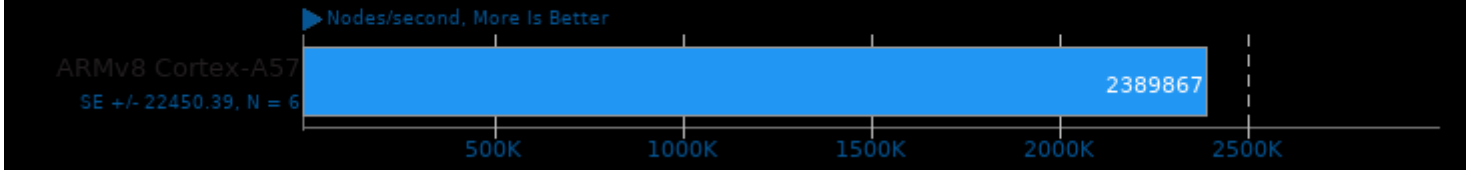
Compress Speed Test



1. (CXX) g++ options: -pipe -lpthread

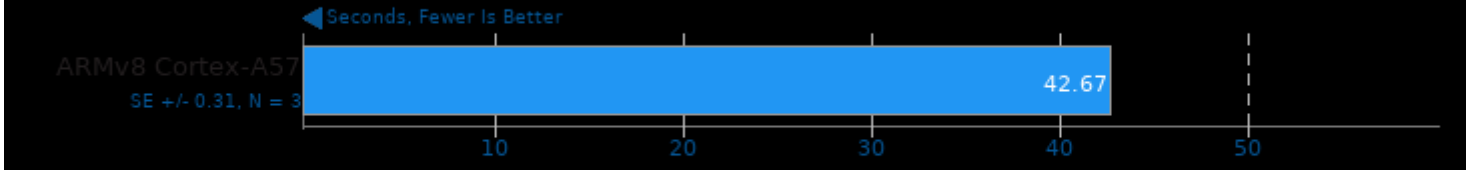
asmFish 2018-07-23

1024 Hash Memory, 26 Depth



FFmpeg 4.0.2

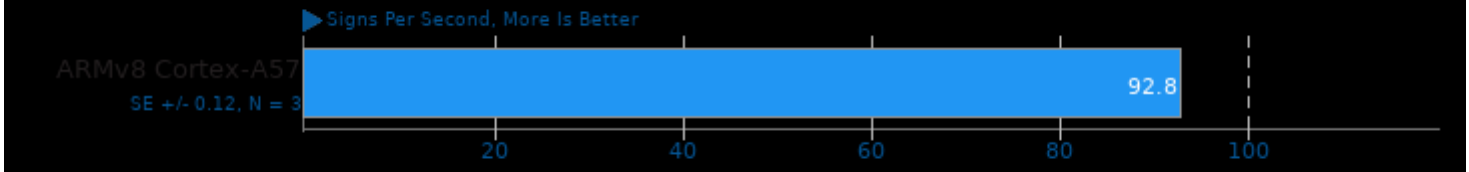
H.264 HD To NTSC DV



1. (CC) gcc options: -lavdevice -lavfilter -lavformat -lavcodec -lswresample -lswscale -lavutil -lm -lxcb -lxcb-shape -lxcb-xfixes -lasound -pthread -std=c11

OpenSSL 1.1.1

RSA 4096-bit Performance



1. (CC) gcc options: -pthread -O3 -lssl -lcrypto -ldl

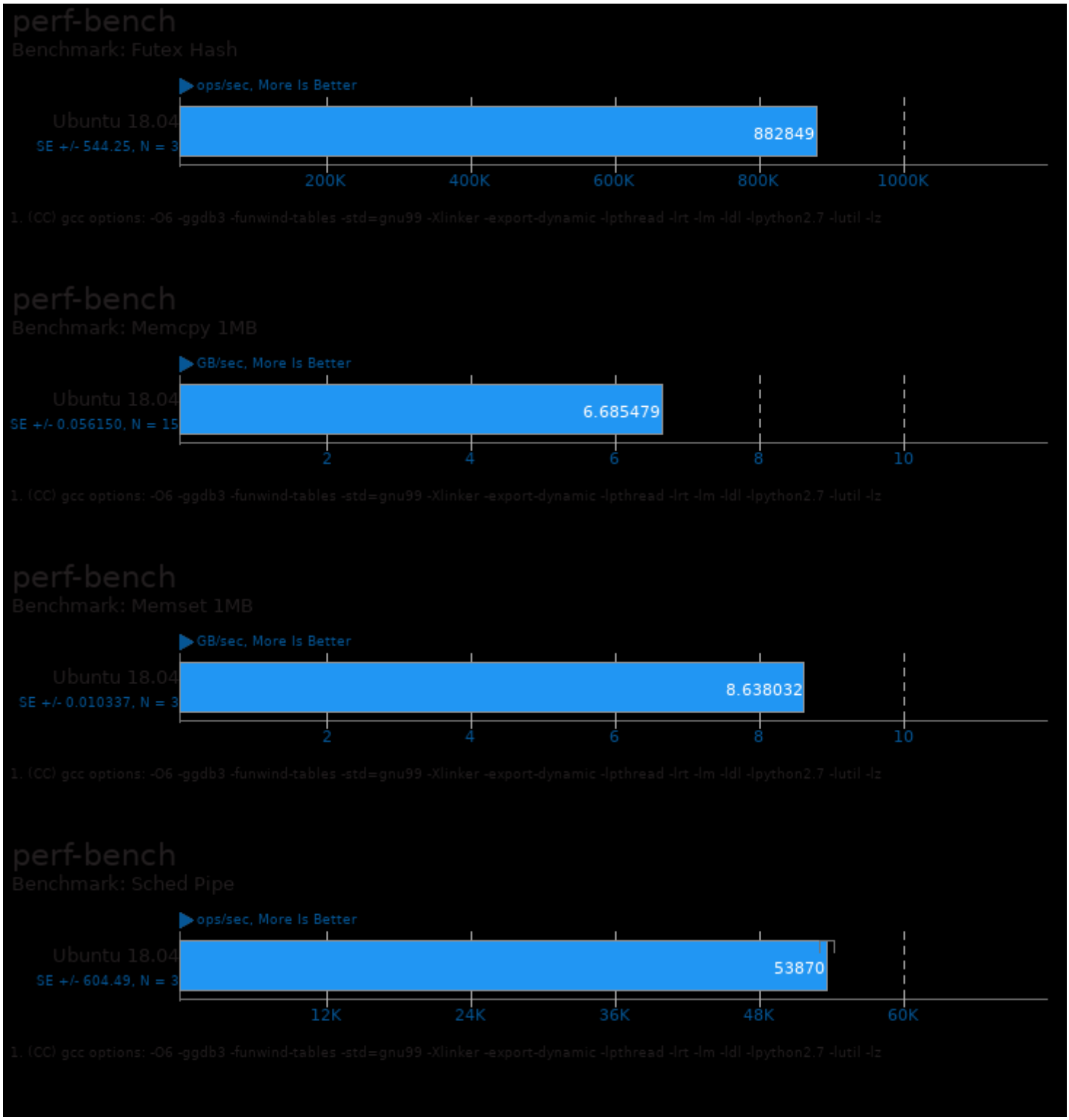
perf-bench

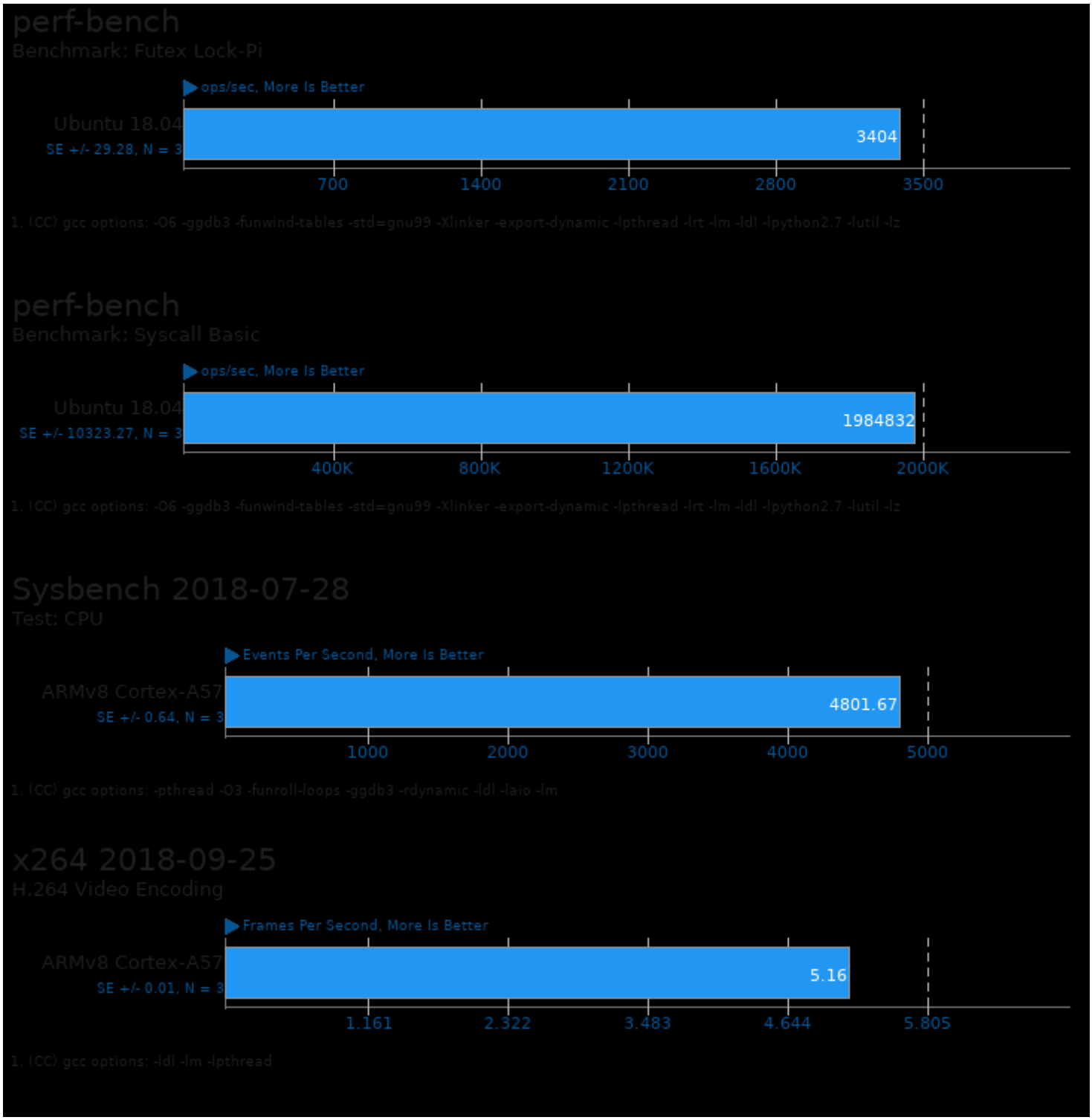
Benchmark: Epoll Wait



1. (CC) gcc options: -O6 -ggdb3 -funwind-tables -std=gnu99 -Xlinker -export-dynamic -lpthread -lrt -lm -ldl -lpython2.7 -lutil -lz

jetson-bench





This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 06:16.