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# liquorix0

Intel Core i5-2300 testing with a Gigabyte Z68P-DS3 and NVIDIA GeForce GTX 560 Ti on Debian testing via the Phoronix Test Suite.

**Automated Executive Summary**

*liquorix0 had the most wins, coming in first place for 50% of the tests.*

*Based on the geometric mean of all complete results, the fastest (liquorix0) was 1.402x the speed of the slowest (FX-4100). wheezy1 was 0.998x the speed of liquorix0, liquorix1 was 0.998x the speed of wheezy1, WHEEZY0 was 0.982x the speed of liquorix1, monserveur4.2GHz was 0.843x the speed of WHEEZY0, monserveur was 0.945x the speed of monserveur4.2GHz, FX-4100 was 0.914x the speed of monserveur.*

## Test Systems:

### liquorix0

Processor: Intel Core i5-2300 @ 3.00GHz (4 Cores), Motherboard: Gigabyte Z68P-DS3, Chipset: Intel 2nd Generation

Core Family, Memory: 2 x 4096 MB 1600MHz, Disk: 120GB OCZ SOLID3 + 2000GB Hitachi HDS5C302, Graphics: NVIDIA GeForce GTX 560 Ti, Audio: NVIDIA GPU 16 HDMI/DP, Network: Realtek RTL8111/8168B

OS: Debian testing, Kernel: 3.0.0-8.dmz.1-liquorix-amd64 (x86_64), Display Driver: NVIDIA 1.0.0, Compiler: GCC 4.6, File-System: ext4

System Notes: Intel SpeedStep was enabled.

## WHEEZY0

Processor: Intel Core i5-2300 @ 2.81GHz (4 Cores), Motherboard: Gigabyte Z68P-DS3, Chipset: Intel 2nd Generation Core Family, Memory: 2 x 4096 MB 1600MHz, Disk: 120GB OCZ SOLID3 + 2000GB Hitachi HDS5C302, Graphics: NVIDIA GeForce GTX 560 Ti, Audio: NVIDIA GPU 16 HDMI/DP, Network: Realtek RTL8111/8168B

OS: Debian testing, Kernel: 3.0.0-1-amd64 (x86_64), Display Driver: NVIDIA 1.0.0, Compiler: GCC 4.6, File-System: ext4

## wheezy1

Processor: Intel Core i5-2300 @ 2.81GHz (4 Cores), Motherboard: Gigabyte Z68P-DS3, Chipset: Intel 2nd Generation Core Family, Memory: 2 x 4096 MB 1600MHz, Disk: 120GB OCZ SOLID3 + 2000GB Hitachi HDS5C302, Graphics: NVIDIA GeForce GTX 560 Ti, Audio: NVIDIA GPU 16 HDMI/DP, Network: Realtek RTL8111/8168B

OS: Debian testing, Kernel: 3.1.0-1-amd64 (x86_64), Display Driver: NVIDIA 1.0.0, Compiler: GCC 4.6, File-System: ext4

## liquorix1

Processor: Intel Core i5-2300 @ 2.81GHz (4 Cores), Motherboard: Gigabyte Z68P-DS3, Chipset: Intel 2nd Generation Core Family, Memory: 2 x 4096 MB 1600MHz, Disk: 120GB OCZ SOLID3 + 2000GB Hitachi HDS5C302, Graphics: NVIDIA GeForce GTX 560 Ti, Audio: NVIDIA GPU 16 HDMI/DP, Network: Realtek RTL8111/8168B

OS: Debian testing, Kernel: 3.0.0-8.dmz.1-liquorix-amd64 (x86_64), Display Driver: NVIDIA 1.0.0, Compiler: GCC 4.6, File-System: ext4

## FX-4100

Processor: AMD FX -4100 @ 3.60GHz (4 Cores), Motherboard: Gigabyte GA-970A-UD3, Memory: 8192MB, Disk: 200GB SAMSUNG SP2004C + 250GB SAMSUNG SP2504C, Graphics: NVIDIA GeForce 8600 GT/PCIe/SSE2 512MB (540/400MHz), Audio: Realtek ALC889

OS: Gentoo Base release 2.0.3, Kernel: 3.2.1-gentoo-r2 (x86_64), Desktop: GNOME 2.32.1, Display Server: X Server 1.11.2, Display Driver: NVIDIA 295.20, OpenGL: 3.3.0 NVIDIA 295.20, Compiler: llvm 2.9, File-System: ext3, Screen Resolution: 1920x1080

System Notes: Firefox, Thunderbird, and BOINC were running on this system. AMD CnQ was enabled.

## monserveur

Processor: AMD FX-4100 @ 3.82GHz (4 Cores), Motherboard: Gigabyte GA-880GMA-USB3, Chipset: AMD RS880, Memory: 8192MB, Disk: 3 x 2000GB Seagate ST2000DL003-9VT1 + 2000GB Seagate ST2000DM001-9YN1 + 60GB Corsair Force 3, Graphics: ATI Radeon HD 4250 512MB (560/667MHz), Audio: Realtek ALC889, Monitor: CMC 22 W, Network: Realtek RTL8111/8168/8411

OS: Ubuntu 12.04, Kernel: 3.2.0-56-generic (x86_64), Desktop: Unity 5.20.0, Display Server: X Server 1.11.3, Display Driver: fglrx 8.96.4, Compiler: GCC 4.6, File-System: ext4, Screen Resolution: 1680x1050

System Notes: Compiz was running on this system.

## monserveur4.2GHz

Processor: AMD FX-4100 @ 4.22GHz (4 Cores), Motherboard: Gigabyte GA-880GMA-USB3, Chipset: AMD RS880, Memory: 8192MB, Disk: 3 x 2000GB Seagate ST2000DL003-9VT1 + 2000GB Seagate ST2000DM001-9YN1 + 60GB Corsair Force 3, Graphics: ATI Radeon HD 4250 512MB (560/667MHz), Audio: Realtek ALC889, Monitor: CMC 22 W, Network: Realtek RTL8111/8168/8411

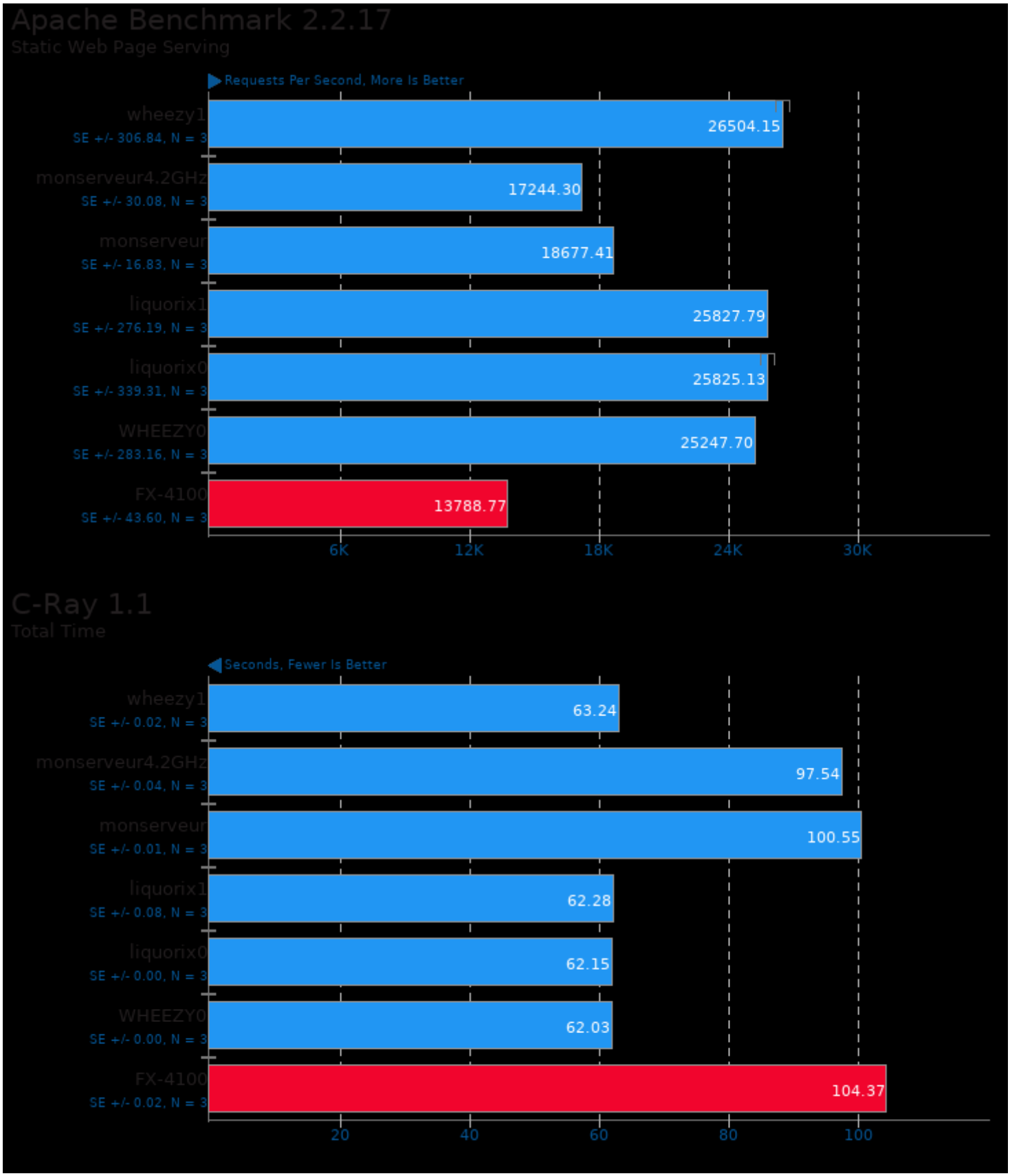
OS: Ubuntu 12.04, Kernel: 3.2.0-57-generic (x86_64), Desktop: Unity 2D 5.20.0, Display Server: X Server 1.11.3, Display Driver: fglrx 8.96.4, Compiler: GCC 4.6, File-System: ext4

| | liquorix0 | WHEEZY0 | wheezy1 | liquorix1 | FX-4100 | monserveur | monserveur 4.2GHz |
|---|---|---|---|---|---|---|---|
| **Apache Benchmark - S.W.P.S (Reqs/sec)** | 25825 | 25248 | **26504** | 25828 | **13789** | 18677 | 17244 |
| **Normalized** | 97.44% | 95.26% | 100% | 97.45% | 52.02% | 70.47% | 65.06% |
| **Standard Deviation** | 2.3% | 1.9% | 2% | 1.9% | 0.5% | 0.2% | 0.3% |
| **C-Ray - Total Time (sec)** | 62.15 | **62.03** | 63.24 | 62.28 | **104.37** | 100.55 | 97.54 |
| **Normalized** | 99.81% | 100% | 98.09% | 99.6% | 59.43% | 61.69% | 63.59% |
| **Standard Deviation** | 0% | 0% | 0.1% | 0.2% | 0% | 0% | 0.1% |
| **Parallel BZIP2 Compression - 2.F.C (sec)** | 12.47 | 12.48 | **12.32** | 12.47 | **17.49** | 15.96 | 15.15 |
| **Normalized** | 98.8% | 98.72% | 100% | 98.8% | 70.44% | 77.19% | 81.32% |
| **Standard Deviation** | 0.4% | 0.4% | 0.4% | 0.8% | 0.6% | 1.3% | 1.4% |
| **x264 - H.2.V.E (FPS)** | **69.57** | 66.47 | 66.70 | 69.07 | **50.35** | | 56.24 |
| **Normalized** | 100% | 95.54% | 95.87% | 99.28% | 72.37% | | 80.84% |
| **Standard Deviation** | 0.1% | 1.1% | 1.1% | 1.6% | 2.7% | | 1.2% |
| **LAME MP3 Encoding - WAV To MP3 (sec)** | **22.73** | 24.26 | **22.73** | 22.78 | **30.53** | 30.06 | 26.73 |
| **Normalized** | 100% | 93.69% | 100% | 99.78% | 74.45% | 75.62% | 85.04% |
| **Standard Deviation** | 0.1% | 0.2% | 0.3% | 0.4% | 0.3% | 0.2% | 0.1% |
| **Timed MAFFT Alignment - M.S.A (sec)** | **22.92** | 24.59 | 23.01 | 22.96 | **30.19** | | |
| **Normalized** | 100% | 93.21% | 99.61% | 99.83% | 75.92% | | |
| **Standard Deviation** | 0.1% | 0.4% | 0.3% | 0.5% | 0.4% | | |

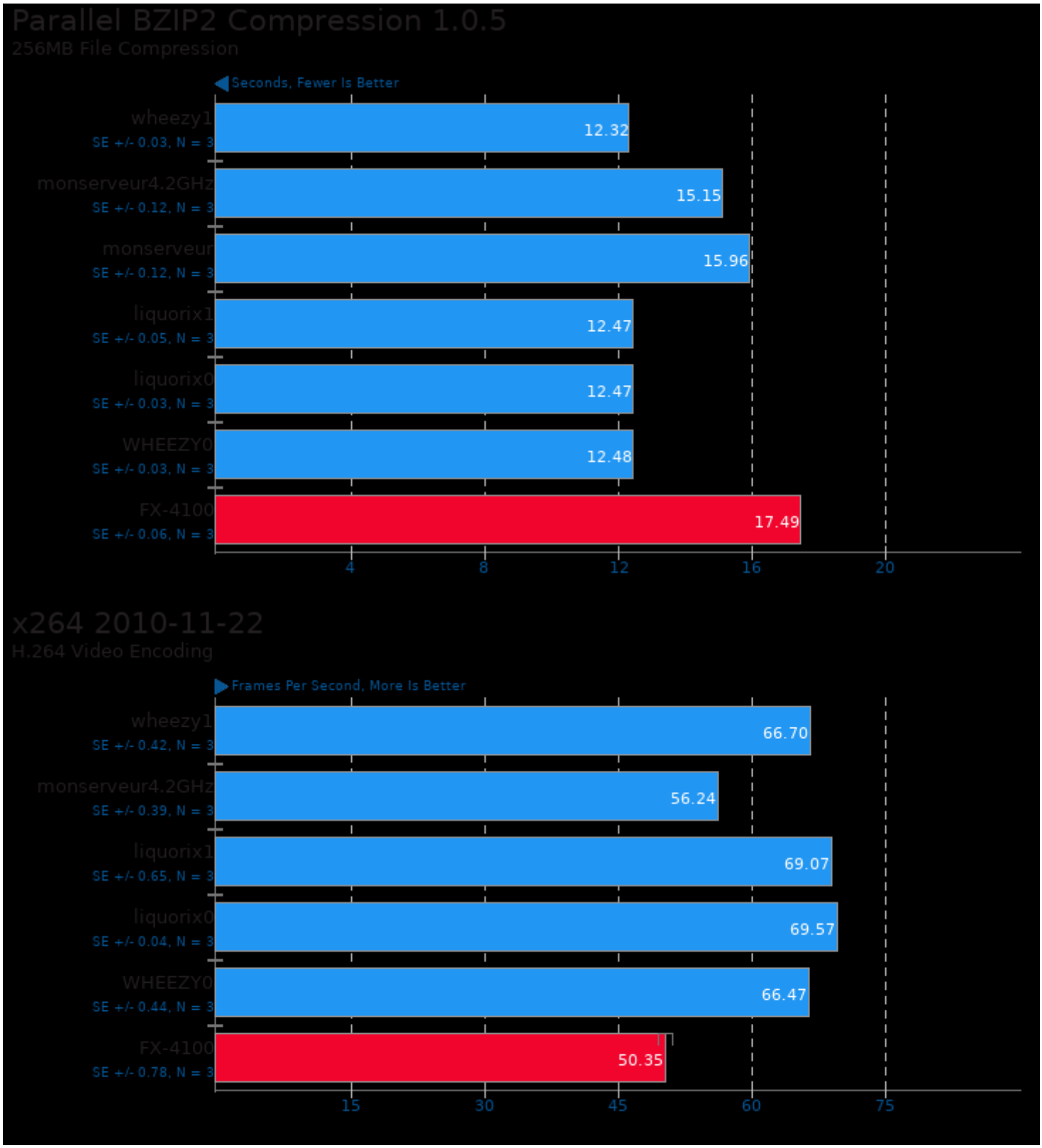
# liquorix0

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **FLAC Audio Encoding - WAV To FLAC (sec)** | **7.26** | 7.76 | 7.28 | 7.27 | **9.47** | 8.77 | 7.83 |
| **Normalized** | 100% | 93.56% | 99.73% | 99.86% | 76.66% | 82.78% | 92.72% |
| **Standard Deviation** | 0.1% | 0.3% | 0.5% | 0.6% | 0.4% | 0% | 0.1% |
| **7-Zip Compression - C.S.T (MIPS)** | 11400 | 11241 | 11257 | **11414** | **9047** | 9433 | 10405 |
| **Normalized** | 99.88% | 98.48% | 98.62% | 100% | 79.26% | 82.64% | 91.16% |
| **Standard Deviation** | 0.1% | 0.4% | 0.3% | 0.1% | 1.2% | 0.1% | 0.5% |
| **Smallpt - G.I.R.1.S (sec)** | **174** | **174** | **174** | 176 | **217** | 200 | 195 |
| **Normalized** | 100% | 100% | 100% | 98.86% | 80.18% | 87% | 89.23% |
| **Standard Deviation** | 0% | 0.9% | 0.3% | 0.7% | 0% | 0% | 0.3% |
| **Crafty - Elapsed Time** | 385.56 | 411.35 | 385.24 | **385.15** | **478.55** | | |
| **Normalized** | 99.89% | 93.63% | 99.98% | 100% | 80.48% | | |
| **Standard Deviation** | 0.6% | 0.2% | 0.2% | 0.5% | 0.3% | | |
| **FFmpeg - AVI To NTSC VCD (sec)** | **9.80** | 9.85 | 9.98 | 9.89 | **12.04** | 11.24 | 10.22 |
| **Normalized** | 100% | 99.49% | 98.2% | 99.09% | 81.4% | 87.19% | 95.89% |
| **Standard Deviation** | 0.4% | 2% | 1.7% | 2.2% | 3.3% | 0.4% | 0.2% |
| **GraphicsMagick - Resizing (Iterations/min)** | 110 | 103 | 108 | **111** | **91** | | |
| **Normalized** | 99.1% | 92.79% | 97.3% | 100% | 81.98% | | |
| **Standard Deviation** | 0.5% | 0% | 0% | 0% | 0.6% | | |
| **GraphicsMagick - HWB Color Space** | 140 | 132 | 138 | **141** | **120** | | |
| **Normalized** | 99.29% | 93.62% | 97.87% | 100% | 85.11% | | |
| **Standard Deviation** | 0% | 0.4% | 0% | 0.4% | 1% | | |
| **GraphicsMagick - Sharpen (Iterations/min)** | **41** | 40 | **41** | **41** | **36** | | |
| **Normalized** | 100% | 97.56% | 100% | 100% | 87.8% | | |
| **Standard Deviation** | 0% | 0% | 0% | 0% | 0% | | |
| **POV-Ray - Total Time** | 829 | 883 | 825 | 825 | | **926** | **820** |
| **Normalized** | 98.91% | 92.87% | 99.39% | 99.39% | | 88.55% | 100% |
| **GraphicsMagick - L.A.T (Iterations/min)** | **44** | 43 | **44** | **44** | **40** | | |
| **Normalized** | 100% | 97.73% | 100% | 100% | 90.91% | | |
| **Standard Deviation** | 0% | 0% | 0% | 0% | 1.4% | | |

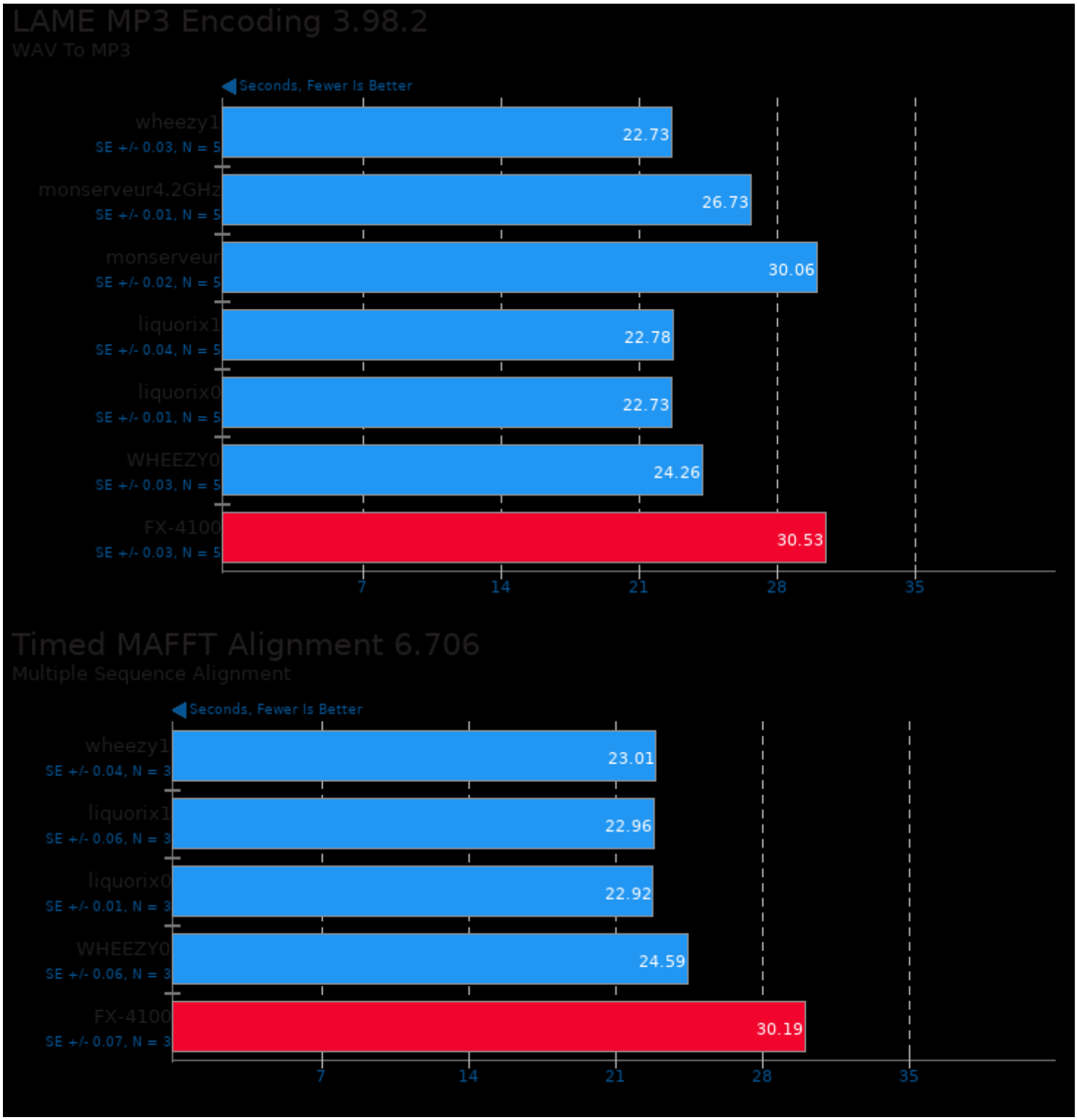
# liquorix0


Apache Benchmark 2.2.17
Static Web Page Serving
Requests Per Second, More Is Better
wheezy1
SE +/- 306.84, N = 3
26504.15
monserveur4.2GHz
SE +/- 30.08, N = 3
17244.30
monserveur
SE +/- 16.83, N = 3
18677.41
liquorix1
SE +/- 276.19, N = 3
25827.79
liquorix0
SE +/- 339.31, N = 3
25825.13
WHEEZY0
SE +/- 283.16, N = 3
25247.70
FX-4100
SE +/- 43.60, N = 3
13788.77
6K
12K
18K
24K
30K
C-Ray 1.1
Total Time
Seconds, Fewer Is Better
wheezy1
SE +/- 0.02, N = 3
63.24
monserveur4.2GHz
SE +/- 0.04, N = 3
97.54
monserveur
SE +/- 0.01, N = 3
100.55
liquorix1
SE +/- 0.08, N = 3
62.28
liquorix0
SE +/- 0.00, N = 3
62.15
WHEEZY0
SE +/- 0.00, N = 3
62.03
FX-4100
SE +/- 0.02, N = 3
104.37
20
40
60
80
100

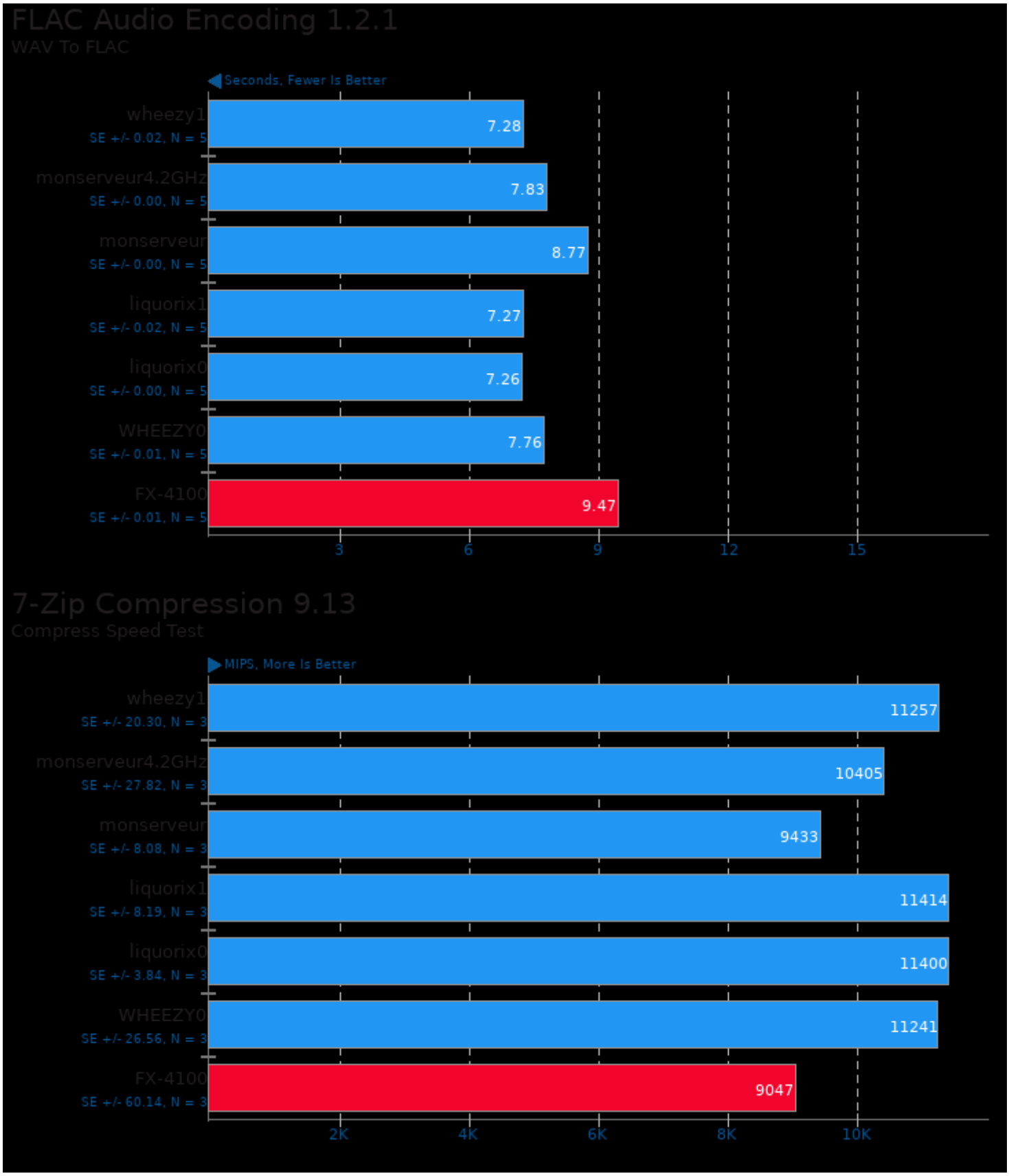
# liquorix0


Parallel BZIP2 Compression 1.0.5
256MB File Compression
Seconds, Fewer Is Better
wheezy1
SE +/- 0.03, N = 3
12.32
monserveur4.2GHz
SE +/- 0.12, N = 3
15.15
monserveur
SE +/- 0.12, N = 3
15.96
liquorix1
SE +/- 0.05, N = 3
12.47
liquorix0
SE +/- 0.03, N = 3
12.47
WHEEZY0
SE +/- 0.03, N = 3
12.48
FX-4100
SE +/- 0.06, N = 3
17.49
4
8
12
16
20
x264 2010-11-22
H.264 Video Encoding
Frames Per Second, More Is Better
wheezy1
SE +/- 0.42, N = 3
66.70
monserveur4.2GHz
SE +/- 0.39, N = 3
56.24
liquorix1
SE +/- 0.65, N = 3
69.07
liquorix0
SE +/- 0.04, N = 3
69.57
WHEEZY0
SE +/- 0.44, N = 3
66.47
FX-4100
SE +/- 0.78, N = 3
50.35
15
30
45
60
75

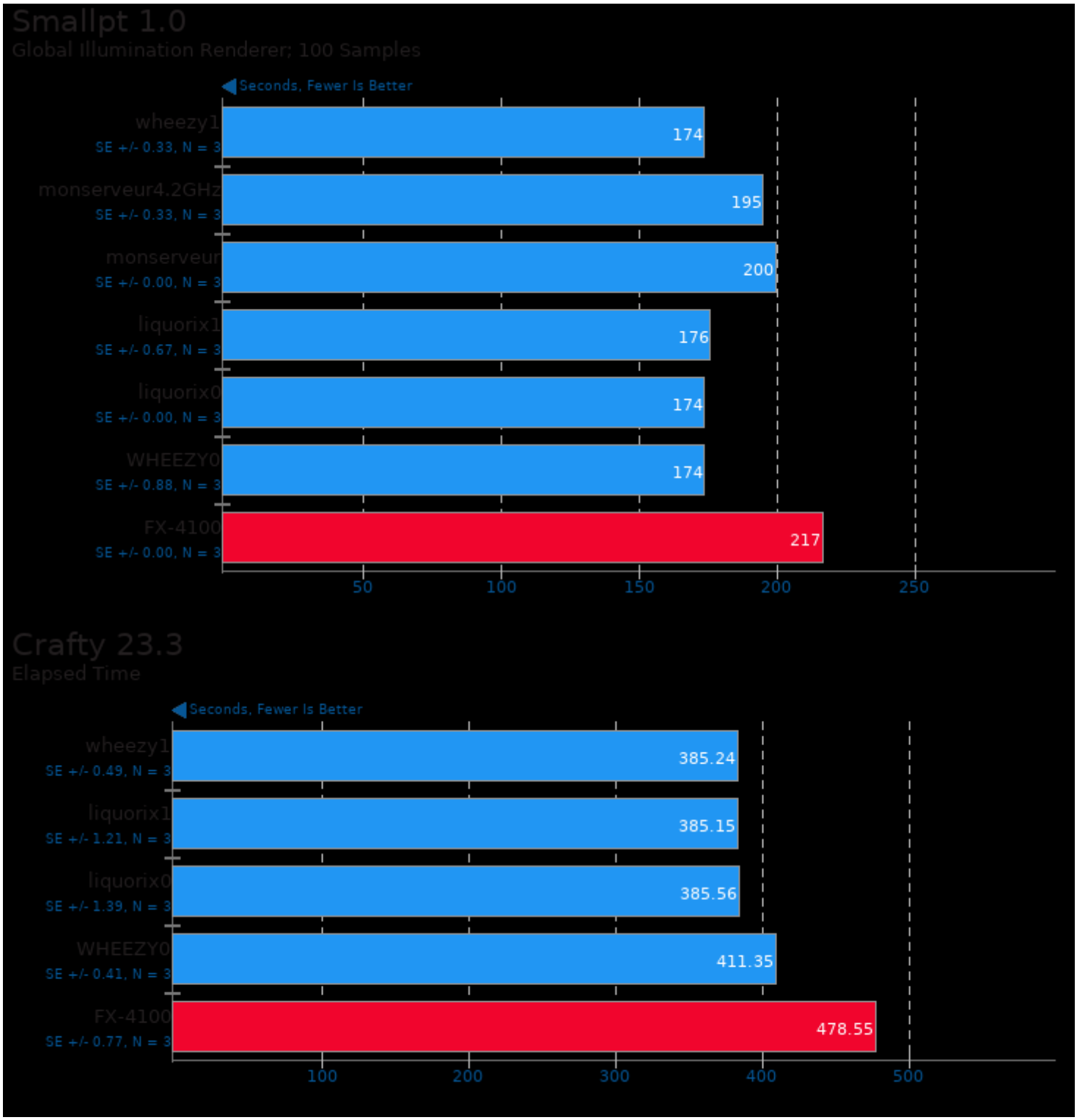
# liquorix0


LAME MP3 Encoding 3.98.2
WAV To MP3
Seconds, Fewer Is Better
wheezy1
SE +/- 0.03, N = 5
22.73
monserveur4.2GHz
SE +/- 0.01, N = 5
26.73
monserveur
SE +/- 0.02, N = 5
30.06
liquorix1
SE +/- 0.04, N = 5
22.78
liquorix0
SE +/- 0.01, N = 5
22.73
WHEEZY0
SE +/- 0.03, N = 5
24.26
FX-4100
SE +/- 0.03, N = 5
30.53
7
14
21
28
35
Timed MAFFT Alignment 6.706
Multiple Sequence Alignment
Seconds, Fewer Is Better
wheezy1
SE +/- 0.04, N = 3
23.01
liquorix1
SE +/- 0.06, N = 3
22.96
liquorix0
SE +/- 0.01, N = 3
22.92
WHEEZY0
SE +/- 0.06, N = 3
24.59
FX-4100
SE +/- 0.07, N = 3
30.19
7
14
21
28
35

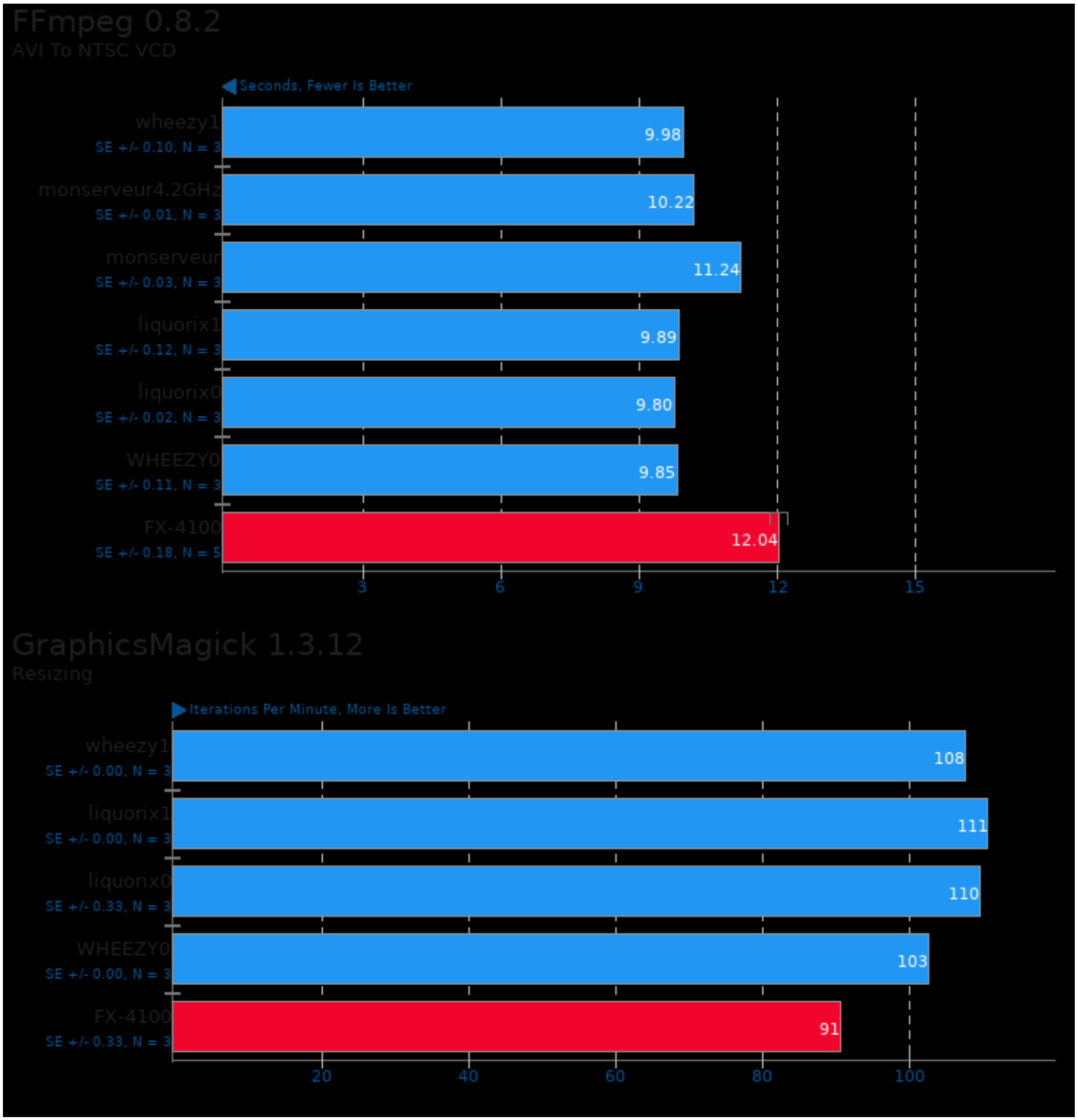
# liquorix0


FLAC Audio Encoding 1.2.1
WAV To FLAC
Seconds, Fewer Is Better
wheezy1
SE +/- 0.02, N = 5
7.28
monserveur4.2GHz
SE +/- 0.00, N = 5
7.83
monserveur
SE +/- 0.00, N = 5
8.77
liquorix1
SE +/- 0.02, N = 5
7.27
liquorix0
SE +/- 0.00, N = 5
7.26
WHEEZY0
SE +/- 0.01, N = 5
7.76
FX-4100
SE +/- 0.01, N = 5
9.47
3
6
9
12
15
7-Zip Compression 9.13
Compress Speed Test
MIPS, More Is Better
wheezy1
SE +/- 20.30, N = 3
11257
monserveur4.2GHz
SE +/- 27.82, N = 3
10405
monserveur
SE +/- 8.08, N = 3
9433
liquorix1
SE +/- 8.19, N = 3
11414
liquorix0
SE +/- 3.84, N = 3
11400
WHEEZY0
SE +/- 26.56, N = 3
11241
FX-4100
SE +/- 60.14, N = 3
9047
2K
4K
6K
8K
10K

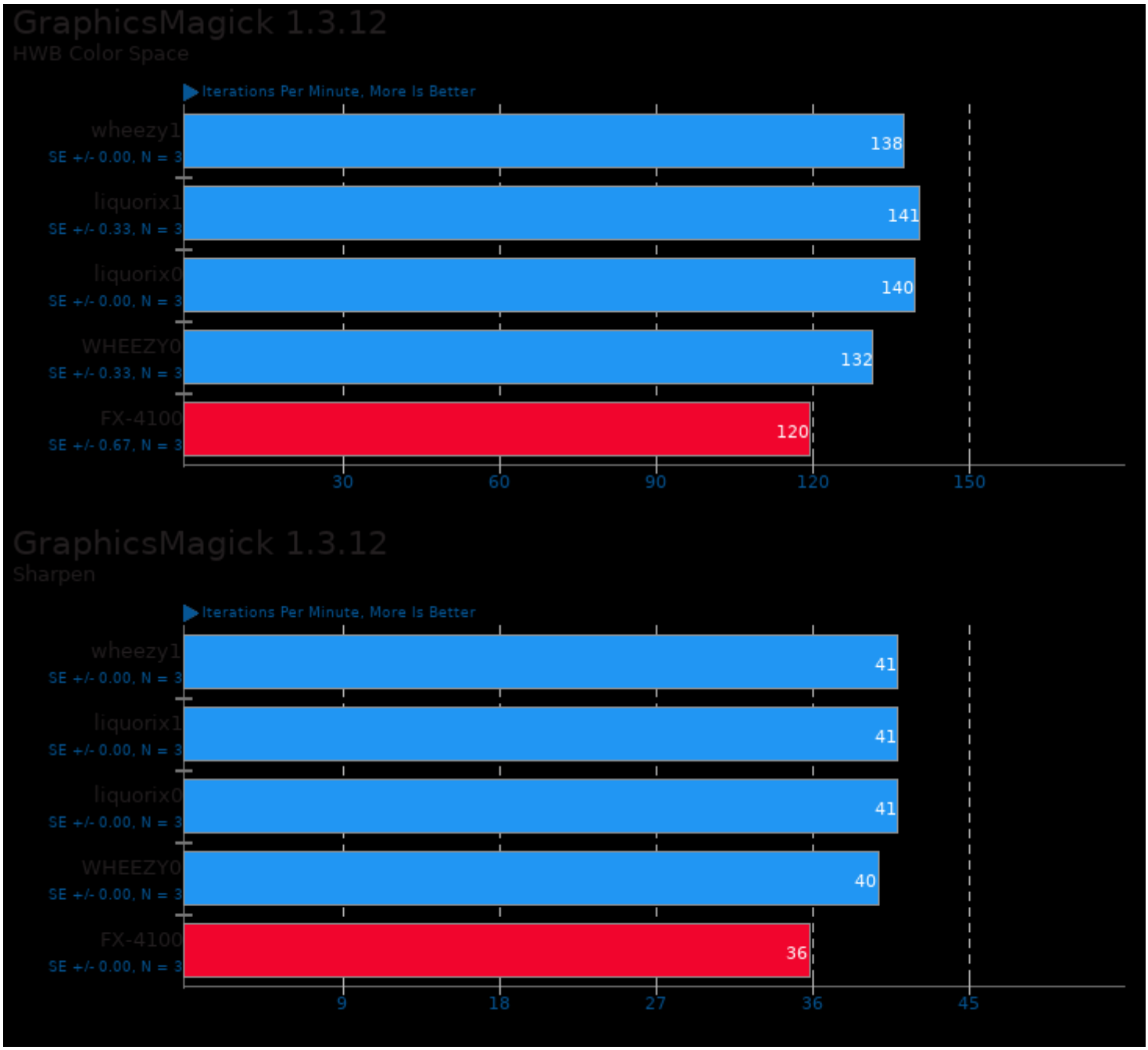
# liquorix0


Smallpt 1.0
Global Illumination Renderer; 100 Samples
Seconds, Fewer Is Better
wheezy1
SE +/- 0.33, N = 3
174
monserveur4.2GHz
SE +/- 0.33, N = 3
195
monserveur
SE +/- 0.00, N = 3
200
liquorix1
SE +/- 0.67, N = 3
176
liquorix0
SE +/- 0.00, N = 3
174
WHEEZY0
SE +/- 0.88, N = 3
174
FX-4100
SE +/- 0.00, N = 3
217
50
100
150
200
250
Crafty 23.3
Elapsed Time
Seconds, Fewer Is Better
wheezy1
SE +/- 0.49, N = 3
385.24
liquorix1
SE +/- 1.21, N = 3
385.15
liquorix0
SE +/- 1.39, N = 3
385.56
WHEEZY0
SE +/- 0.41, N = 3
411.35
FX-4100
SE +/- 0.77, N = 3
478.55
100
200
300
400
500

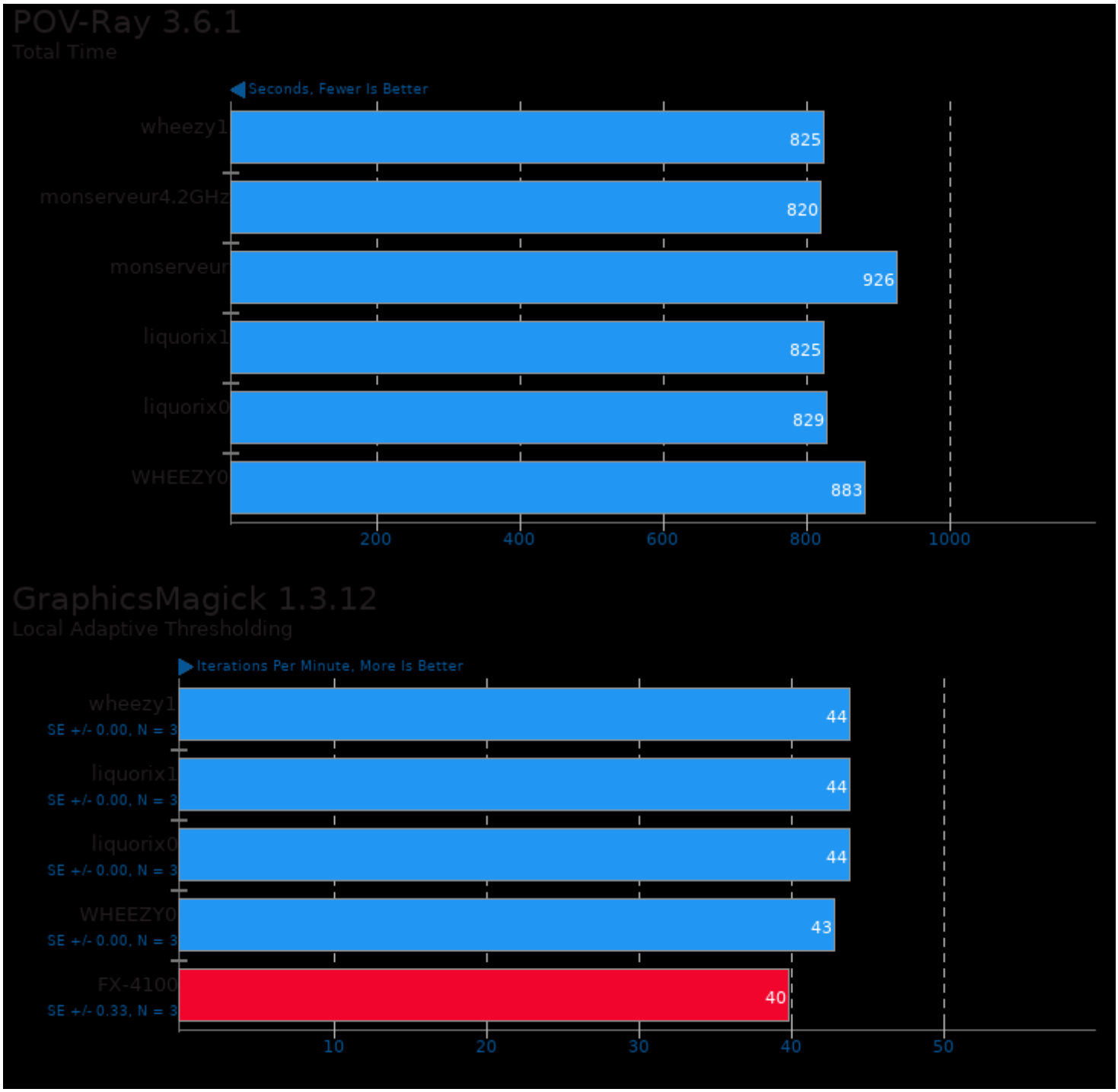
# liquorix0


FFmpeg 0.8.2
AVI To NTSC VCD
Seconds, Fewer Is Better
wheezy1
SE +/- 0.10, N = 3
9.98
monserveur4.2GHz
SE +/- 0.01, N = 3
10.22
monserveur
SE +/- 0.03, N = 3
11.24
liquorix1
SE +/- 0.12, N = 3
9.89
liquorix0
SE +/- 0.02, N = 3
9.80
WHEEZY0
SE +/- 0.11, N = 3
9.85
FX-4100
SE +/- 0.18, N = 5
12.04
3
6
9
12
15
GraphicsMagick 1.3.12
Resizing
Iterations Per Minute, More Is Better
wheezy1
SE +/- 0.00, N = 3
108
liquorix1
SE +/- 0.00, N = 3
111
liquorix0
SE +/- 0.33, N = 3
110
WHEEZY0
SE +/- 0.00, N = 3
103
FX-4100
SE +/- 0.33, N = 3
91
20
40
60
80
100

# liquorix0

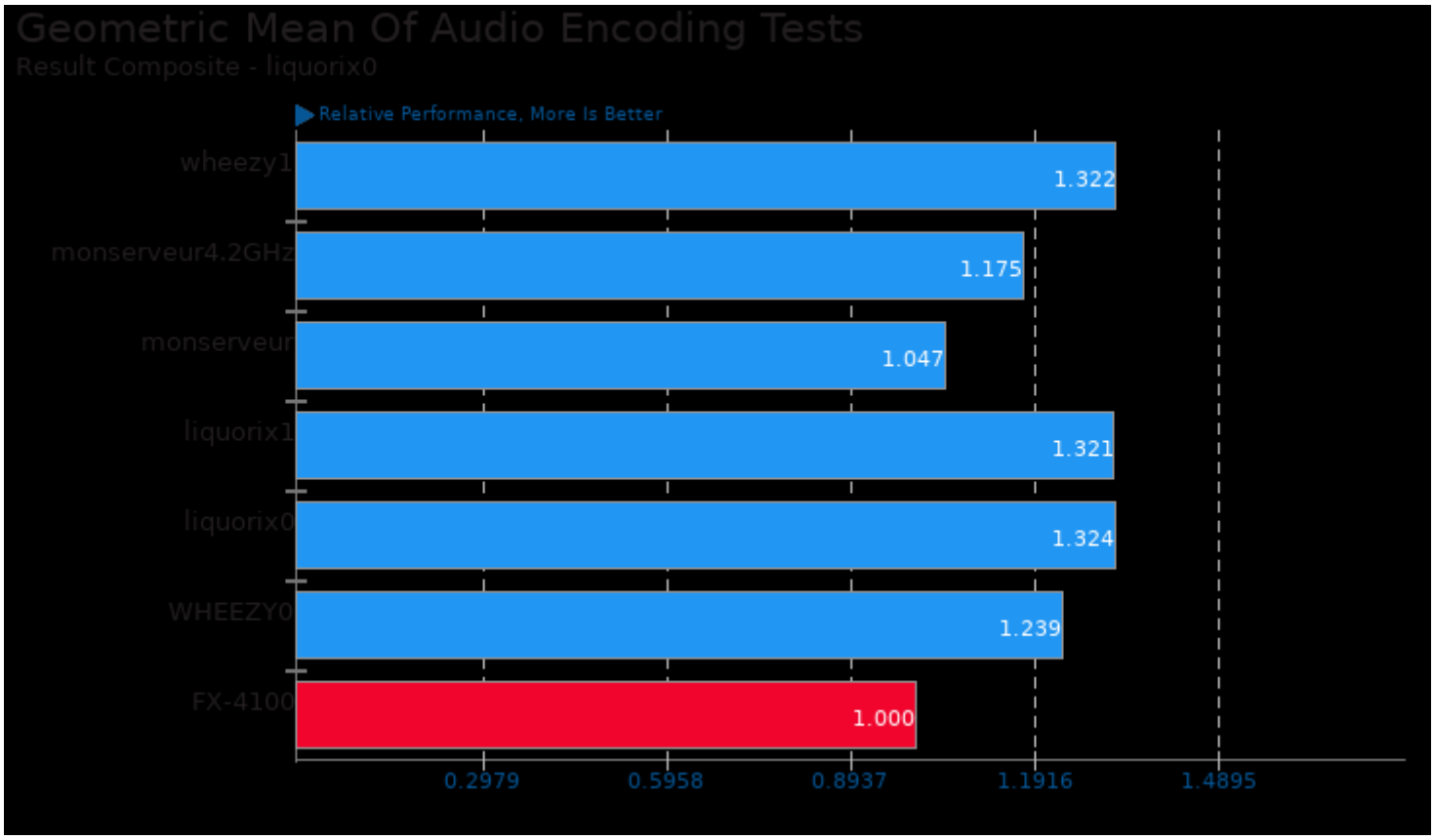

GraphicsMagick 1.3.12
HWB Color Space
Iterations Per Minute, More Is Better
wheezy1
SE +/- 0.00, N = 3
138
liquorix1
SE +/- 0.33, N = 3
141
liquorix0
SE +/- 0.00, N = 3
140
WHEEZY0
SE +/- 0.33, N = 3
132
FX-4100
SE +/- 0.67, N = 3
120
30
60
90
120
150
GraphicsMagick 1.3.12
Sharpen
Iterations Per Minute, More Is Better
wheezy1
SE +/- 0.00, N = 3
41
liquorix1
SE +/- 0.00, N = 3
41
liquorix0
SE +/- 0.00, N = 3
41
WHEEZY0
SE +/- 0.00, N = 3
40
FX-4100
SE +/- 0.00, N = 3
36
9
18
27
36
45

# liquorix0

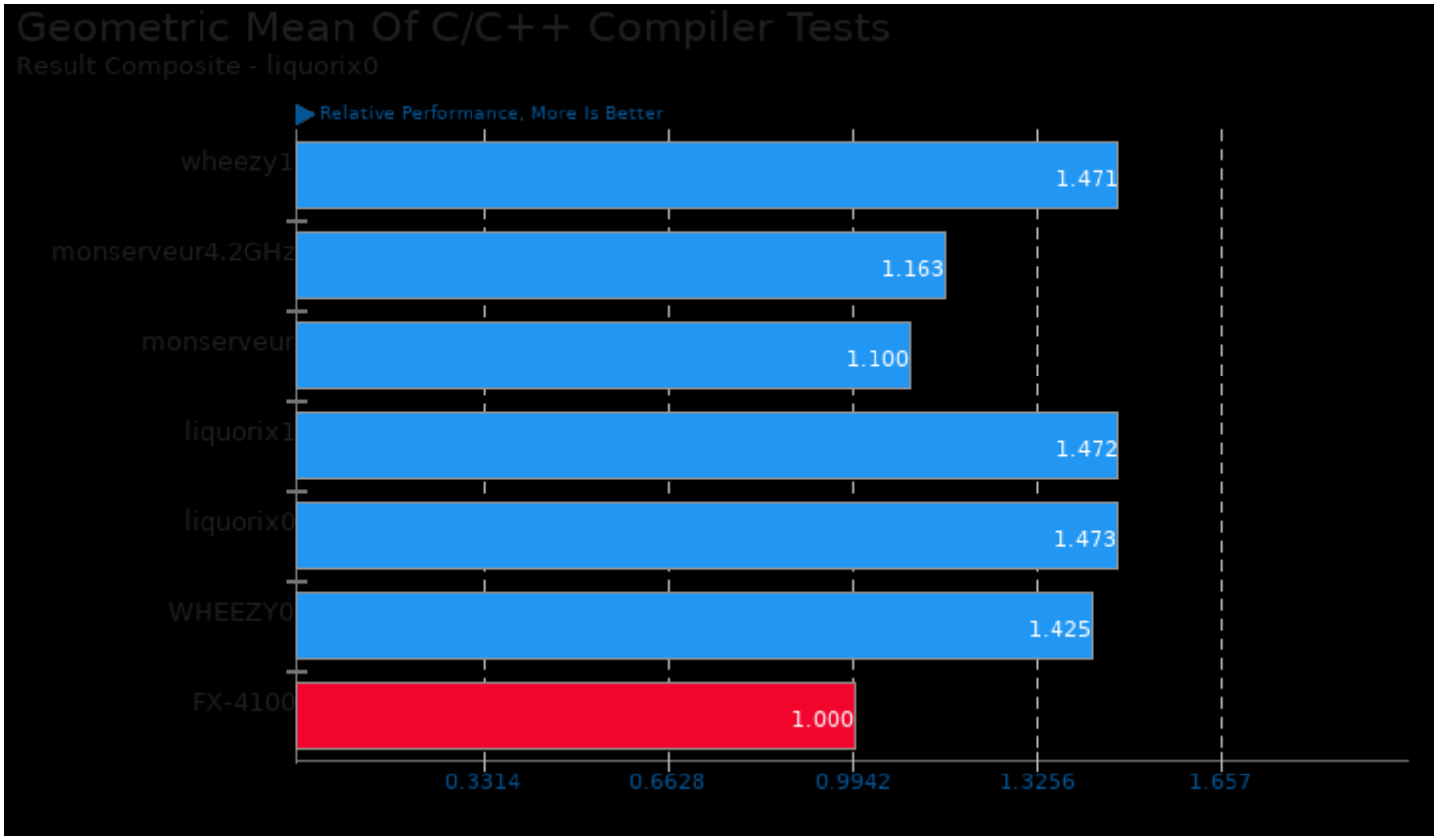

POV-Ray 3.6.1
Total Time
Seconds, Fewer Is Better
wheezy1
825
monserveur4.2GHz
820
monserveur
926
liquorix1
825
liquorix0
829
WHEEZY0
883
200
400
600
800
1000
GraphicsMagick 1.3.12
Local Adaptive Thresholding
Iterations Per Minute, More Is Better
wheezy1
SE +/- 0.00, N = 3
44
liquorix1
SE +/- 0.00, N = 3
44
liquorix0
SE +/- 0.00, N = 3
44
WHEEZY0
SE +/- 0.00, N = 3
43
FX-4100
SE +/- 0.33, N = 3
40
10
20
30
40
50

# liquorix0

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

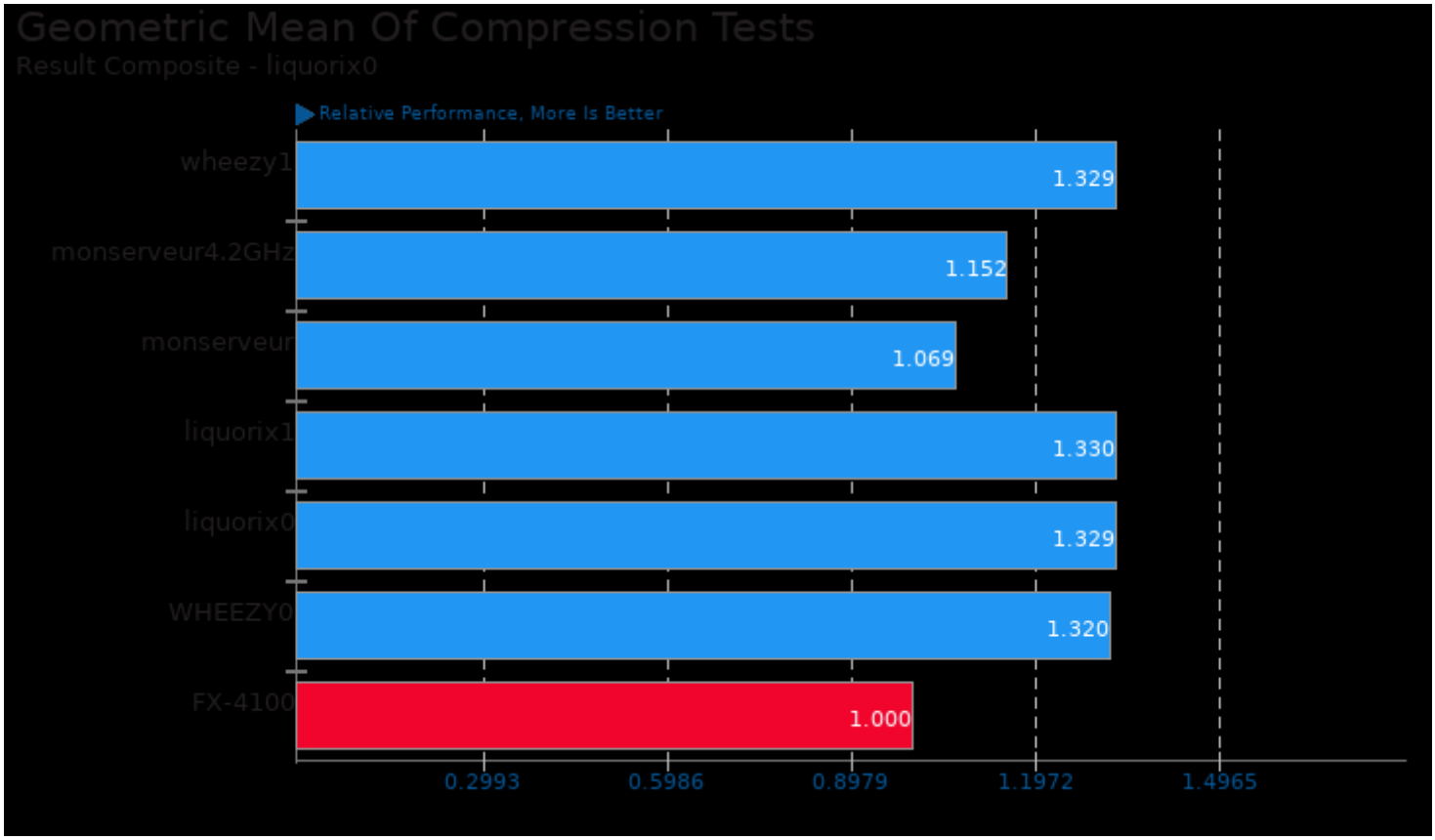



Geometric mean based upon tests: pts/encode-mp3 and pts/encode-flac



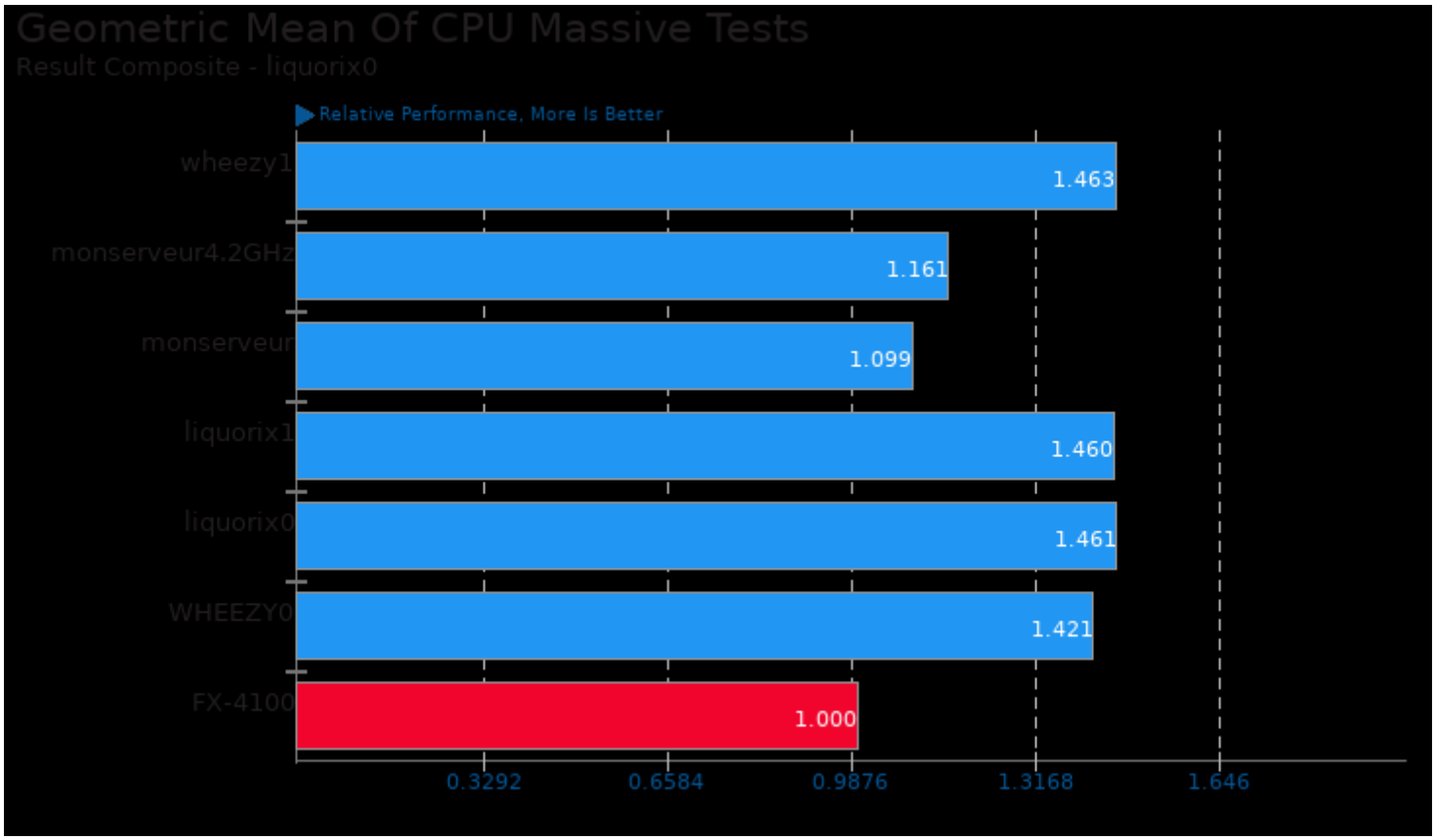
# liquorix0

Geometric mean based upon tests: pts/mafft, pts/graphics-magick, pts/c-ray, pts/compress-7zip, pts/encode-mp3, pts/encode-flac, pts/apache and pts/x264

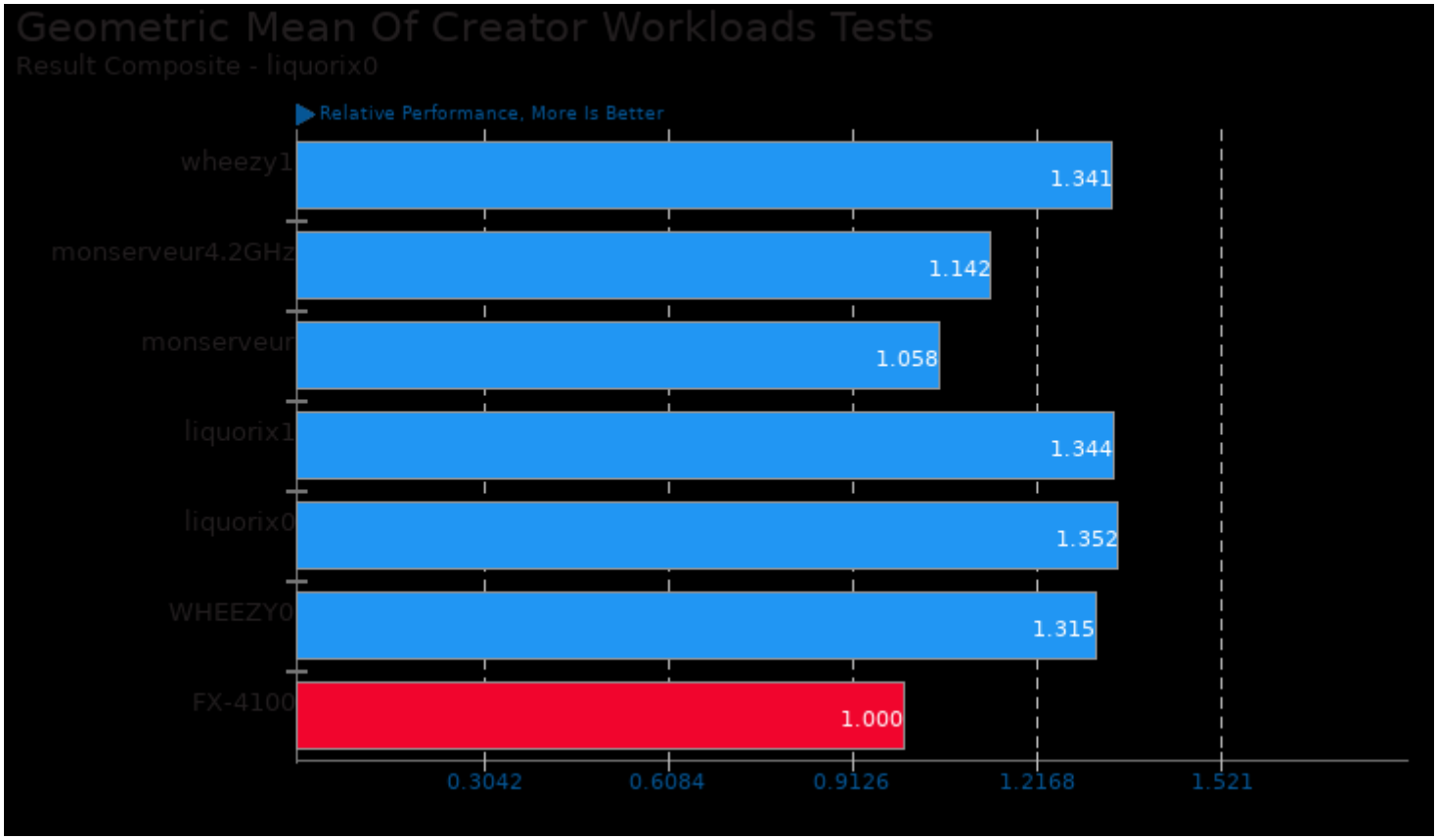



Geometric mean based upon tests: pts/compress-7zip and pts/compress-pbzip2

# liquorix0



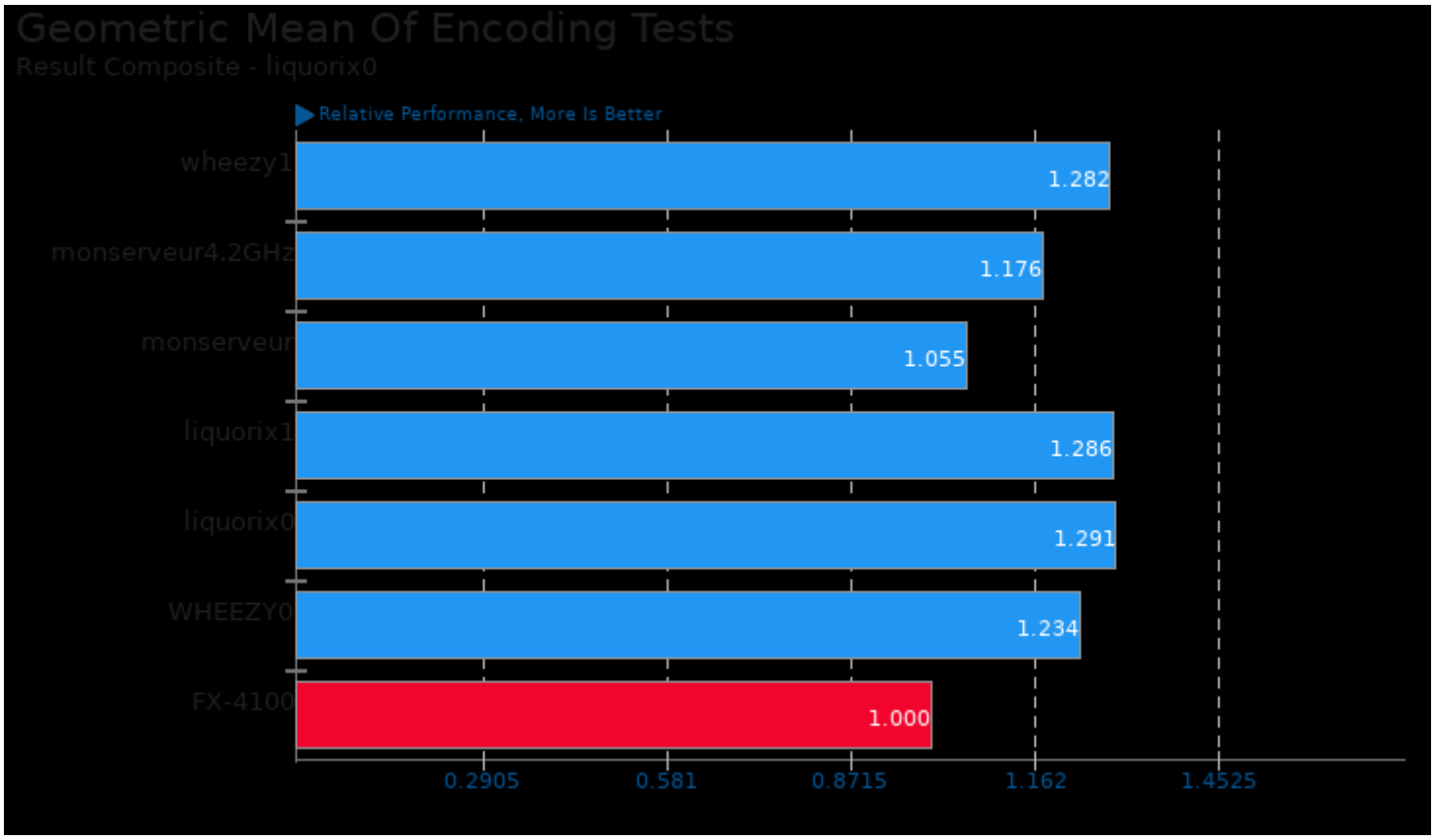

Geometric mean based upon tests: pts/apache, pts/c-ray, pts/compress-7zip, pts/compress-pbzip2, pts/crafty, pts/x264, pts/encode-flac, pts/encode-mp3, pts/graphics-magick, pts/mafft and pts/povray




Geometric mean based upon tests: pts/c-ray, pts/povray, pts/smallpt, pts/x264, pts/ffmpeg, pts/encode-mp3,

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pts/encode-flac and pts/graphics-magick

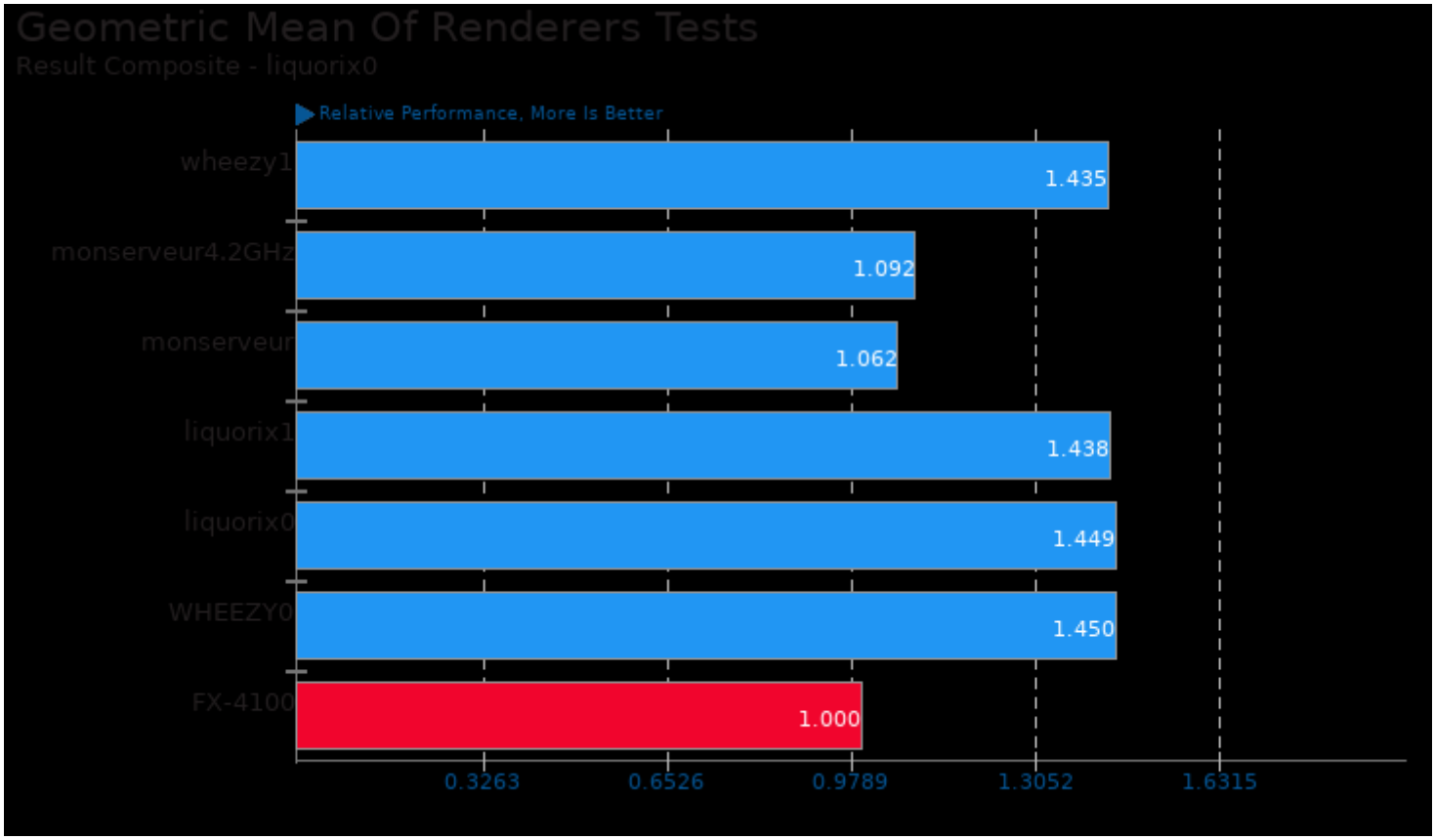



Geometric mean based upon tests: pts/encode-mp3, pts/encode-flac, pts/x264 and pts/ffmpeg



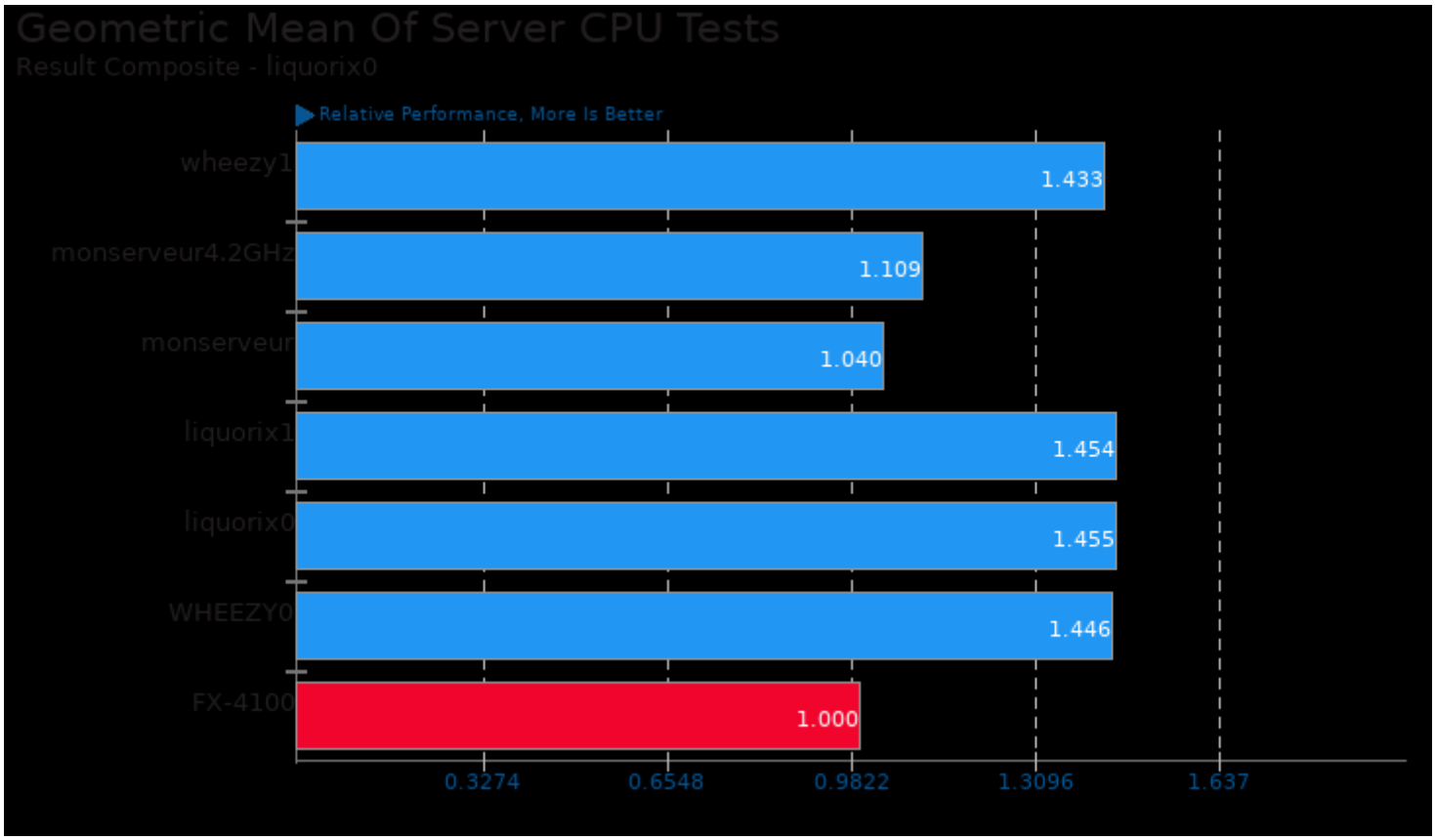
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Geometric mean based upon tests: pts/c-ray, pts/povray, pts/x264, pts/ffmpeg, pts/smallpt, pts/graphics-magick, pts/compress-7zip and pts/compress-pbzip2

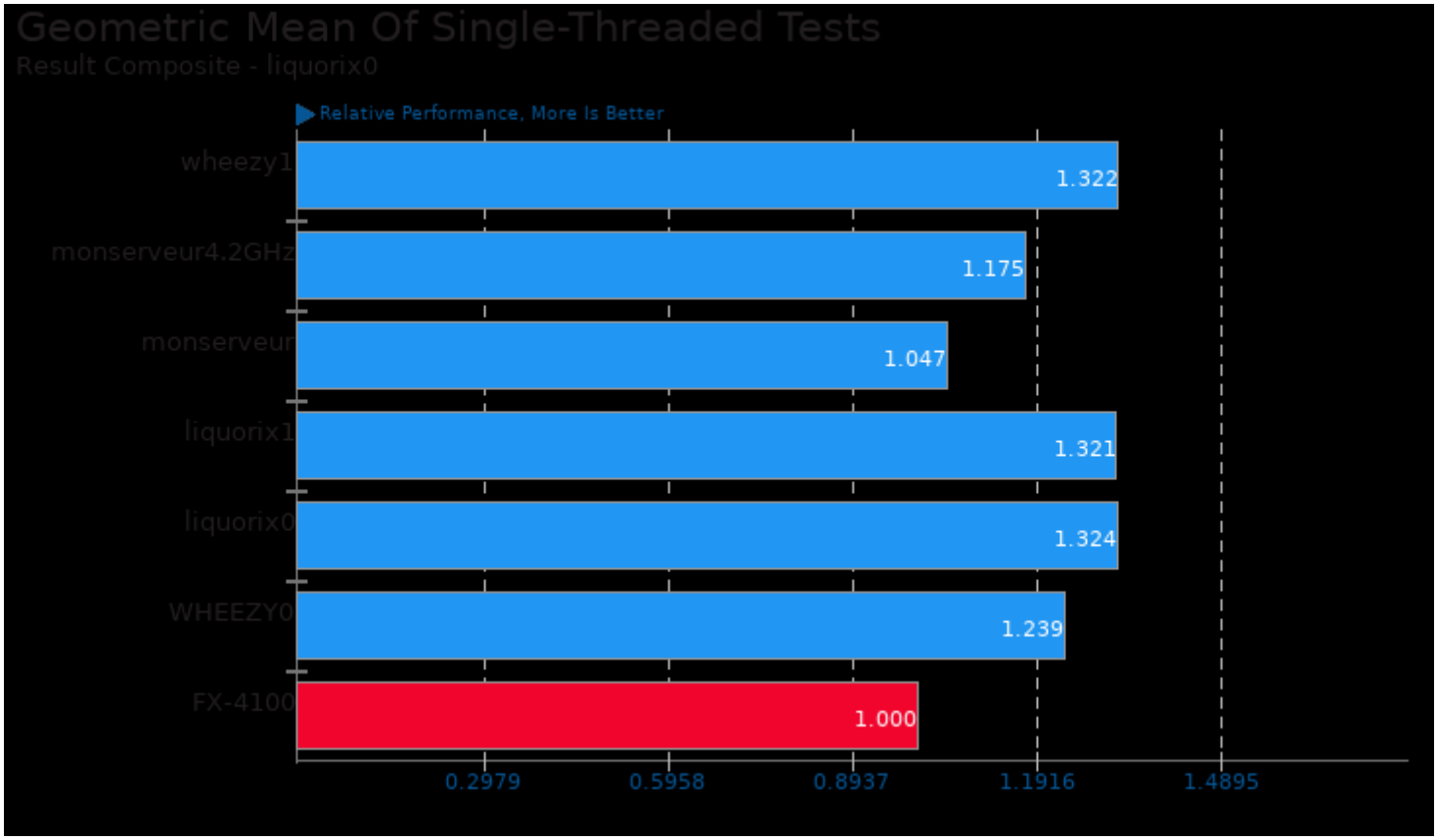



Geometric mean based upon tests: pts/c-ray, pts/povray and pts/smallpt

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Geometric mean based upon tests: pts/x264, pts/compress-7zip, pts/c-ray and pts/povray




Geometric mean based upon tests: pts/encode-flac and pts/encode-mp3

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*This file was automatically generated via the Phoronix Test Suite benchmarking software on Friday, 29 March 2024 06:01.*