



## EPYC 7601 perfing

AMD EPYC 7601 32-Core testing with a TYAN B8026T70AE24HR (V1.02.B10 BIOS) and Ilvmpipe 126GB on Ubuntu 19.04 via the Phoronix Test Suite.

### Test Systems:

#### AMD EPYC 7601 32-Core

Processor: AMD EPYC 7601 32-Core @ 2.20GHz (32 Cores / 64 Threads), Motherboard: TYAN B8026T70AE24HR (V1.02.B10 BIOS), Chipset: AMD 17h, Memory: 126GB, Disk: 280GB INTEL SSDPE21D280GA, Graphics: Ilvmpipe 126GB, Monitor: VE228, Network: 2 x Broadcom NetXtreme BCM5720 PCIe

OS: Ubuntu 19.04, Kernel: 5.5.0-rc7-phx-k10temp6 (x86\_64) 20200123, Desktop: GNOME Shell 3.32.2, Display Server: X Server 1.20.4, Display Driver: modesetting 1.20.4, OpenGL: 3.3 Mesa 19.0.8 (LLVM 8.0 128 bits), Compiler: GCC 8.3.0, 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=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 - CPU Microcode: 0x8001227  
Python Notes: Python 2.7.16 + Python 3.7.3  
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/swaps barriers and \_\_user pointer sanitization + spectre\_v2: Mitigation of Full AMD retpoline IBPB: conditional STIBP:  
disabled RSB filling + tsx\_async\_abort: Not affected

## AMD EPYC 7601 32-Core

**dav1d - Chimera 1080p (FPS)** 313.78  
Standard Deviation 1.1%

**dav1d - Summer Nature 4K (FPS)** 152.88  
Standard Deviation 0.4%

**dav1d - S.N.1 (FPS)** 359.49  
Standard Deviation 0.6%

**dav1d - C.1.1.b (FPS)** 61.17  
Standard Deviation 0.2%

**Numpy Benchmark (Score)** 255.25  
Standard Deviation 0.7%

**Inkscape - SVG Files To PNG (sec)** 43.177  
Standard Deviation 0.7%

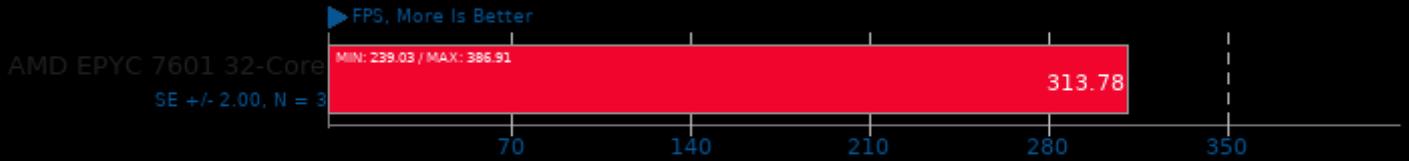
**librsvg - SVG Files To PNG (sec)** 37.592  
Standard Deviation 2%

**Mlpack Benchmark - scikit\_svm (sec)** 15.57  
Standard Deviation 0.1%

**Scikit-Learn (sec)** 12.571  
Standard Deviation 5.6%

## dav1d Git

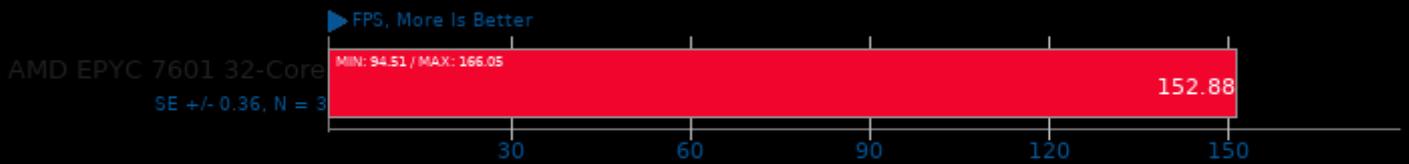
Video Input: Chimera 1080p



1. (CC) gcc options: -pthread  
2. e79e5ce

## dav1d Git

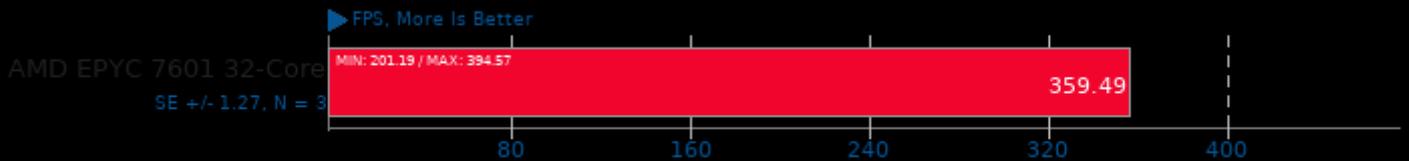
Video Input: Summer Nature 4K



1. (CC) gcc options: -pthread  
2. e79e5ce

## dav1d Git

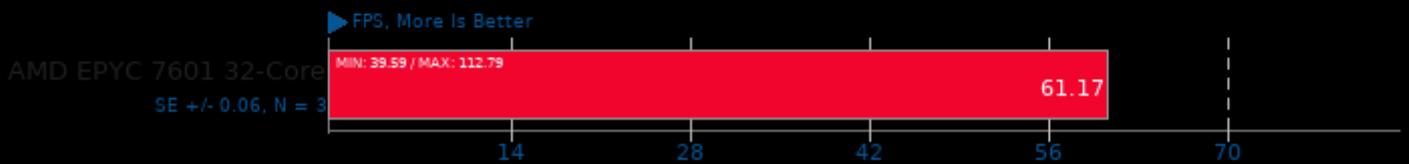
Video Input: Summer Nature 1080p



1. (CC) gcc options: -pthread  
2. e79e5ce

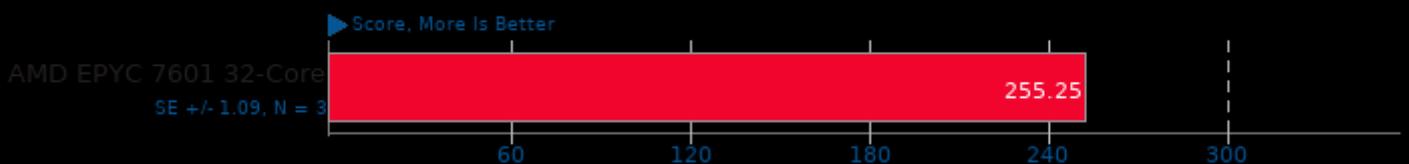
## dav1d Git

Video Input: Chimera 1080p 10-bit



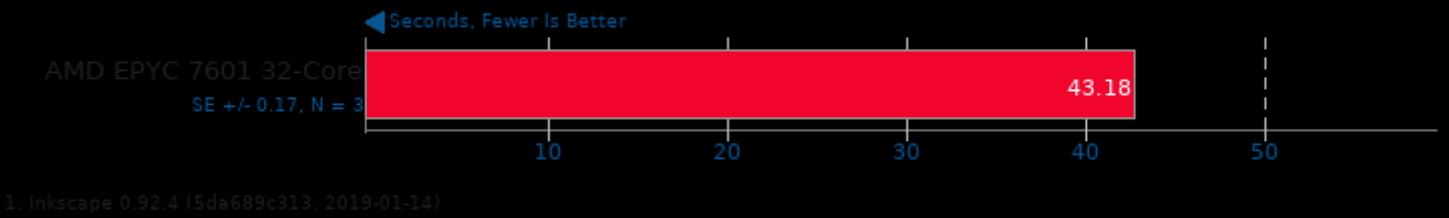
1. (CC) gcc options: -pthread  
2. e79e5ce

## Numpy Benchmark



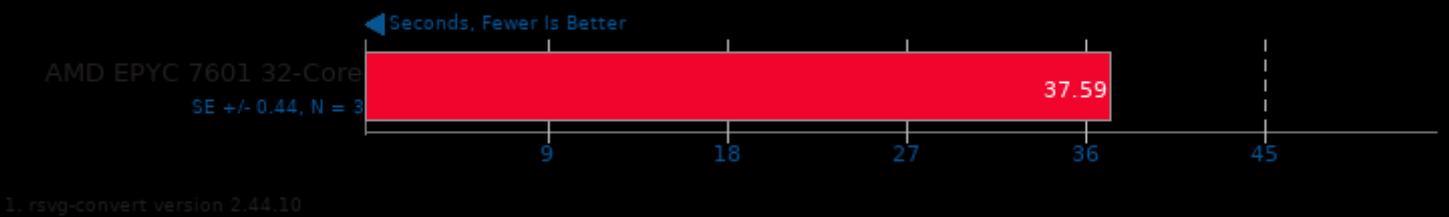
## Inkscape

Operation: SVG Files To PNG



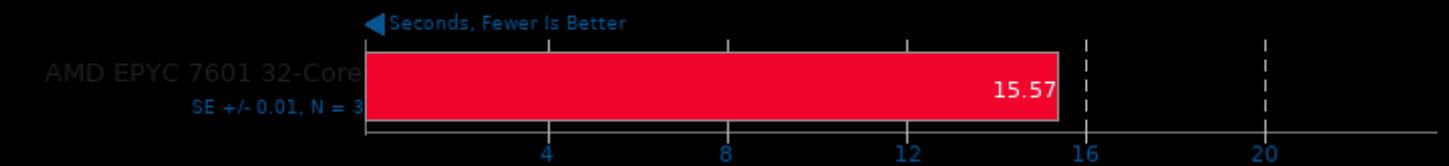
## librsvg

Operation: SVG Files To PNG

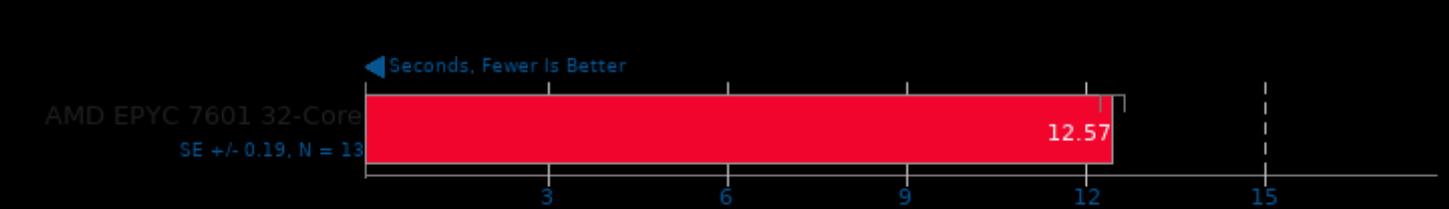


## Mlpack Benchmark

Benchmark: scikit\_svm



## Scikit-Learn 0.22.1



This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 11:34.