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product

Intel Core i5-1035G1 testing with a HP 86C9 v56.33 (F.19 BIOS) and i915drmfb on Ubuntu 20.04 via the Phoronix Test Suite.

Test Systems:

Intel Core i5-1035G1 - i915drmfb - HP 86C9 v56.33

Processor: Intel Core i5-1035G1 @ 1.80GHz (4 Cores / 8 Threads), Motherboard: HP 86C9 v56.33 (F.19 BIOS), Chipset: Intel Device 34ef, Memory: 8GB, Disk: 256GB Kioxia KBG30ZMV256G, Graphics: i915drmfb (1050MHz), Audio: Realtek ALC236, Network: Intel Killer Wi-Fi 6 AX1650i 160MHz

OS: Ubuntu 20.04, Kernel: 5.11.0-34-generic (x86_64), Desktop: GNOME Shell 3.36.9, Display Server: X Server 1.20.11, Compiler: GCC 9.3.0, File-System: ext4, Screen Resolution: 1920x1080

Kernel Notes: Transparent Huge Pages: madvise
Processor Notes: Scaling Governor: intel_pstate powersave - CPU Microcode: 0xa6 - Thermald 1.9.1
Security Notes: itlb_multihit: KVM: Mitigation of VMX disabled + 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 Enhanced IBRS IBPB: conditional RSB filling + srbds: Not affected + tsx_async_abort: Not affected

a

Processor: Intel Core i5-1035G1 @ 3.60GHz (4 Cores / 8 Threads), Motherboard: HP 86C9 v56.33 (F.19 BIOS), Chipset: Intel Device 34ef, Memory: 8GB, Disk: 256GB Kioxia KBG30ZMV256G, Graphics: i915drmfb (1050MHz), Audio: Realtek ALC236, Network: Intel Killer Wi-Fi 6 AX1650i 160MHz

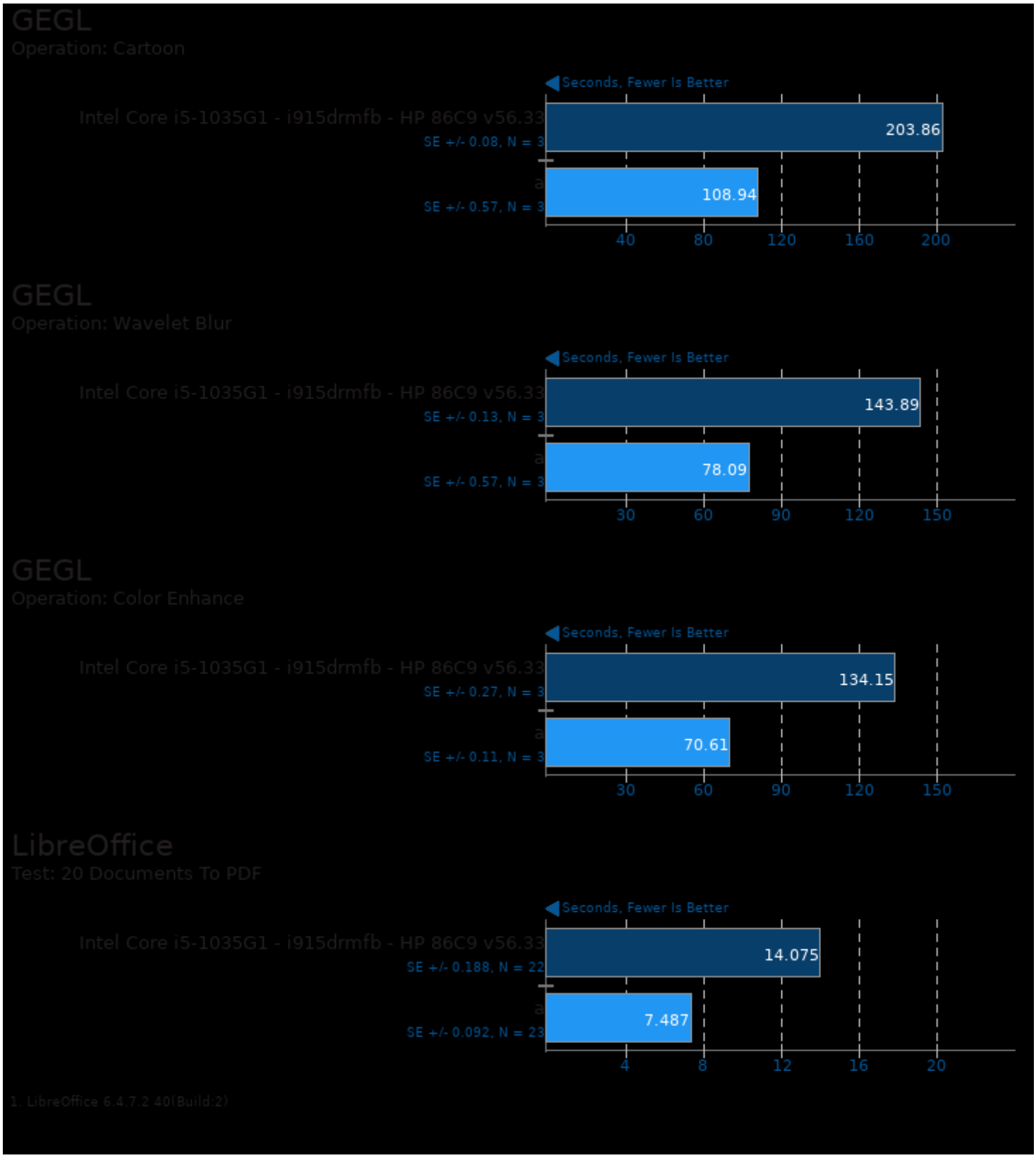
OS: Ubuntu 20.04, Kernel: 5.11.0-34-generic (x86_64), Desktop: GNOME Shell 3.36.9, Display Server: X Server 1.20.11, Compiler: GCC 9.3.0, File-System: ext4, Screen Resolution: 1920x1080

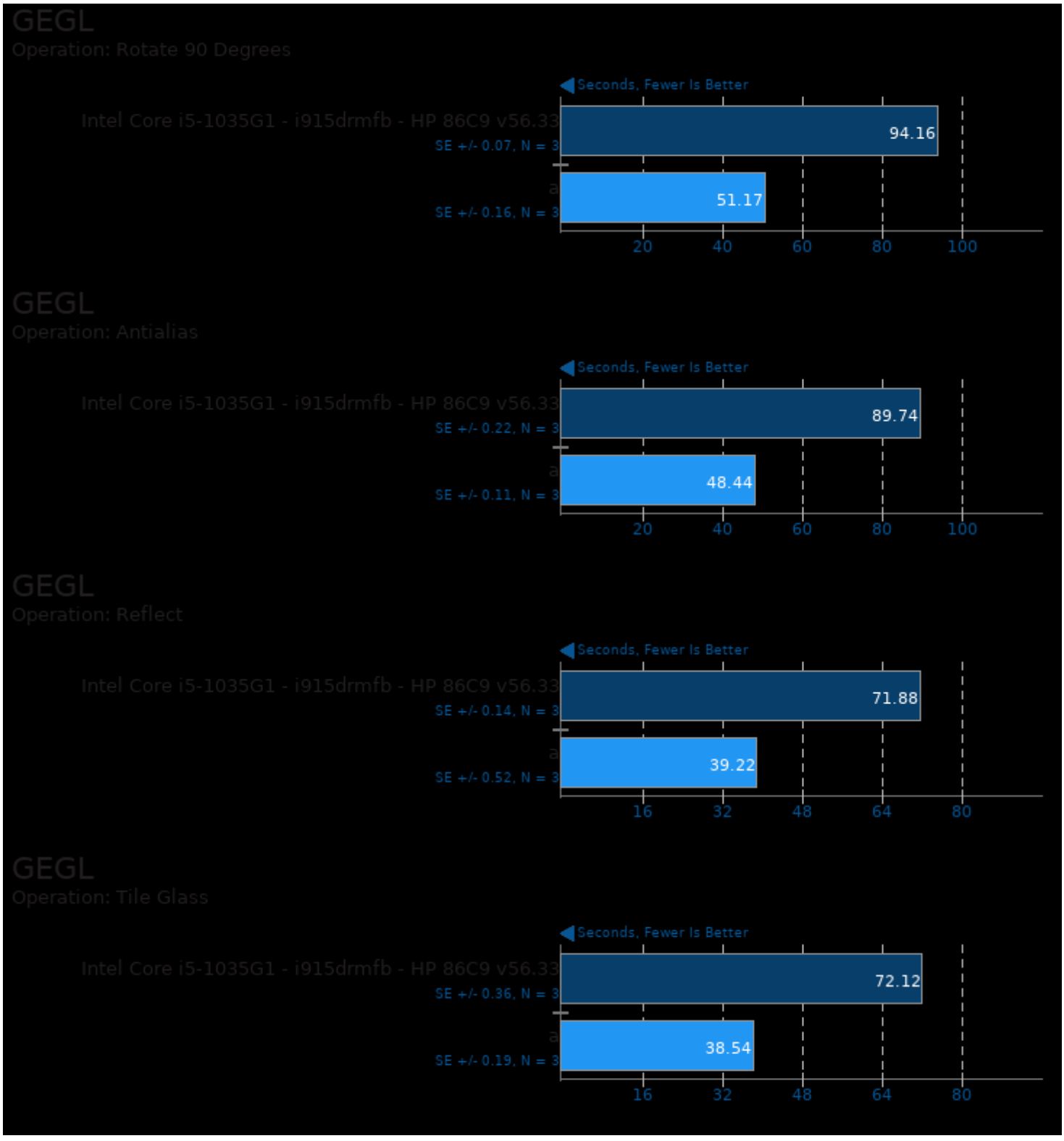
Kernel Notes: Transparent Huge Pages: madvise
Processor Notes: Scaling Governor: intel_pstate performance - CPU Microcode: 0xa6 - Thermald 1.9.1
Security Notes: itlb_multihit: KVM: Mitigation of VMX disabled + l1tf: Not affected + mds: Not affected + meltdown: Not affected + spec_store_bypass: Mitigation of SSB disabled via prctl and seccomp + spectre_v1: Mitigation of usercopy/swapgs barriers and __user pointer sanitization + spectre_v2: Mitigation of Enhanced IBRS IBPB: conditional RSB filling + srbds: Not affected + tsx_async_abort: Not affected

	Intel Core i5-1035G1 - i915drmfb - HP 86C9 v56.33	a
GEGL - Cartoon (sec)	**203.857**	**108.939**
Normalized	53.44%	100%
Standard Deviation	0.1%	0.9%
GEGL - Wavelet Blur (sec)	**143.889**	**78.090**
Normalized	54.27%	100%
Standard Deviation	0.2%	1.3%
GEGL - Color Enhance (sec)	**134.146**	**70.614**
Normalized	52.64%	100%
Standard Deviation	0.4%	0.3%
LibreOffice - 2.D.T.P (sec)	**14.075**	**7.487**
Normalized	53.19%	100%
Standard Deviation	6.3%	5.9%
GEGL - Rotate 90 Degrees (sec)	**94.162**	**51.166**
Normalized	54.34%	100%
Standard Deviation	0.1%	0.5%
GEGL - Antialias (sec)	**89.738**	**48.435**
Normalized	53.97%	100%
Standard Deviation	0.4%	0.4%
GEGL - Reflect (sec)	**71.881**	**39.217**
Normalized	54.56%	100%
Standard Deviation	0.3%	2.3%
GEGL - Tile Glass (sec)	**72.123**	**38.544**
Normalized	53.44%	100%
Standard Deviation	0.9%	0.9%
Inkscape - SVG Files To PNG (sec)	**55.121**	**30.226**
Normalized	54.84%	100%
Standard Deviation	0.1%	0.8%
GIMP - unsharp-mask (sec)	**30.507**	**18.662**
Normalized	61.17%	100%
Standard Deviation	2.5%	0.1%
GIMP - auto-levels (sec)	**24.979**	**13.743**
Normalized	55.02%	100%
Standard Deviation	0.1%	0.3%

product

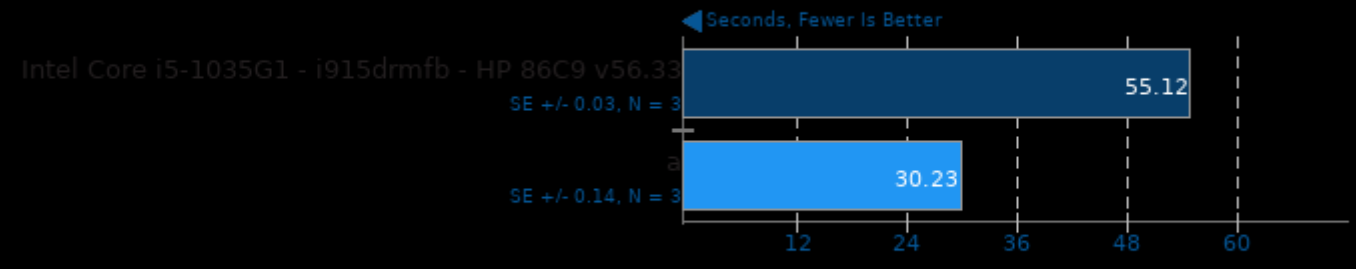
GNU Octave Benchmark (sec)	**13.256**	**8.795**
Normalized	66.35%	100%
Standard Deviation	0.5%	1.1%
GIMP - rotate (sec)	**23.473**	**12.606**
Normalized	53.7%	100%
Standard Deviation	0.2%	0.3%
GEGL - Crop (sec)	**19.610**	**11.150**
Normalized	56.86%	100%
Standard Deviation	0.9%	1.7%
GIMP - resize (sec)	**18.857**	**10.787**
Normalized	57.2%	100%
Standard Deviation	0.2%	0.5%
GEGL - Scale (sec)	**13.967**	**8.559**
Normalized	61.28%	100%
Standard Deviation	0.5%	0.5%


GEGL
Operation: Cartoon
Seconds, Fewer Is Better
Intel Core i5-1035G1 - i915drmfb - HP 86C9 v56.33
SE +/- 0.08, N = 3
203.86
SE +/- 0.57, N = 3
108.94
40
80
120
160
200
GEGL
Operation: Wavelet Blur
Seconds, Fewer Is Better
Intel Core i5-1035G1 - i915drmfb - HP 86C9 v56.33
SE +/- 0.13, N = 3
143.89
SE +/- 0.57, N = 3
78.09
30
60
90
120
150
GEGL
Operation: Color Enhance
Seconds, Fewer Is Better
Intel Core i5-1035G1 - i915drmfb - HP 86C9 v56.33
SE +/- 0.27, N = 3
134.15
SE +/- 0.11, N = 3
70.61
30
60
90
120
150
LibreOffice
Test: 20 Documents To PDF
Seconds, Fewer Is Better
Intel Core i5-1035G1 - i915drmfb - HP 86C9 v56.33
SE +/- 0.188, N = 22
14.075
SE +/- 0.092, N = 23
7.487
4
8
12
16
20
1. LibreOffice 6.4.7.2 40(Build:2)


GEGL
Operation: Rotate 90 Degrees
Seconds, Fewer Is Better
Intel Core i5-1035G1 - i915drmfb - HP 86C9 v56.33
SE +/- 0.07, N = 3
94.16
SE +/- 0.16, N = 3
51.17
20
40
60
80
100
GEGL
Operation: Antialias
Seconds, Fewer Is Better
Intel Core i5-1035G1 - i915drmfb - HP 86C9 v56.33
SE +/- 0.22, N = 3
89.74
SE +/- 0.11, N = 3
48.44
20
40
60
80
100
GEGL
Operation: Reflect
Seconds, Fewer Is Better
Intel Core i5-1035G1 - i915drmfb - HP 86C9 v56.33
SE +/- 0.14, N = 3
71.88
SE +/- 0.52, N = 3
39.22
16
32
48
64
80
GEGL
Operation: Tile Glass
Seconds, Fewer Is Better
Intel Core i5-1035G1 - i915drmfb - HP 86C9 v56.33
SE +/- 0.36, N = 3
72.12
SE +/- 0.19, N = 3
38.54
16
32
48
64
80

Inkscape

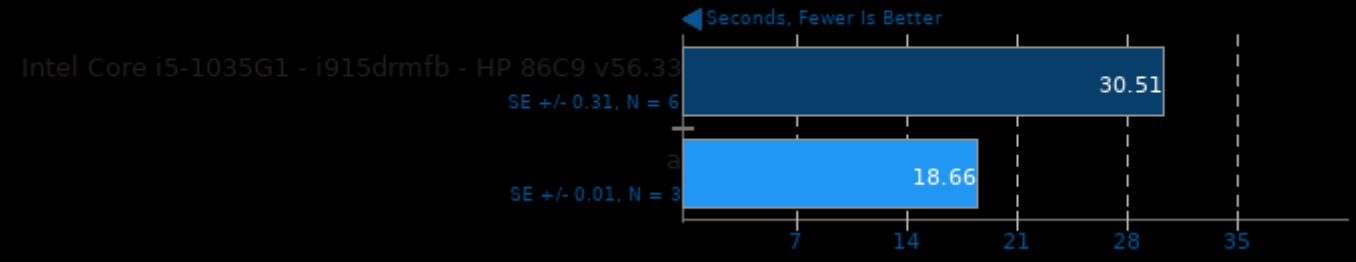
Operation: SVG Files To PNG



1. Inkscape 0.92.5 (2060ec1f9f, 2020-04-08)

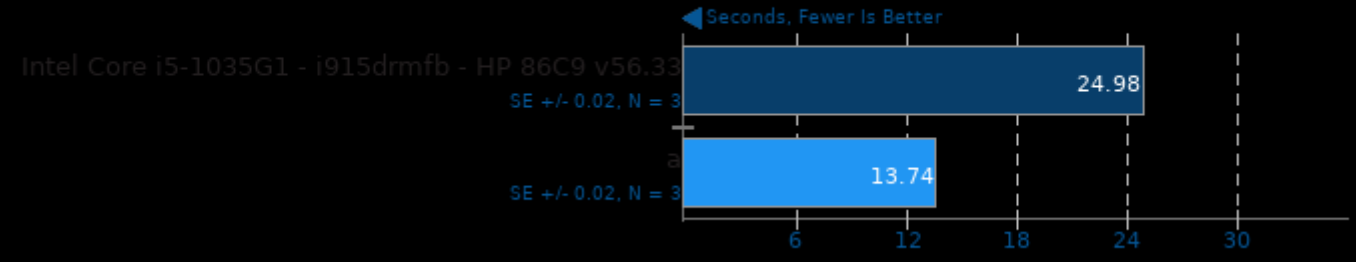
GIMP 2.10.18

Test: unsharp-mask

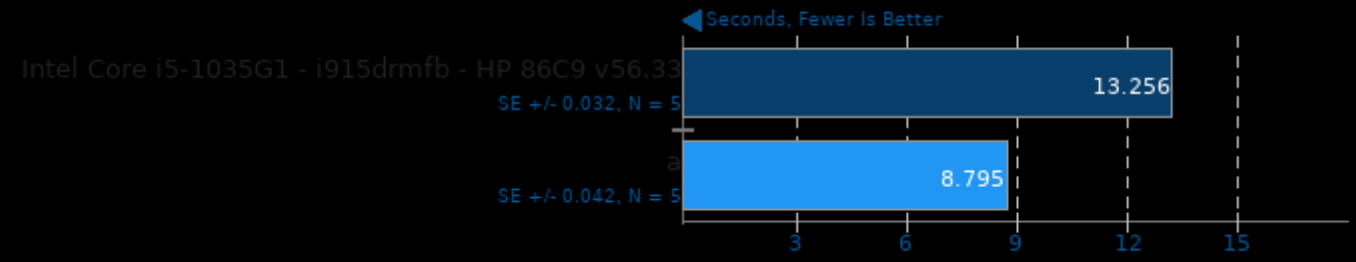


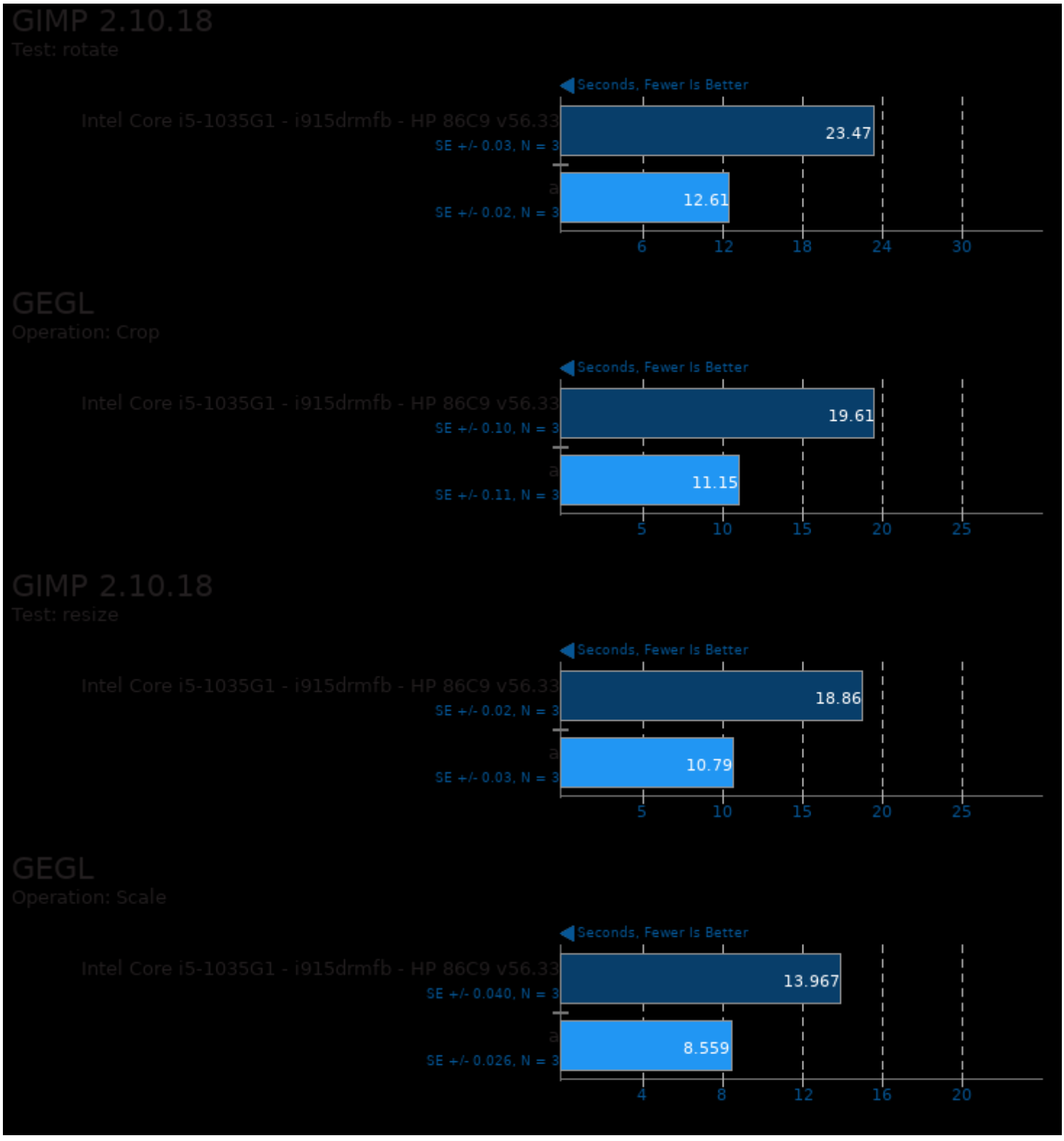
GIMP 2.10.18

Test: auto-levels

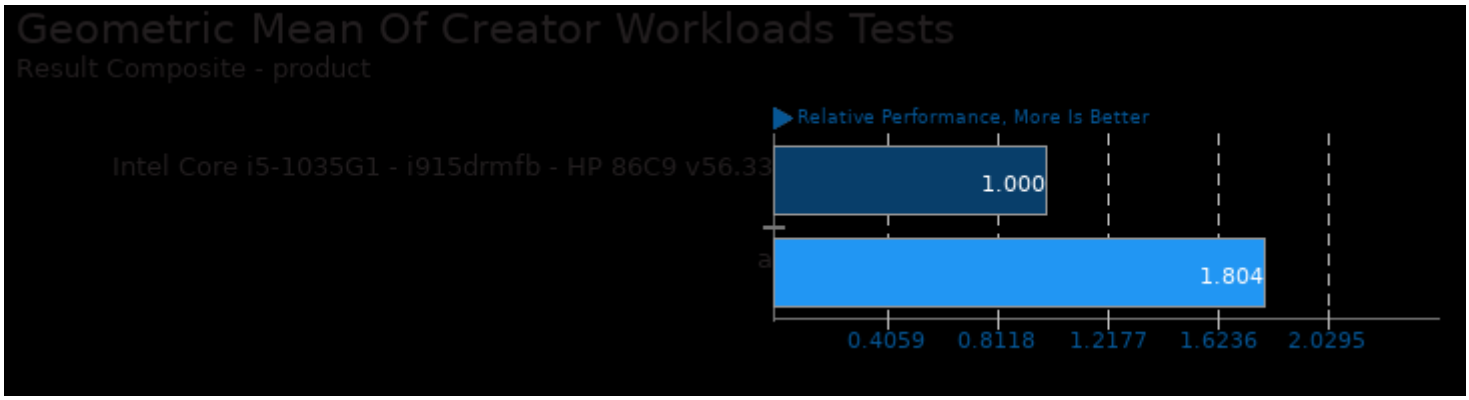


GNU Octave Benchmark 5.2.0

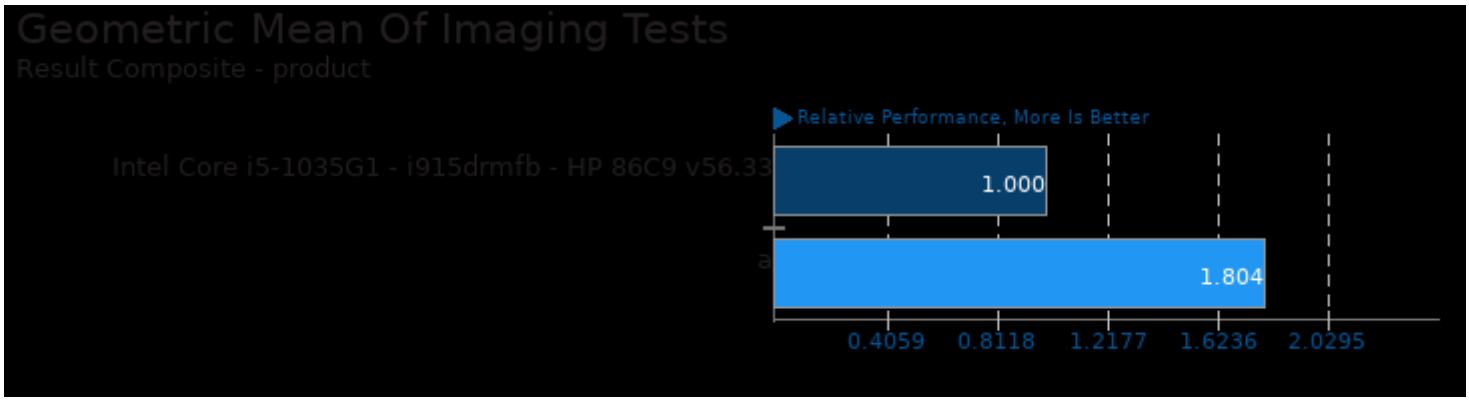



GIMP 2.10.18
Test: rotate
Seconds, Fewer Is Better
Intel Core i5-1035G1 - i915drmfb - HP 86C9 v56.33
SE +/- 0.03, N = 3
23.47
SE +/- 0.02, N = 3
12.61
6
12
18
24
30
GEGL
Operation: Crop
Seconds, Fewer Is Better
Intel Core i5-1035G1 - i915drmfb - HP 86C9 v56.33
SE +/- 0.10, N = 3
19.61
SE +/- 0.11, N = 3
11.15
5
10
15
20
25
GIMP 2.10.18
Test: resize
Seconds, Fewer Is Better
Intel Core i5-1035G1 - i915drmfb - HP 86C9 v56.33
SE +/- 0.02, N = 3
18.86
SE +/- 0.03, N = 3
10.79
5
10
15
20
25
GEGL
Operation: Scale
Seconds, Fewer Is Better
Intel Core i5-1035G1 - i915drmfb - HP 86C9 v56.33
SE +/- 0.040, N = 3
13.967
SE +/- 0.026, N = 3
8.559
4
8
12
16
20

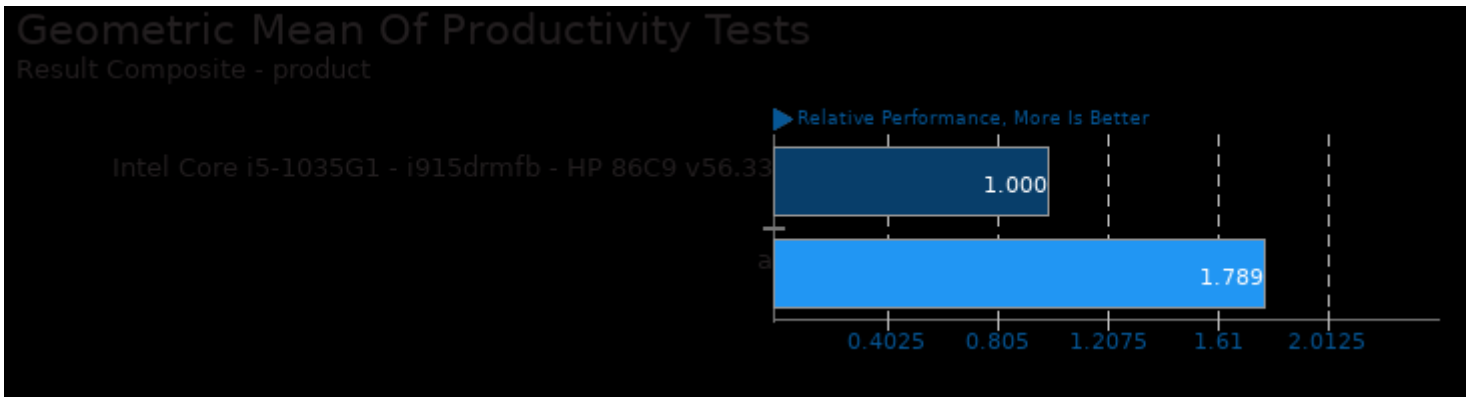
These geometric means are based upon test groupings / test suites for this result file.



Geometric mean based upon tests: system/inkscape, system/gimp and system/gegl



Geometric mean based upon tests: system/inkscape, system/gimp and system/gegl



Geometric mean based upon tests: system/libreoffice, system/octave-benchmark, system/inkscape, system/gimp and system/gegl

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