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## 2700 august

AMD Ryzen 7 2700 Eight-Core testing with a Gigabyte AB350N-Gaming WIFI-CF (F20 BIOS) and HIS AMD Radeon HD 6450/7450/8450 / R5 230 OEM 1GB on Ubuntu 19.10 via the Phoronix Test Suite.

### Automated Executive Summary

1 had the most wins, coming in first place for 44% of the tests.

Based on the geometric mean of all complete results, the fastest (1) was 1x the speed of the slowest (1). 3 was 1x the speed of 4, 2 was 1x the speed of 3, 1 was 1x the speed of 2.

The results with the greatest spread from best to worst included:

NCNN (Target: CPU - Model: blazeface) at 1.249x

Timed Linux Kernel Compilation (Time To Compile) at 1.149x

Renaissance (Test: Scala Dotty) at 1.108x

Mobile Neural Network (Model: mobilenetV3) at 1.09x

NCNN (Target: CPU - Model: googlenet) at 1.079x

NCNN (Target: CPU-v2-v2 - Model: mobilenet-v2) at 1.07x

NCNN (Target: CPU - Model: resnet18) at 1.063x

Renaissance (Test: Apache Spark PageRank) at 1.058x

NCNN (Target: CPU - Model: mnasnet) at 1.057x

Renaissance (Test: Apache Spark Bayes) at 1.056x.

## Test Systems:

1

2

3

4

Processor: AMD Ryzen 7 2700 Eight-Core @ 3.20GHz (8 Cores / 16 Threads), Motherboard: Gigabyte AB350N-Gaming WIFI-CF (F20 BIOS), Chipset: AMD 17h, Memory: 16GB, Disk: 120GB ADATA SU700, Graphics: HIS AMD Radeon HD 6450/7450/8450 / R5 230 OEM 1GB, Audio: AMD Caicos HDMI Audio, Monitor: DELL S2409W, Network: Realtek RTL8111/8168/8411 + Intel 3165

OS: Ubuntu 19.10, Kernel: 5.9.0-050900rc7daily20201004-generic (x86\_64) 20201003, Desktop: GNOME Shell 3.34.1, Display Server: X Server 1.20.5, OpenGL: 3.3 Mesa 19.2.8 (LLVM 9.0.0), Compiler: GCC 9.2.1 20191008, File-System: ext4, Screen Resolution: 1920x1080

Kernel Notes: Transparent Huge Pages: madvise  
 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,objc++-gm2 --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --enable-nls --enable-offload-targets=nvptx-none,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: acpi-cpufreq ondemand (Boost: Enabled) - CPU Microcode: 0x800820b  
 Java Notes: OpenJDK Runtime Environment (build 11.0.7+10-post-Ubuntu-2ubuntu219.10)  
 Python Notes: Python 2.7.17 + Python 3.7.5  
 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: disabled RSB filling + srbds: Not affected + tsx\_async\_abort: Not affected

|  | 1            | 2      | 3            | 4            |
|--|--------------|--------|--------------|--------------|
| <b>Quantum ESPRESSO - AUSURF112</b>      | 1359         | 1357   | <b>1361</b>  | <b>1355</b>  |
| (sec)                                    |              |        |              |              |
| Normalized                               | 99.76%       | 99.88% | 99.59%       | 100%         |
| Standard Deviation                       |              | 0.7%   | 0.8%         |              |
| <b>Renaissance - Scala Dotty (ms)</b>    | <b>1135</b>  | 1104   | <b>1025</b>  | 1042         |
| Normalized                               | 90.29%       | 92.81% | 100%         | 98.3%        |
| Standard Deviation                       |              | 5.6%   | 1.4%         |              |
| <b>Renaissance - Rand Forest (ms)</b>    | 973.3        | 958.1  | <b>957.0</b> | <b>974.2</b> |
| Normalized                               | 98.33%       | 99.89% | 100%         | 98.23%       |
| Standard Deviation                       |              | 1.3%   | 0.6%         |              |
| <b>Renaissance - ALS Movie Lens (ms)</b> | <b>10271</b> | 10283  | 10301        | <b>10395</b> |

|   |                    |                 |             |                |        |
|---|--------------------|-----------------|-------------|----------------|--------|
|   | Normalized         | 100%            | 99.88%      | 99.71%         | 98.81% |
|   | Standard Deviation |                 | 0.2%        | 0.7%           |        |
| <b>Renaissance - Apache Spark ALS</b>                         | 2796               | <b>2771</b>     | 2789        | <b>2817</b>    |        |
|   | Normalized         | 99.13%          | 100%        | 99.35%         | 98.38% |
|   | Standard Deviation |                 | 1%          | 2.1%           |        |
| <b>Renaissance - Apache Spark Bayes (ms)</b>                  | <b>2108</b>        | 2144            | 2224        | <b>2226</b>    |        |
|   | Normalized         | 100%            | 98.33%      | 94.81%         | 94.69% |
|   | Standard Deviation |                 | 1.3%        | 1.4%           |        |
| <b>Renaissance - Savina Reactors.IO</b>                       | 9914               | 9873            | <b>9865</b> | <b>10263</b>   |        |
|   | Normalized         | 99.5%           | 99.92%      | 100%           | 96.12% |
|   | Standard Deviation |                 | 5.1%        | 2.8%           |        |
| <b>Renaissance - A.S.P (ms)</b>                               | 4902               | <b>4711</b>     | 4738        | <b>4985</b>    |        |
|   | Normalized         | 96.1%           | 100%        | 99.43%         | 94.5%  |
|   | Standard Deviation |                 | 4.1%        | 5.8%           |        |
| <b>Renaissance - F.H.R (ms)</b>                               | <b>3083</b>        | <b>3116</b>     | 3115        | 3103           |        |
|   | Normalized         | 100%            | 98.94%      | 98.95%         | 99.35% |
|   | Standard Deviation |                 | 0.8%        | 0.4%           |        |
| <b>Renaissance - I.M.D.S (ms)</b>                             | 4652               | <b>5170</b>     | 5064        | <b>4630</b>    |        |
|   | Normalized         | 99.54%          | 89.55%      | 91.43%         | 100%   |
|   | Standard Deviation |                 | 4.1%        | 6.1%           |        |
| <b>Renaissance - A.U.C.T (ms)</b>                             | 14253              | <b>14242</b>    | 14387       | <b>14528</b>   |        |
|   | Normalized         | 99.92%          | 100%        | 98.99%         | 98.03% |
|   | Standard Deviation |                 | 0.3%        | 2.8%           |        |
| <b>Renaissance - G.A.U.J.F (ms)</b>                           | 2961               | <b>2923</b>     | 3008        | <b>3045</b>    |        |
|   | Normalized         | 98.7%           | 100%        | 97.17%         | 95.99% |
|   | Standard Deviation |                 | 0.9%        | 2.3%           |        |
| <b>dav1d - Chimera 1080p (FPS)</b>                            | <b>374.41</b>      | 373.99          |             | <b>372.16</b>  |        |
|   | Normalized         | 100%            | 99.89%      |                | 99.4%  |
|   | Standard Deviation |                 | 0.3%        |                |        |
| <b>dav1d - Summer Nature 4K (FPS)</b>                         | <b>116.7</b>       | 116.56          |             | <b>115.87</b>  |        |
|   | Normalized         | 100%            | 99.88%      |                | 99.29% |
|   | Standard Deviation |                 | 0.1%        |                |        |
| <b>dav1d - S.N.1 (FPS)</b>                                    | <b>339.46</b>      | 338.14          |             | <b>337.46</b>  |        |
|   | Normalized         | 100%            | 99.61%      |                | 99.41% |
|   | Standard Deviation |                 | 0.4%        |                |        |
| <b>dav1d - C.1.1.b (FPS)</b>                                  | <b>255.3</b>       | 253.68          |             | <b>251.08</b>  |        |
|   | Normalized         | 100%            | 99.37%      |                | 98.35% |
|   | Standard Deviation |                 | 0.1%        |                |        |
| <b>OpenVKL - vklBenchmark ISPC (Items / Sec)</b>              | 33                 | 33              |             | 33             |        |
|   | / Sec)             |                 |             |                |        |
| <b>OpenVKL - v.S (Items / Sec)</b>                            | 18                 | 18              |             | 18             |        |
| <b>Timed GCC Compilation - Time To Compile (sec)</b>          | <b>1611</b>        | <b>1668</b>     |             | 1657           |        |
|   | Normalized         | 100%            | 96.59%      |                | 97.25% |
|   | Standard Deviation |                 | 0.1%        |                |        |
| <b>Timed Linux Kernel Compilation - Time To Compile (sec)</b> | 128.752            | <b>116.801</b>  |             | <b>134.247</b> |        |
|   | Normalized         | 90.72%          | 100%        |                | 87%    |
|   | Standard Deviation |                 | 2.8%        |                |        |
| <b>YafaRay - T.T.F.S.S (sec)</b>                              | 193.765            | <b>194.625</b>  |             | <b>192.901</b> |        |
|   | Normalized         | 99.55%          | 99.11%      |                | 100%   |
|   | Standard Deviation |                 | 0.4%        |                |        |
| <b>Tachyon - Total Time (sec)</b>                             | <b>122.3051</b>    | <b>122.6522</b> |             | 122.5364       |        |

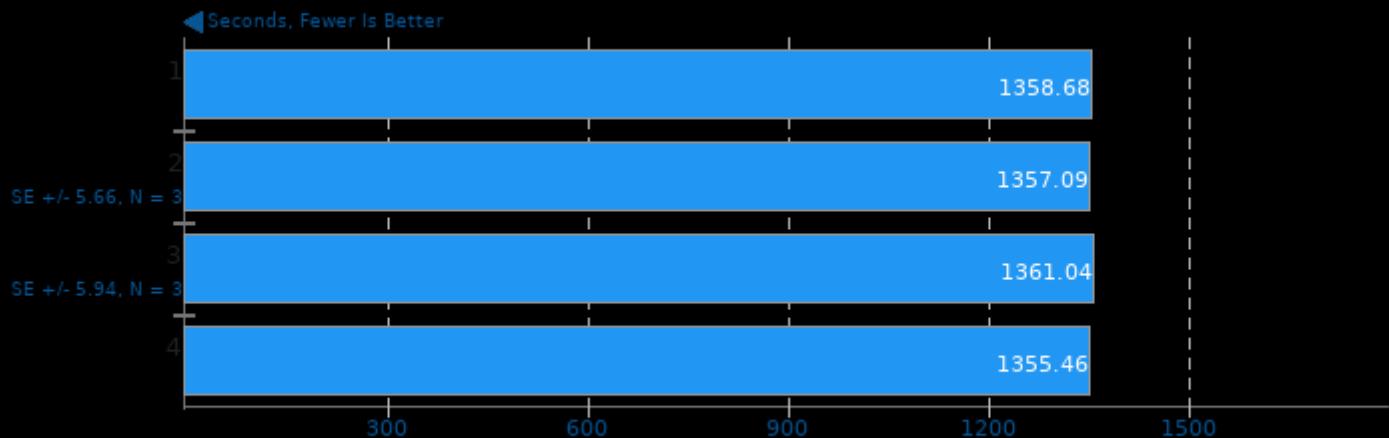
|  |                    |                |        |                |
|--|--------------------|----------------|--------|----------------|
|  | Normalized         | 100%           | 99.72% | 99.81%         |
|  | Standard Deviation |                | 0.1%   |                |
| <b>Google SynthMark - VoiceMark_100 (Voices)</b>     | 585.342            | <b>587.881</b> |        | <b>582.897</b> |
|  | Normalized         | 99.57%         | 100%   | 99.15%         |
|  | Standard Deviation |                | 0.3%   |                |
| <b>KeyDB (Ops/sec)</b>                               | 444494             | <b>444194</b>  |        | <b>449476</b>  |
|  | Normalized         | 98.89%         | 98.82% | 100%           |
|  | Standard Deviation |                | 0.7%   |                |
| <b>Mobile Neural Network - mobilenetV3 (ms)</b>      | <b>3.489</b>       | 3.630          |        | <b>3.803</b>   |
|  | Normalized         | 100%           | 96.12% | 91.74%         |
|  | Standard Deviation |                | 2.9%   |                |
| <b>Mobile Neural Network - squeezenetv1.1 (ms)</b>   | <b>7</b>           | 7.295          |        | <b>7.364</b>   |
|  | Normalized         | 100%           | 95.96% | 95.06%         |
|  | Standard Deviation |                | 2.6%   |                |
| <b>Mobile Neural Network - resnet-v2-50 (ms)</b>     | <b>46.02</b>       | 46.479         |        | <b>46.511</b>  |
|  | Normalized         | 100%           | 99.01% | 98.94%         |
|  | Standard Deviation |                | 0.9%   |                |
| <b>Mobile Neural Network - SqueezeNetV1.0 (ms)</b>   | <b>11.001</b>      | 11.343         |        | <b>11.493</b>  |
|  | Normalized         | 100%           | 96.98% | 95.72%         |
|  | Standard Deviation |                | 1.9%   |                |
| <b>Mobile Neural Network - MobileNetV2_224 (ms)</b>  | <b>5.749</b>       | 5.924          |        | <b>6.055</b>   |
|  | Normalized         | 100%           | 97.05% | 94.95%         |
|  | Standard Deviation |                | 1.4%   |                |
| <b>Mobile Neural Network - mobilenet-v1-1.0 (ms)</b> | <b>5.048</b>       | 5.050          |        | <b>5.136</b>   |
|  | Normalized         | 100%           | 99.96% | 98.29%         |
|  | Standard Deviation |                | 0.7%   |                |
| <b>Mobile Neural Network - inception-v3 (ms)</b>     | <b>64.899</b>      | <b>66.107</b>  | 66.027 |                |
|  | Normalized         | 100%           | 98.17% | 98.29%         |
|  | Standard Deviation |                | 2.7%   |                |
| <b>NCNN - CPU - mobilenet (ms)</b>                   | <b>28.01</b>       | <b>27.53</b>   | 27.68  |                |
|  | Normalized         | 98.29%         | 100%   | 99.46%         |
|  | Standard Deviation |                | 0.9%   |                |
| <b>NCNN - CPU-v2-v2 - mobilenet-v2 (ms)</b>          | 8.92               | <b>8.80</b>    |        | <b>9.42</b>    |
|  | Normalized         | 98.65%         | 100%   | 93.42%         |
|  | Standard Deviation |                | 1.4%   |                |
| <b>NCNN - CPU-v3-v3 - mobilenet-v3 (ms)</b>          | <b>7.57</b>        | <b>7.57</b>    |        | <b>7.63</b>    |
|  | Normalized         | 100%           | 100%   | 99.21%         |
|  | Standard Deviation |                | 3%     |                |
| <b>NCNN - CPU - shufflenet-v2 (ms)</b>               | <b>6.81</b>        | <b>6.77</b>    |        | <b>6.77</b>    |
|  | Normalized         | 99.41%         | 100%   | 100%           |
|  | Standard Deviation |                | 1.7%   |                |
| <b>NCNN - CPU - mnasnet (ms)</b>                     | <b>8.01</b>        | 7.73           |        | <b>7.58</b>    |
|  | Normalized         | 94.63%         | 98.06% | 100%           |
|  | Standard Deviation |                | 2.8%   |                |
| <b>NCNN - CPU - efficientnet-b0 (ms)</b>             | <b>11.76</b>       | <b>11.38</b>   | 11.43  |                |
|  | Normalized         | 96.77%         | 100%   | 99.56%         |

|                                   |                |              |
|-----------------------------------|----------------|--------------|
| Standard Deviation                | 2.2%           |              |
| NCNN - CPU - blazeface (ms)       | <b>3.31</b>    | <b>2.65</b>  |
| Normalized                        | 80.06%         | 100%         |
| Standard Deviation                | 0.4%           |              |
| NCNN - CPU - googlenet (ms)       | <b>23.23</b>   | <b>21.52</b> |
| Normalized                        | 92.64%         | 100%         |
| Standard Deviation                | 2.3%           |              |
| NCNN - CPU - vgg16 (ms)           | 73.29          | <b>74.49</b> |
| Normalized                        | 99.65%         | 98.04%       |
| Standard Deviation                | 0.6%           |              |
| NCNN - CPU - resnet18 (ms)        | 19.55          | <b>18.95</b> |
| Normalized                        | 96.93%         | 100%         |
| Standard Deviation                | 5.1%           |              |
| NCNN - CPU - alexnet (ms)         | <b>14.53</b>   | <b>14.56</b> |
| Normalized                        | 100%           | 99.79%       |
| Standard Deviation                | 0.1%           |              |
| NCNN - CPU - resnet50 (ms)        | <b>38.28</b>   | <b>39.56</b> |
| Normalized                        | 100%           | 96.76%       |
| Standard Deviation                | 2.2%           |              |
| NCNN - CPU - yolov4-tiny (ms)     | <b>41.36</b>   | 41.26        |
| Normalized                        | 98.11%         | 98.35%       |
| Standard Deviation                | 1%             |              |
| NCNN - CPU - squeezenet_ssd (ms)  | 31.14          | <b>31.12</b> |
| Normalized                        | 99.94%         | 100%         |
| Standard Deviation                | 0.4%           |              |
| NCNN - CPU - regnety_400m (ms)    | <b>17.7</b>    | <b>17.39</b> |
| Normalized                        | 98.25%         | 100%         |
| Standard Deviation                | 0.5%           |              |
| TNN - CPU - DenseNet (ms)         | <b>3657</b>    | <b>3652</b>  |
| Normalized                        | 99.85%         | 100%         |
| Standard Deviation                | 0.1%           |              |
| TNN - CPU - MobileNet v2 (ms)     | <b>326.187</b> | 324.562      |
| Normalized                        | 99.45%         | 99.95%       |
| Standard Deviation                | 0.4%           |              |
| TNN - CPU - SqueezeNet v2 (ms)    | <b>74.019</b>  | 73.616       |
| Normalized                        | 99.03%         | 99.57%       |
| Standard Deviation                | 0.4%           |              |
| TNN - CPU - SqueezeNet v1.1 (ms)  | <b>269.117</b> | 269.457      |
| Normalized                        | 100%           | 99.87%       |
| Standard Deviation                | 0.1%           |              |
| ONNX Runtime - yolov4 - OpenMP    | 205            | 205          |
| CPU (Inferences/min)              |                |              |
| Standard Deviation                | 0.1%           |              |
| ONNX Runtime - bertsquad-10 -     | <b>310</b>     | <b>310</b>   |
| OpenMP CPU (Inferences/min)       |                |              |
| Normalized                        | 99.68%         | 99.68%       |
| Standard Deviation                | 0.3%           |              |
| ONNX Runtime - fcn-resnet101-11 - | 39             | 39           |
| OpenMP CPU (Inferences/min)       |                |              |
| Standard Deviation                | 0%             |              |
| ONNX Runtime - shufflenet-v2-10 - | <b>13615</b>   | <b>13784</b> |
| OpenMP CPU (Inferences/min)       |                |              |
| Normalized                        | 98.77%         | 100%         |
| Standard Deviation                | 0.6%           |              |

| ONNX Runtime - super-resolution-10 - | 2314   | 2347 | 2324   |
|--------------------------------------|--------|------|--------|
| <b>OpenMP CPU (Inferences/min)</b>   |        |      |        |
| Normalized                           | 98.59% | 100% | 99.02% |
| Standard Deviation                   | 0.3%   | 2.1  | 2.1    |
| <b>Natron - Spaceship (FPS)</b>      |        |      |        |
| Normalized                           | 98.59% | 100% | 99.02% |
| Standard Deviation                   | 0.3%   | 2.1  | 2.1    |

## Quantum ESPRESSO 6.8

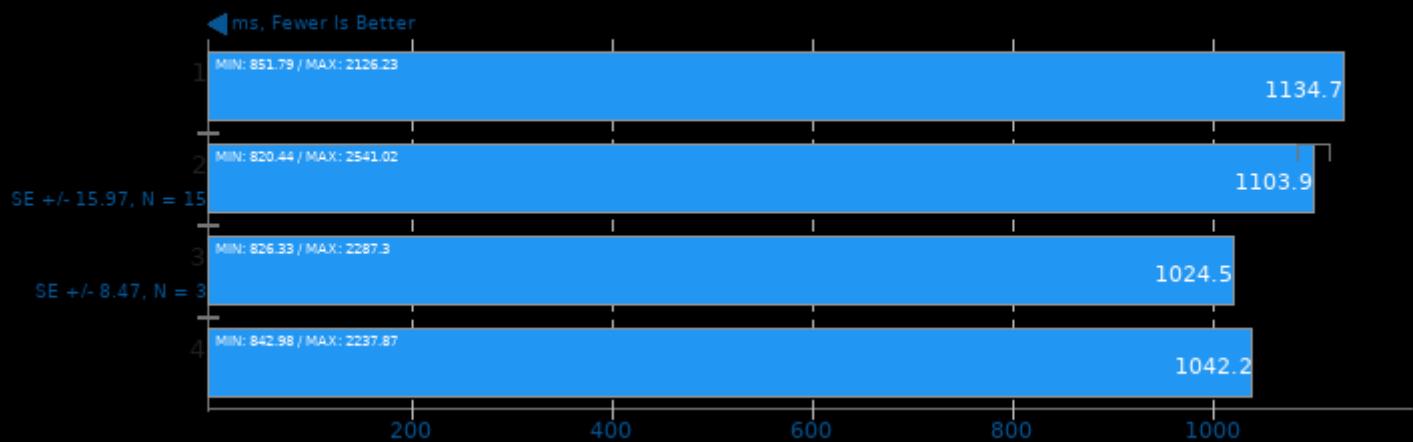
Input: AUSURF112



1. (F9X) gfortran options: -IdevXlib -lopenblas -lFoX\_dom -lFoX\_sax -lFoX\_wxml -lFoX\_common -lFoX\_utils -lFoX\_fsys -fftw3 -pthread -lmpi\_usempif08 -lmp

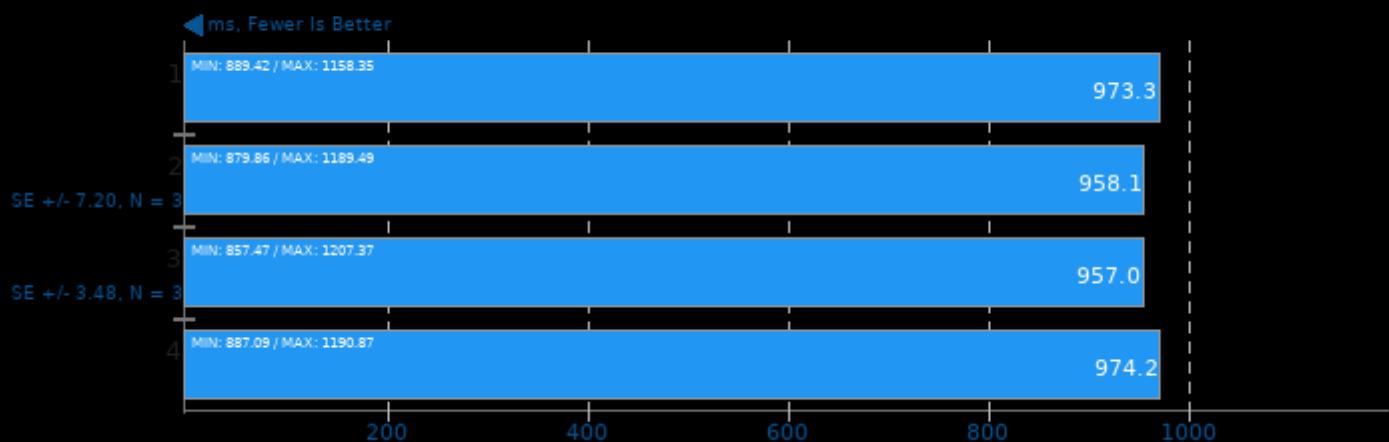
## Renaissance 0.12

Test: Scala Dotty



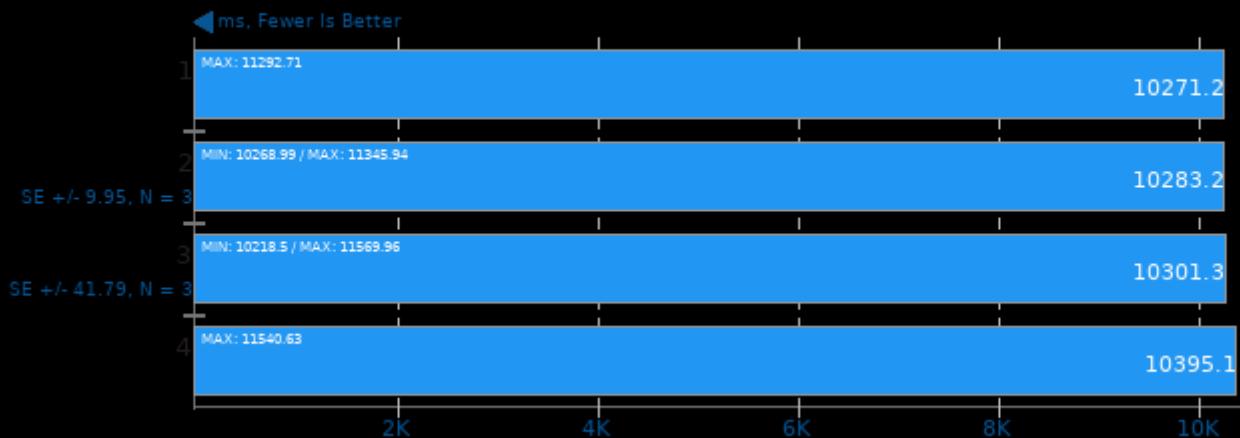
## Renaissance 0.12

Test: Random Forest



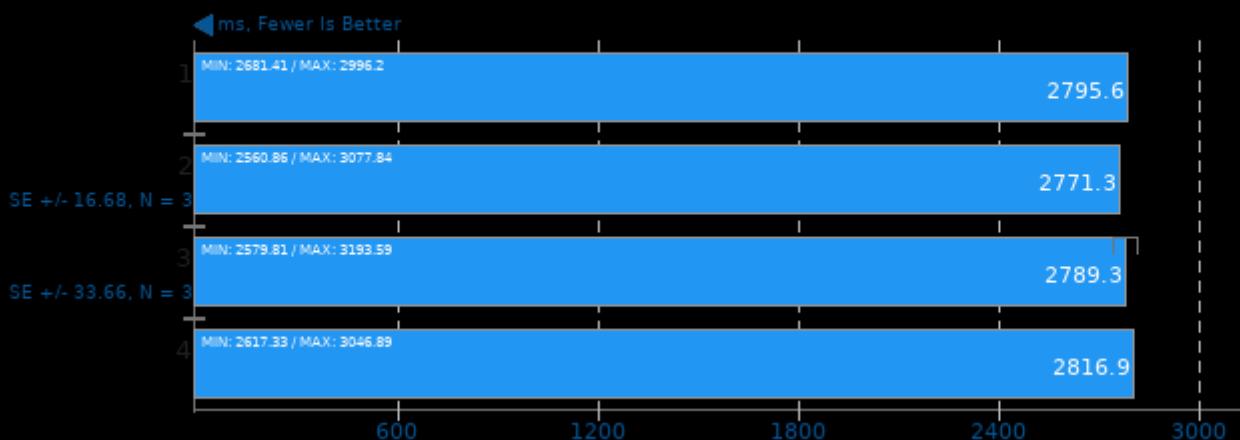
## Renaissance 0.12

Test: ALS Movie Lens



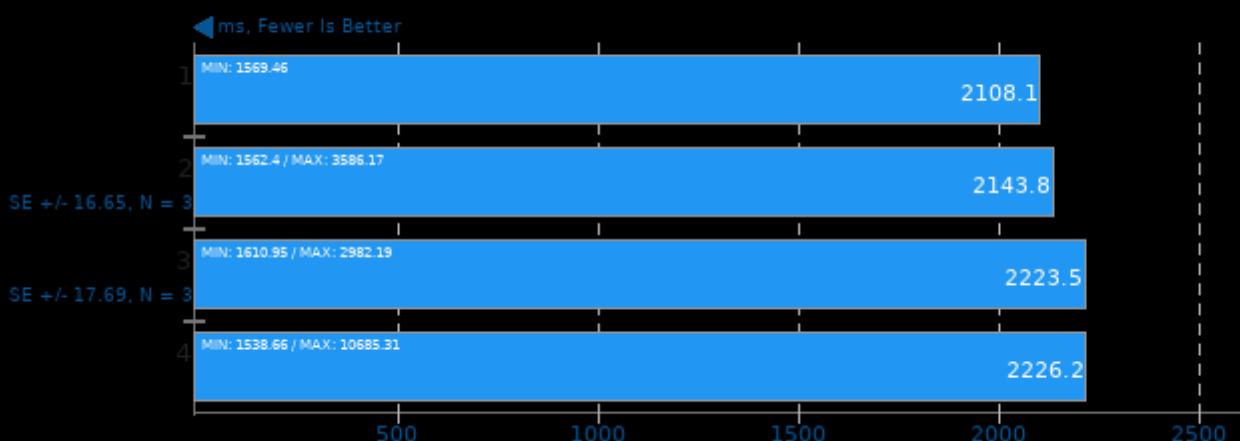
## Renaissance 0.12

Test: Apache Spark ALS



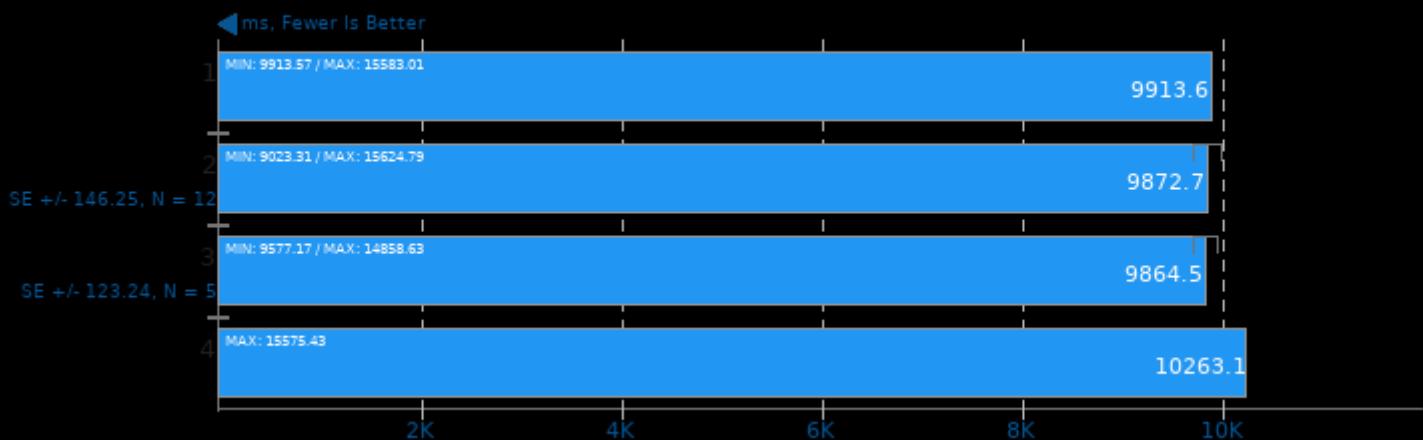
## Renaissance 0.12

Test: Apache Spark Bayes



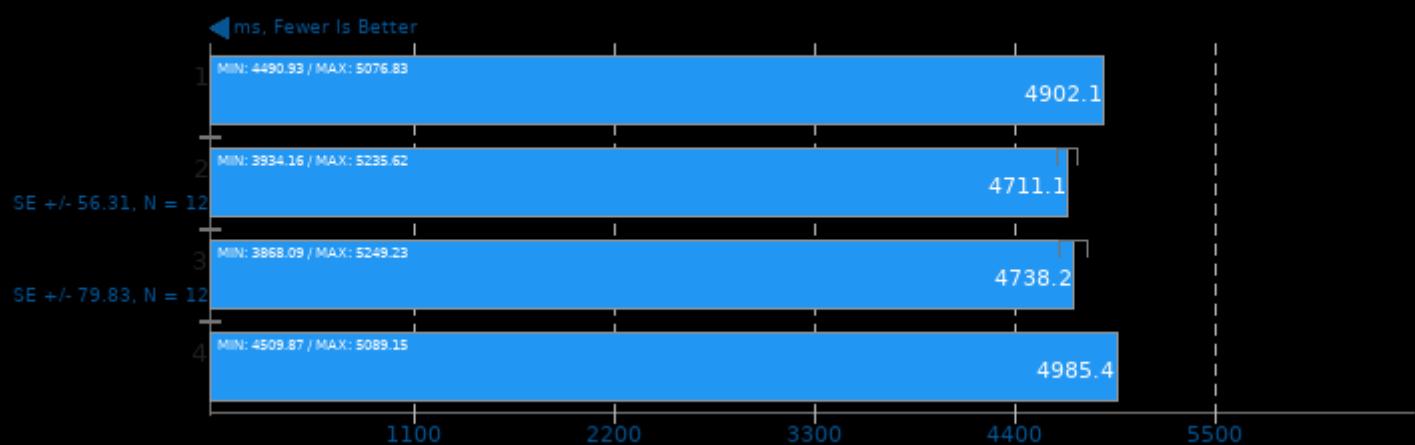
## Renaissance 0.12

Test: Savina Reactors.IO



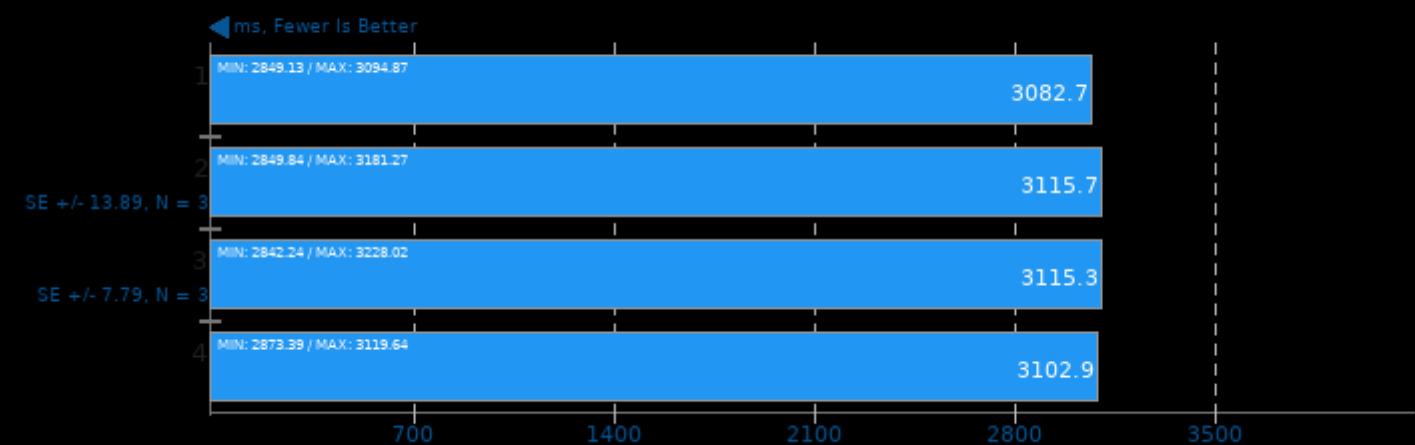
## Renaissance 0.12

Test: Apache Spark PageRank



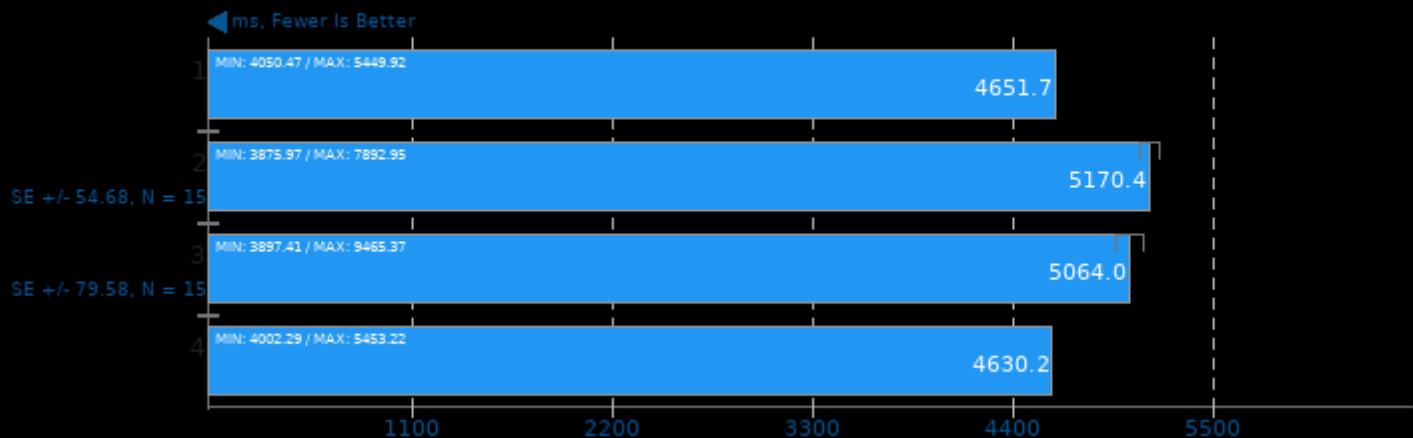
## Renaissance 0.12

Test: Finagle HTTP Requests



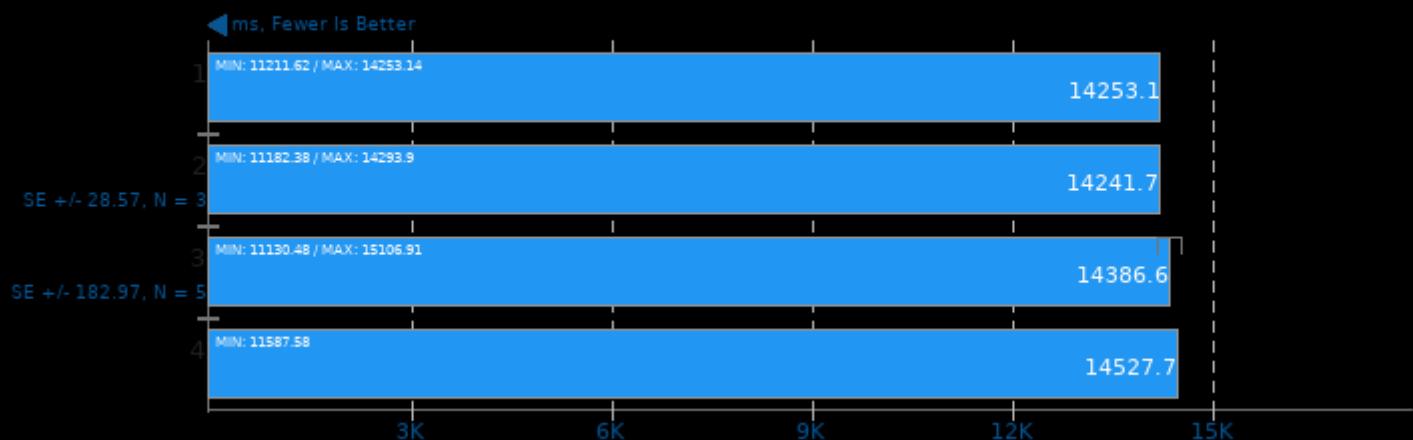
## Renaissance 0.12

Test: In-Memory Database Shootout



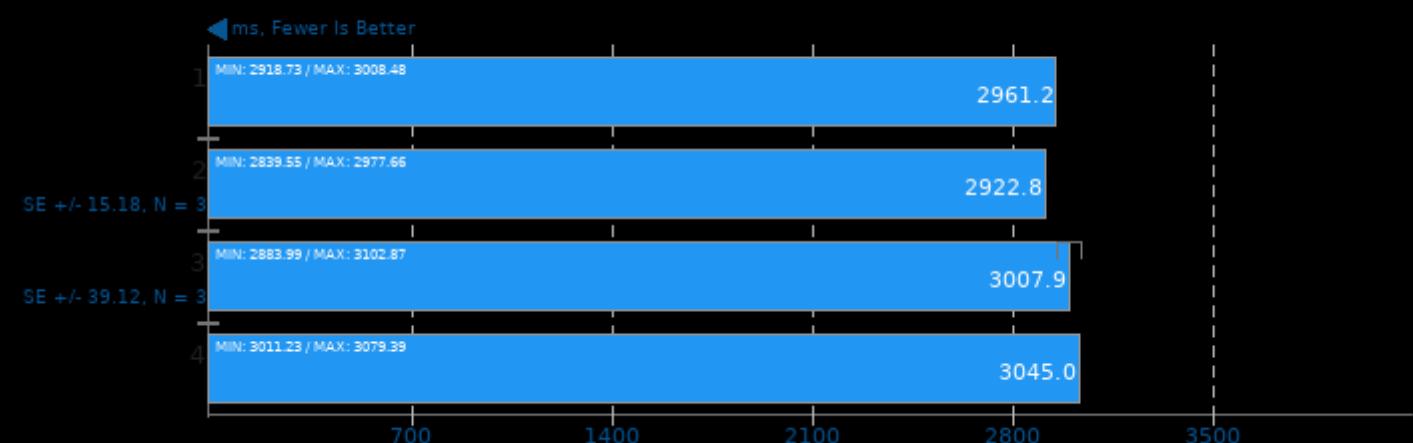
## Renaissance 0.12

Test: Akka Unbalanced Cobwebbed Tree



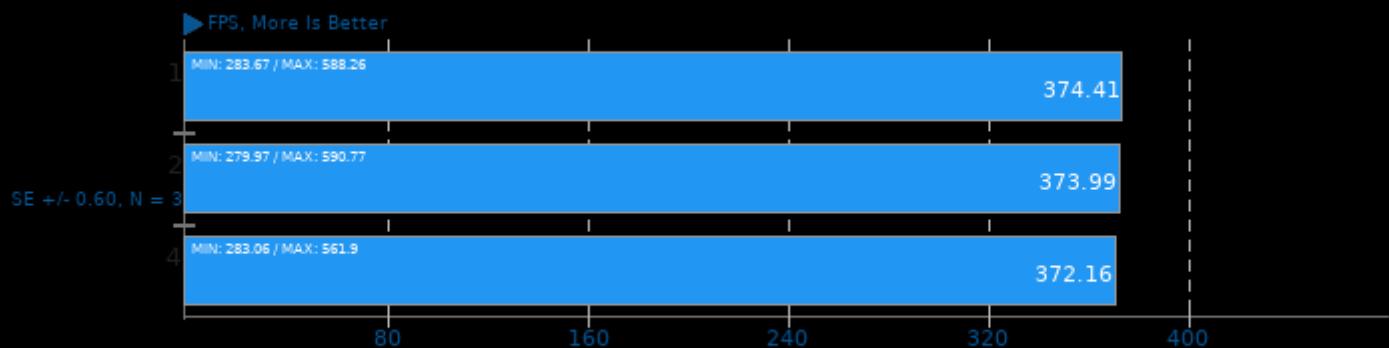
## Renaissance 0.12

Test: Genetic Algorithm Using Jenetics + Futures



## dav1d 0.9.1

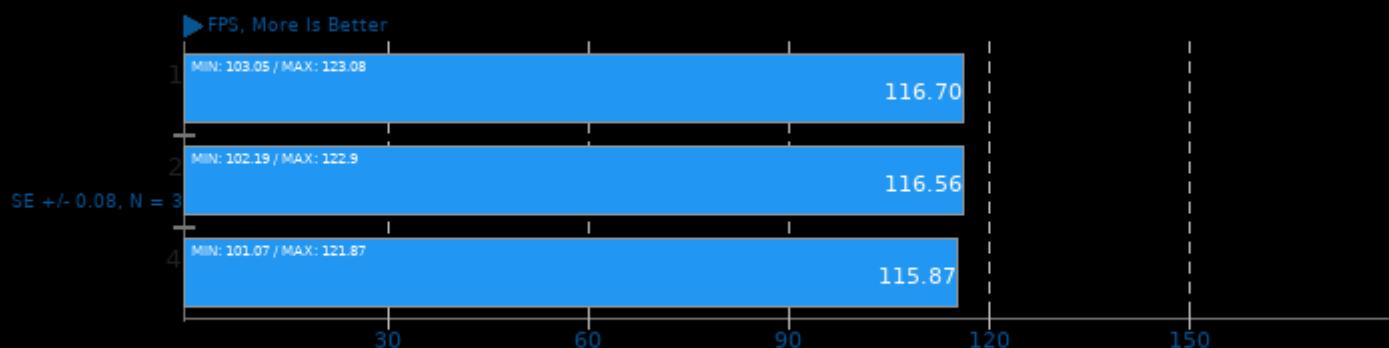
Video Input: Chimera 1080p



1. (CC) gcc options: -pthread -lm

## dav1d 0.9.1

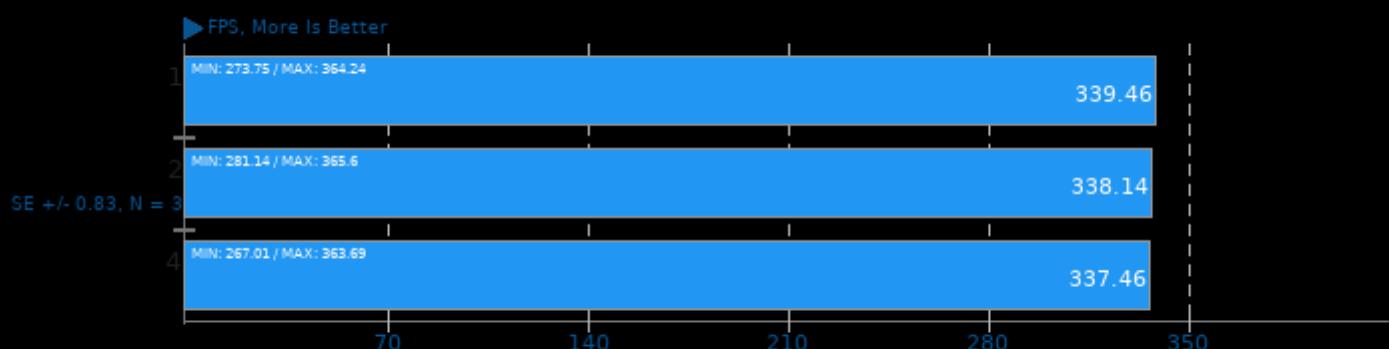
Video Input: Summer Nature 4K



1. (CC) gcc options: -pthread -lm

## dav1d 0.9.1

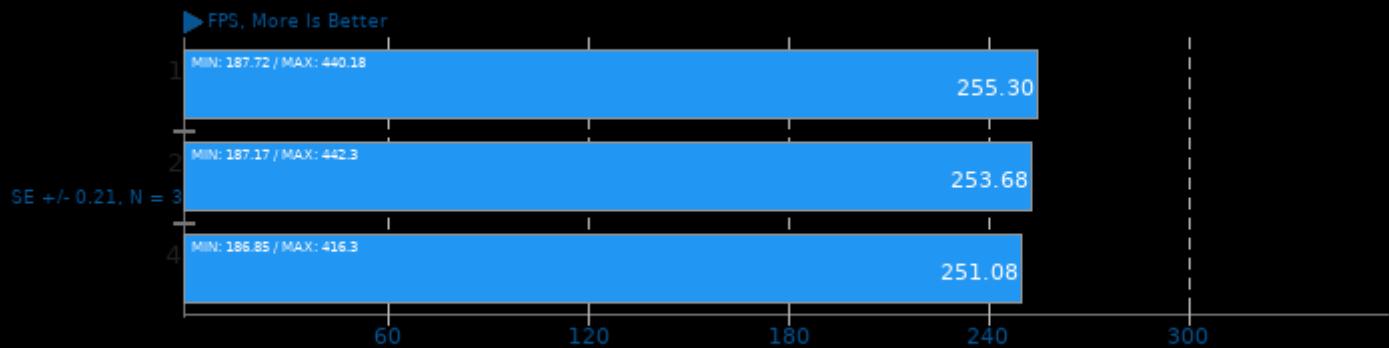
Video Input: Summer Nature 1080p



1. (CC) gcc options: -pthread -lm

## dav1d 0.9.1

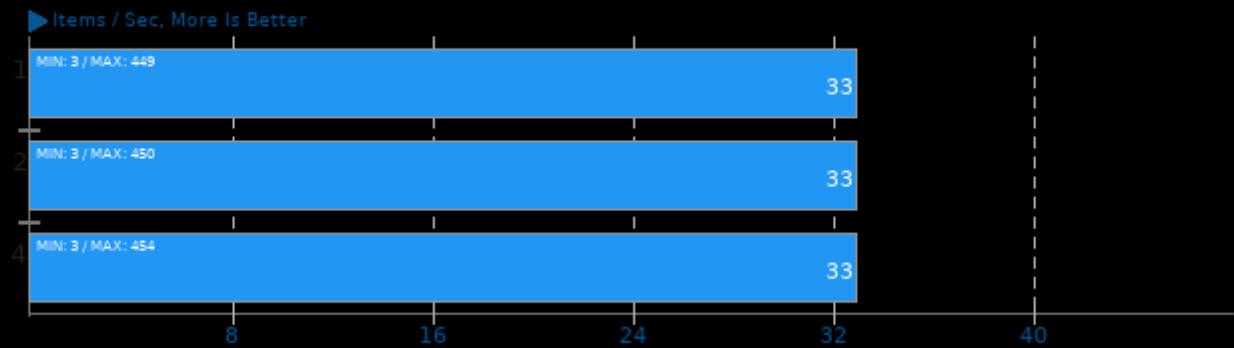
Video Input: Chimera 1080p 10-bit



1. (CC) gcc options: -pthread -lm

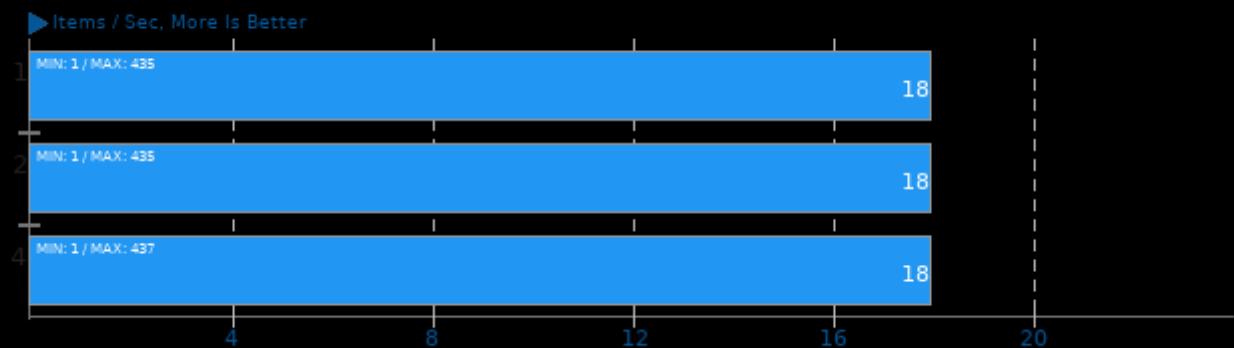
## OpenVKL 1.0

Benchmark: vklBenchmark ISPC



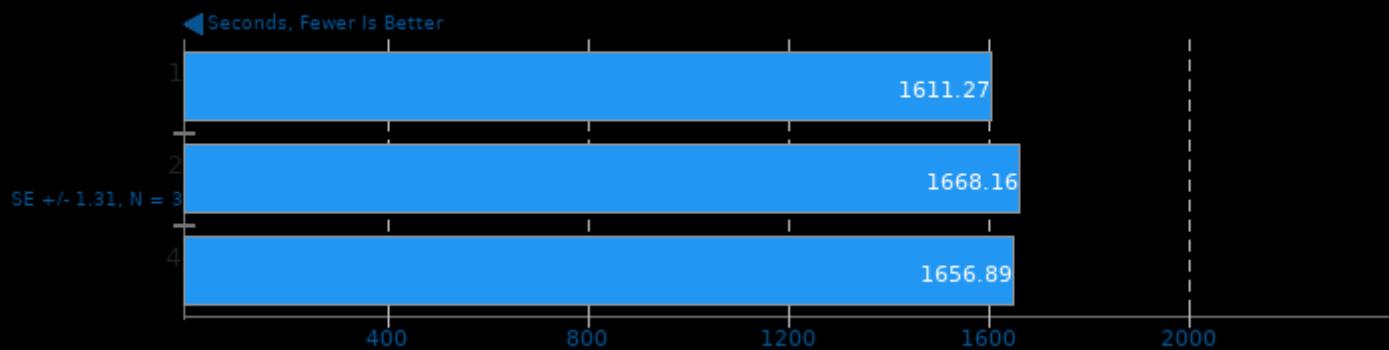
## OpenVKL 1.0

Benchmark: vklBenchmark Scalar



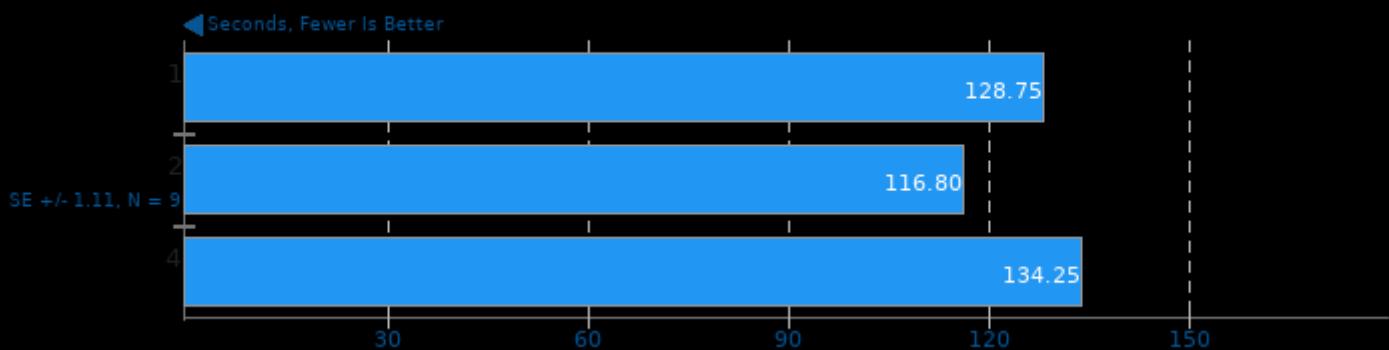
## Timed GCC Compilation 11.2.0

Time To Compile



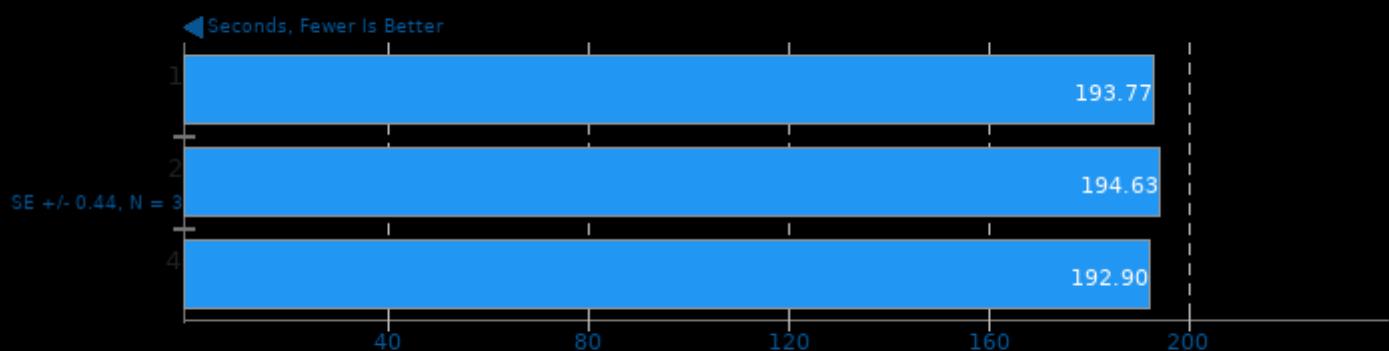
## Timed Linux Kernel Compilation 5.14

Time To Compile



## YafaRay 3.5.1

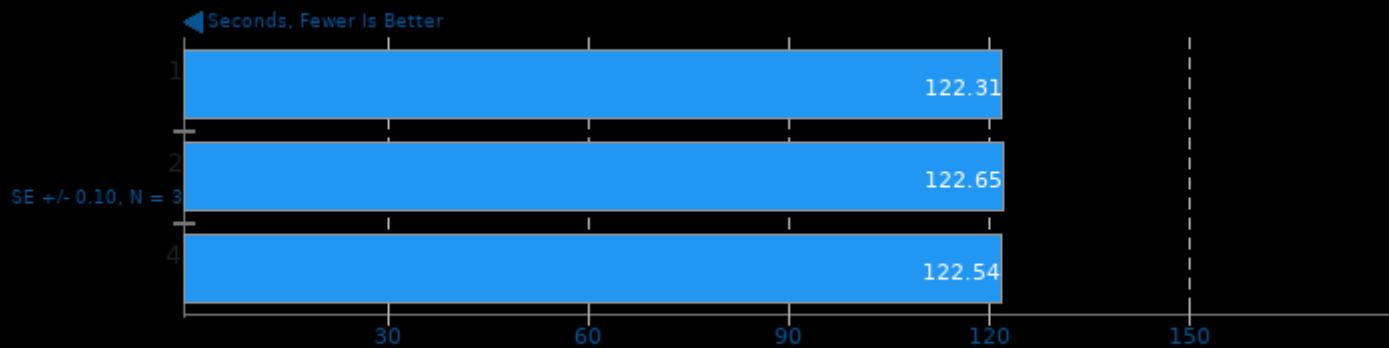
Total Time For Sample Scene



1. (CXX) g++ options: -std=c++11 -pthread -O3 -ffast-math -rdynamic -ldl -lImath -lImathf -lIm -lHalf -lz -lImThread -lxml2 -lfreetype

## Tachyon 0.99b6

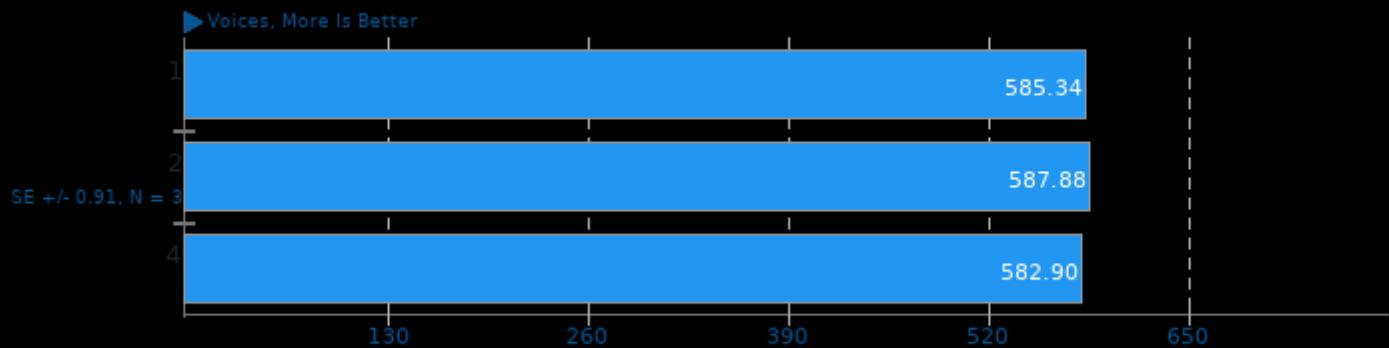
Total Time



1. (CC) gcc options: -m64 -O3 -fomit-frame-pointer -ffast-math -ltachyon -lm -lpthread

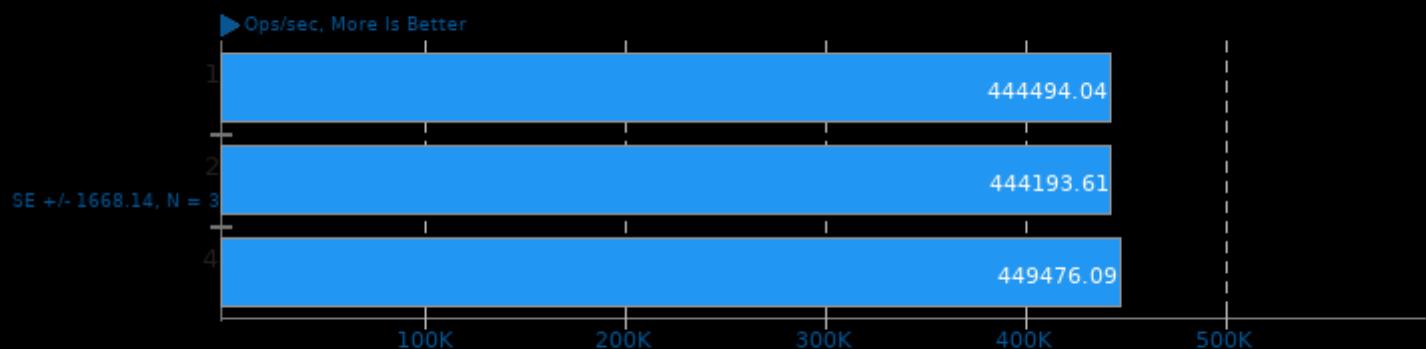
## Google SynthMark 20201109

Test: VoiceMark\_100



1. (CXX) g++ options: -lm -lpthread -std=c++11 -Ofast

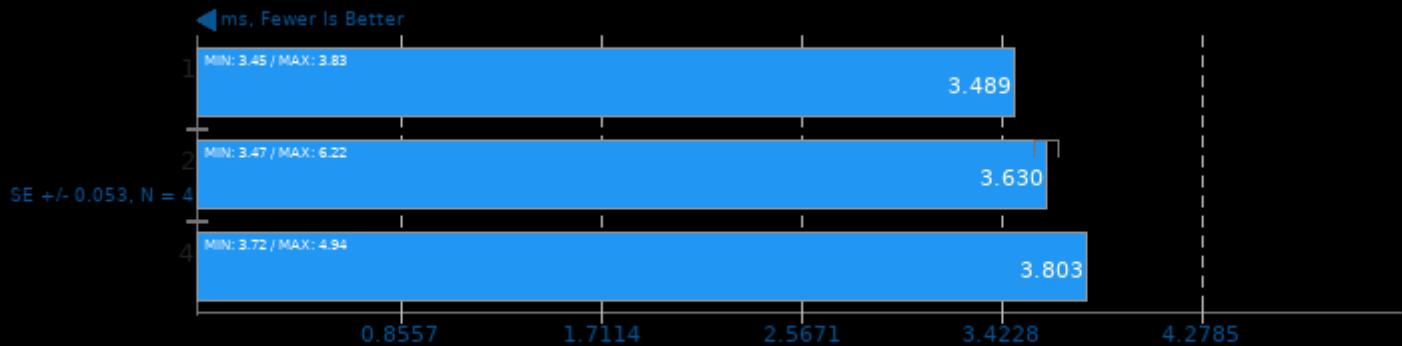
## KeyDB 6.2.0



1. (CXX) g++ options: -O2 -levent\_openssl -levent -lcrypto -lssl -lpthread -lz -lpcres

## Mobile Neural Network 1.2

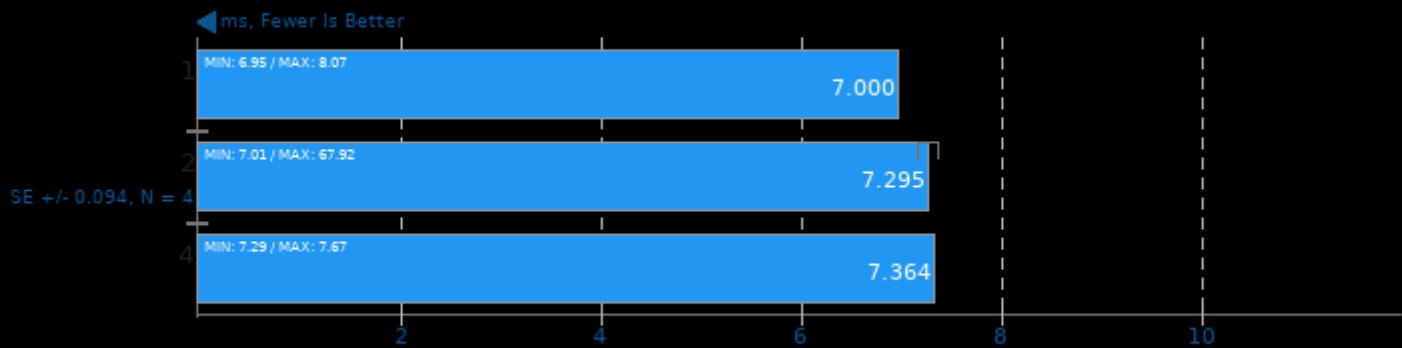
Model: mobilenetV3



1. (CXX) g++ options: -std=c++11 -O3 -fvisibility=hidden -fomit-frame-pointer -fstrict-aliasing -ffunction-sections -fdata-sections -ffast-math -fno-rtti -fr

## Mobile Neural Network 1.2

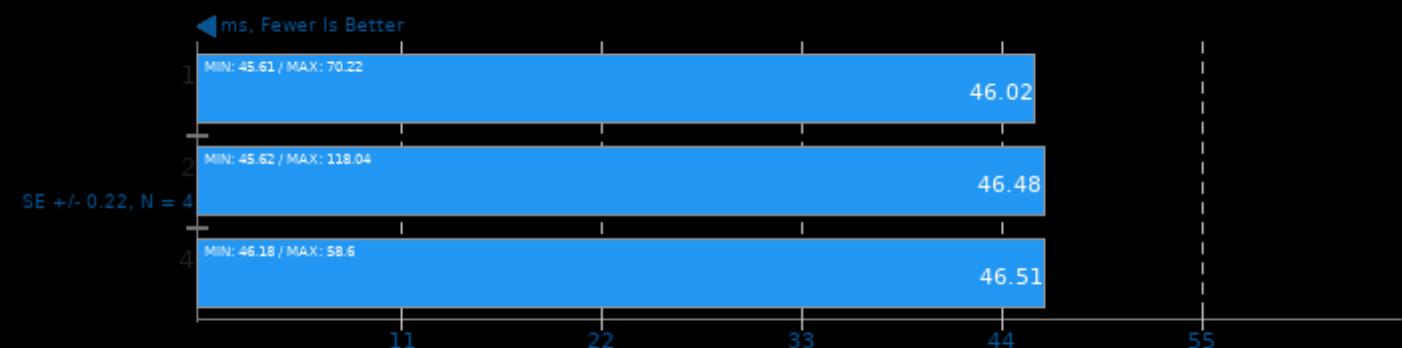
Model: squeezenetv1.1



1. (CXX) g++ options: -std=c++11 -O3 -fvisibility=hidden -fomit-frame-pointer -fstrict-aliasing -ffunction-sections -fdata-sections -ffast-math -fno-rtti -fr

## Mobile Neural Network 1.2

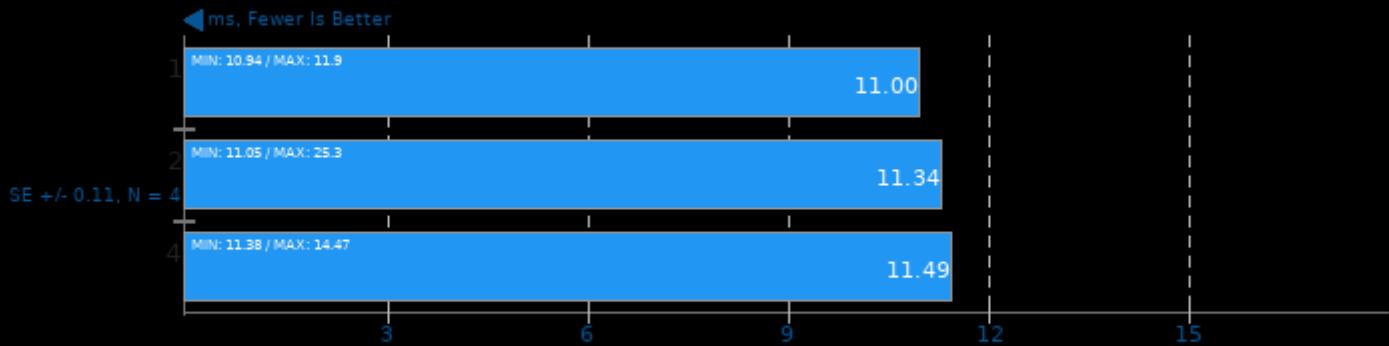
Model: resnet-v2-50



1. (CXX) g++ options: -std=c++11 -O3 -fvisibility=hidden -fomit-frame-pointer -fstrict-aliasing -ffunction-sections -fdata-sections -ffast-math -fno-rtti -fr

## Mobile Neural Network 1.2

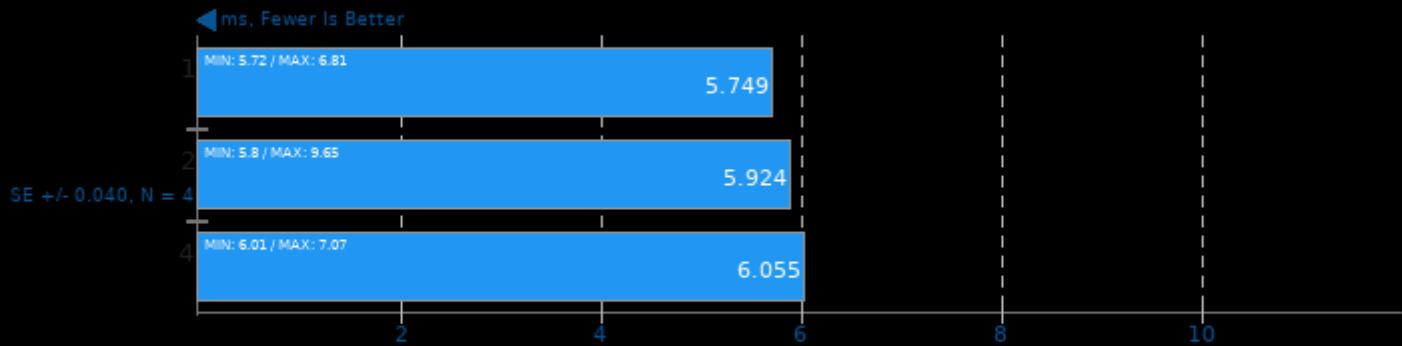
Model: SqueezeNetV1.0



1. (CXX) g++ options: -std=c++11 -O3 -fvisibility=hidden -fomit-frame-pointer -fstrict-aliasing -ffunction-sections -fdata-sections -ffast-math -fno-rtti -fr

## Mobile Neural Network 1.2

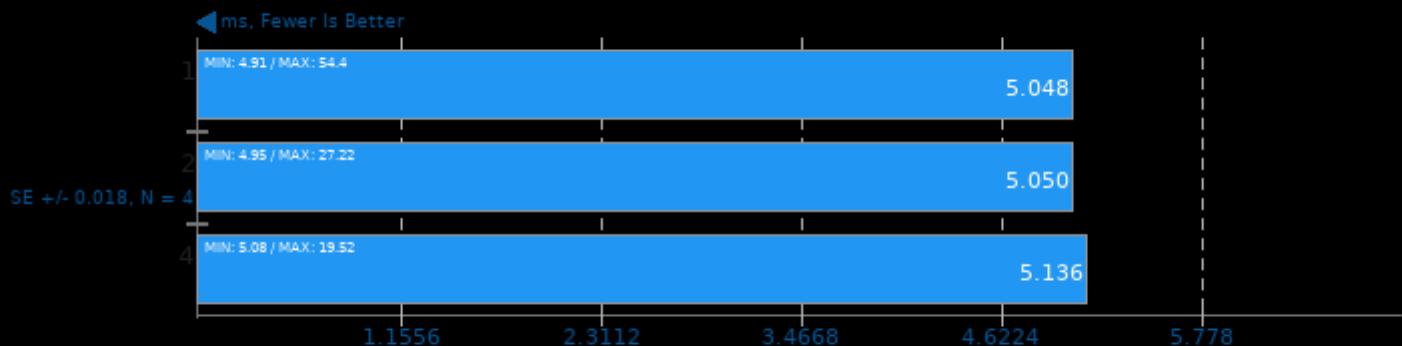
Model: MobileNetV2\_224



1. (CXX) g++ options: -std=c++11 -O3 -fvisibility=hidden -fomit-frame-pointer -fstrict-aliasing -ffunction-sections -fdata-sections -ffast-math -fno-rtti -fr

## Mobile Neural Network 1.2

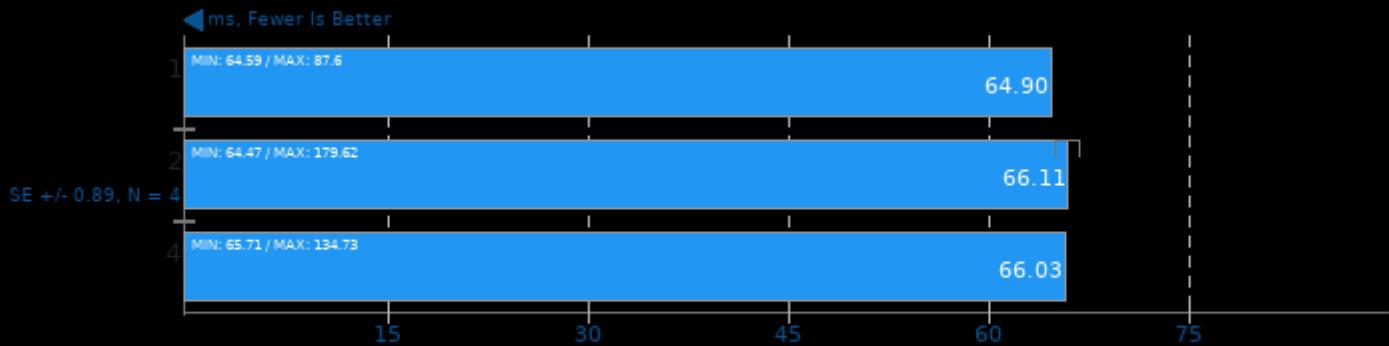
Model: mobilenet-v1-1.0



1. (CXX) g++ options: -std=c++11 -O3 -fvisibility=hidden -fomit-frame-pointer -fstrict-aliasing -ffunction-sections -fdata-sections -ffast-math -fno-rtti -fr

## Mobile Neural Network 1.2

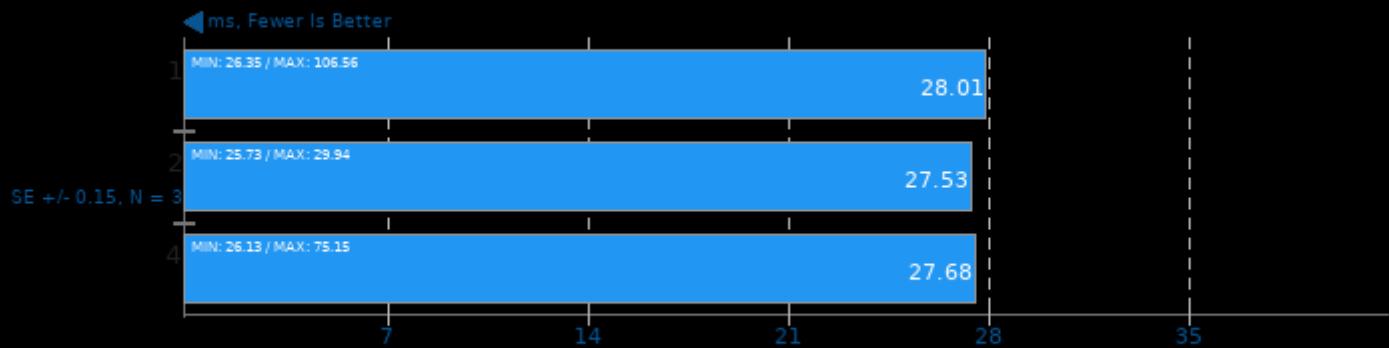
Model: inception-v3



1. (CXX) g++ options: -std=c++11 -O3 -fvisibility=hidden -fomit-frame-pointer -fstrict-aliasing -ffunction-sections -fdata-sections -ffast-math -fno-rtti -frtti

## NCNN 20210720

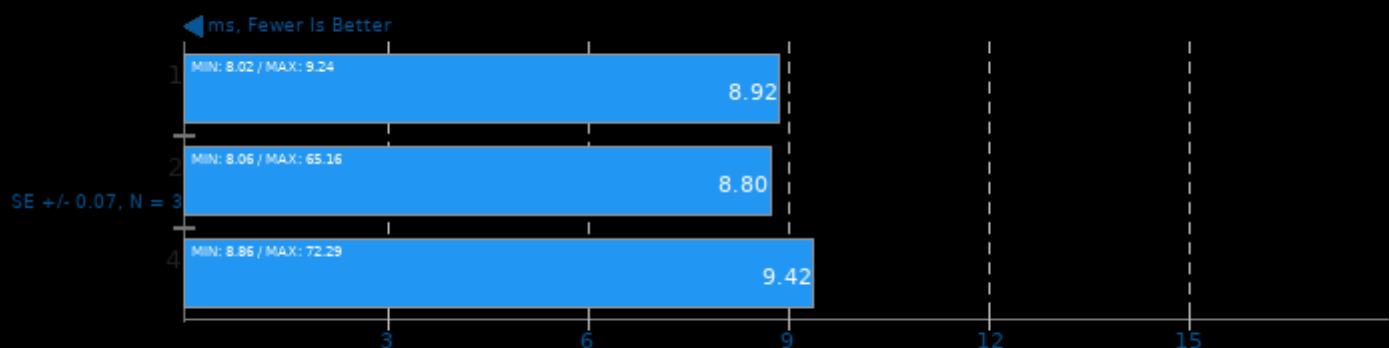
Target: CPU - Model: mobilenet



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

## NCNN 20210720

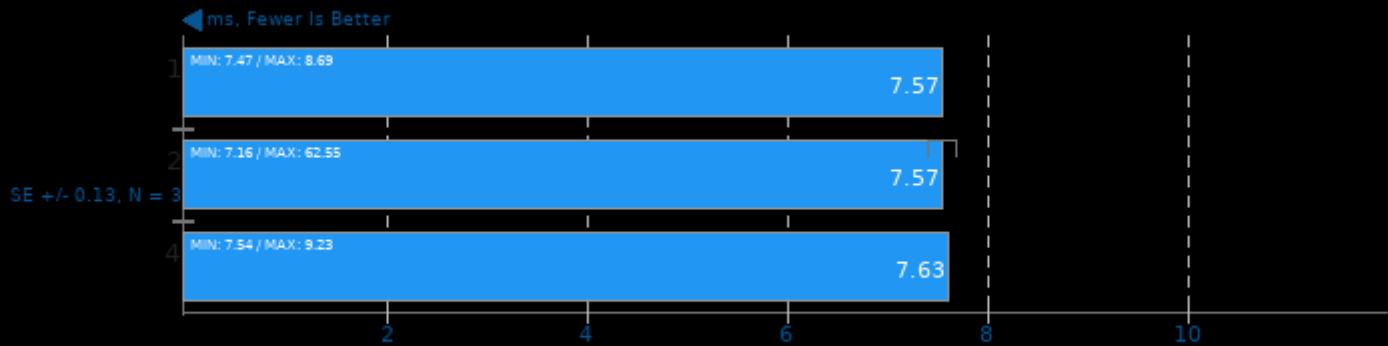
Target: CPU-v2-v2 - Model: mobilenet-v2



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

## NCNN 20210720

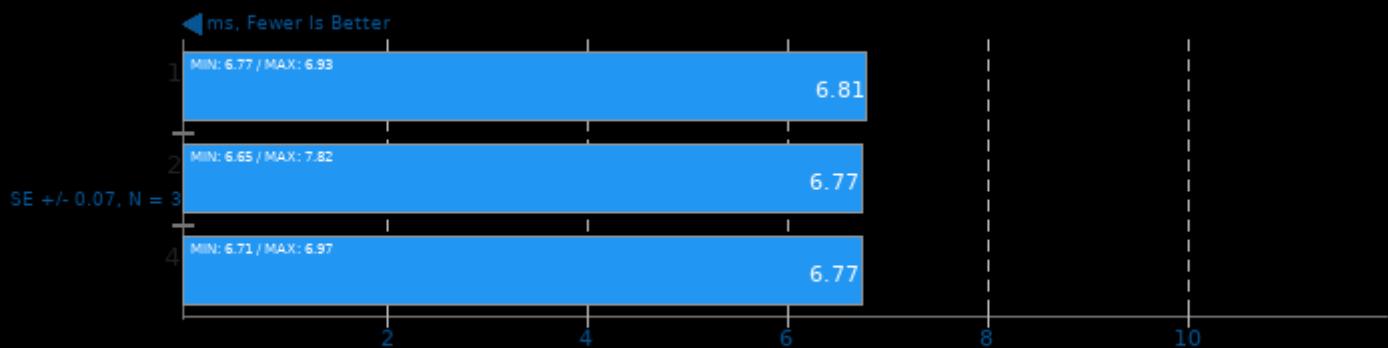
Target: CPU-v3-v3 - Model: mobilenet-v3



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

## NCNN 20210720

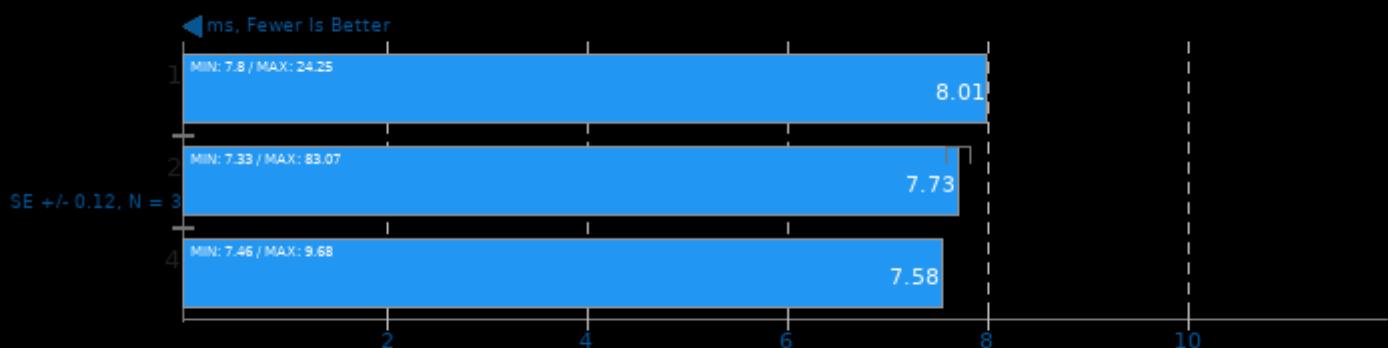
Target: CPU - Model: shufflenet-v2



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

## NCNN 20210720

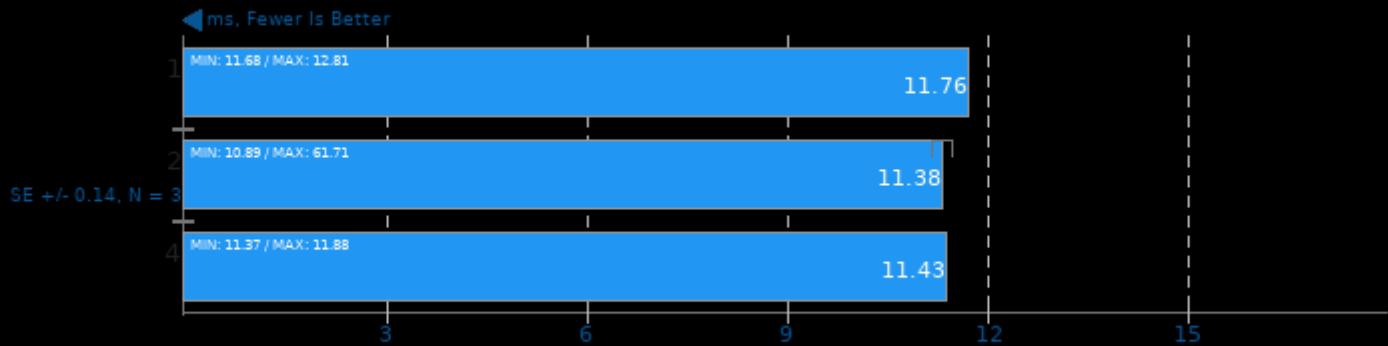
Target: CPU - Model: mnasnet



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

**NCNN 20210720**

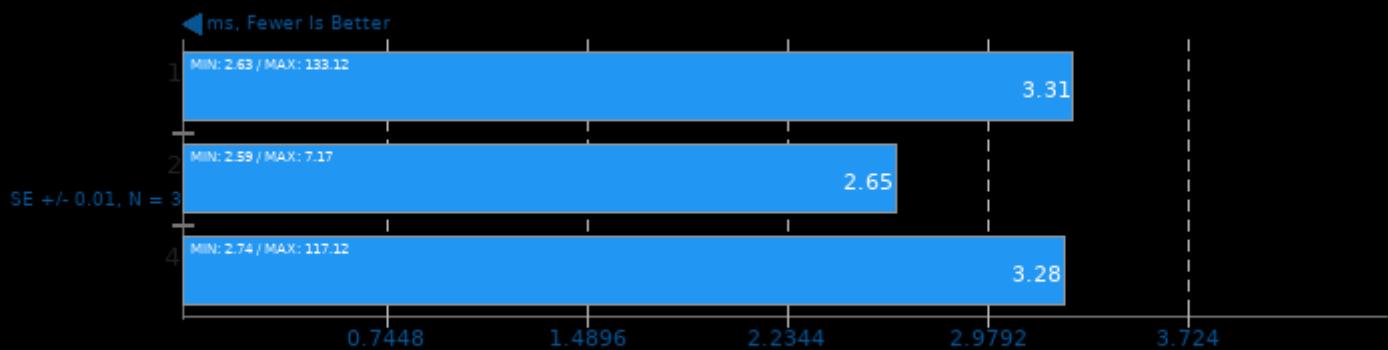
Target: CPU - Model: efficientnet-b0



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

**NCNN 20210720**

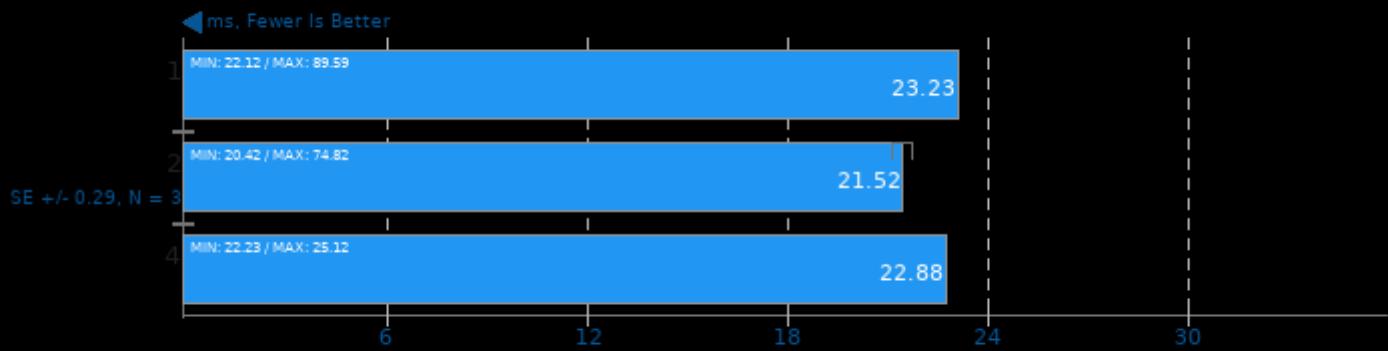
Target: CPU - Model: blazeface



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

**NCNN 20210720**

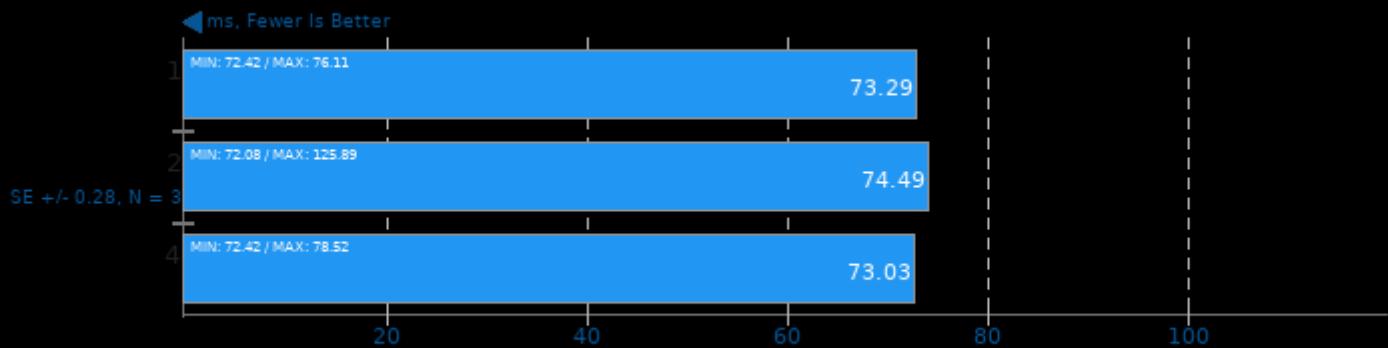
Target: CPU - Model: googlenet



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

**NCNN 20210720**

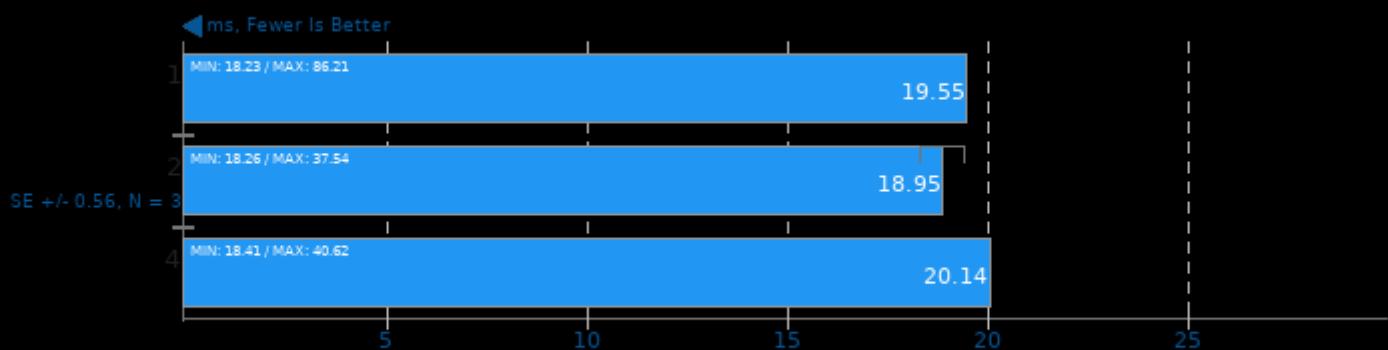
Target: CPU - Model: vgg16



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

**NCNN 20210720**

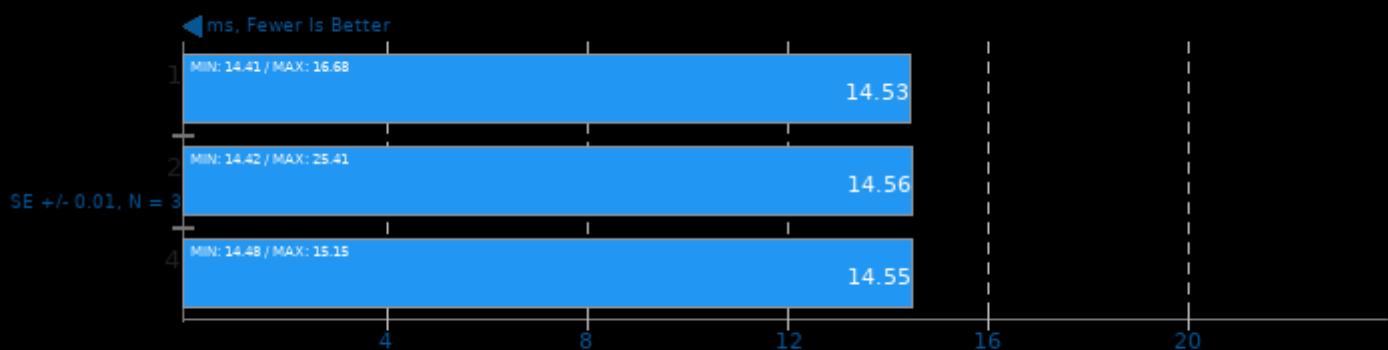
Target: CPU - Model: resnet18



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

**NCNN 20210720**

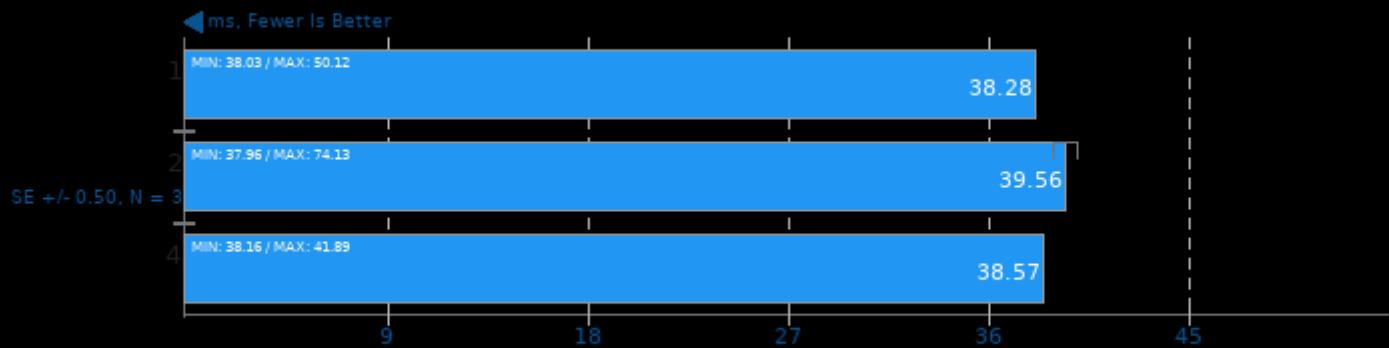
Target: CPU - Model: alexnet



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

**NCNN 20210720**

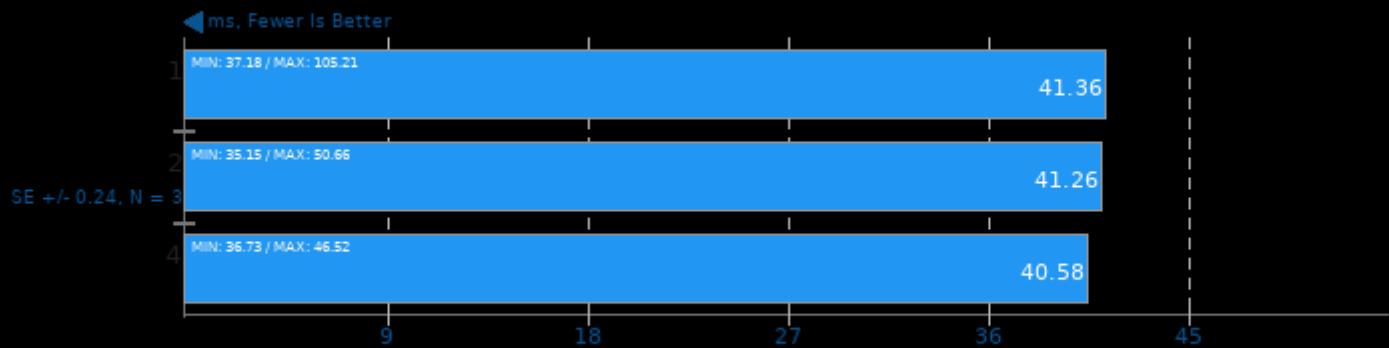
Target: CPU - Model: resnet50



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

**NCNN 20210720**

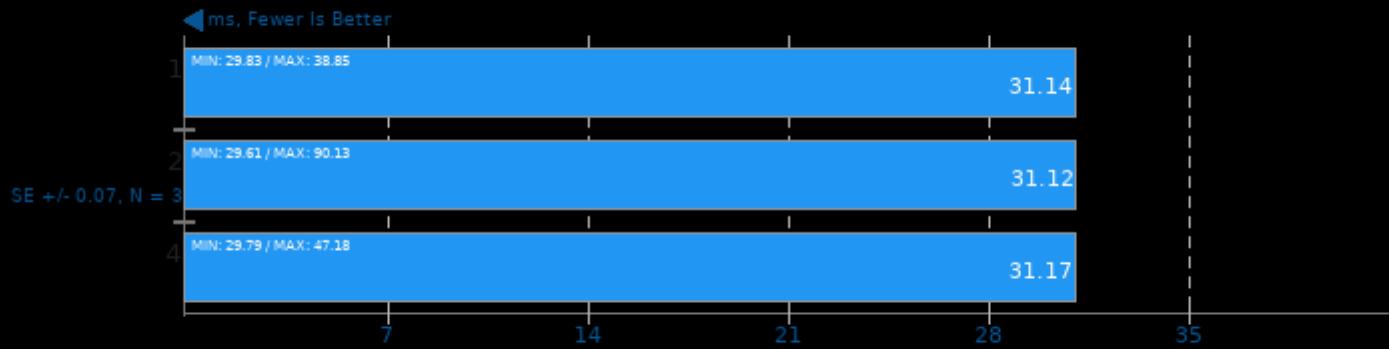
Target: CPU - Model: yolov4-tiny



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

**NCNN 20210720**

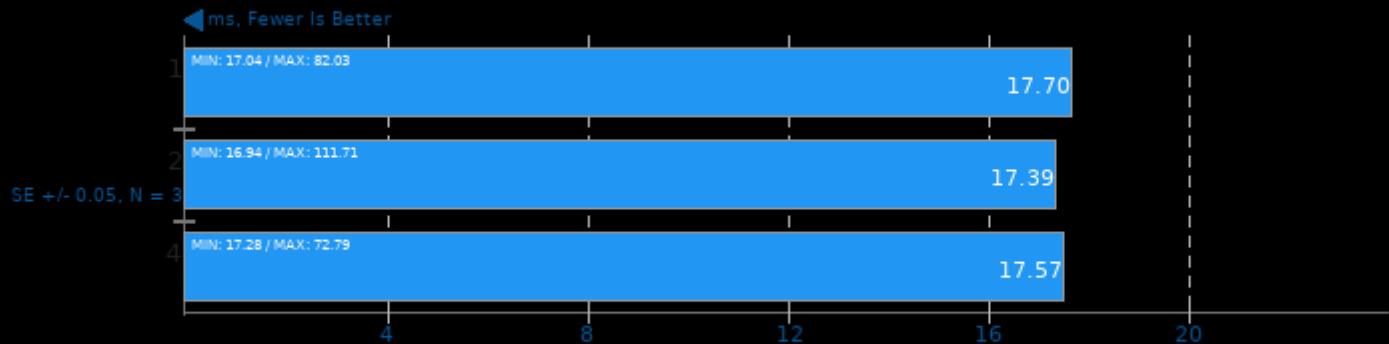
Target: CPU - Model: squeezezenet\_ssdl



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

## NCNN 20210720

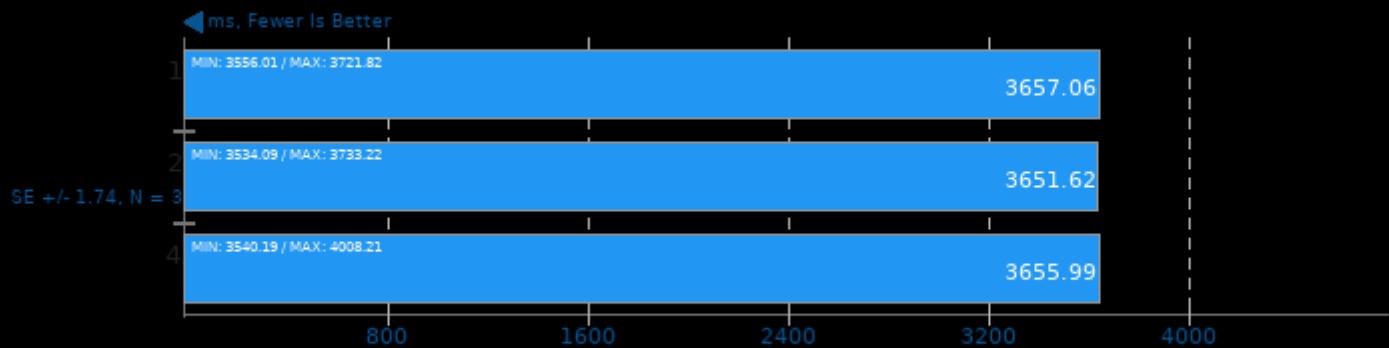
Target: CPU - Model: regnety\_400m



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

## TNN 0.3

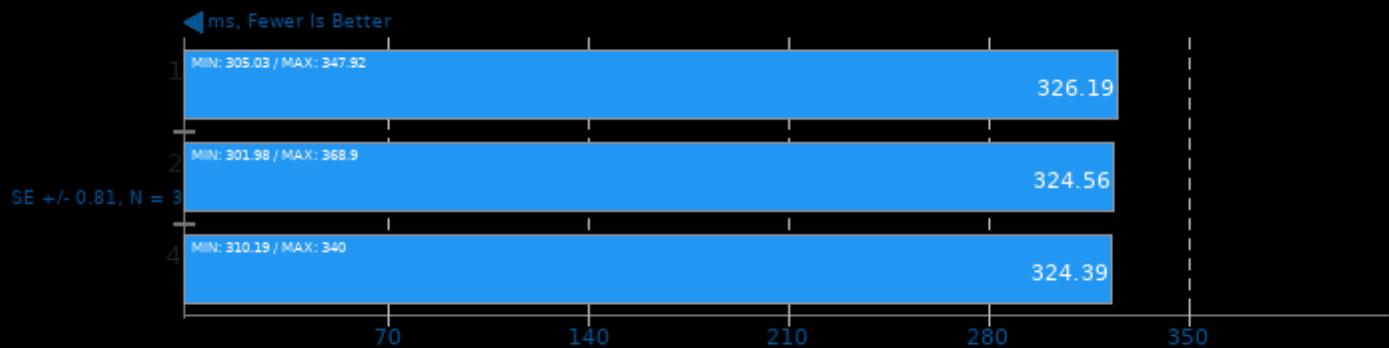
Target: CPU - Model: DenseNet



1. (CXX) g++ options: -fopenmp -pthread -fvisibility=hidden -fvisibility=default -O3 -rdynamic -ldl

## TNN 0.3

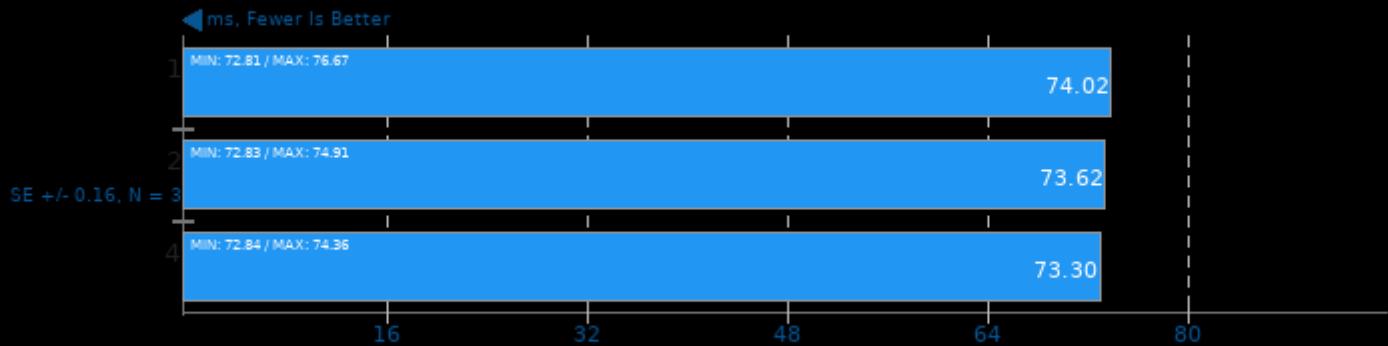
Target: CPU - Model: MobileNet v2



1. (CXX) g++ options: -fopenmp -pthread -fvisibility=hidden -fvisibility=default -O3 -rdynamic -ldl

## TNN 0.3

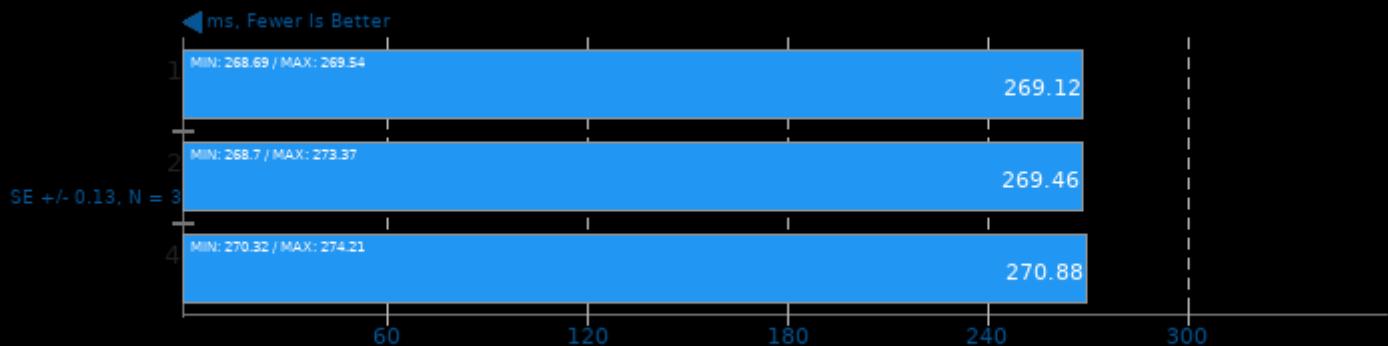
Target: CPU - Model: SqueezeNet v2



1. (CXX) g++ options: -fopenmp -pthread -fvisibility=hidden -fvisibility=default -O3 -rdynamic -ldl

## TNN 0.3

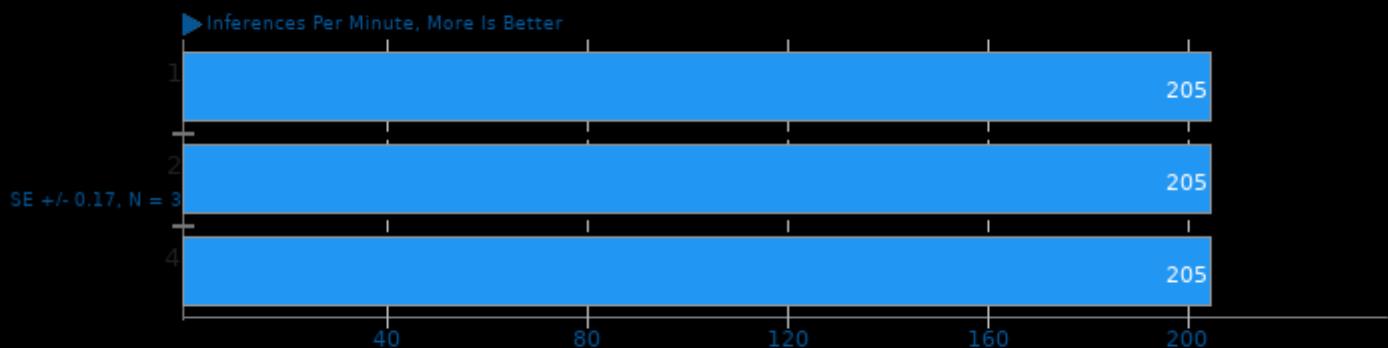
Target: CPU - Model: SqueezeNet v1.1



1. (CXX) g++ options: -fopenmp -pthread -fvisibility=hidden -fvisibility=default -O3 -rdynamic -ldl

## ONNX Runtime 1.8.2

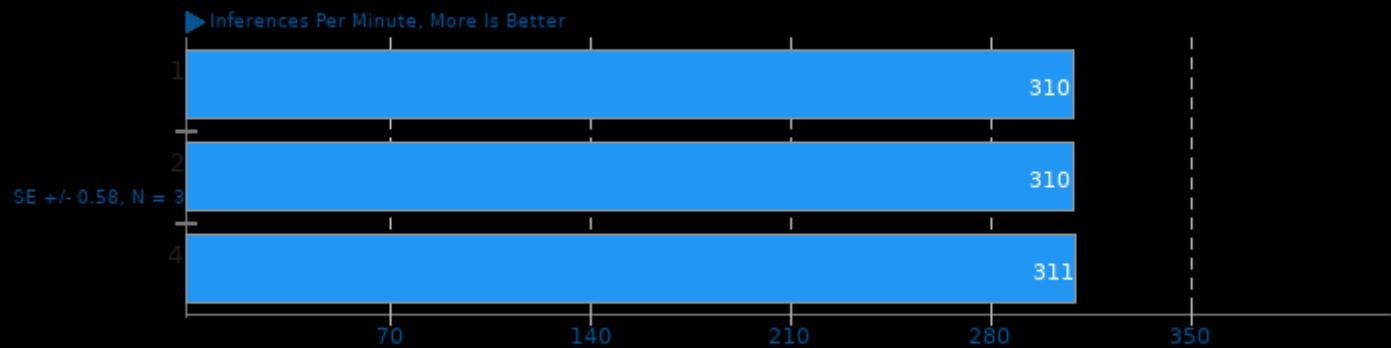
Model: yolov4 - Device: OpenMP CPU



1. (CXX) g++ options: -fopenmp -ffunction-sections -fdata-sections -O3 -ldl -lrt

## ONNX Runtime 1.8.2

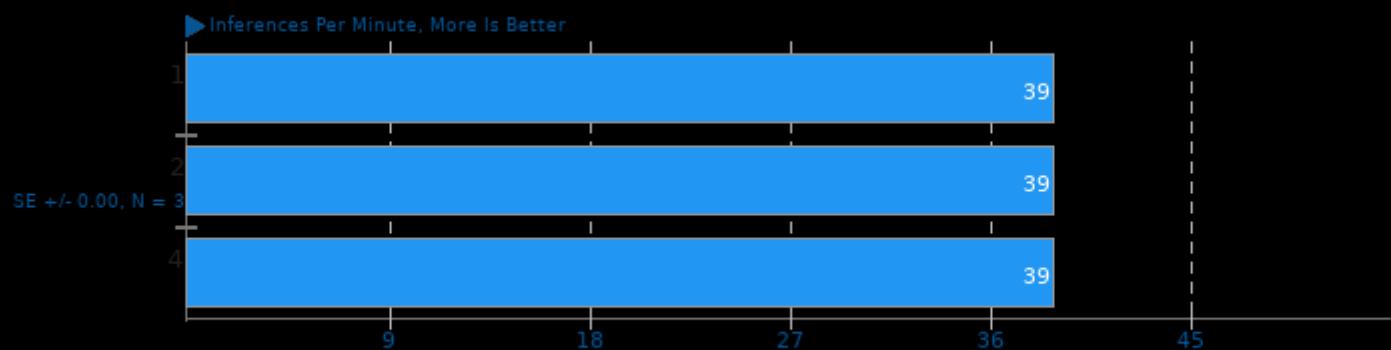
Model: bertsquad-10 - Device: OpenMP CPU



1. (CXX) g++ options: -fopenmp -ffunction-sections -O3 -ldl -lrt

## ONNX Runtime 1.8.2

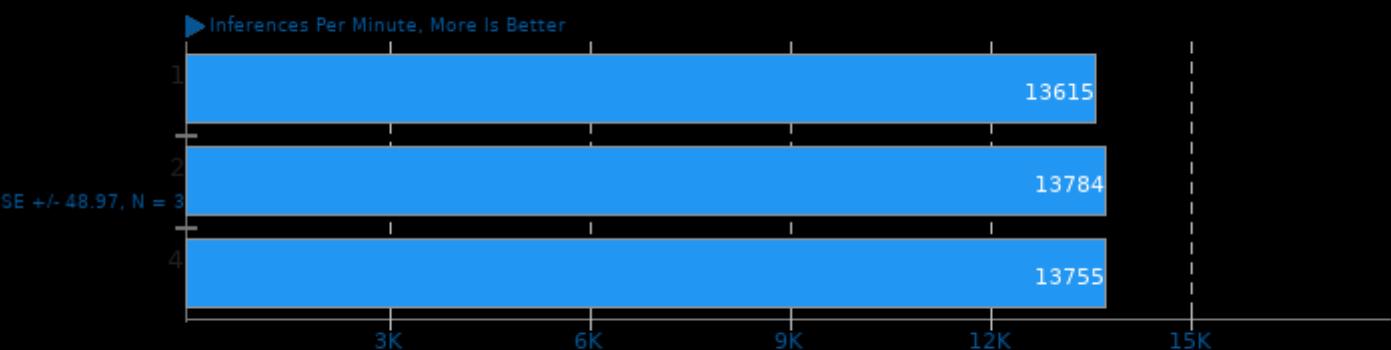
Model: fcn-resnet101-11 - Device: OpenMP CPU



1. (CXX) g++ options: -fopenmp -ffunction-sections -O3 -ldl -lrt

## ONNX Runtime 1.8.2

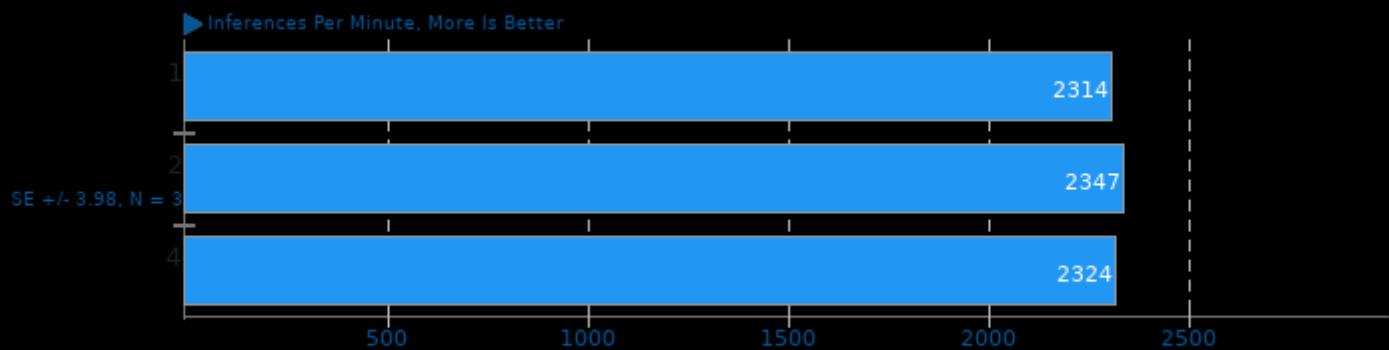
Model: shufflenet-v2-10 - Device: OpenMP CPU



1. (CXX) g++ options: -fopenmp -ffunction-sections -O3 -ldl -lrt

## ONNX Runtime 1.8.2

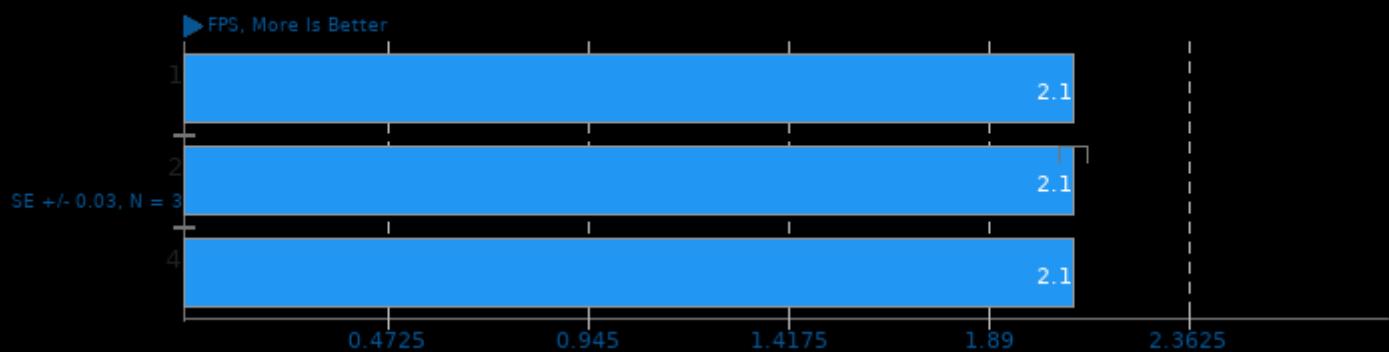
Model: super-resolution-10 - Device: OpenMP CPU



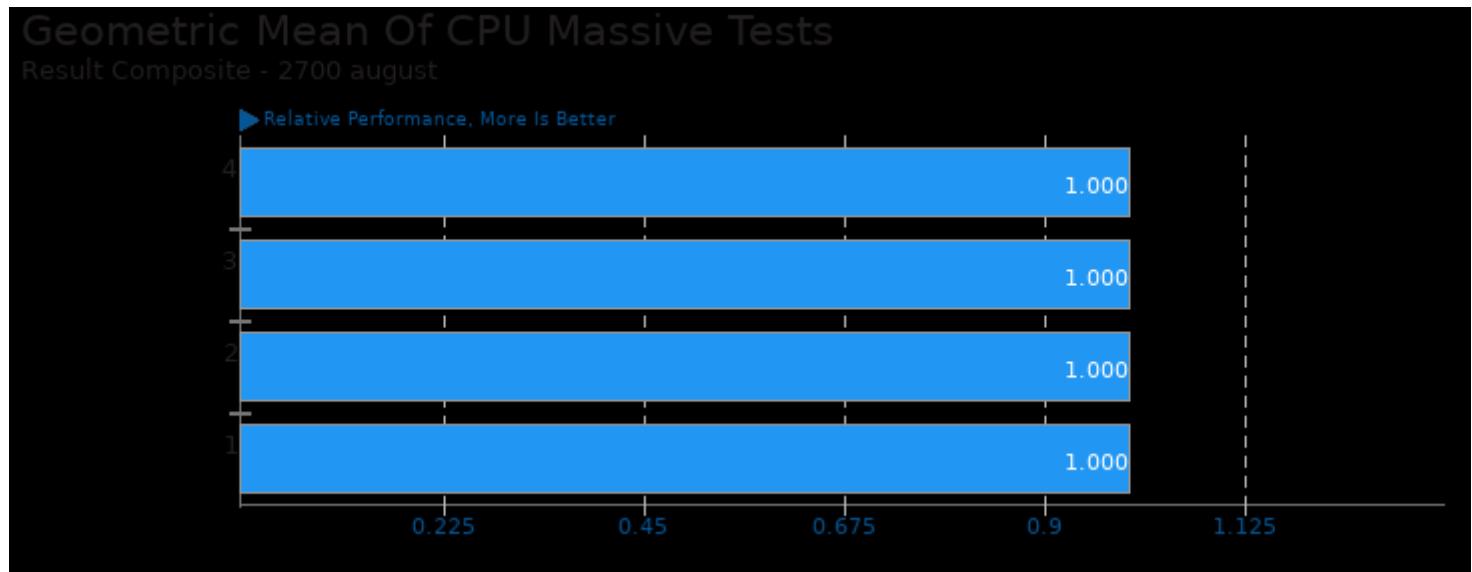
1. (CXX) g++ options: -fopenmp -ffunction-sections -fdata-sections -O3 -ldl -lrt

## Natron 2.4

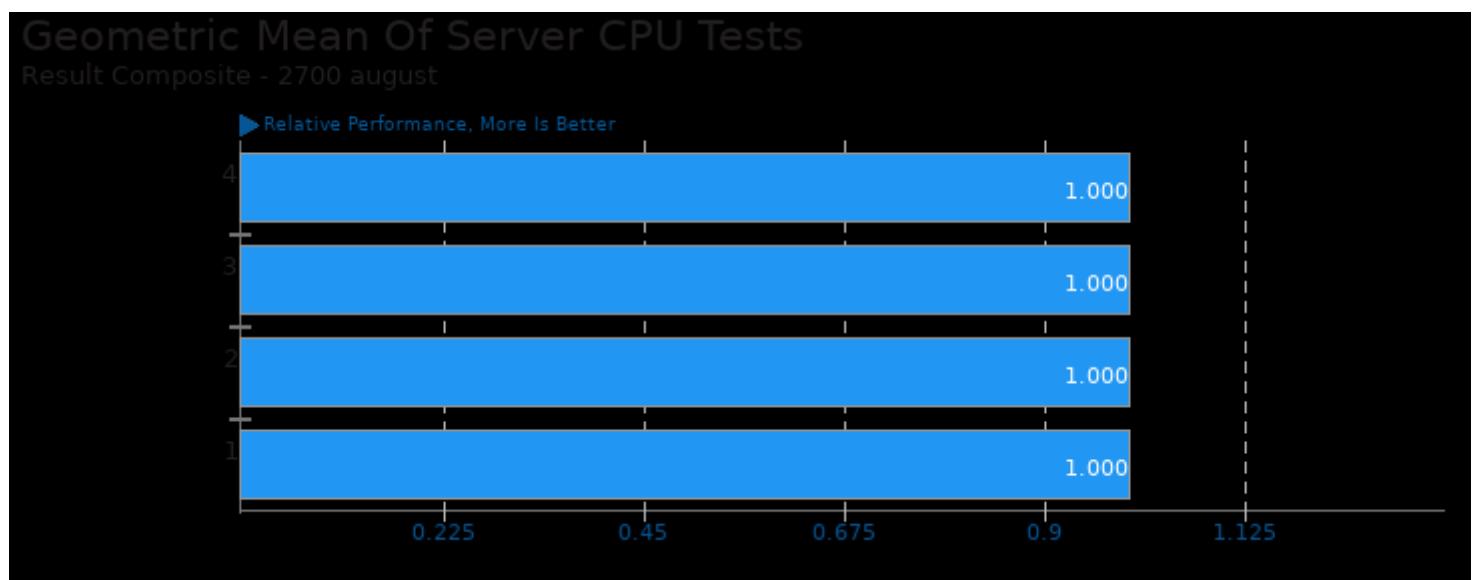
Input: Spaceship



These geometric means are based upon test groupings / test suites for this result file.



Geometric mean based upon tests: pts/build-gcc, pts/build-linux-kernel, pts/dav1d, pts/tachyon and pts/renaissance



Geometric mean based upon tests: pts/renaissance, pts/dav1d, pts/build-gcc and pts/build-linux-kernel

*This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 12:53.*