

www.phoronix-test-suite.com

dnn

Intel Core i7-1065G7 testing with a Dell 06CDVY (1.0.9 BIOS) and Intel Iris Plus ICL GT2 16GB on Ubuntu 22.04 via the Phoronix Test Suite.

Automated Executive Summary

a had the most wins, coming in first place for 52% of the tests.

Based on the geometric mean of all complete results, the fastest (B) was 1.064x the speed of the slowest (C). a was 0.989x the speed of B and C was 0.951x the speed of a.

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

oneDNN (Harness: IP Shapes 1D - Data Type: f32 - Engine: CPU) at 3.608x
oneDNN (Harness: Matrix Multiply Batch Shapes Transformer - Data Type: f32 - Engine: CPU) at 1.57x
oneDNN (Harness: Deconvolution Batch shapes_1d - Data Type: u8s8f32 - Engine: CPU) at 1.527x
AOM AV1 (Encoder Mode: Speed 0 Two-Pass - Input: Bosphorus 4K) at 1.4x
oneDNN (Harness: IP Shapes 1D - Data Type: u8s8f32 - Engine: CPU) at 1.379x
oneDNN (Harness: Deconvolution Batch shapes_1d - Data Type: f32 - Engine: CPU) at 1.372x
oneDNN (Harness: Deconvolution Batch shapes_1d - Data Type: bf16bf16bf16 - Engine: CPU) at 1.354x
oneDNN (Harness: Recurrent Neural Network Training - Data Type: f32 - Engine: CPU) at 1.337x
oneDNN (Harness: IP Shapes 3D - Data Type: u8s8f32 - Engine: CPU) at 1.284x

oneDNN (Harness: IP Shapes 3D - Data Type: bf16bf16bf16 - Engine: CPU) at 1.226x.

Test Systems:

a

B

C

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 16GB (1100MHz), Audio: Realtek ALC289, Network: Intel Ice Lake-LP PCH CNVi WiFi

OS: Ubuntu 22.04, Kernel: 5.18.8-051808-generic (x86_64), Desktop: GNOME Shell 42.2, Display Server: X Server + Wayland, OpenGL: 4.6 Mesa 22.0.1, Vulkan: 1.3.204, Compiler: GCC 11.2.0, 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-bootstrap --enable-cet --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-link-serialization=2 --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc=auto --enable-offload-targets=nvptx-none=/build/gcc-11-gBFGDP/gcc-11-11.2.0/debian/tmp-nvptx/usr,amdgcn-amdhsa=/build/gcc-11-gBFGDP/gcc-11-11.2.0/debian/tmp-gcn/usr --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-build-config=bootstrap-lto-lean --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 (EPP: balance_performance) - CPU Microcode: 0xb2 - Thermald 2.4.9
Security Notes: itlb_multihit: KVM: Mitigation of VMX disabled + l1tf: Not affected + mds: Not affected + meltdown: Not affected + mmio_stale_data: Mitigation of Clear buffers; SMT vulnerable + spec_store_bypass: Mitigation of SSB disabled via prctl + spectre_v1: Mitigation of usercopy/swapgs barriers and __user pointer sanitization + spectre_v2: Mitigation of Enhanced IBRS IBPB: conditional RSB filling + srbds: Mitigation of Microcode + tsx_async_abort: Not affected

	a	B	C
AOM AV1 - Speed 0 Two-Pass - Bosphorus 4K (FPS)	**0.05**	**0.07**	0.06
Normalized	71.43%	100%	85.71%
AOM AV1 - Speed 4 Two-Pass - Bosphorus 4K (FPS)	**1.63**	**1.85**	1.72
Normalized	88.11%	100%	92.97%
AOM AV1 - Speed 6 Realtime - Bosphorus 4K (FPS)	**9.64**	**10.72**	10
Normalized	89.93%	100%	93.28%
AOM AV1 - Speed 6 Two-Pass - Bosphorus 4K (FPS)	**3.1**	**3.36**	3.15
Normalized	92.26%	100%	93.75%

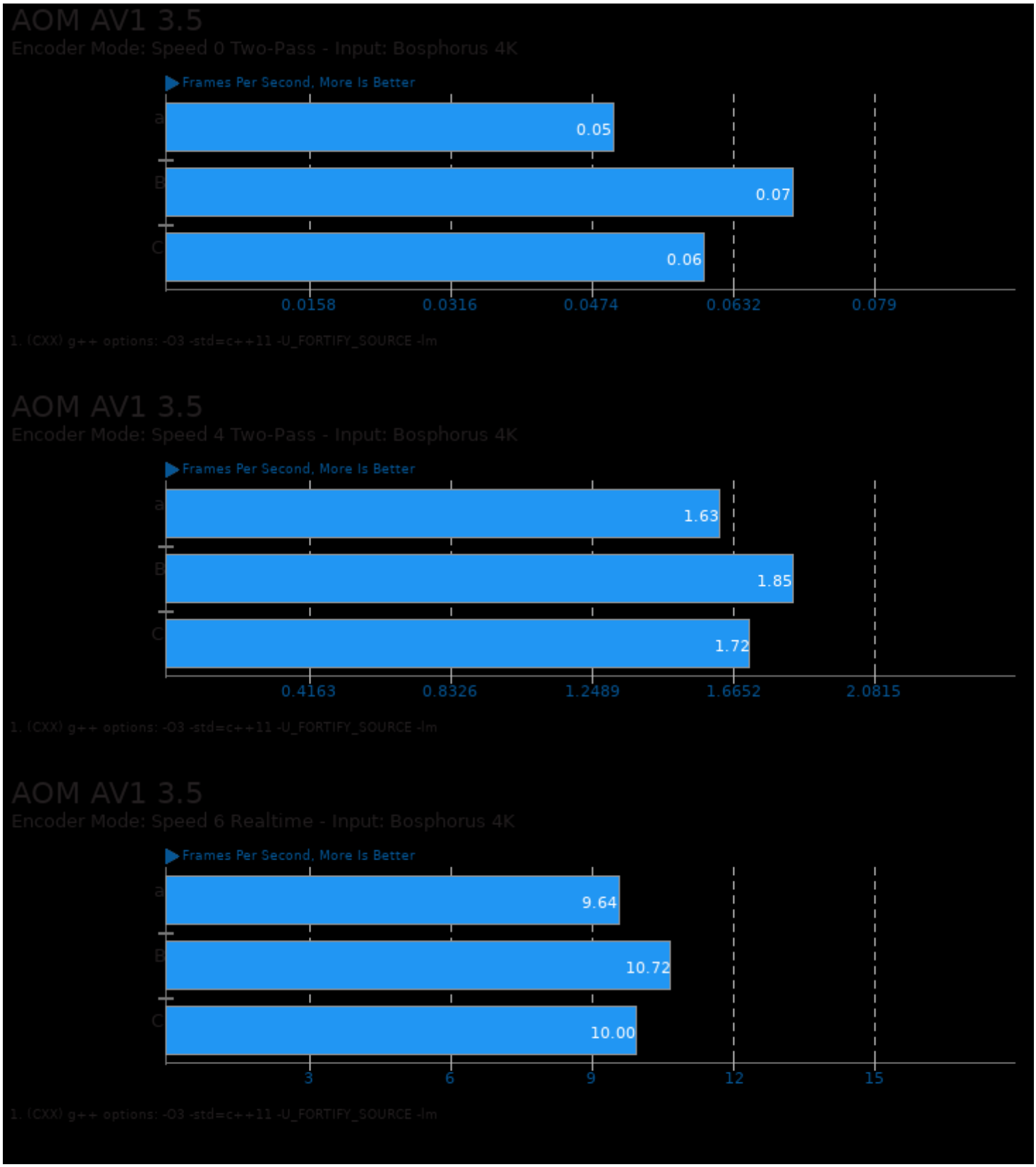
dnn

AOM AV1 - Speed 8 Realtime - Bosphorus 4K (FPS)	18.99	19.51	18.87
Normalized	97.33%	100%	96.72%
AOM AV1 - Speed 9 Realtime - Bosphorus 4K (FPS)	31.82	32.98	32.14
Normalized	96.48%	100%	97.45%
AOM AV1 - Speed 10 Realtime - Bosphorus 4K (FPS)	33.71	34.62	34.11
Normalized	97.37%	100%	98.53%
AOM AV1 - Speed 0 Two-Pass - Bosphorus 1080p (FPS)	0.15	0.16	0.15
Normalized	93.75%	100%	93.75%
AOM AV1 - Speed 4 Two-Pass - Bosphorus 1080p (FPS)	4.51	4.79	4.55
Normalized	94.15%	100%	94.99%
AOM AV1 - Speed 6 Realtime - Bosphorus 1080p (FPS)	23.75	24.74	23.61
Normalized	96%	100%	95.43%
AOM AV1 - Speed 6 Two-Pass - Bosphorus 1080p (FPS)	10.4	10.71	10.54
Normalized	97.11%	100%	98.41%
AOM AV1 - Speed 8 Realtime - Bosphorus 1080p (FPS)	76.81	82.7	82.41
Normalized	92.88%	100%	99.65%
AOM AV1 - Speed 9 Realtime - Bosphorus 1080p (FPS)	121.8	124	123.75
Normalized	98.23%	100%	99.8%
AOM AV1 - Speed 10 Realtime - Bosphorus 1080p (FPS)	128.57	130.07	130.47
Normalized	98.54%	99.69%	100%
Y-Cruncher - 1B (sec)	138.928		
oneDNN - IP Shapes 1D - f32 - CPU (ms)	35.0034	9.70206	11.2312
Normalized	27.72%	100%	86.38%
oneDNN - IP Shapes 3D - f32 - CPU (ms)	6.41178	6.52629	6.6617
Normalized	100%	98.25%	96.25%
oneDNN - IP Shapes 1D - u8s8f32 - CPU (ms)	2.04681	2.6405	2.82193
Normalized	100%	77.52%	72.53%
oneDNN - IP Shapes 3D - u8s8f32 - CPU (ms)	2.53521	2.56851	3.25521
Normalized	100%	98.7%	77.88%
oneDNN - IP Shapes 1D - bf16bf16bf16 - CPU (ms)	23.0975	24.0566	25.3793
Normalized	100%	96.01%	91.01%
oneDNN - IP Shapes 3D - bf16bf16bf16 - CPU (ms)	7.18193	7.26438	8.80495
Normalized	100%	98.87%	81.57%
oneDNN - C.B.S.A - f32 - CPU (ms)	12.804	13.2718	14.5073
Normalized	100%	96.48%	88.26%
oneDNN - D.B.s - f32 - CPU (ms)	16.4301	18.7772	22.5477
Normalized	100%	87.5%	72.87%
oneDNN - D.B.s - f32 - CPU (ms)	13.0263	12.836	11.8248
Normalized	90.78%	92.12%	100%

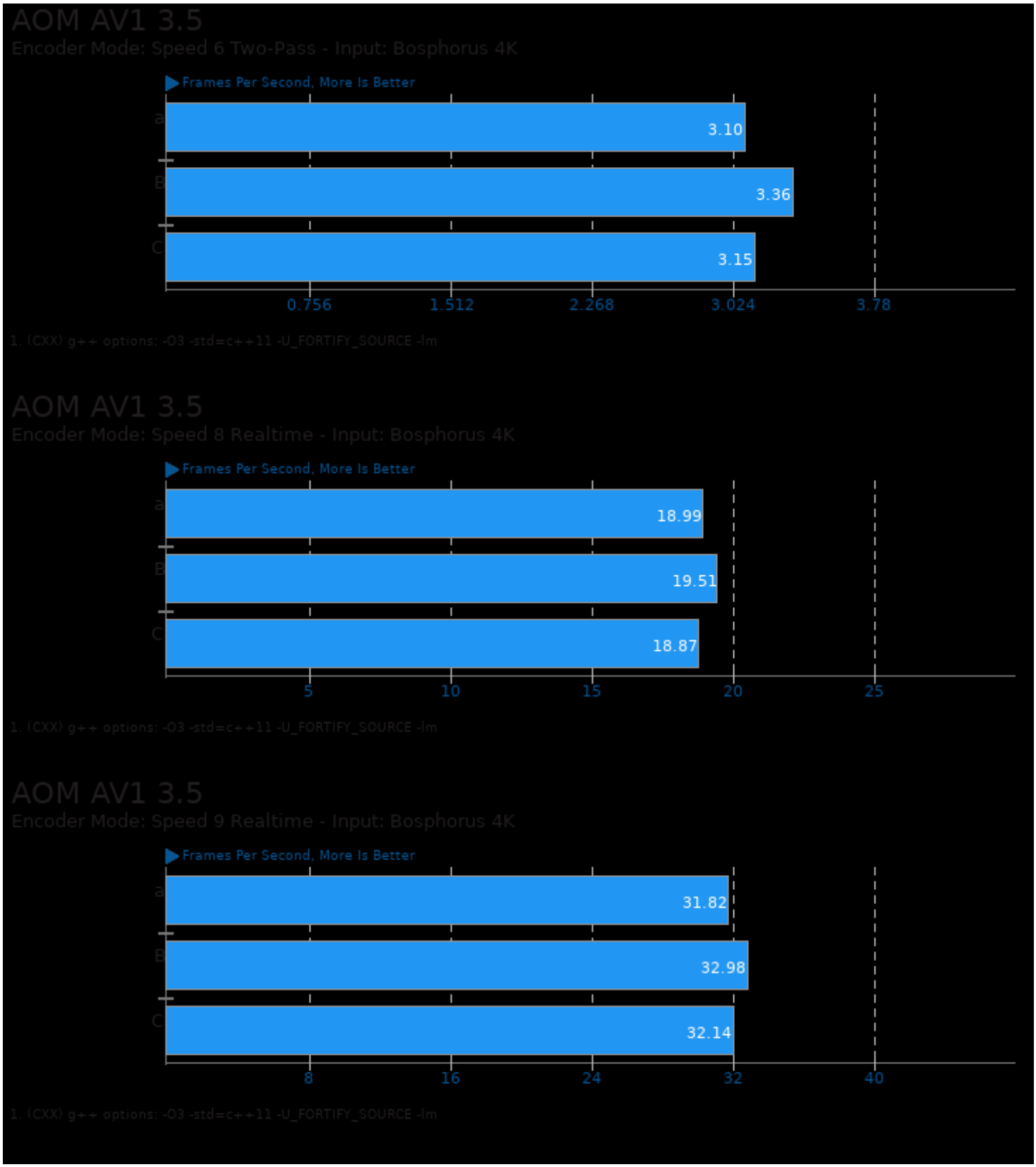
dnn

oneDNN - C.B.S.A - u8s8f32 - CPU (ms)	**11.2055**	11.2428	**11.3214**
Normalized	100%	99.67%	98.98%
oneDNN - D.B.s - u8s8f32 - CPU (ms)	**2.5586**	2.70912	**3.90759**
Normalized	100%	94.44%	65.48%
oneDNN - D.B.s - u8s8f32 - CPU (ms)	**3.09829**	**3.00917**	3.04817
Normalized	97.12%	100%	98.72%
oneDNN - R.N.N.T - f32 - CPU (ms)	**8712**	11576	**11646**
Normalized	100%	75.26%	74.81%
oneDNN - R.N.N.I - f32 - CPU (ms)	**5531**	5891	**6146**
Normalized	100%	93.89%	89.99%
oneDNN - R.N.N.T - u8s8f32 - CPU (ms)	**10530**	11554	**12420**
Normalized	100%	91.14%	84.79%
oneDNN - C.B.S.A - bf16bf16bf16 - CPU (ms)	**46.2928**	46.3443	**55.9285**
Normalized	100%	99.89%	82.77%
oneDNN - D.B.s - bf16bf16bf16 - CPU (ms)	**67.2372**	88.5257	**91.0348**
Normalized	100%	75.95%	73.86%
oneDNN - D.B.s - bf16bf16bf16 - CPU (ms)	**47.594**	47.4315	**45.0487**
Normalized	94.65%	94.98%	100%
oneDNN - R.N.N.I - u8s8f32 - CPU (ms)	**5842**	5885	**5925**
Normalized	100%	99.26%	98.6%
oneDNN - M.M.B.S.T - f32 - CPU (ms)	**3.0983**	4.69934	**4.86282**
Normalized	100%	65.93%	63.71%
oneDNN - R.N.N.T - bf16bf16bf16 - CPU (ms)	**11316**	11562	**11871**
Normalized	100%	97.87%	95.32%
oneDNN - R.N.N.I - bf16bf16bf16 - CPU (ms)	**5690**	5934	**6266**
Normalized	100%	95.89%	90.81%
oneDNN - M.M.B.S.T - u8s8f32 - CPU (ms)	**1.78597**	1.94628	**1.96951**
Normalized	100%	91.76%	90.68%
oneDNN - M.M.B.S.T - bf16bf16bf16 - CPU (ms)	**13.4512**	14.7389	**15.0843**
Normalized	100%	91.26%	89.17%

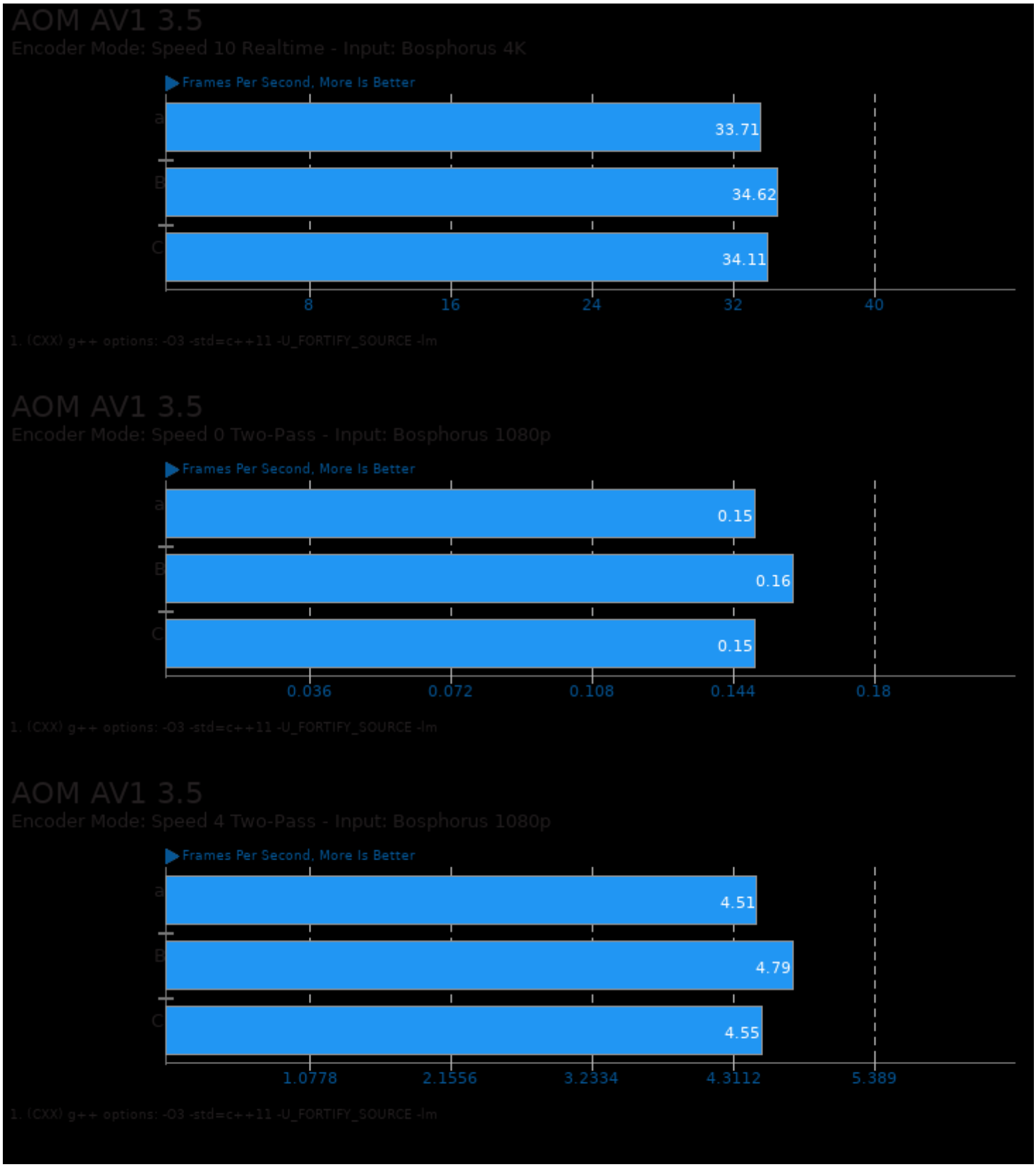
dnn


AOM AV1 3.5
Encoder Mode: Speed 0 Two-Pass - Input: Bosphorus 4K
Frames Per Second, More Is Better
A
B
C
0.05
0.07
0.06
0.0158
0.0316
0.0474
0.0632
0.079
1. (CXX) g++ options: -O3 -std=c++11 -U_FORTIFY_SOURCE -lm
AOM AV1 3.5
Encoder Mode: Speed 4 Two-Pass - Input: Bosphorus 4K
Frames Per Second, More Is Better
A
B
C
1.63
1.85
1.72
0.4163
0.8326
1.2489
1.6652
2.0815
1. (CXX) g++ options: -O3 -std=c++11 -U_FORTIFY_SOURCE -lm
AOM AV1 3.5
Encoder Mode: Speed 6 Realtime - Input: Bosphorus 4K
Frames Per Second, More Is Better
A
B
C
9.64
10.72
10.00
3
6
9
12
15
1. (CXX) g++ options: -O3 -std=c++11 -U_FORTIFY_SOURCE -lm

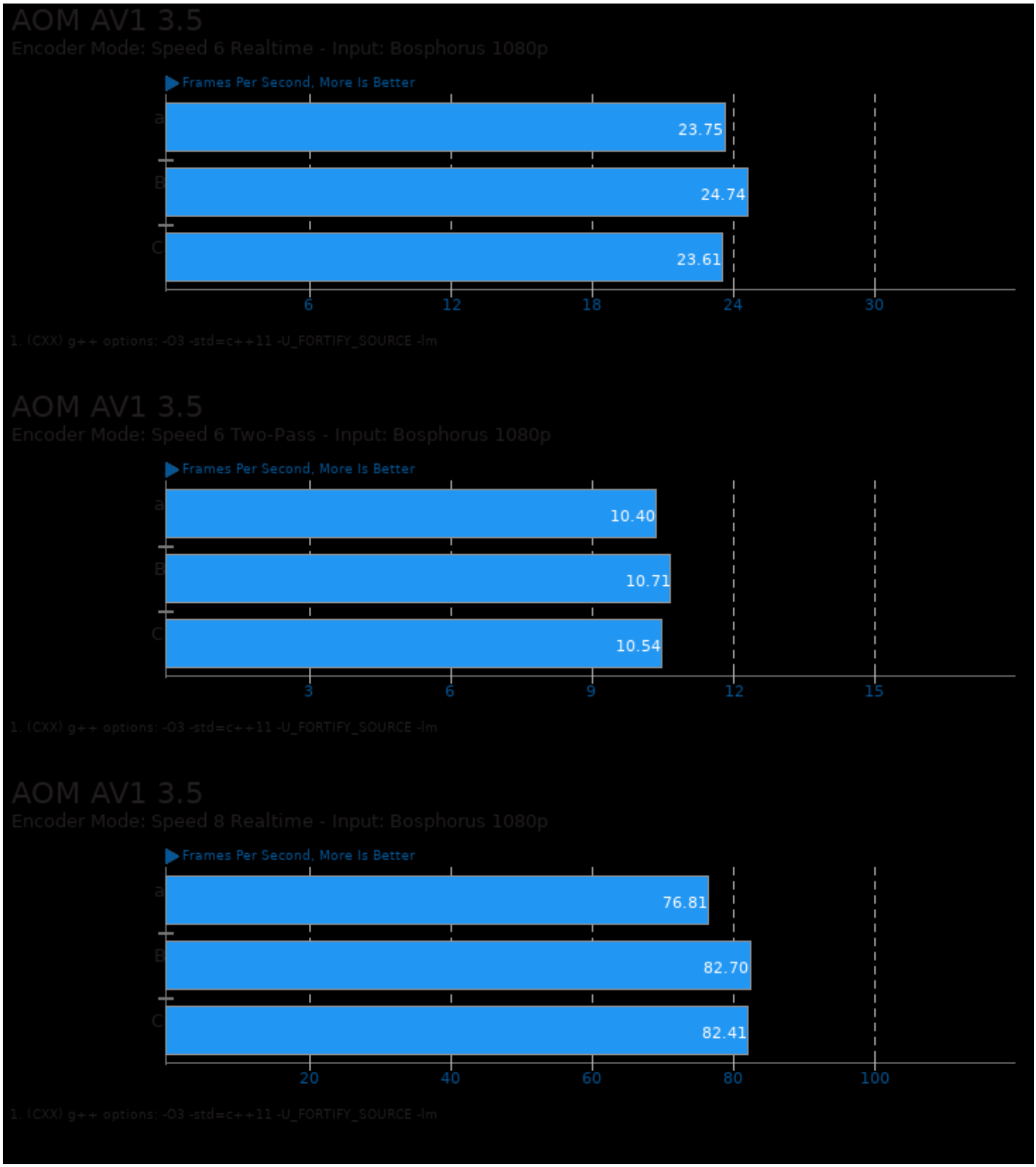
dnn


AOM AV1 3.5
Encoder Mode: Speed 6 Two-Pass - Input: Bosphorus 4K
Frames Per Second, More Is Better
A
B
C
3.10
3.36
3.15
0.756
1.512
2.268
3.024
3.78
1. (CXX) g++ options: -O3 -std=c++11 -U_FORTIFY_SOURCE -lm
AOM AV1 3.5
Encoder Mode: Speed 8 Realtime - Input: Bosphorus 4K
Frames Per Second, More Is Better
A
B
C
18.99
19.51
18.87
5
10
15
20
25
1. (CXX) g++ options: -O3 -std=c++11 -U_FORTIFY_SOURCE -lm
AOM AV1 3.5
Encoder Mode: Speed 9 Realtime - Input: Bosphorus 4K
Frames Per Second, More Is Better
A
B
C
31.82
32.98
32.14
8
16
24
32
40
1. (CXX) g++ options: -O3 -std=c++11 -U_FORTIFY_SOURCE -lm

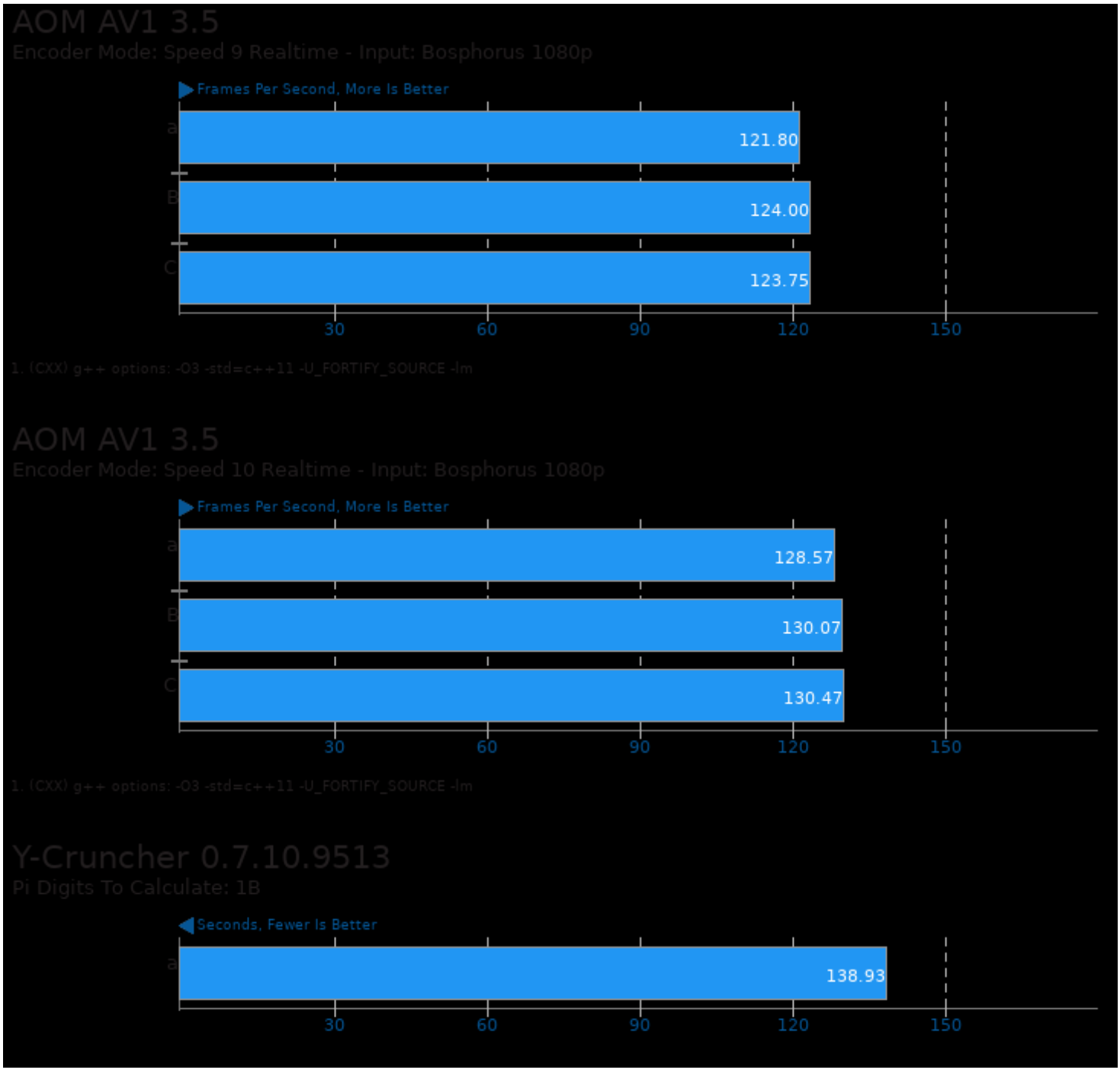
dnn


AOM AV1 3.5
Encoder Mode: Speed 10 Realtime - Input: Bosphorus 4K
Frames Per Second, More Is Better
A
B
C
33.71
34.62
34.11
8
16
24
32
40
1. (CXX) g++ options: -O3 -std=c++11 -U_FORTIFY_SOURCE -lm
AOM AV1 3.5
Encoder Mode: Speed 0 Two-Pass - Input: Bosphorus 1080p
Frames Per Second, More Is Better
A
B
C
0.15
0.16
0.15
0.036
0.072
0.108
0.144
0.18
1. (CXX) g++ options: -O3 -std=c++11 -U_FORTIFY_SOURCE -lm
AOM AV1 3.5
Encoder Mode: Speed 4 Two-Pass - Input: Bosphorus 1080p
Frames Per Second, More Is Better
A
B
C
4.51
4.79
4.55
1.0778
2.1556
3.2334
4.3112
5.389
1. (CXX) g++ options: -O3 -std=c++11 -U_FORTIFY_SOURCE -lm

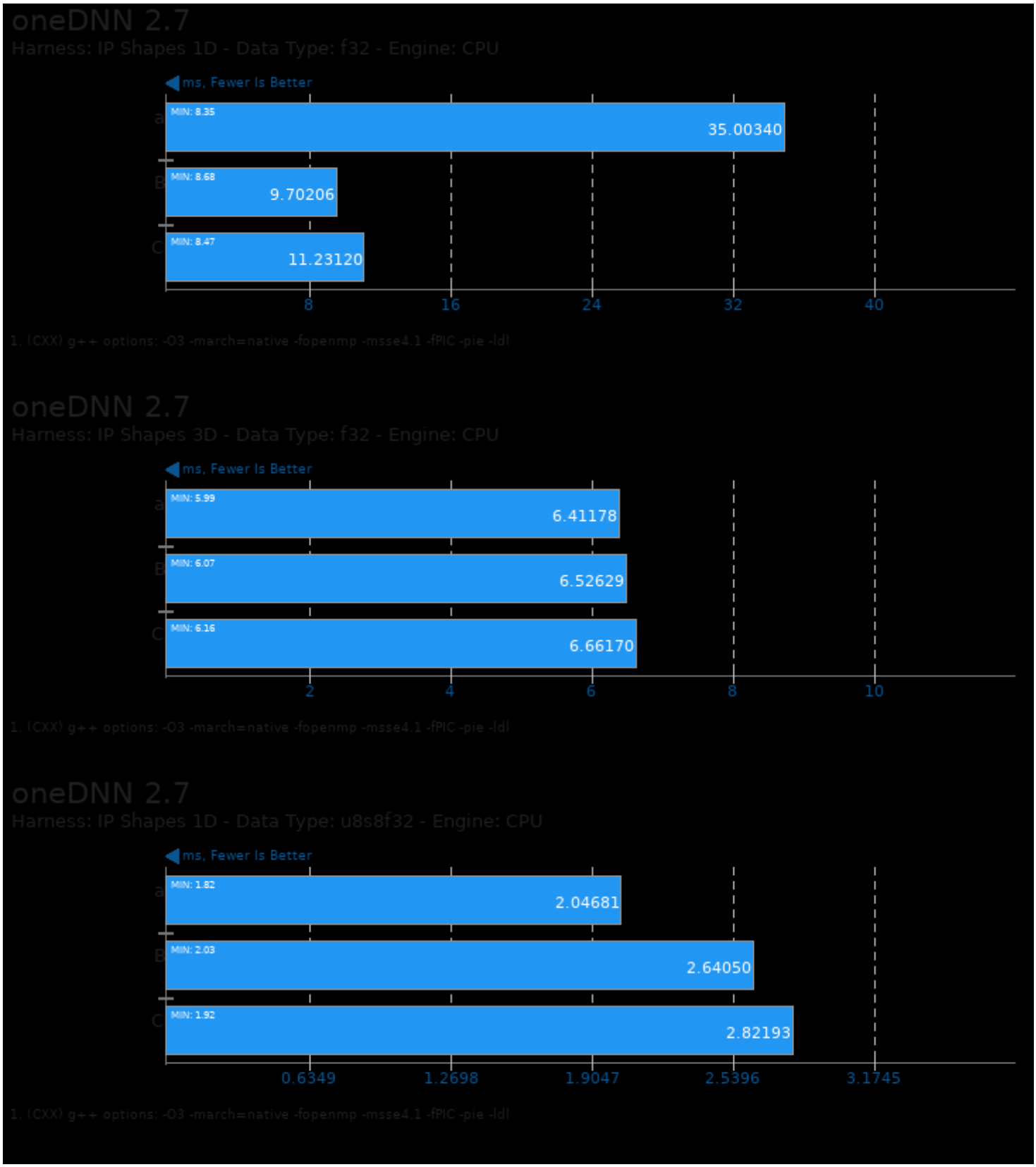
dnn


AOM AV1 3.5
Encoder Mode: Speed 6 Realtime - Input: Bosphorus 1080p
Frames Per Second, More Is Better
A
B
C
23.75
24.74
23.61
6
12
18
24
30
1. (CXX) g++ options: -O3 -std=c++11 -U_FORTIFY_SOURCE -lm
AOM AV1 3.5
Encoder Mode: Speed 6 Two-Pass - Input: Bosphorus 1080p
Frames Per Second, More Is Better
A
B
C
10.40
10.71
10.54
3
6
9
12
15
1. (CXX) g++ options: -O3 -std=c++11 -U_FORTIFY_SOURCE -lm
AOM AV1 3.5
Encoder Mode: Speed 8 Realtime - Input: Bosphorus 1080p
Frames Per Second, More Is Better
A
B
C
76.81
82.70
82.41
20
40
60
80
100
1. (CXX) g++ options: -O3 -std=c++11 -U_FORTIFY_SOURCE -lm

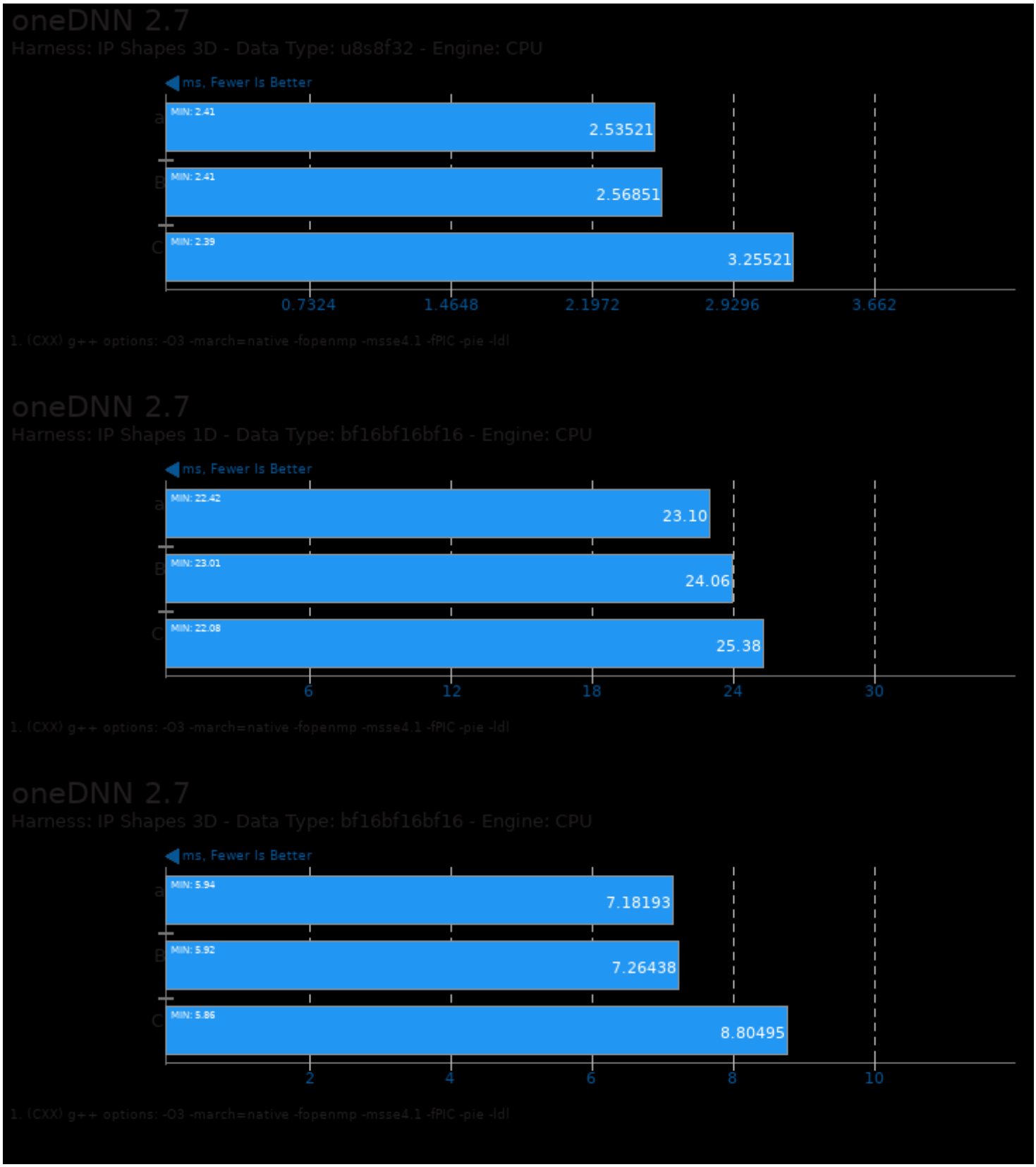
dnn


AOM AV1 3.5
Encoder Mode: Speed 9 Realtime - Input: Bosphorus 1080p
Frames Per Second, More Is Better
A
121.80
B
124.00
C
123.75
30
60
90
120
150
1. (CXX) g++ options: -O3 -std=c++11 -U_FORTIFY_SOURCE -lm
AOM AV1 3.5
Encoder Mode: Speed 10 Realtime - Input: Bosphorus 1080p
Frames Per Second, More Is Better
A
128.57
B
130.07
C
130.47
30
60
90
120
150
1. (CXX) g++ options: -O3 -std=c++11 -U_FORTIFY_SOURCE -lm
Y-Cruncher 0.7.10.9513
Pi Digits To Calculate: 1B
Seconds, Fewer Is Better
A
138.93
30
60
90
120
150

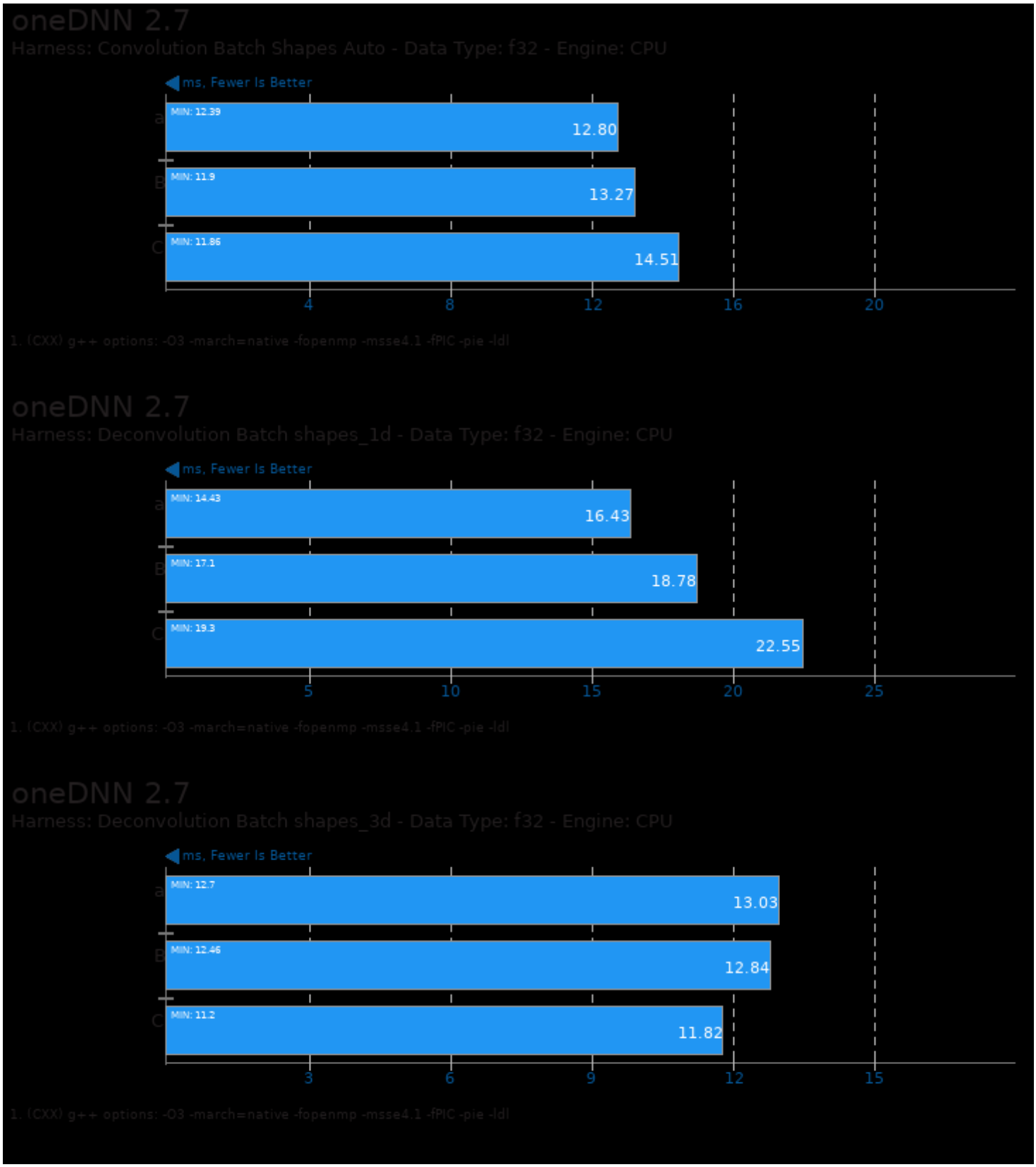
dnn


oneDNN 2.7
Harness: IP Shapes 1D - Data Type: f32 - Engine: CPU
ms, Fewer Is Better
MIN: 8.35
35.00340
MIN: 8.68
9.70206
MIN: 8.47
11.23120
8
16
24
32
40
1. (CXX) g++ options: -O3 -march=native -fopenmp -msse4.1 -fPIC -pie -ldl
oneDNN 2.7
Harness: IP Shapes 3D - Data Type: f32 - Engine: CPU
ms, Fewer Is Better
MIN: 5.99
6.41178
MIN: 6.07
6.52629
MIN: 6.16
6.66170
2
4
6
8
10
1. (CXX) g++ options: -O3 -march=native -fopenmp -msse4.1 -fPIC -pie -ldl
oneDNN 2.7
Harness: IP Shapes 1D - Data Type: u8s8f32 - Engine: CPU
ms, Fewer Is Better
MIN: 1.82
2.04681
MIN: 2.03
2.64050
MIN: 1.92
2.82193
0.6349
1.2698
1.9047
2.5396
3.1745
1. (CXX) g++ options: -O3 -march=native -fopenmp -msse4.1 -fPIC -pie -ldl

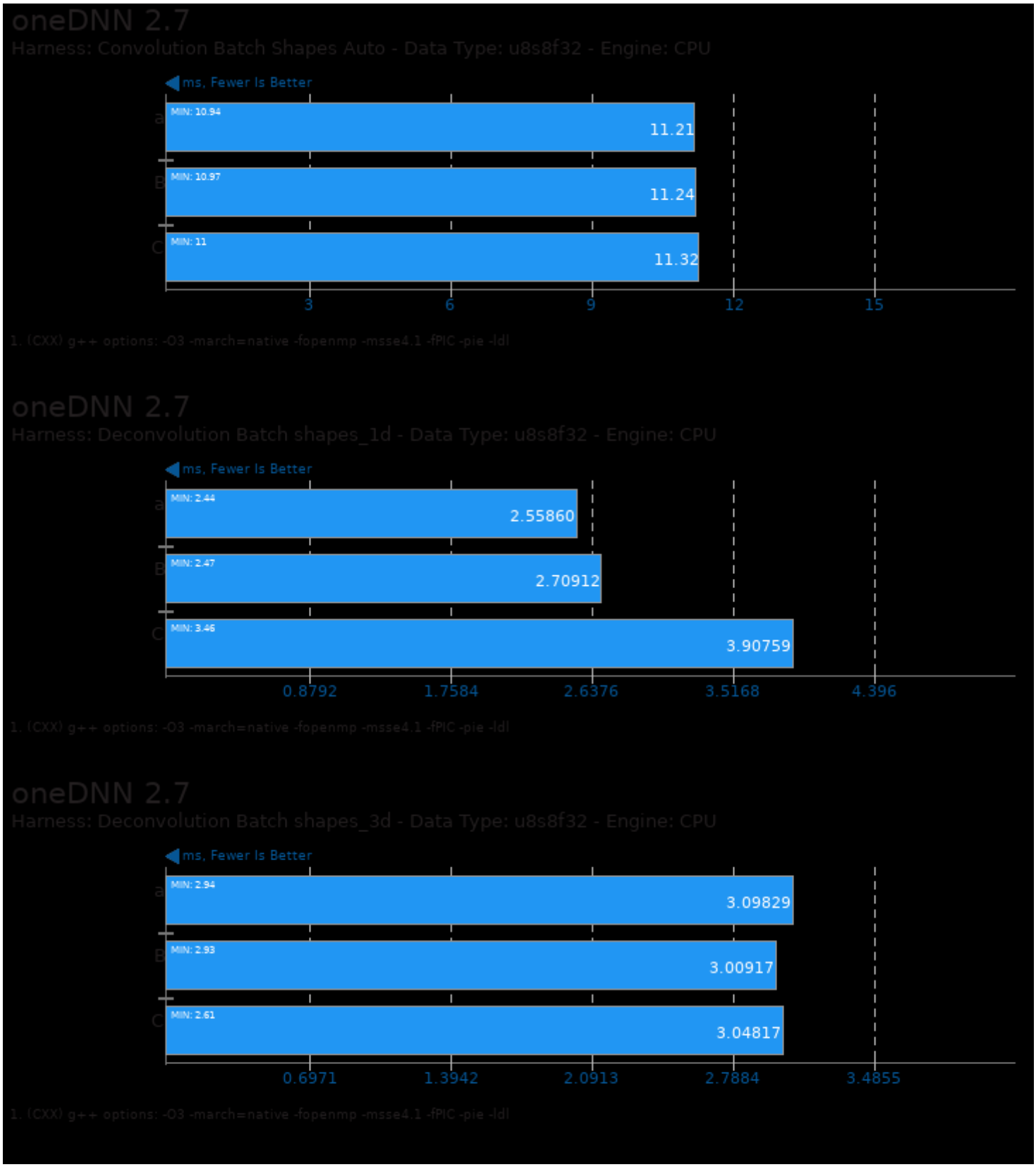
dnn


oneDNN 2.7
Harness: IP Shapes 3D - Data Type: u8s8f32 - Engine: CPU
ms, Fewer Is Better
MIN: 2.41
2.53521
MIN: 2.41
2.56851
MIN: 2.39
3.25521
0.7324
1.4648
2.1972
2.9296
3.662
1. (CXX) g++ options: -O3 -march=native -fopenmp -msse4.1 -fPIC -pie -ldl
oneDNN 2.7
Harness: IP Shapes 1D - Data Type: bf16bf16bf16 - Engine: CPU
ms, Fewer Is Better
MIN: 22.42
23.10
MIN: 23.01
24.06
MIN: 22.08
25.38
6
12
18
24
30
1. (CXX) g++ options: -O3 -march=native -fopenmp -msse4.1 -fPIC -pie -ldl
oneDNN 2.7
Harness: IP Shapes 3D - Data Type: bf16bf16bf16 - Engine: CPU
ms, Fewer Is Better
MIN: 5.94
7.18193
MIN: 5.92
7.26438
MIN: 5.86
8.80495
2
4
6
8
10
1. (CXX) g++ options: -O3 -march=native -fopenmp -msse4.1 -fPIC -pie -ldl

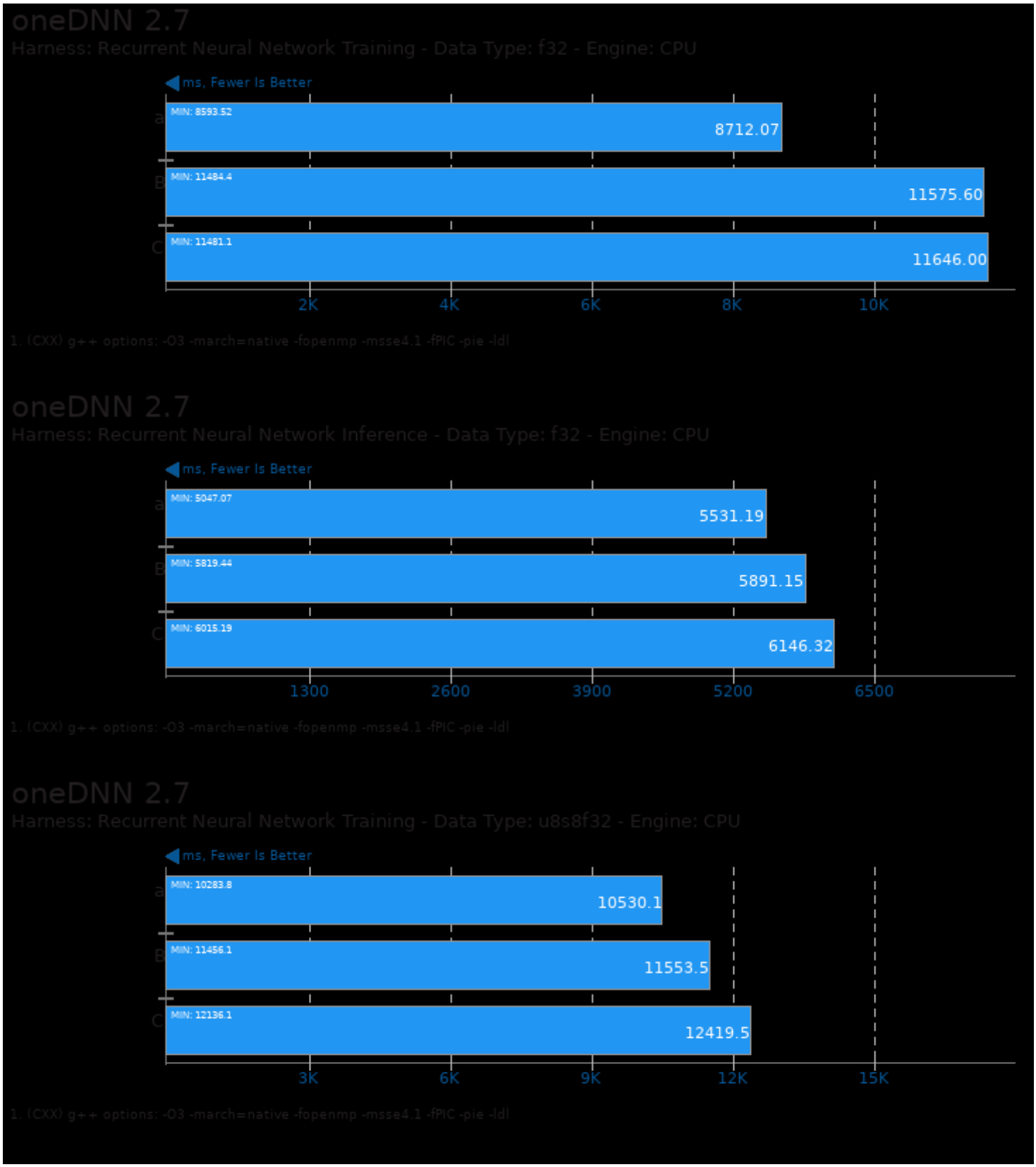
dnn


oneDNN 2.7
Harness: Convolution Batch Shapes Auto - Data Type: f32 - Engine: CPU
ms, Fewer Is Better
MIN: 12.39
12.80
MIN: 11.9
13.27
MIN: 11.86
14.51
4
8
12
16
20
1. (CXX) g++ options: -O3 -march=native -fopenmp -msse4.1 -fPIC -pie -ldl
oneDNN 2.7
Harness: Deconvolution Batch shapes_1d - Data Type: f32 - Engine: CPU
ms, Fewer Is Better
MIN: 14.43
16.43
MIN: 17.1
18.78
MIN: 19.3
22.55
5
10
15
20
25
1. (CXX) g++ options: -O3 -march=native -fopenmp -msse4.1 -fPIC -pie -ldl
oneDNN 2.7
Harness: Deconvolution Batch shapes_3d - Data Type: f32 - Engine: CPU
ms, Fewer Is Better
MIN: 12.7
13.03
MIN: 12.46
12.84
MIN: 11.2
11.82
3
6
9
12
15
1. (CXX) g++ options: -O3 -march=native -fopenmp -msse4.1 -fPIC -pie -ldl

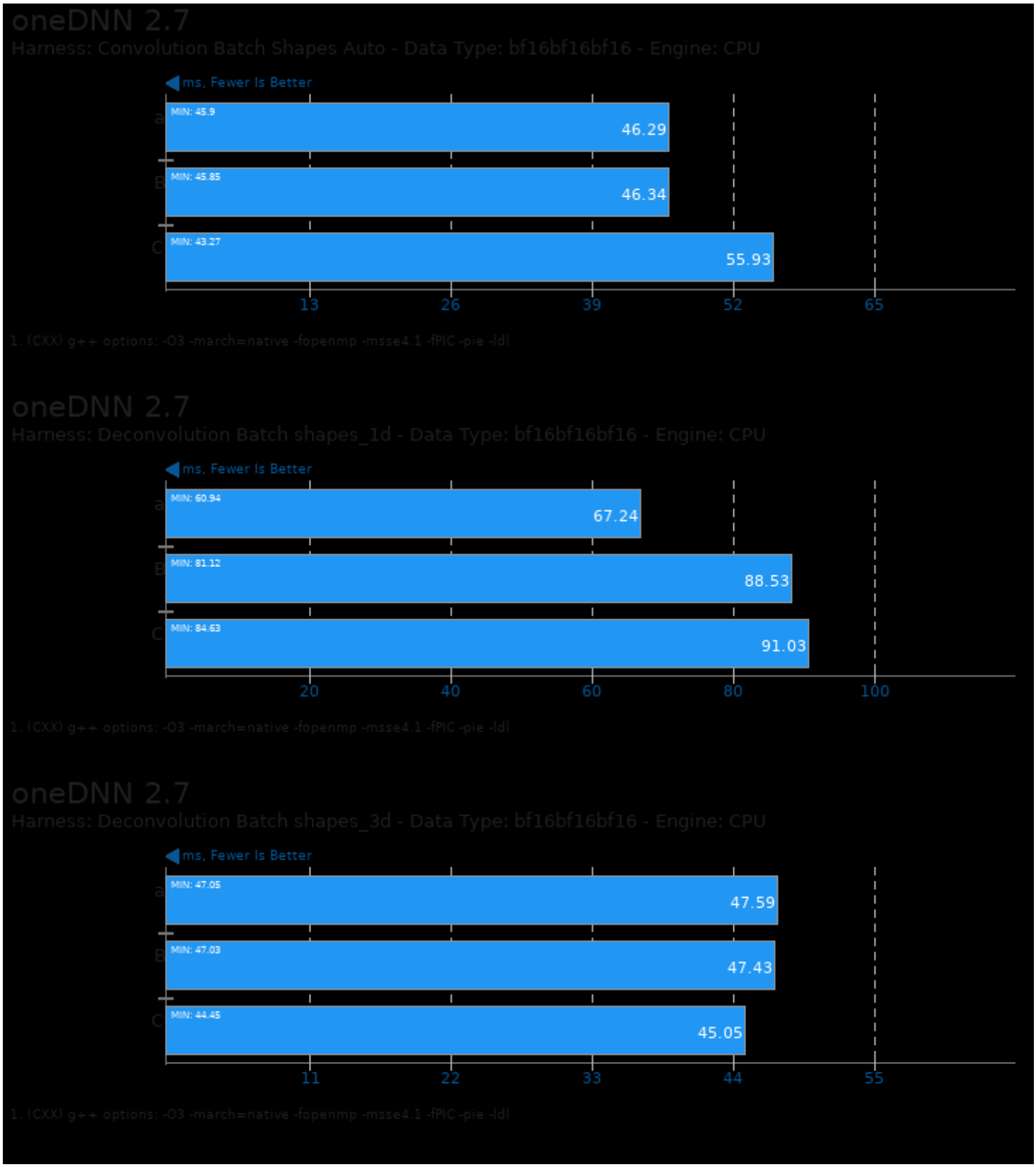
dnn


oneDNN 2.7
Harness: Convolution Batch Shapes Auto - Data Type: u8s8f32 - Engine: CPU
ms, Fewer Is Better
MIN: 10.94
11.21
MIN: 10.97
11.24
MIN: 11
11.32
3
6
9
12
15
1. (CXX) g++ options: -O3 -march=native -fopenmp -msse4.1 -fPIC -pie -ldl
oneDNN 2.7
Harness: Deconvolution Batch shapes_1d - Data Type: u8s8f32 - Engine: CPU
ms, Fewer Is Better
MIN: 2.44
2.55860
MIN: 2.47
2.70912
MIN: 3.46
3.90759
0.8792
1.7584
2.6376
3.5168
4.396
1. (CXX) g++ options: -O3 -march=native -fopenmp -msse4.1 -fPIC -pie -ldl
oneDNN 2.7
Harness: Deconvolution Batch shapes_3d - Data Type: u8s8f32 - Engine: CPU
ms, Fewer Is Better
MIN: 2.94
3.09829
MIN: 2.93
3.00917
MIN: 2.61
3.04817
0.6971
1.3942
2.0913
2.7884
3.4855
1. (CXX) g++ options: -O3 -march=native -fopenmp -msse4.1 -fPIC -pie -ldl

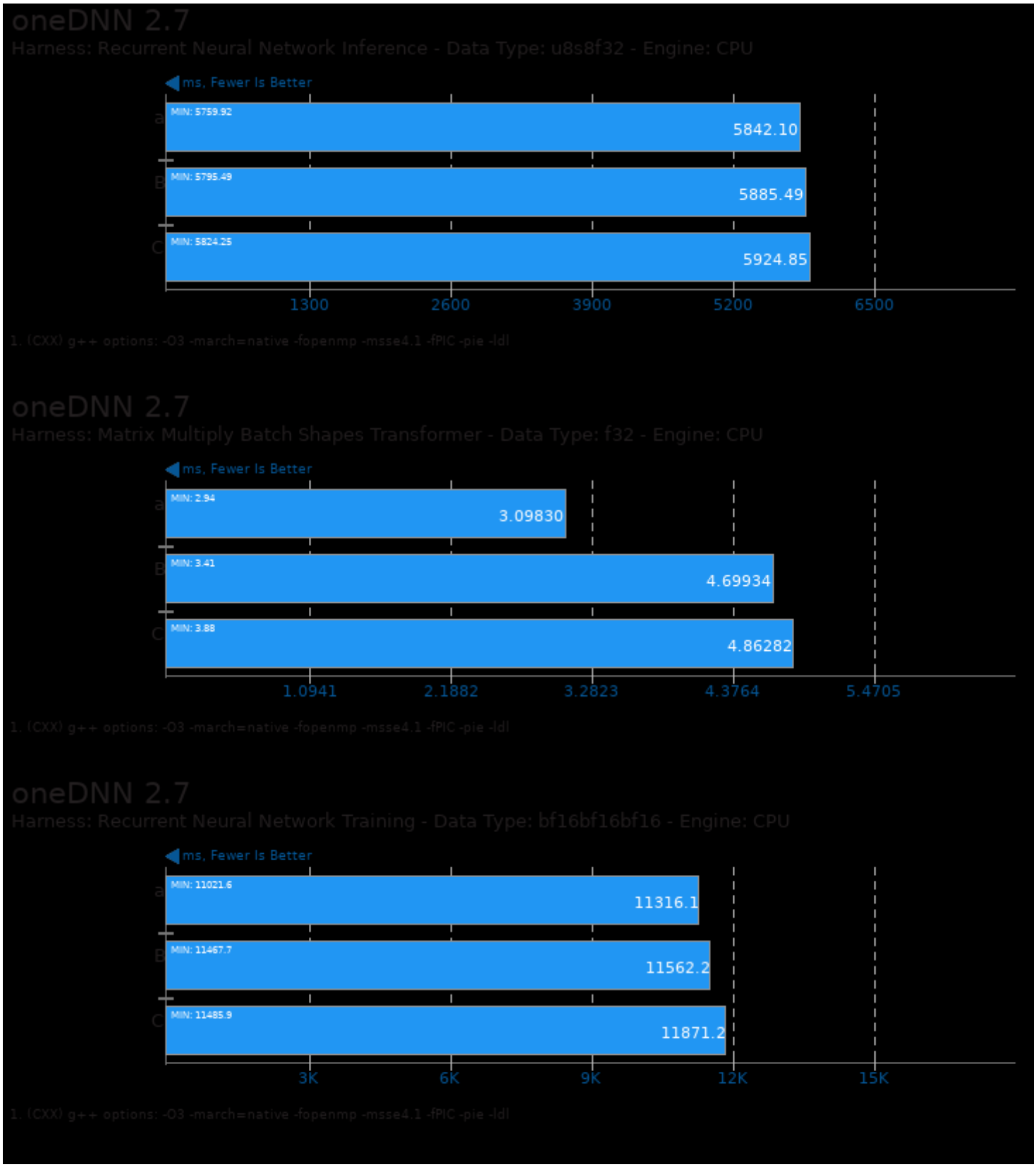
dnn


oneDNN 2.7
Harness: Recurrent Neural Network Training - Data Type: f32 - Engine: CPU
ms, Fewer Is Better
MIN: 8593.52
8712.07
MIN: 11484.4
11575.60
MIN: 11481.1
11646.00
2K
4K
6K
8K
10K
1. (CXX) g++ options: -O3 -march=native -fopenmp -msse4.1 -fPIC -pie -ldl
oneDNN 2.7
Harness: Recurrent Neural Network Inference - Data Type: f32 - Engine: CPU
ms, Fewer Is Better
MIN: 5047.07
5531.19
MIN: 5819.44
5891.15
MIN: 6015.19
6146.32
1300
2600
3900
5200
6500
1. (CXX) g++ options: -O3 -march=native -fopenmp -msse4.1 -fPIC -pie -ldl
oneDNN 2.7
Harness: Recurrent Neural Network Training - Data Type: u8s8f32 - Engine: CPU
ms, Fewer Is Better
MIN: 10283.8
10530.1
MIN: 11456.1
11553.5
MIN: 12136.1
12419.5
3K
6K
9K
12K
15K
1. (CXX) g++ options: -O3 -march=native -fopenmp -msse4.1 -fPIC -pie -ldl

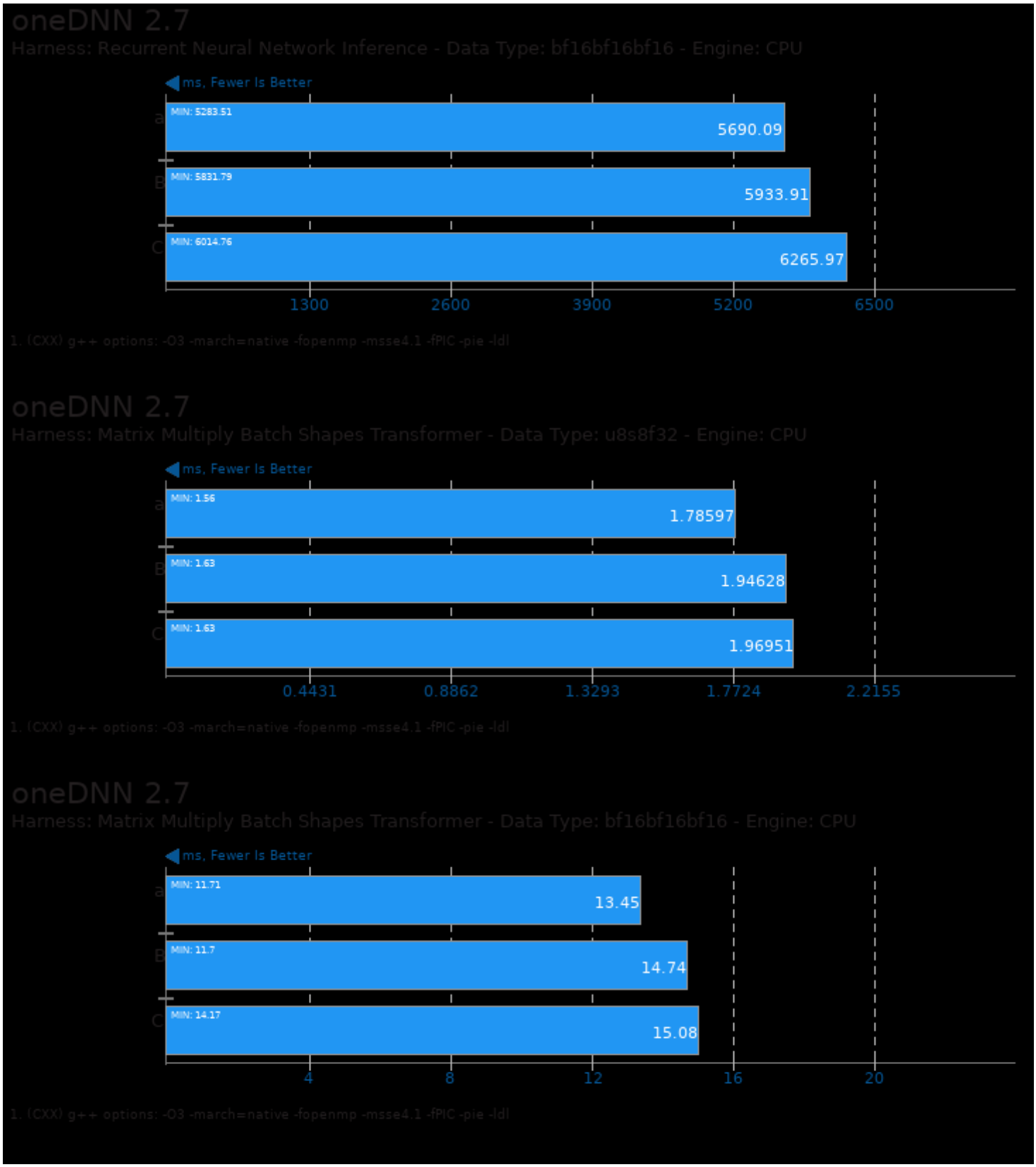
dnn


oneDNN 2.7
Harness: Convolution Batch Shapes Auto - Data Type: bf16bf16bf16 - Engine: CPU
ms, Fewer Is Better
MIN: 45.9
46.29
MIN: 45.85
46.34
MIN: 43.27
55.93
13
26
39
52
65
1. (CXX) g++ options: -O3 -march=native -fopenmp -msse4.1 -fPIC -pie -ldl
oneDNN 2.7
Harness: Deconvolution Batch shapes_1d - Data Type: bf16bf16bf16 - Engine: CPU
ms, Fewer Is Better
MIN: 60.94
67.24
MIN: 81.12
88.53
MIN: 84.63
91.03
20
40
60
80
100
1. (CXX) g++ options: -O3 -march=native -fopenmp -msse4.1 -fPIC -pie -ldl
oneDNN 2.7
Harness: Deconvolution Batch shapes_3d - Data Type: bf16bf16bf16 - Engine: CPU
ms, Fewer Is Better
MIN: 47.05
47.59
MIN: 47.03
47.43
MIN: 44.45
45.05
11
22
33
44
55
1. (CXX) g++ options: -O3 -march=native -fopenmp -msse4.1 -fPIC -pie -ldl

dnn


oneDNN 2.7
Harness: Recurrent Neural Network Inference - Data Type: u8s8f32 - Engine: CPU
ms, Fewer Is Better
MIN: 5759.92
5842.10
MIN: 5795.49
5885.49
MIN: 5824.25
5924.85
1300
2600
3900
5200
6500
1. (CXX) g++ options: -O3 -march=native -fopenmp -msse4.1 -fPIC -pie -ldl
oneDNN 2.7
Harness: Matrix Multiply Batch Shapes Transformer - Data Type: f32 - Engine: CPU
ms, Fewer Is Better
MIN: 2.94
3.09830
MIN: 3.41
4.69934
MIN: 3.88
4.86282
1.0941
2.1882
3.2823
4.3764
5.4705
1. (CXX) g++ options: -O3 -march=native -fopenmp -msse4.1 -fPIC -pie -ldl
oneDNN 2.7
Harness: Recurrent Neural Network Training - Data Type: bf16bf16bf16 - Engine: CPU
ms, Fewer Is Better
MIN: 11021.6
11316.1
MIN: 11467.7
11562.2
MIN: 11485.9
11871.2
3K
6K
9K
12K
15K
1. (CXX) g++ options: -O3 -march=native -fopenmp -msse4.1 -fPIC -pie -ldl

dnn


oneDNN 2.7
Harness: Recurrent Neural Network Inference - Data Type: bf16bf16bf16 - Engine: CPU
ms, Fewer Is Better
MIN: 5283.51
5690.09
MIN: 5831.79
5933.91
MIN: 6014.76
6265.97
1300
2600
3900
5200
6500
1. (CXX) g++ options: -O3 -march=native -fopenmp -msse4.1 -fPIC -pie -ldl
oneDNN 2.7
Harness: Matrix Multiply Batch Shapes Transformer - Data Type: u8s8f32 - Engine: CPU
ms, Fewer Is Better
MIN: 1.56
1.78597
MIN: 1.63
1.94628
MIN: 1.63
1.96951
0.4431
0.8862
1.3293
1.7724
2.2155
1. (CXX) g++ options: -O3 -march=native -fopenmp -msse4.1 -fPIC -pie -ldl
oneDNN 2.7
Harness: Matrix Multiply Batch Shapes Transformer - Data Type: bf16bf16bf16 - Engine: CPU
ms, Fewer Is Better
MIN: 11.71
13.45
MIN: 11.7
14.74
MIN: 14.17
15.08
4
8
12
16
20
1. (CXX) g++ options: -O3 -march=native -fopenmp -msse4.1 -fPIC -pie -ldl

dnn

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



Geometric mean based upon tests: pts/aom-av1 and pts/onednn



Geometric mean based upon tests: pts/aom-av1 and pts/onednn

This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 14:02.