



[www.phoronix-test-suite.com](http://www.phoronix-test-suite.com)

## helloSystem 0.8

AMD Ryzen 9 7950X 16-Core testing with a ASUS ROG CROSSHAIR X670E HERO (0805 BIOS) and AMD Radeon RX 6800 XT 16GB on EndeavourOS rolling via the Phoronix Test Suite.

### Automated Executive Summary

*Fedora Workstation 37 had the most wins, coming in first place for 46% of the tests.*

*Based on the geometric mean of all complete results, the fastest (Fedora Workstation 37) was 1.5x the speed of the slowest (helloSystem 0.8). EndeavourOS Rolling was 0.773x the speed of Fedora Workstation 37 and helloSystem 0.8 was 0.863x the speed of EndeavourOS Rolling.*

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

*Zstd Compression (Compression Level: 19 - Compression Speed) at 24.899x*

*Zstd Compression (Compression Level: 19, Long Mode - Compression Speed) at 12.158x*

*Zstd Compression (Compression Level: 3 - Compression Speed) at 10.951x*

*Zstd Compression (Compression Level: 8, Long Mode - Compression Speed) at 9.203x*

*Zstd Compression (Compression Level: 3, Long Mode - Compression Speed) at 3.557x*

*RawTherapee (Total Benchmark Time) at 2.868x*

*PyPerformance (Benchmark: go) at 2.64x*

*PyPerformance (Benchmark: raytrace) at 2.63x*

PyPerformance (Benchmark: 2to3) at 2.622x

PyPerformance (Benchmark: pickle\_pure\_python) at 2.514x.

## Test Systems:

### helloSystem 0.8

Processor: AMD Ryzen 9 7950X 16-Core @ 4.50GHz (32 Cores), Motherboard: ASUS ROG CROSSHAIR X670E HERO, Chipset: AMD [AMD], Memory: 32GB, Disk: Generic NVMe Device, Graphics: AMD Radeon RX 6800/6800 XT / 6900 16GB, Audio: ATI (0xab28) HDA, Monitor: ASUS MG28U

OS: FreeBSD, Kernel: 13.1-RELEASE (x86\_64), Display Server: X Server 1.21.1.4, Compiler: Clang 15.0.6, File-System: zfs, Screen Resolution: 3840x2160

Environment Notes: QTWEBENGINE\_CHROMIUM\_FLAGS="--ignore-gpu-blacklist --enable-gpu-rasterization --enable-native-gpu-buffers"

Java Notes: OpenJDK Runtime Environment (build 11.0.17+8-1)

Python Notes: Python 3.9.16

### Fedora Workstation 37

Processor: AMD Ryzen 9 7950X 16-Core @ 4.50GHz (16 Cores / 32 Threads), Motherboard: ASUS ROG CROSSHAIR X670E HERO (0805 BIOS), Chipset: AMD Device 14d8, Memory: 32GB, Disk: 2048GB SOLIDIGM SSDPFKKW020X7 + 257GB Flash Drive, Graphics: AMD Radeon RX 6800 XT 16GB (2575/1000MHz), Audio: AMD Navi 21/23, Monitor: ASUS MG28U, Network: Intel I225-V + Intel Wi-Fi 6 AX210/AX211/AX411

OS: Fedora Linux 37, Kernel: 6.1.6-200.fc37.x86\_64 (x86\_64), Desktop: GNOME Shell 43.2, Display Server: X Server + Wayland, OpenGL: 4.6 Mesa 22.3.3 (LLVM 15.0.6 DRM 3.49), Compiler: GCC 12.2.1 20221121, File-System: btrfs, Screen Resolution: 3840x2160

Kernel Notes: Transparent Huge Pages: madvise

Compiler Notes: --build=x86\_64-redhat-linux --disable-libunwind-exceptions --enable-\_\_cxa\_atexit --enable-bootstrap --enable-cet --enable-checking=release --enable-gnu-indirect-function --enable-gnu-unique-object --enable-initfini-array --enable-languages=c,c++,fortran,objc,obj-c++,ada,go,d,lto --enable-libstdcxx-backtrace --enable-link-serialization=1 --enable-multilib --enable-offload-defaulted --enable-offload-targets=nvptx-none --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-arch\_32=i686 --with-build-config=bootstrap-lto --with-gcc-major-version-only --with-linker-hash-style=gnu --with-tune=generic --without-cuda-driver

Disk Notes: NONE / compress=zstd:1,relatime,rw,seclabel,space\_cache=v2,ssd,subvol=/home,subvolid=256 / Block Size: 4096

Processor Notes: Scaling Governor: acpi-cpufreq schedutil (Boost: Enabled) - CPU Microcode: 0xa601203

Java Notes: OpenJDK Runtime Environment (Red\_Hat-17.0.5.0.8-1.fc37) (build 17.0.5+8)

Python Notes: Python 3.11.1

Security Notes: SELinux + itlb\_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + mmio\_stale\_data: Not affected + retbleed: Not affected + spec\_store\_bypass: Mitigation of SSB disabled via prctl + spectre\_v1: Mitigation of usercopy/swaps barriers and \_\_user pointer sanitization + spectre\_v2: Mitigation of Retpolines IBPB: conditional IBRS\_FW STIBP: always-on RSB filling PBRSB-eIBRS: Not affected + srbds: Not affected + tsx\_async\_abort: Not affected

### EndeavourOS Rolling

Processor: AMD Ryzen 9 7950X 16-Core @ 4.50GHz (16 Cores / 32 Threads), Motherboard: ASUS ROG CROSSHAIR X670E HERO (0805 BIOS), Chipset: AMD Device 14d8, Memory: 32GB, Disk: 2048GB SOLIDIGM SSDPFKKW020X7 + 257GB Flash Drive, Graphics: AMD Radeon RX 6800 XT 16GB (2575/1000MHz), Audio: AMD Navi 21/23, Monitor: ASUS MG28U, Network: Intel I225-V + Intel Wi-Fi 6 AX210/AX211/AX411

OS: EndeavourOS rolling, Kernel: 6.1.7-arch1-1 (x86\_64), Desktop: KDE Plasma 5.26.5, Display Server: X Server 1.21.1.6, OpenGL: 4.6 Mesa 22.3.3 (LLVM 15.0.7 DRM 3.49), Compiler: GCC 12.2.1 20230111 + Clang 15.0.7,

File-System: ext4, Screen Resolution: 3840x2160

Kernel Notes: Transparent Huge Pages: always  
 Compiler Notes: --disable-libssp --disable-libstdcxx-pch --disable-werror --enable-\_cxa\_atexit --enable-bootstrap --enable-cet=auto --enable-checking=release  
 --enable-clocale-gnu --enable-default-pie --enable-default-ssp --enable-gnu-indirect-function --enable-gnu-unique-object  
 --enable-languages=c,c++,ada,fortran,go,lto,objc,obj-c++,d --enable-libstdcxx-backtrace --enable-link-serialization=1 --enable-lto --enable-multilib --enable-plugin  
 --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-build-config=bootstrap-lto --with-linker-hash-style=gnu  
 Disk Notes: NONE / noatime,rw / Block Size: 4096  
 Processor Notes: Scaling Governor: acpi-cpufreq schedutil (Boost: Enabled) - CPU Microcode: 0xa601203  
 Java Notes: OpenJDK Runtime Environment (build 11.0.18+10)  
 Python Notes: Python 3.10.9  
 Security Notes: itlb\_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + mmio\_stale\_data: Not affected + retbleed: Not affected + spec\_store\_bypass: Mitigation of SSB disabled via prctl + spectre\_v1: Mitigation of usercopy/swaps barriers and \_\_user pointer sanitization + spectre\_v2: Mitigation of Retpolines IBPB: conditional IBRS\_FW STIBP: always-on RSB filling PBRSB-eIBRS: Not affected + srbs: Not affected + tsx\_async\_abort: Not affected

	helloSystem 0.8	Fedora Workstation	EndeavourOS Rolling
<b>Zstd Compression - 8, Long Mode - Compression Speed (MB/s)</b>	<b>1348</b>	1210	<b>146.5</b>
Normalized	100%	89.76%	10.87%
Standard Deviation	0.6%	0.8%	0.4%
<b>Zstd Compression - 3, Long Mode - Compression Speed (MB/s)</b>	<b>1522</b>	1135	<b>428.0</b>
Normalized	100%	74.58%	28.11%
Standard Deviation	0.8%	0.5%	0.9%
<b>Zstd Compression - 19 - Compression Speed (MB/s)</b>	<b>80.6</b>	<b>85.9</b>	<b>3.45</b>
Normalized	93.83%	100%	4.02%
Standard Deviation	0.4%	0.3%	0.6%
<b>RawTherapee - T.B.T (sec)</b>	<b>95.989</b>	<b>33.464</b>	
Normalized	34.86%	100%	
Standard Deviation	0.8%	0.1%	
<b>PyPerformance - go (Milliseconds)</b>	<b>240</b>	<b>90.9</b>	124
Normalized	37.88%	100%	73.31%
Standard Deviation	0.6%	0.6%	0.5%
<b>PyPerformance - raytrace (Milliseconds)</b>	<b>497</b>	<b>189</b>	253
Normalized	38.03%	100%	74.7%
Standard Deviation	3.5%	2.2%	0.2%
<b>PyPerformance - 2to3 (Milliseconds)</b>	<b>388</b>	<b>148</b>	163
Normalized	38.14%	100%	90.8%
Standard Deviation	0.9%	0.4%	0.4%
<b>PyPerformance - pickle_pure_python (Milliseconds)</b>	<b>455</b>	<b>181</b>	225
Normalized	39.78%	100%	80.44%
Standard Deviation	3.3%	0.6%	0.3%
<b>PyPerformance - float (Milliseconds)</b>	<b>111</b>	<b>46.2</b>	56.3
Normalized	41.62%	100%	82.06%
Standard Deviation	2.4%	2.4%	0.3%
<b>PyPerformance - chaos (Milliseconds)</b>	<b>104</b>	<b>43.4</b>	53.0
Normalized	41.73%	100%	81.89%
Standard Deviation	2.4%	2.3%	0.7%
<b>PyPerformance - crypto_pyaes (Milliseconds)</b>	<b>105</b>	<b>45.0</b>	61.3
Normalized	42.86%	100%	73.41%
Standard Deviation	3.1%	0.3%	0.4%

Hugin - P.P.A.S.T (sec)	<b>63.202</b>	28.104	<b>27.119</b>
Normalized	42.91%	96.5%	100%
Standard Deviation	2.5%	1.2%	0.6%
PyPerformance - django_template (Milliseconds)	<b>46.3</b>	<b>21.7</b>	24.9
Normalized	46.87%	100%	87.15%
Standard Deviation	2.3%	1%	0.2%
PyPerformance - nbody (Milliseconds)	<b>141</b>	<b>66.7</b>	81.9
Normalized	47.3%	100%	81.44%
Standard Deviation	1.5%	1.9%	2.5%
Zstd Compression - 19, Long Mode - Compression Speed (MB/s)	47.5	<b>52.4</b>	<b>4.31</b>
Normalized	90.65%	100%	8.23%
Standard Deviation	2.2%	1.1%	0.2%
Zstd Compression - 3 - Compression Speed (MB/s)	<b>6926</b>	5609	<b>632.4</b>
Normalized	100%	80.99%	9.13%
Standard Deviation	0.4%	0.7%	2.1%
PyPerformance - regex_compile	<b>142</b>	<b>72.0</b>	79.5
Normalized	50.7%	100%	90.57%
Standard Deviation	2.4%	0.3%	0.1%
Inkscape - SVG Files To PNG (sec)	<b>31.691</b>	<b>16.977</b>	17.904
Normalized	53.57%	100%	94.82%
Standard Deviation	1.7%	0.4%	0%
PyPerformance - pathlib (Milliseconds)	<b>16.9</b>	9.68	<b>9.53</b>
Normalized	56.39%	98.45%	100%
Standard Deviation	2.2%	0.8%	0.3%
Renaissance - Savina Reactors.IO (ms)	<b>5754</b>	<b>3342</b>	4085
Normalized	58.08%	100%	81.8%
Standard Deviation	2.2%	0.6%	0.5%
GEGL - Tile Glass (sec)	<b>31.275</b>	<b>18.315</b>	19.478
Normalized	58.56%	100%	94.03%
Standard Deviation	4.7%	0.2%	0.2%
PHPBench - P.B.S (Score)	<b>718400</b>	<b>1223393</b>	982381
Normalized	58.72%	100%	80.3%
Standard Deviation	2.5%	1.2%	0.1%
PyPerformance - json.loads (Milliseconds)	<b>19.4</b>	<b>11.9</b>	12
Normalized	61.34%	100%	99.17%
Standard Deviation	2.5%	0.5%	0%
LibreOffice - 2.D.T.P (sec)	<b>5.324</b>	3.909	<b>3.305</b>
Normalized	62.08%	84.55%	100%
Standard Deviation	4.6%	2.1%	1.8%
GEGL - Antialias (sec)	<b>37.075</b>	<b>23.406</b>	24.240
Normalized	63.13%	100%	96.56%
Standard Deviation	1.5%	0.2%	0.3%
PyPerformance - python_startup	<b>7.12</b>	<b>4.51</b>	5.14
Normalized	63.34%	100%	87.74%
Standard Deviation	0.1%	0%	0.2%
GEGL - Cartoon (sec)	<b>94.311</b>	61.127	<b>59.805</b>
Normalized	63.41%	97.84%	100%
Standard Deviation	1%	0.3%	0.5%
Renaissance - A.U.C.T (ms)	<b>12349</b>	<b>7960</b>	8945
Normalized	64.46%	100%	88.98%
Standard Deviation	2.4%	1%	2.3%

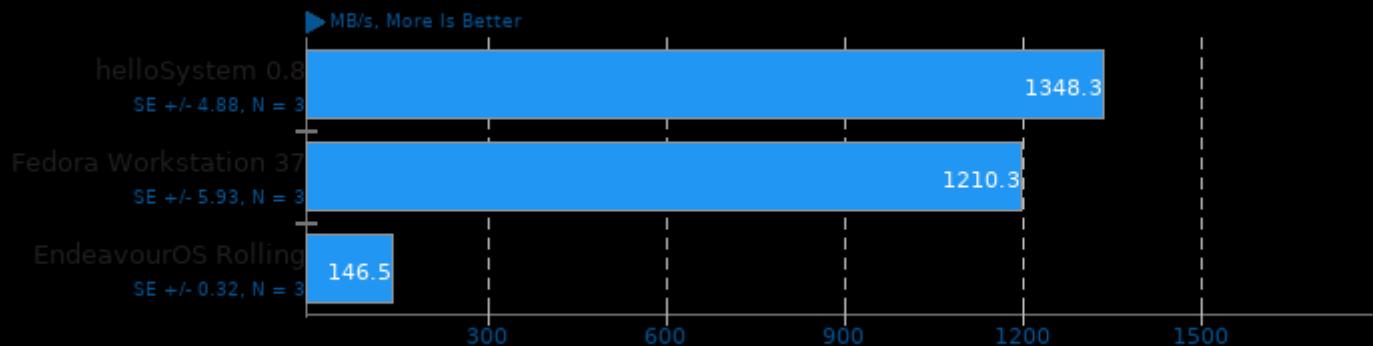
<b>GEGL - Wavelet Blur (sec)</b>	<b>57.243</b>	<b>37.715</b>	38.349
Normalized	65.89%	100%	98.35%
Standard Deviation	3.9%	0.6%	0.7%
<b>PyBench - T.F.A.T.T (Milliseconds)</b>	<b>811</b>	<b>644</b>	<b>614</b>
Normalized	75.71%	95.34%	100%
Standard Deviation	1.7%	0.5%	0.2%
<b>GEGL - Rotate 90 Degrees (sec)</b>	<b>43.619</b>	<b>33.415</b>	33.594
Normalized	76.61%	100%	99.47%
Standard Deviation	2.7%	1%	0.4%
<b>Renaissance - G.A.U.J.F (ms)</b>	<b>1400</b>	<b>1707</b>	<b>1773</b>
Normalized	100%	82.02%	78.95%
Standard Deviation	3.8%	1%	2.4%
<b>Renaissance - F.H.R (ms)</b>	<b>2586</b>	<b>2130</b>	2302
Normalized	82.34%	100%	92.51%
Standard Deviation	1.8%	0.4%	0.9%
<b>Blender - Fishy Cat - CPU-Only (sec)</b>	63.85	<b>70.35</b>	<b>59.39</b>
Normalized	93.01%	84.42%	100%
Standard Deviation	0.3%	0.2%	0.6%
<b>GEGL - Color Enhance (sec)</b>	<b>37.114</b>	<b>31.501</b>	32.252
Normalized	84.88%	100%	97.67%
Standard Deviation	2.1%	0.4%	0.8%
<b>OpenSCAD - Pistol (sec)</b>	<b>41.534</b>	47.675	<b>48.907</b>
Normalized	100%	87.12%	84.92%
Standard Deviation	3.9%	1.7%	1%
<b>Git - T.T.C.C.G.C (sec)</b>	<b>35.960</b>	31.675	<b>31.206</b>
Normalized	86.78%	98.52%	100%
Standard Deviation	0.6%	2.1%	0.4%
<b>Numpy Benchmark (Score)</b>	<b>841.75</b>	881.19	<b>968.09</b>
Normalized	86.95%	91.02%	100%
Standard Deviation	0.8%	0.4%	0.3%
<b>Blender - Pabellon Barcelona - CPU-Only</b>	139.68	<b>152.49</b>	<b>133.27</b>
Normalized	95.41%	87.4%	100%
Standard Deviation	0.3%	0.3%	0.3%
<b>Blender - Classroom - CPU-Only (sec)</b>	100.57	<b>108.12</b>	<b>95.59</b>
Normalized	95.05%	88.41%	100%
Standard Deviation	0.3%	0.3%	0.1%
<b>Zstd Compression - 3 - D.S (MB/s)</b>	<b>5590</b>	5813	<b>6183</b>
Normalized	90.4%	94.01%	100%
Standard Deviation	0.1%	0.8%	0.7%
<b>GEGL - Reflect (sec)</b>	<b>21.156</b>	<b>19.260</b>	20.250
Normalized	91.04%	100%	95.11%
Standard Deviation	3.1%	2.3%	0.8%
<b>Zstd Compression - 8 - D.S (MB/s)</b>	<b>5859</b>	6186	<b>6416</b>
Normalized	91.32%	96.42%	100%
Standard Deviation	0.7%	1.5%	1.1%
<b>Blender - Barbershop - CPU-Only (sec)</b>	456.83	<b>493.82</b>	<b>451.16</b>
Normalized	98.76%	91.36%	100%
Standard Deviation	0.3%	0.3%	0.1%
<b>Blender - BMW27 - CPU-Only (sec)</b>	50.33	<b>53.49</b>	<b>48.88</b>
Normalized	97.12%	91.38%	100%
Standard Deviation	0.1%	0.3%	0.4%
<b>Zstd Compression - 8, Long Mode - D.S</b>	<b>6326</b>	6562	<b>6896</b>
Normalized	91.73%	95.16%	100%
Standard Deviation	1%	0.1%	0.4%
<b>Node.js V8 Web Tooling Benchmark (runs/s)</b>	<b>19.31</b>	20.59	<b>20.97</b>

	Normalized	92.08%	98.19%	100%
	Standard Deviation	4.7%	1.7%	1.6%
<b>Zstd Compression - 3, Long Mode - D.S</b>	<b>6048</b>	6364	<b>6563</b>	
	Normalized	92.15%	96.98%	100%
	Standard Deviation	0.7%	2.8%	0.6%
<b>Darktable - Masskrug - CPU-only (sec)</b>		<b>2.678</b>	<b>2.480</b>	
	Normalized	92.42%	99.8%	
	Standard Deviation	0.2%	0.7%	
<b>Darktable - Server Room - CPU-only (sec)</b>		<b>2.332</b>	<b>2.194</b>	
	Normalized	93.78%	99.68%	
	Standard Deviation	0.5%	0.6%	
<b>Zstd Compression - 19 - D.S (MB/s)</b>	<b>5090</b>	5236	<b>5376</b>	
	Normalized	94.69%	97.41%	100%
	Standard Deviation	0.4%	2.4%	0.3%
<b>Darktable - Server Rack - CPU-only (sec)</b>		<b>0.153</b>	<b>0.161</b>	
	Normalized	100%	95.03%	
	Standard Deviation	1.5%	0.7%	
<b>OpenSCAD - Retro Car (sec)</b>	<b>2.066</b>	2.112	<b>2.164</b>	
	Normalized	100%	97.82%	95.47%
	Standard Deviation	2.6%	2.3%	0.1%
<b>Zstd Compression - 19, Long Mode - D.S (MB/s)</b>	<b>5231</b>	5251	<b>5433</b>	
	Normalized	96.28%	96.65%	100%
	Standard Deviation	0.4%	0.7%	0.7%
<b>Darktable - Boat - CPU-only (sec)</b>		<b>2.333</b>	<b>2.284</b>	
	Normalized	96.66%	98.73%	
	Standard Deviation	2.4%	0.6%	
<b>OpenSSL (verify/s)</b>	<b>396721</b>	398794	<b>399524</b>	
	Normalized	99.3%	99.82%	100%
	Standard Deviation	0.1%	0.1%	0.1%
<b>OpenSSL (sign/s)</b>	<b>6098</b>	6107	<b>6112</b>	
	Normalized	99.76%	99.91%	100%
	Standard Deviation	0.2%	0.3%	0.1%
<b>SQLite - T.S.I (sec)</b>			<b>7.000</b>	
	Normalized		100%	
	Standard Deviation		0.2%	
<b>SQLite - T.S.I (sec)</b>		12.023		
	Standard Deviation		0.4%	
<b>Darktable - Server Room - CPU-only (sec)</b>	1.818			
	Standard Deviation	0.9%		
<b>Darktable - Server Rack - CPU-only (sec)</b>	0.208			
	Standard Deviation	2.1%		
<b>Darktable - Masskrug - CPU-only (sec)</b>	2.361			
	Standard Deviation	2.3%		
<b>Darktable - Boat - CPU-only (sec)</b>	2.082			
	Standard Deviation	2.9%		
<b>OpenSCAD - L.P.C.S (sec)</b>	<b>14.273</b>	14.710	<b>15.269</b>	
	Normalized	100%	97.03%	93.48%
	Standard Deviation	9.5%	2.3%	0.8%
<b>OpenSCAD - Mini-ITX Case (sec)</b>	<b>21.870</b>	23.198	<b>27.639</b>	
	Normalized	100%	94.28%	79.13%
	Standard Deviation	7.3%	1.6%	0.4%
<b>GEGL - Scale (sec)</b>	<b>9.329</b>	<b>5.054</b>	<b>5.167</b>	
	Normalized	54.18%	100%	97.81%
	Standard Deviation	10.7%	0.5%	2.1%

<b>GEGL - Crop (sec)</b>	<b>8.452</b>	<b>4.553</b>	5.010
Normalized	53.87%	100%	90.88%
Standard Deviation	9.4%	0.7%	0.4%
<b>Zstd Compression - 8 - Compression Speed (MB/s)</b>	<b>979.6</b>	<b>1000</b>	<b>32.3</b>
Normalized	97.93%	100%	3.23%
Standard Deviation	3.8%	4.9%	13.5%
<b>Renaissance - Scala Dotty (ms)</b>	<b>476.3</b>	<b>492.6</b>	<b>455.5</b>
Normalized	95.63%	92.47%	100%
Standard Deviation	4.9%	6.5%	6.9%
<b>DaCapo Benchmark - Jython (msec)</b>	<b>2867</b>	<b>2298</b>	<b>2219</b>
Normalized	77.4%	96.56%	100%
Standard Deviation	15.4%	1.1%	1.3%
<b>DaCapo Benchmark - H2 (msec)</b>	<b>3288</b>	<b>1970</b>	<b>2139</b>
Normalized	59.91%	100%	92.1%
Standard Deviation	20.2%	6.6%	2.3%

## Zstd Compression

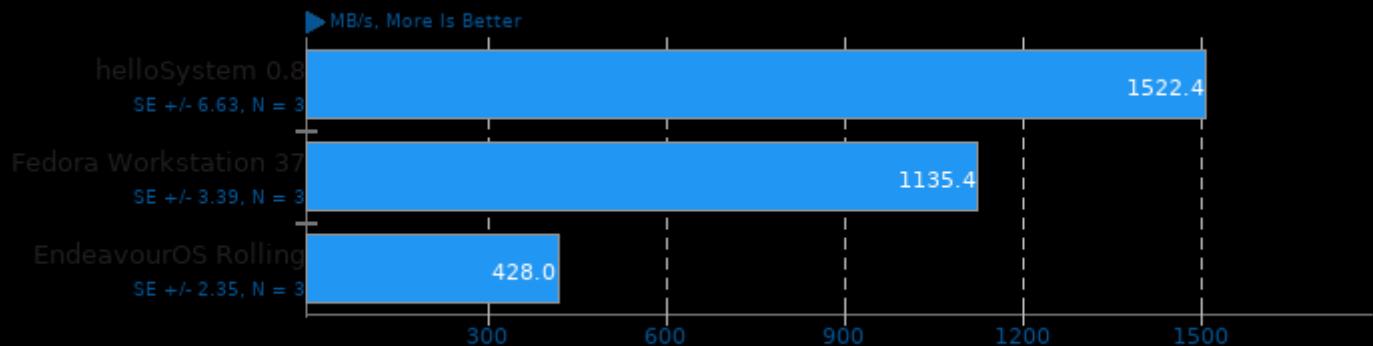
Compression Level: 8, Long Mode - Compression Speed



1. \*\*\* zstd command line interface 64-bits v1.5.2, by Yann Collet \*\*\*

## Zstd Compression

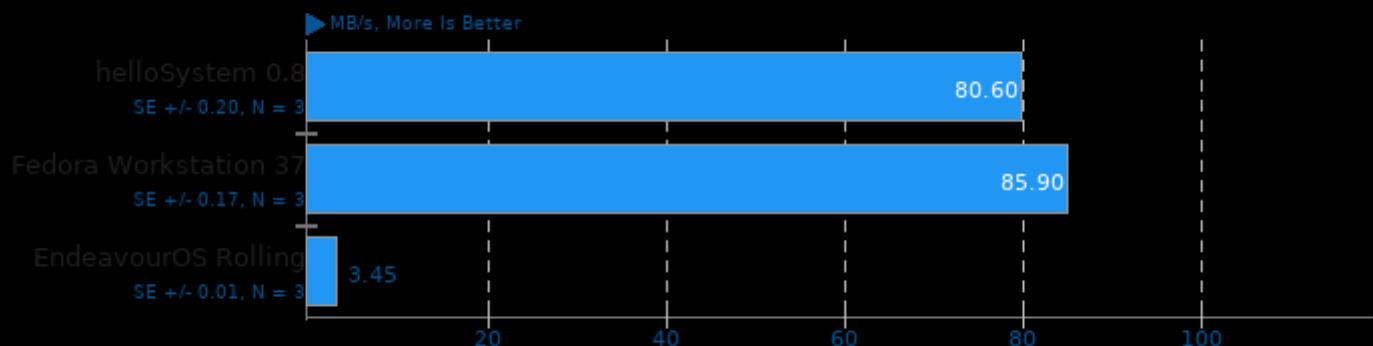
Compression Level: 3, Long Mode - Compression Speed



1. \*\*\* zstd command line interface 64-bits v1.5.2, by Yann Collet \*\*\*

## Zstd Compression

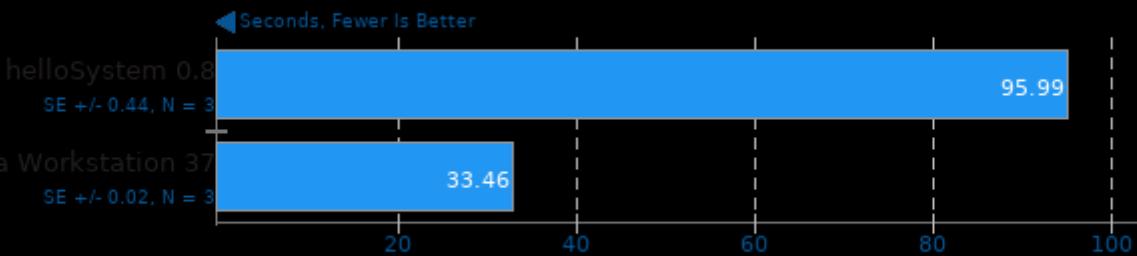
Compression Level: 19 - Compression Speed



1. \*\*\* zstd command line interface 64-bits v1.5.2, by Yann Collet \*\*\*

## RawTherapee

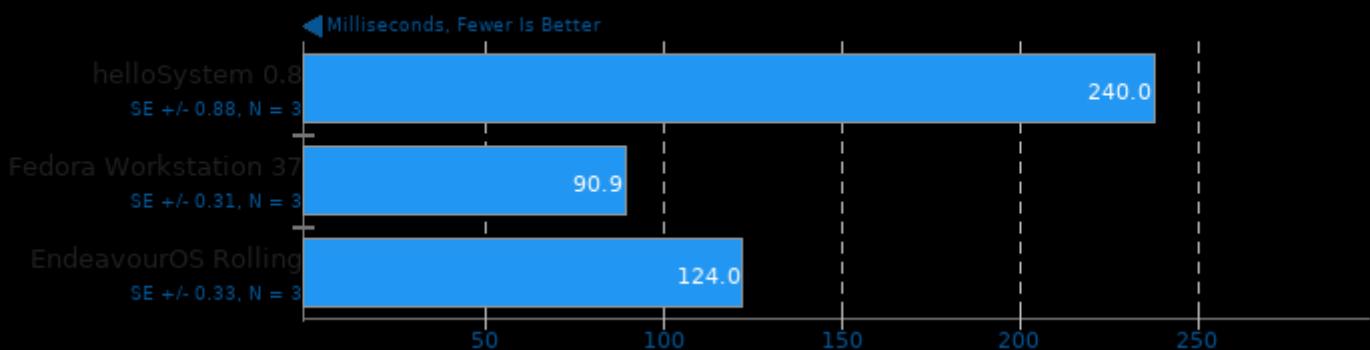
Total Benchmark Time



1. RawTherapee, version 5.9, command line.

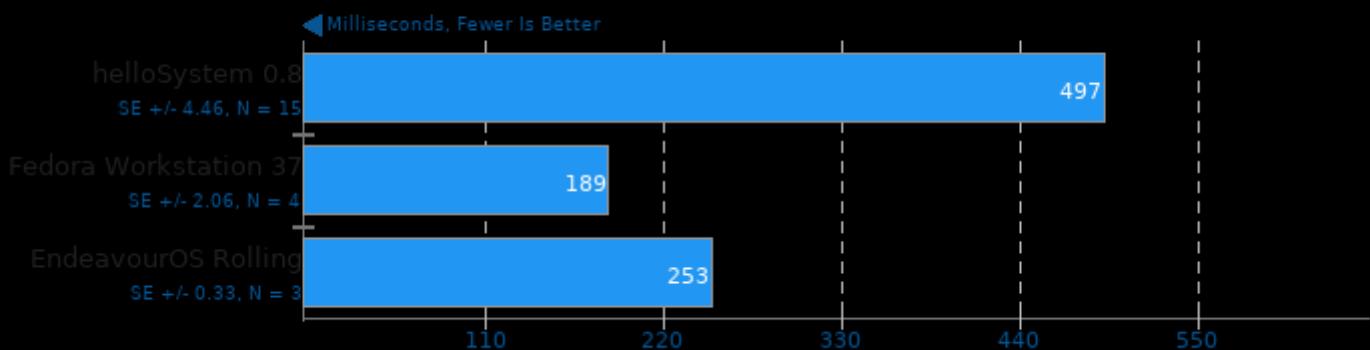
## PyPerformance 1.0.0

Benchmark: go



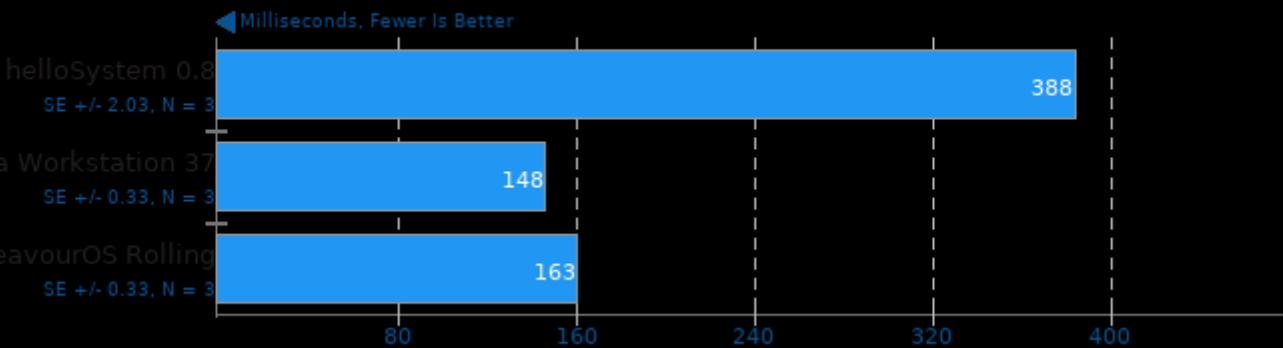
## PyPerformance 1.0.0

Benchmark: raytrace



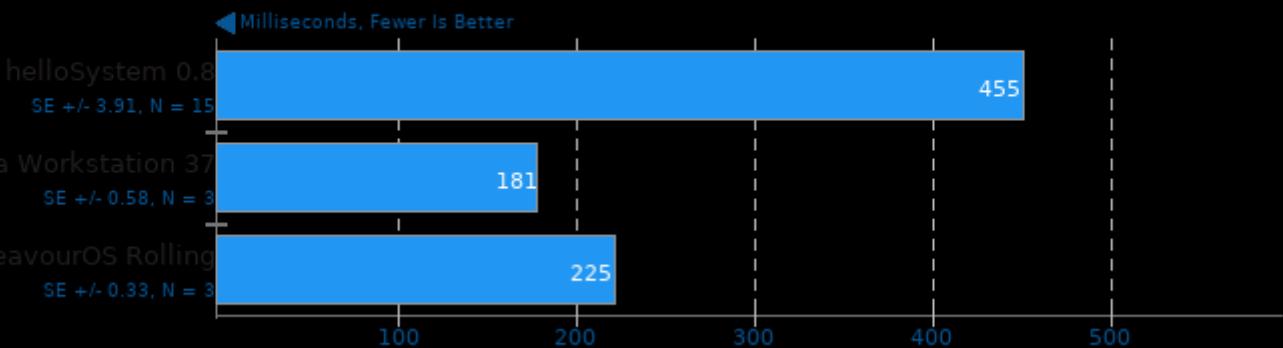
## PyPerformance 1.0.0

Benchmark: 2to3



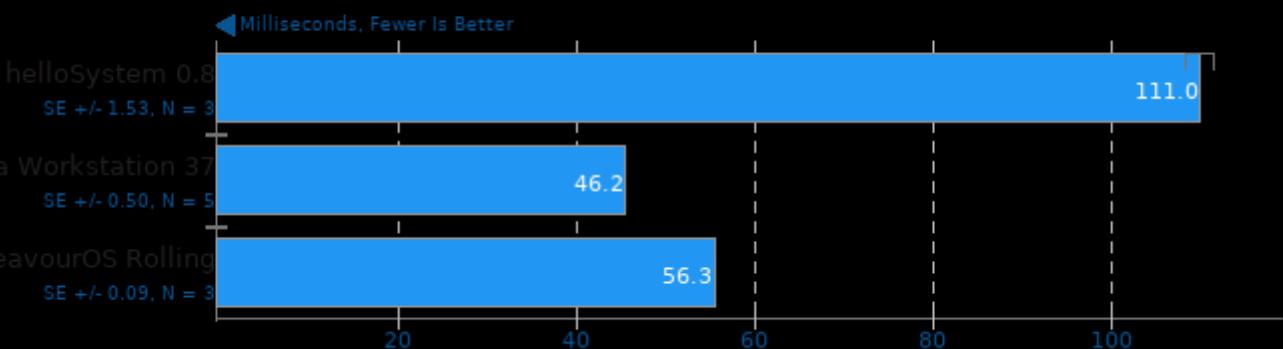
## PyPerformance 1.0.0

Benchmark: pickle\_pure\_python



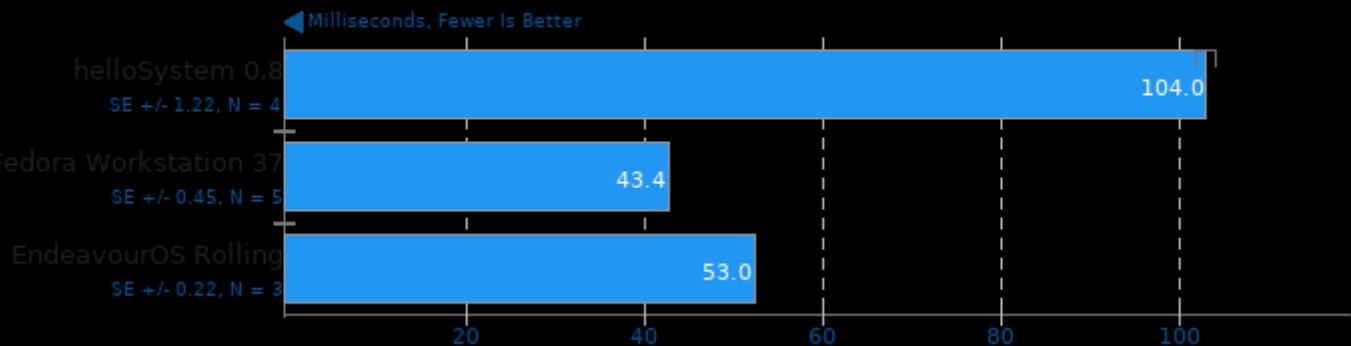
## PyPerformance 1.0.0

Benchmark: float



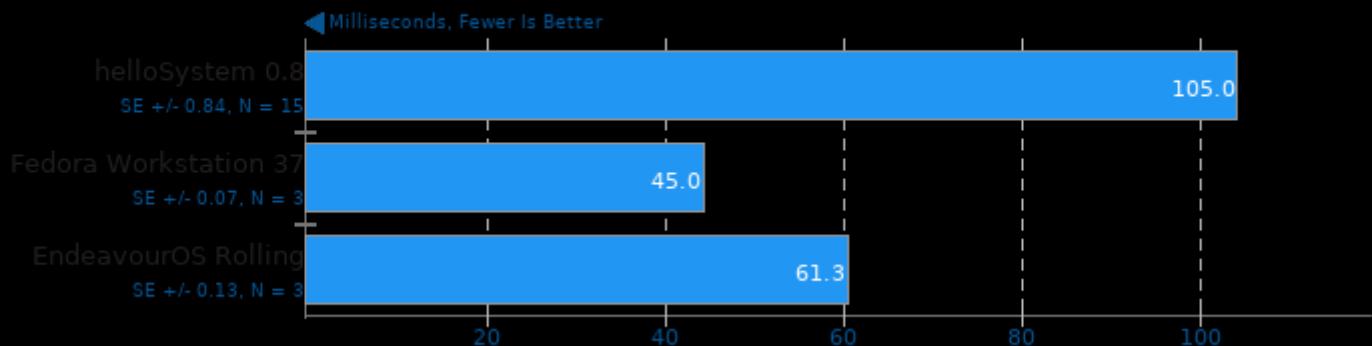
## PyPerformance 1.0.0

Benchmark: chaos



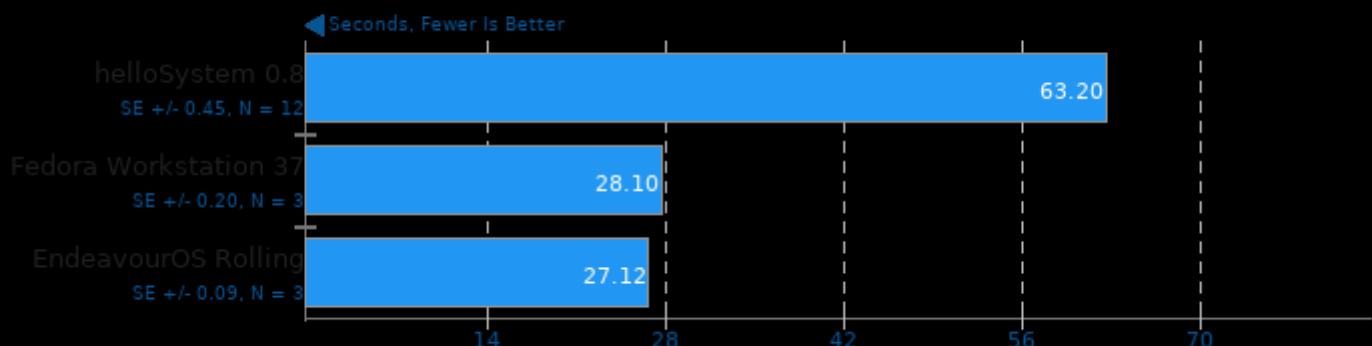
## PyPerformance 1.0.0

Benchmark: crypto\_pyaes



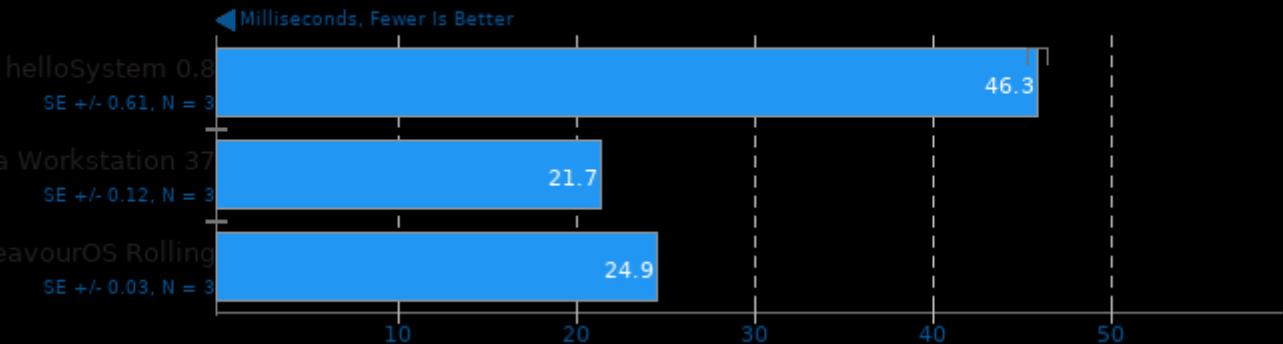
## Hugin

Panorama Photo Assistant + Stitching Time



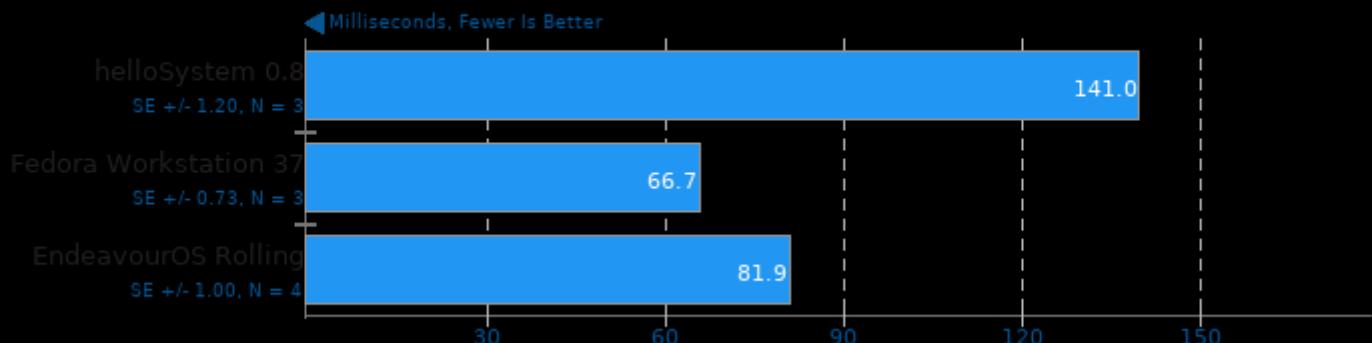
## PyPerformance 1.0.0

Benchmark: django\_template



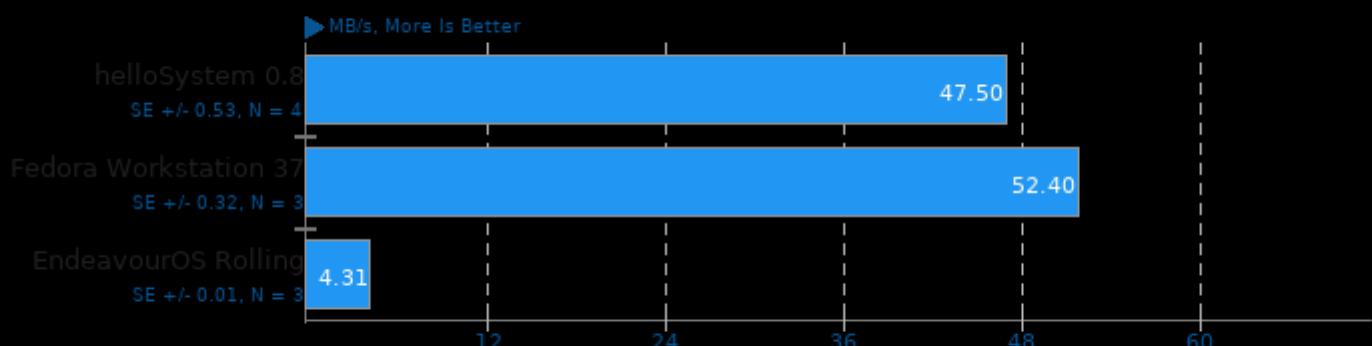
## PyPerformance 1.0.0

Benchmark: nbody



## Zstd Compression

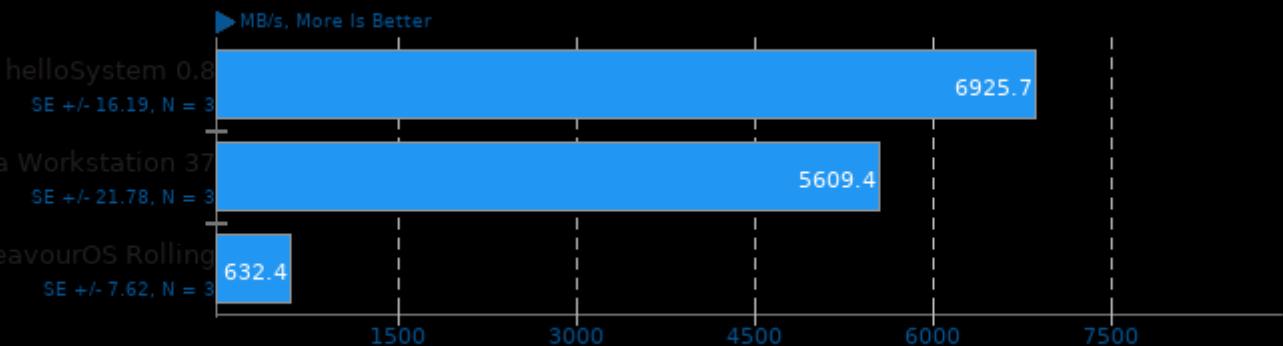
Compression Level: 19, Long Mode - Compression Speed



1. \*\*\* zstd command line interface 64-bits v1.5.2, by Yann Collet \*\*\*

## Zstd Compression

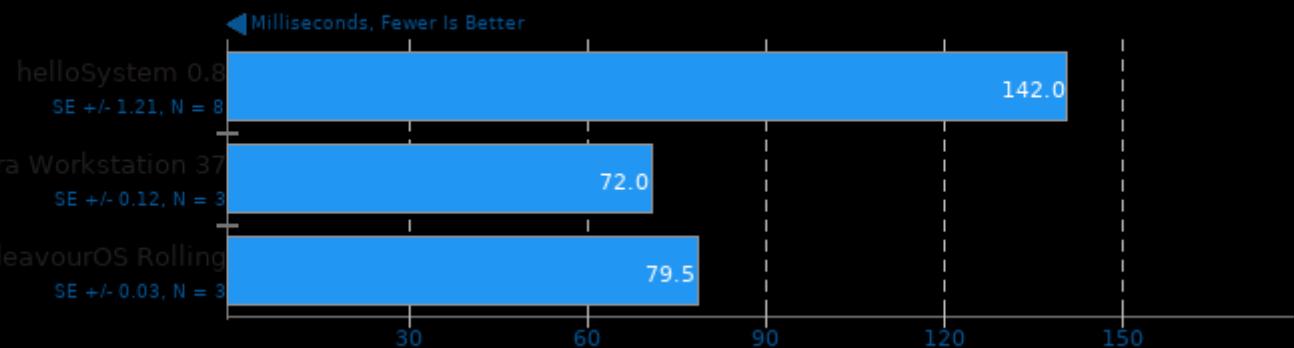
Compression Level: 3 - Compression Speed



1. \*\*\* zstd command line interface 64-bits v1.5.2, by Yann Collet \*\*\*

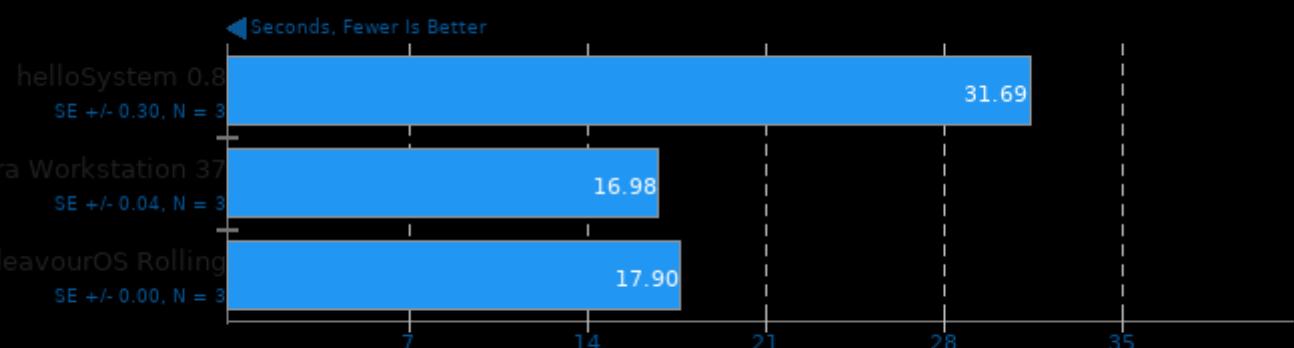
## PyPerformance 1.0.0

Benchmark: regex\_compile



## Inkscape

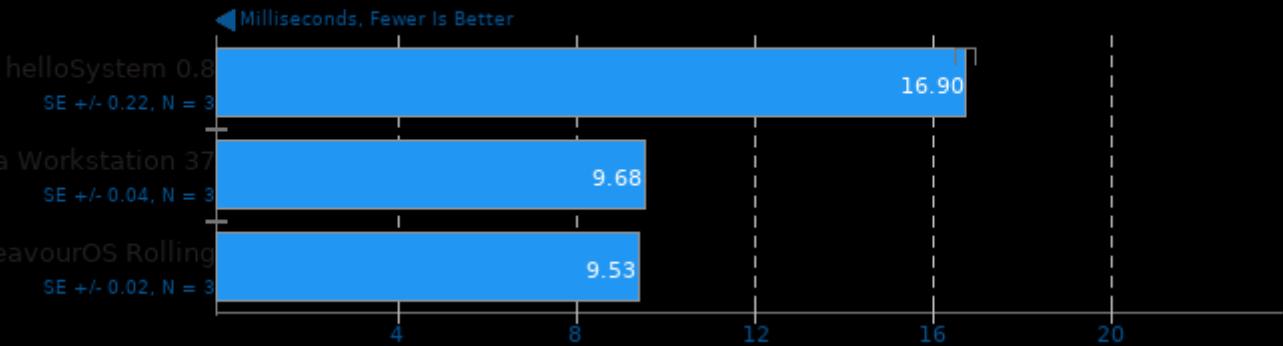
Operation: SVG Files To PNG



1. Inkscape 1.2.2 (b0a8486541, 2022-12-01)

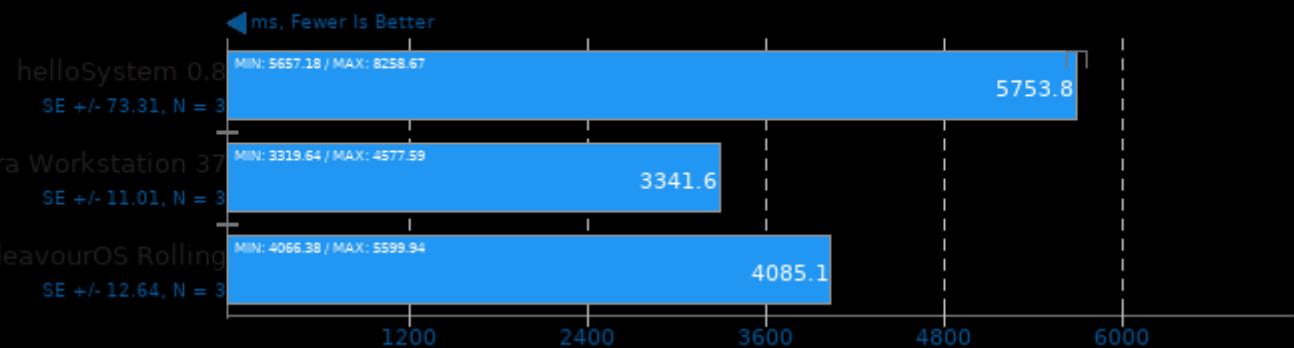
## PyPerformance 1.0.0

Benchmark: pathlib



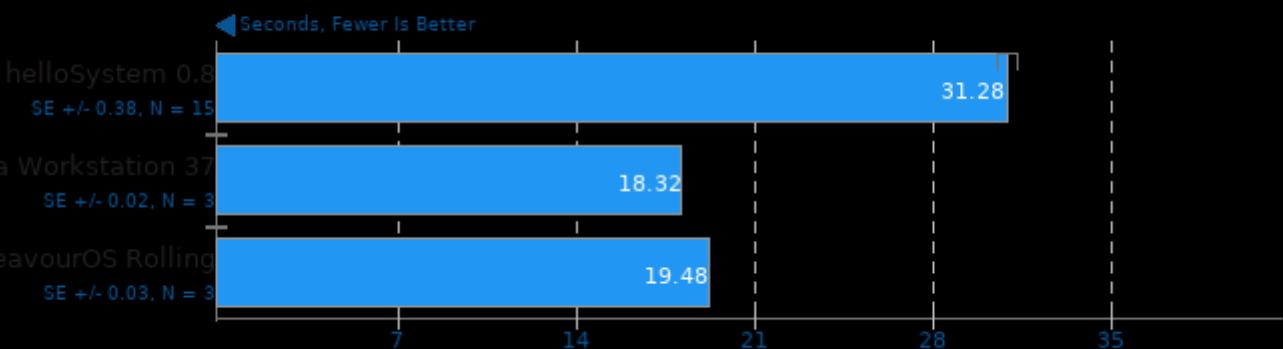
## Renaissance 0.14

Test: Savina Reactors.IO



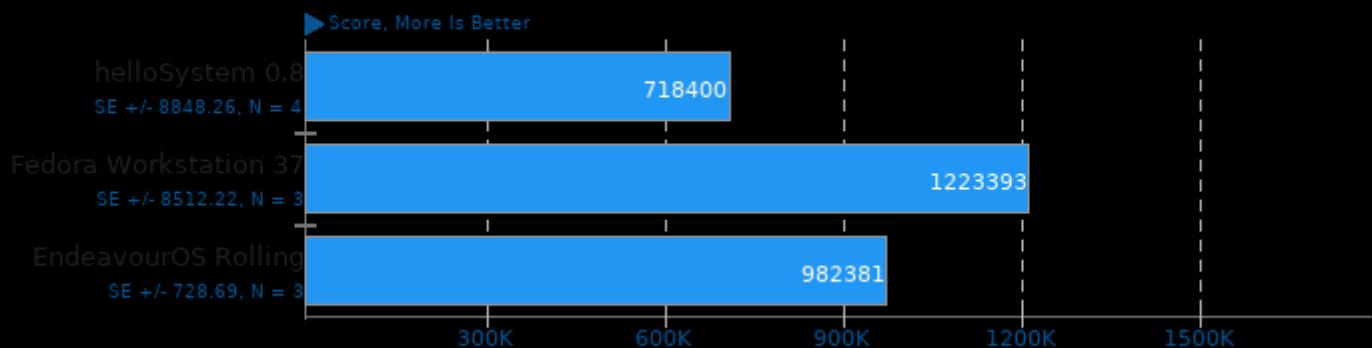
## GEGL

Operation: Tile Glass



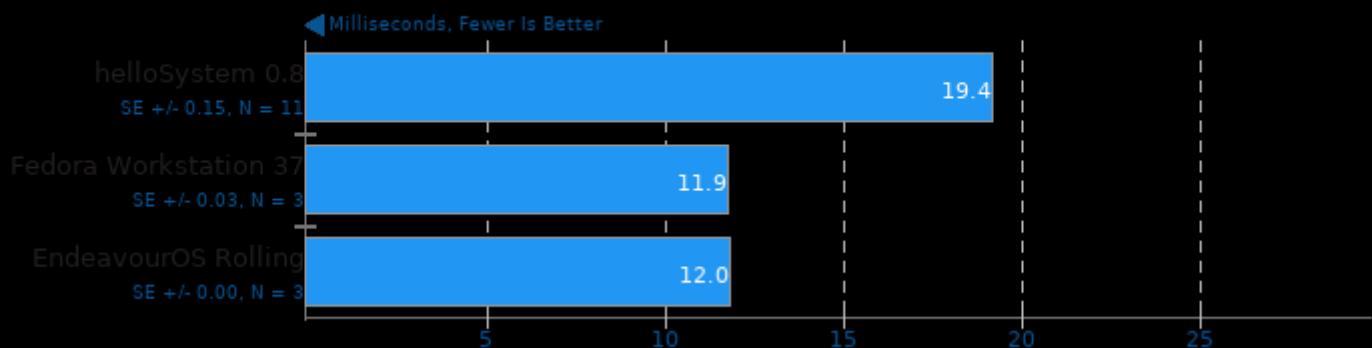
## PHPBench 0.8.1

PHP Benchmark Suite



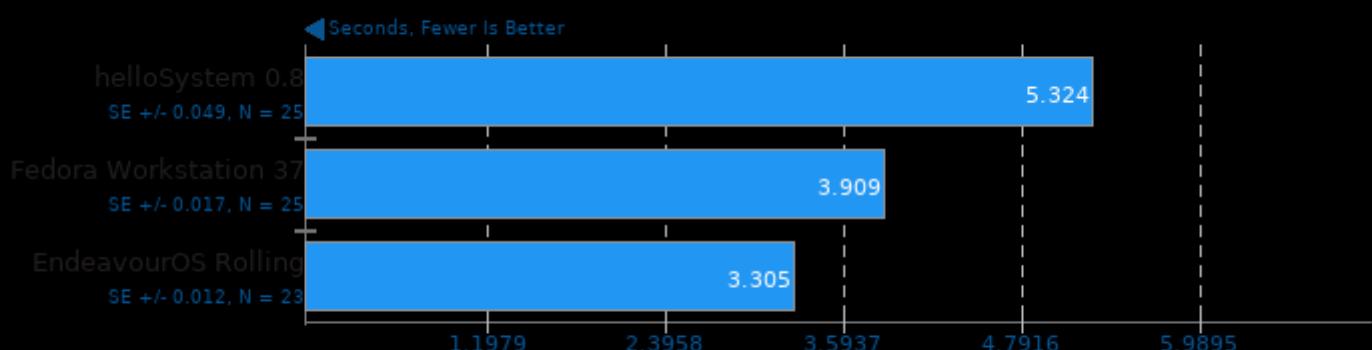
## PyPerformance 1.0.0

Benchmark: json.loads



## LibreOffice

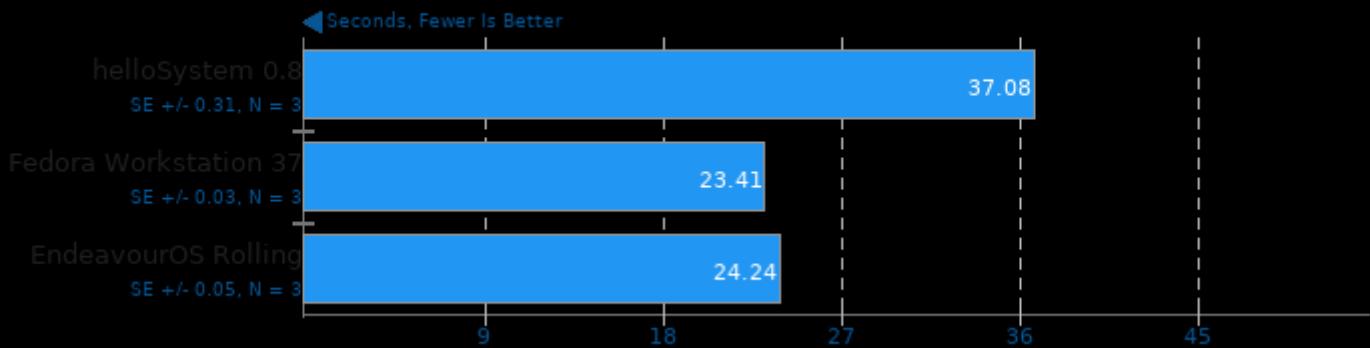
Test: 20 Documents To PDF



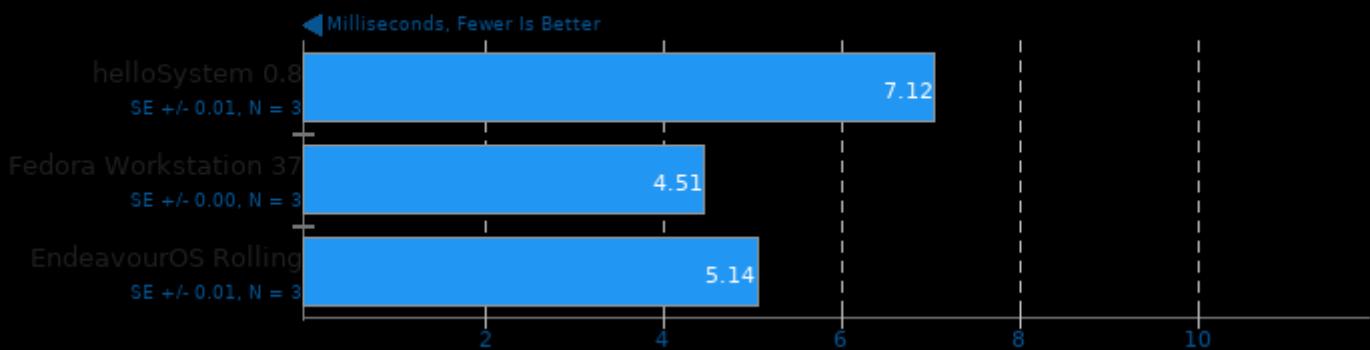
1. helloSystem 0.8: LibreOffice 7.4.4.2 40(Build:2)
2. Fedora Workstation 37: LibreOffice 7.4.3.2 40(Build:2)
3. EndeavourOS Rolling: LibreOffice 7.4.4.2 40(Build:2)

**GEGL**

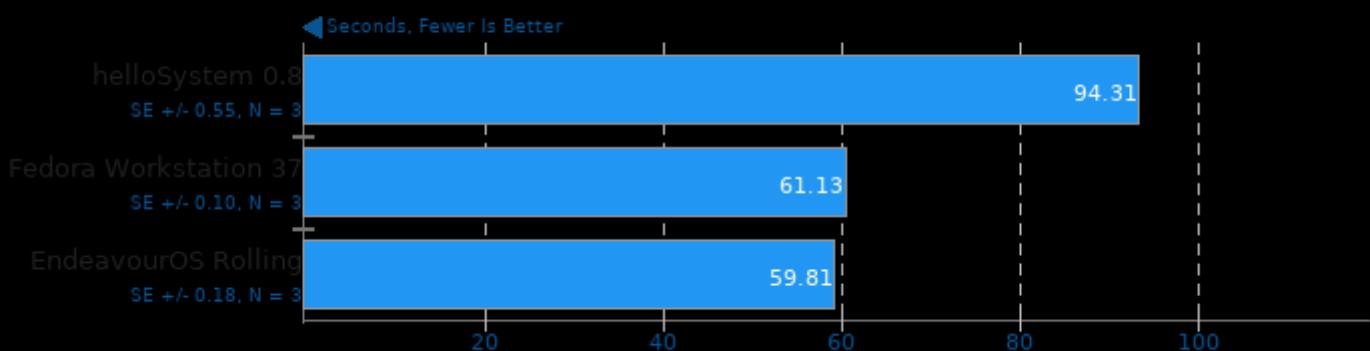
Operation: Antialias

**PyPerformance 1.0.0**

Benchmark: python\_startup

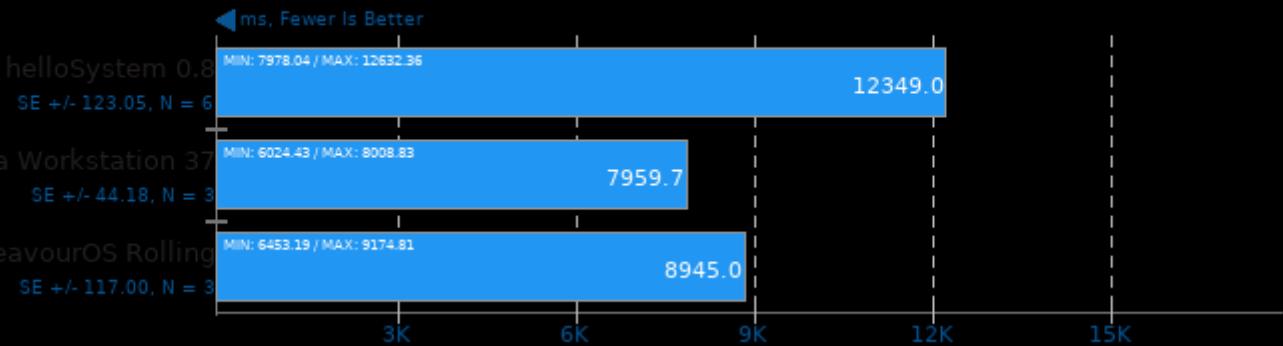
**GEGL**

Operation: Cartoon



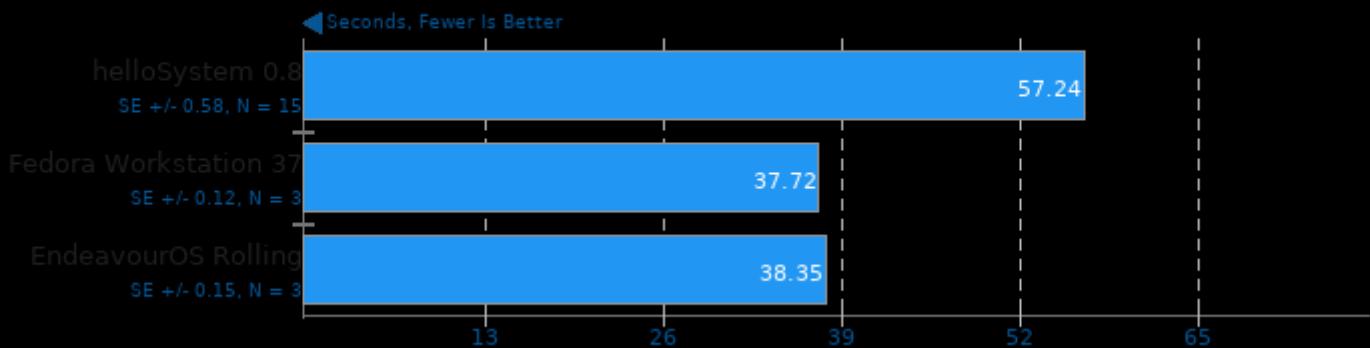
## Renaissance 0.14

Test: Akka Unbalanced Cobwebbed Tree



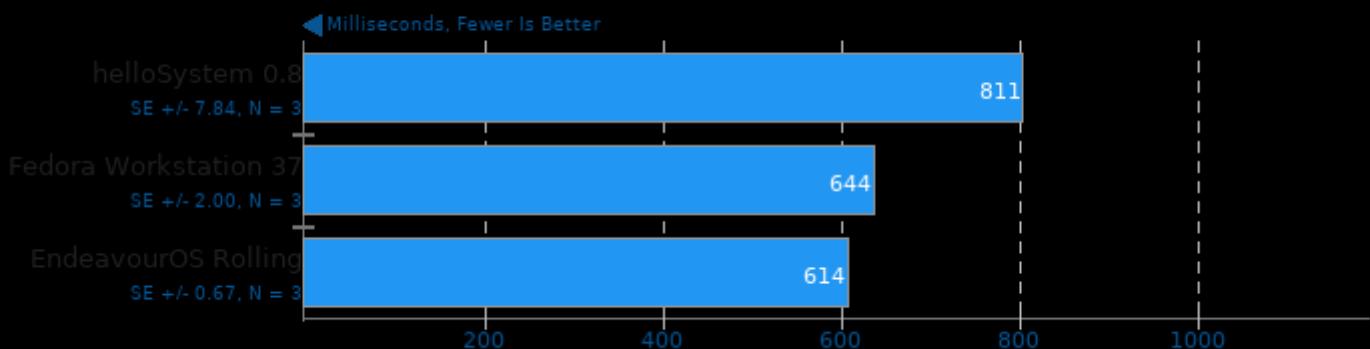
## GEGL

Operation: Wavelet Blur



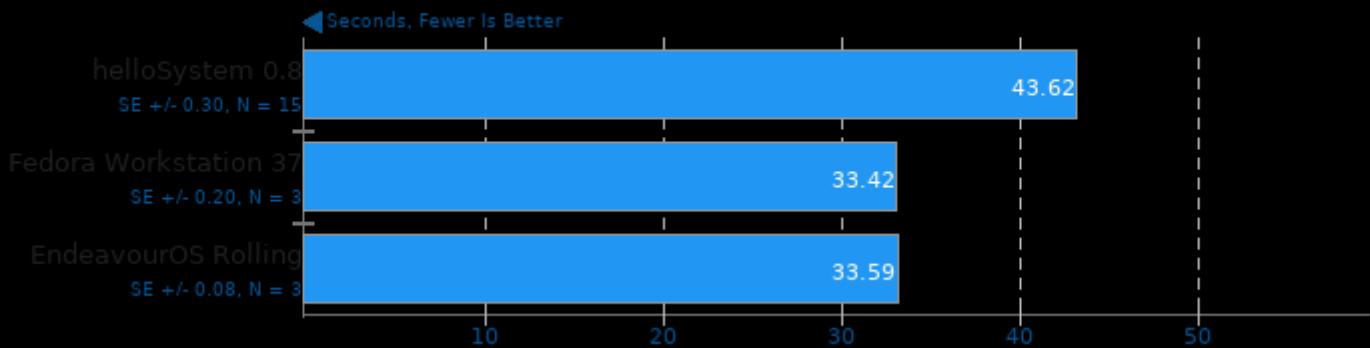
## PyBench 2018-02-16

Total For Average Test Times



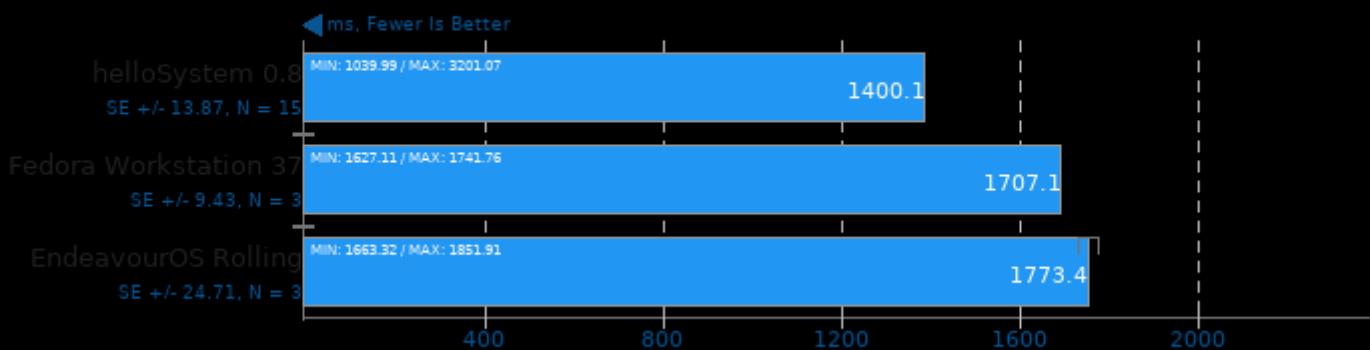
## GEGL

Operation: Rotate 90 Degrees



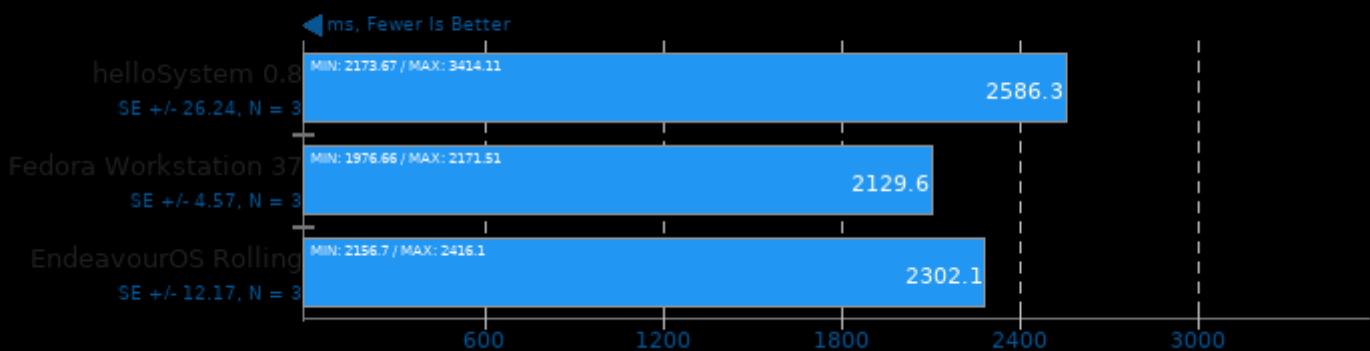
## Renaissance 0.14

Test: Genetic Algorithm Using Jenetics + Futures



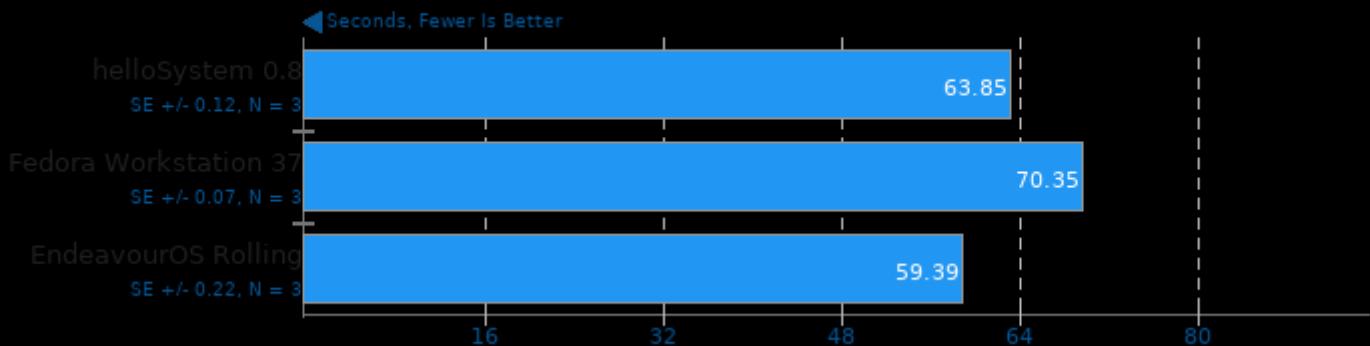
## Renaissance 0.14

Test: Finagle HTTP Requests



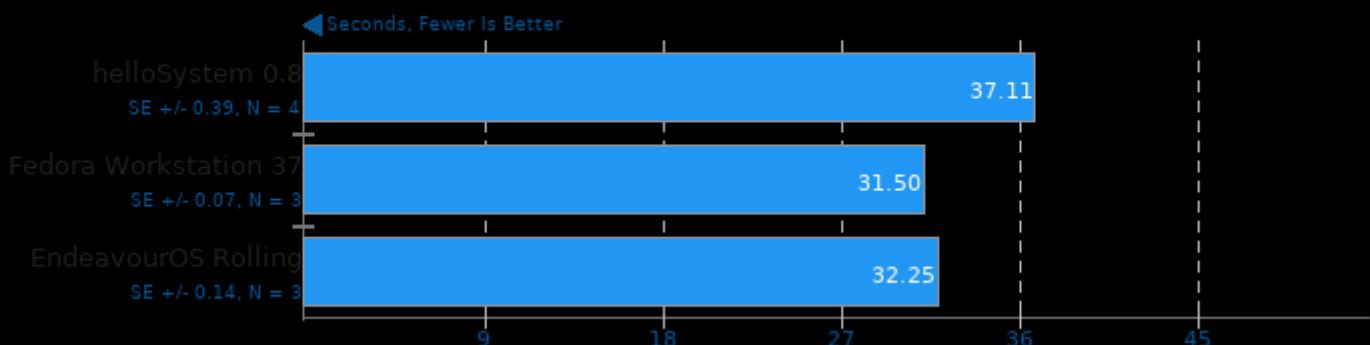
## Blender 3.4.1

Blend File: Fishy Cat - Compute: CPU-Only



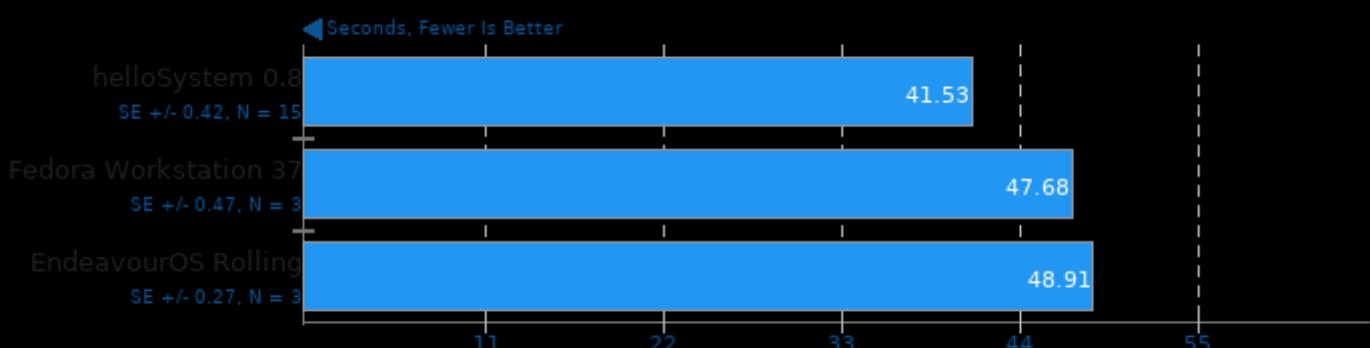
## GEGL

Operation: Color Enhance



## OpenSCAD

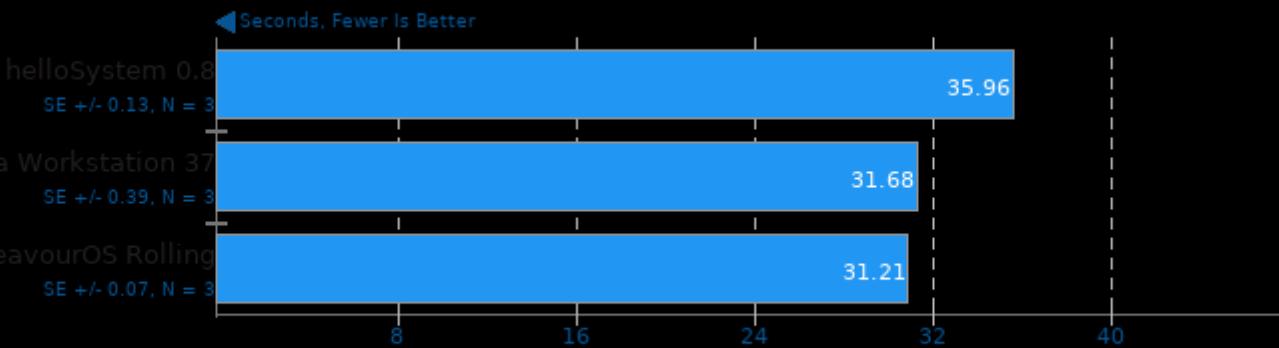
Render: Pistol



1. helloSystem 0.8: OpenSCAD version 2023.01.17
2. Fedora Workstation 37: OpenSCAD version 2021.01
3. EndeavourOS Rolling: OpenSCAD version 2021.01

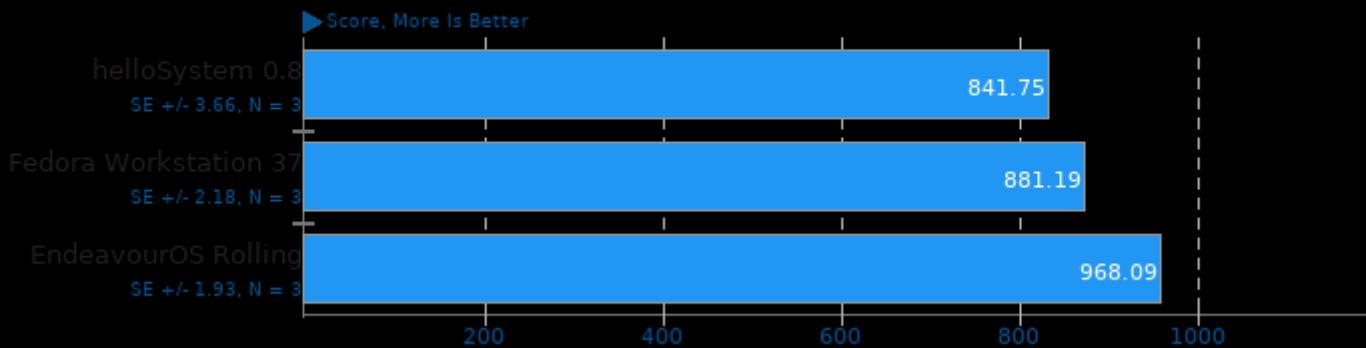
## Git

Time To Complete Common Git Commands



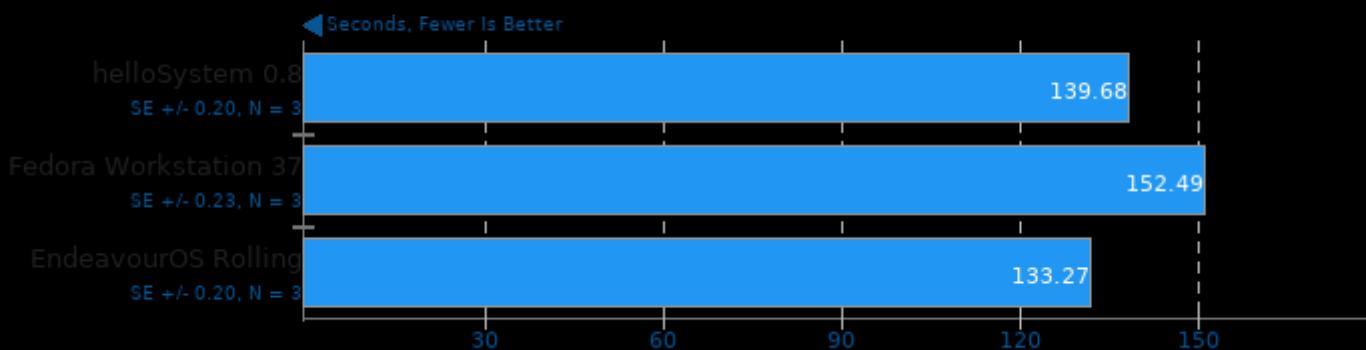
git version 2.39.1

## Numpy Benchmark



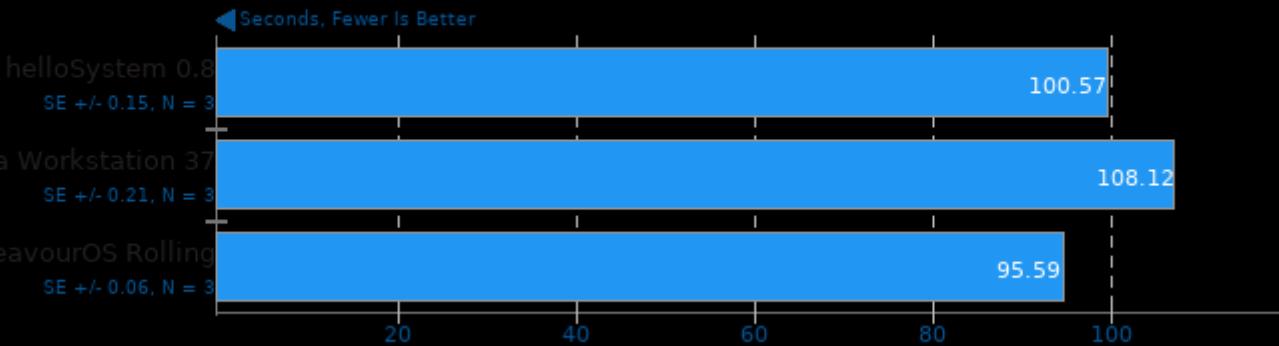
## Blender 3.4.1

Blend File: Pabellon Barcelona - Compute: CPU-Only



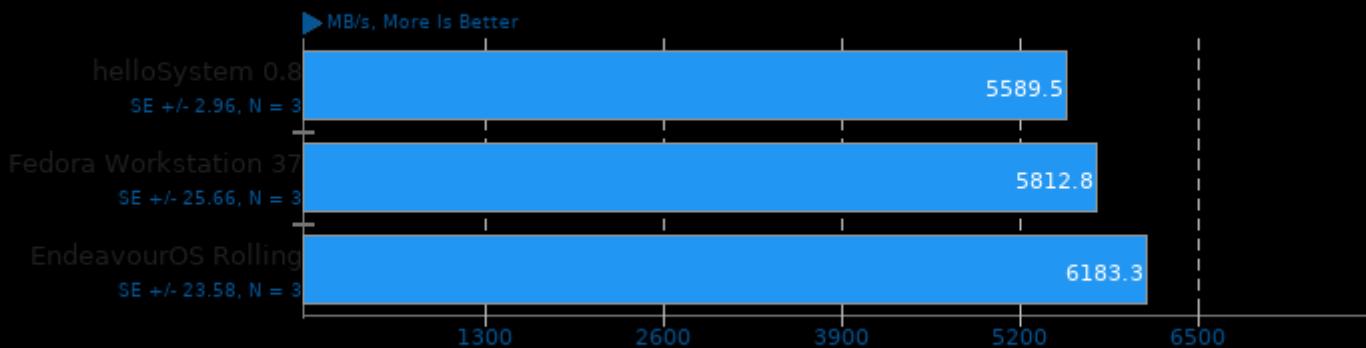
## Blender 3.4.1

Blend File: Classroom - Compute: CPU-Only



## Zstd Compression

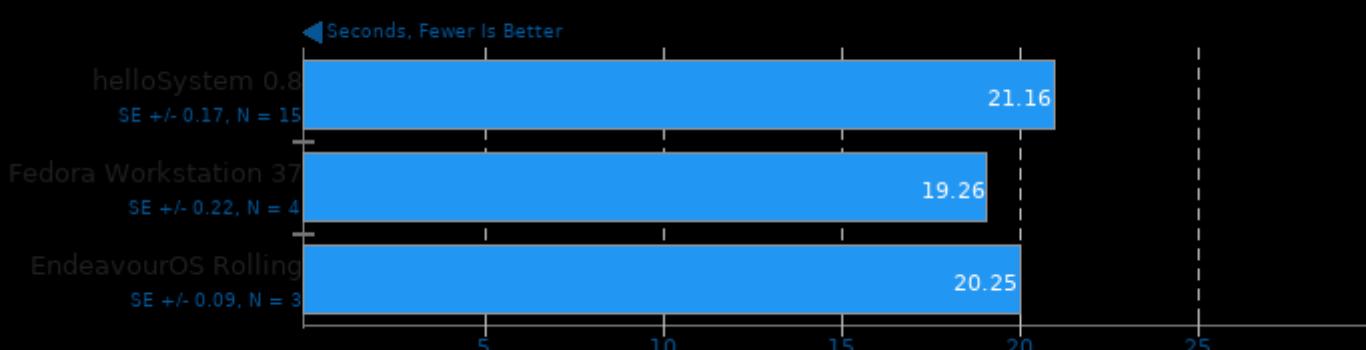
Compression Level: 3 - Decompression Speed



1. \*\*\* zstd command line interface 64-bits v1.5.2, by Yann Collet \*\*\*

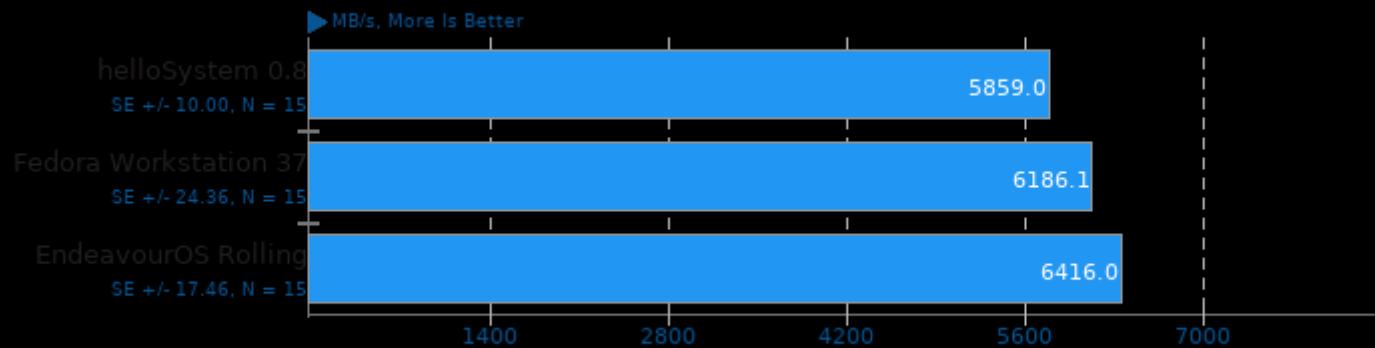
## GEGL

Operation: Reflect



## Zstd Compression

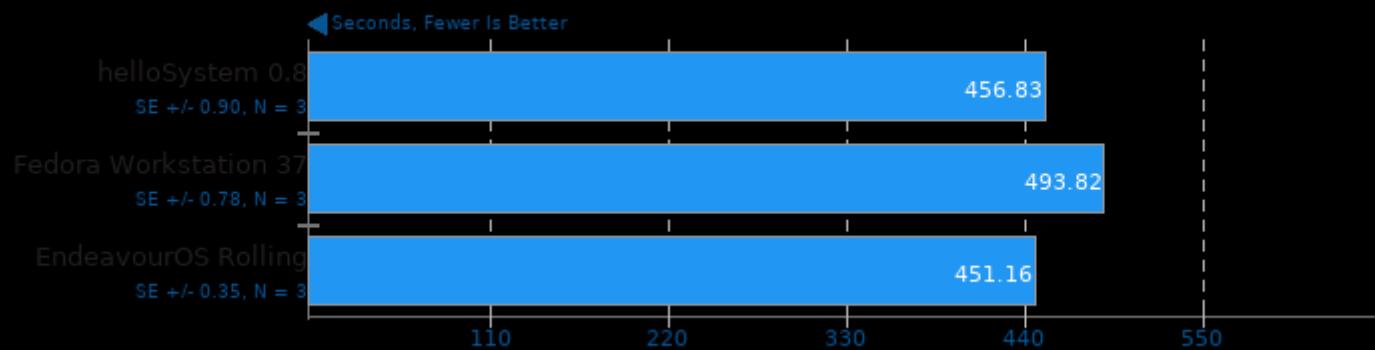
Compression Level: 8 - Decompression Speed



1. \*\*\* zstd command line interface 64-bits v1.5.2, by Yann Collet \*\*\*

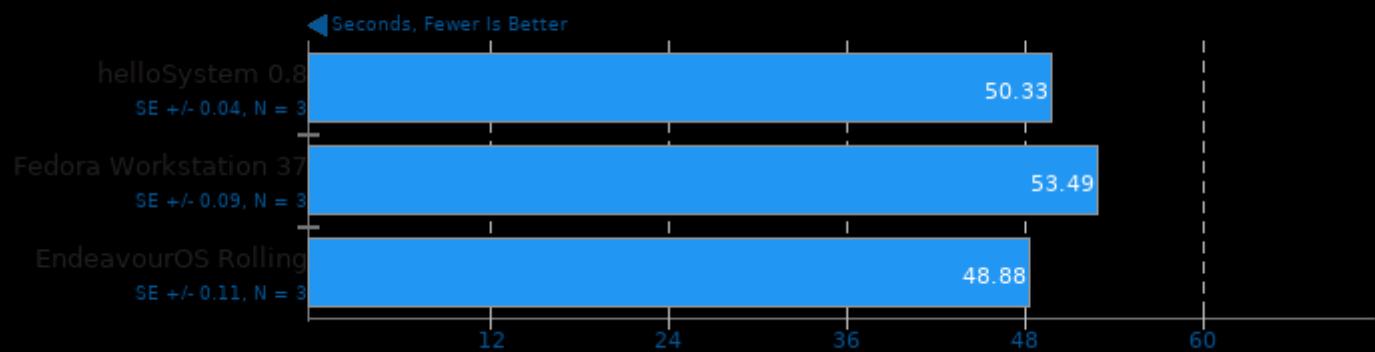
## Blender 3.4.1

Blend File: Barbershop - Compute: CPU-Only



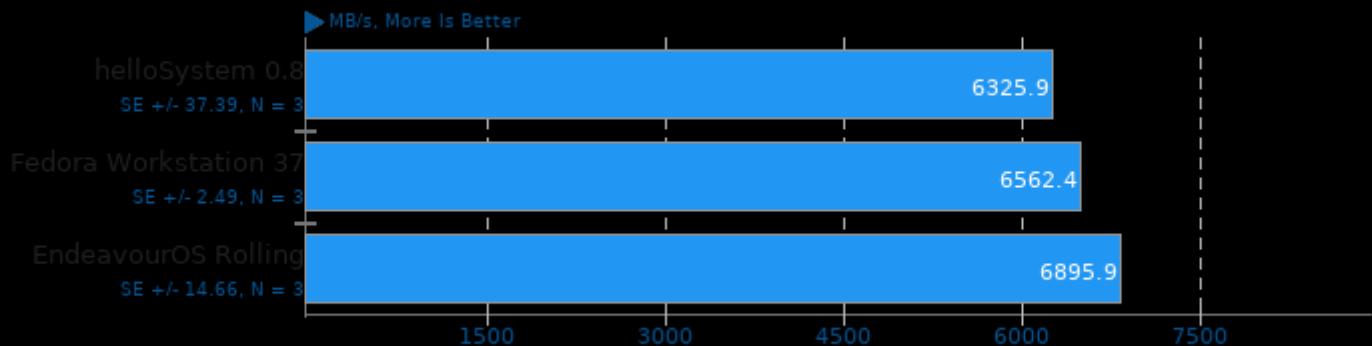
## Blender 3.4.1

Blend File: BMW27 - Compute: CPU-Only



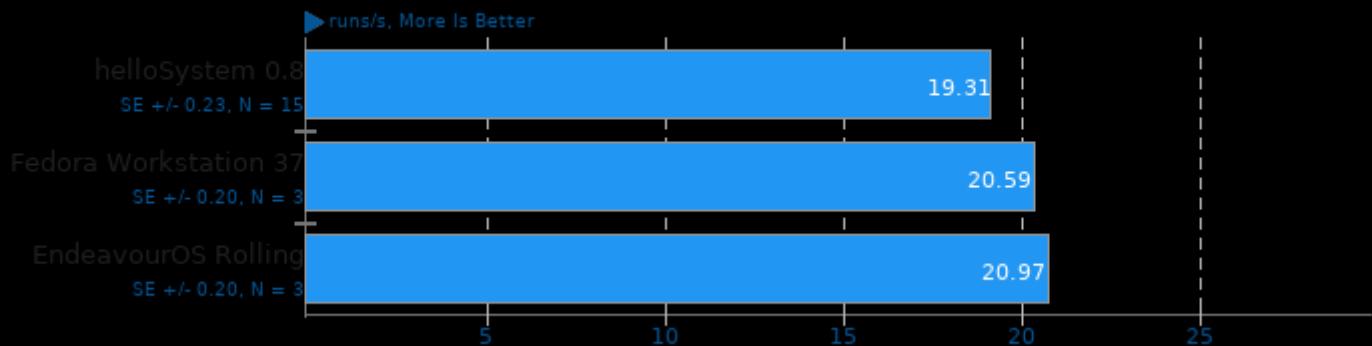
## Zstd Compression

Compression Level: 8, Long Mode - Decompression Speed



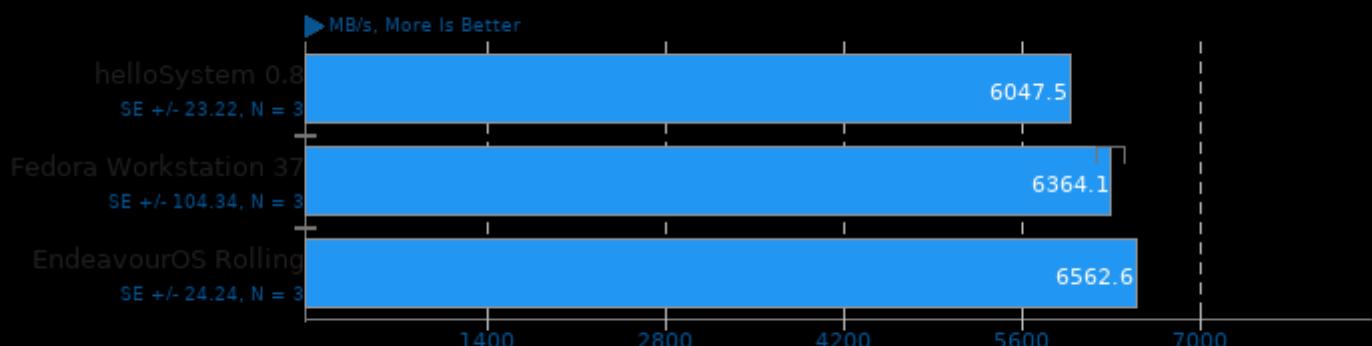
1. \*\*\* zstd command line interface 64-bits v1.5.2, by Yann Collet \*\*\*

## Node.js V8 Web Tooling Benchmark



## Zstd Compression

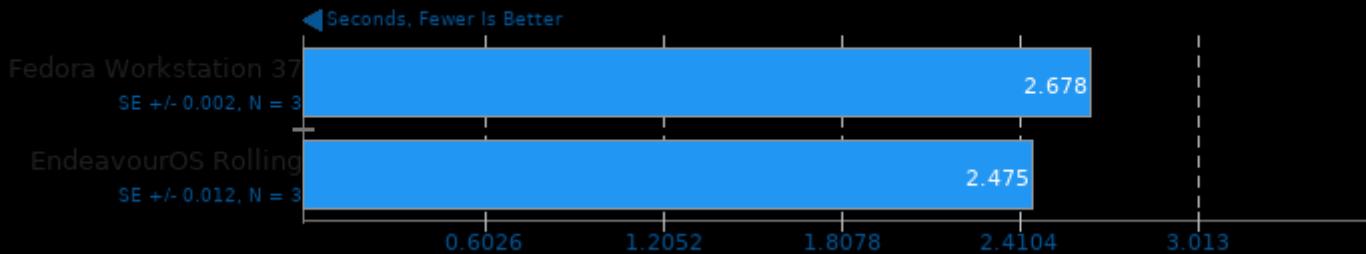
Compression Level: 3, Long Mode - Decompression Speed



1. \*\*\* zstd command line interface 64-bits v1.5.2, by Yann Collet \*\*\*

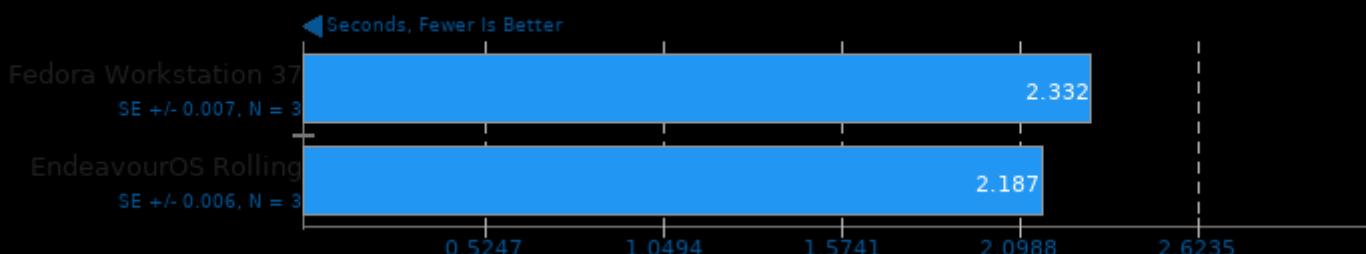
## Darktable 4.2.0

Test: Masskrug - Acceleration: CPU-only



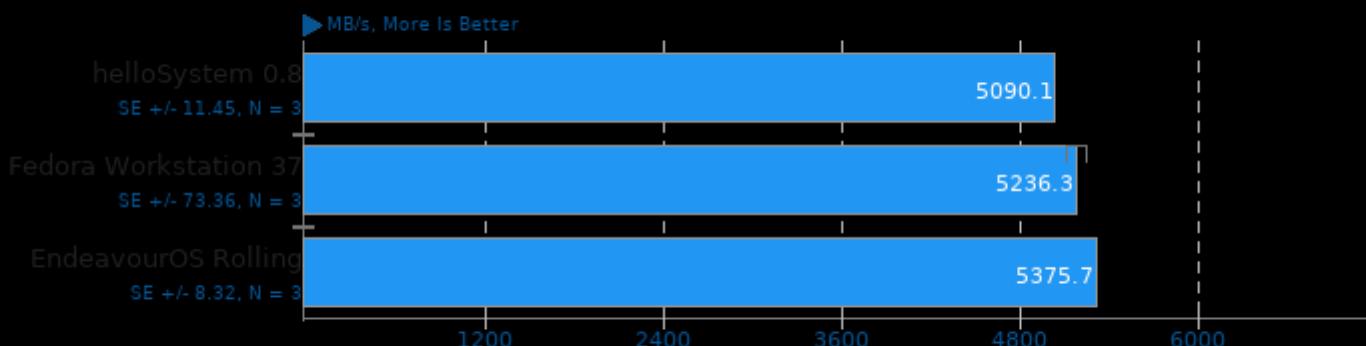
## Darktable 4.2.0

Test: Server Room - Acceleration: CPU-only



## Zstd Compression

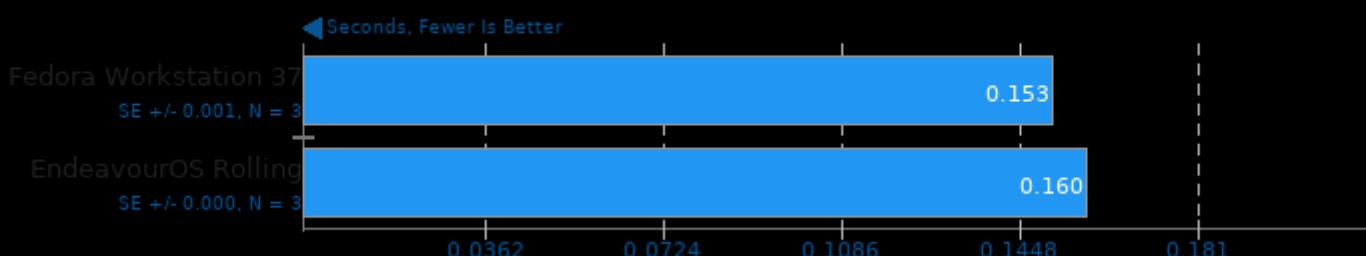
Compression Level: 19 - Decompression Speed



1. \*\*\* zstd command line interface 64-bits v1.5.2, by Yann Collet \*\*\*

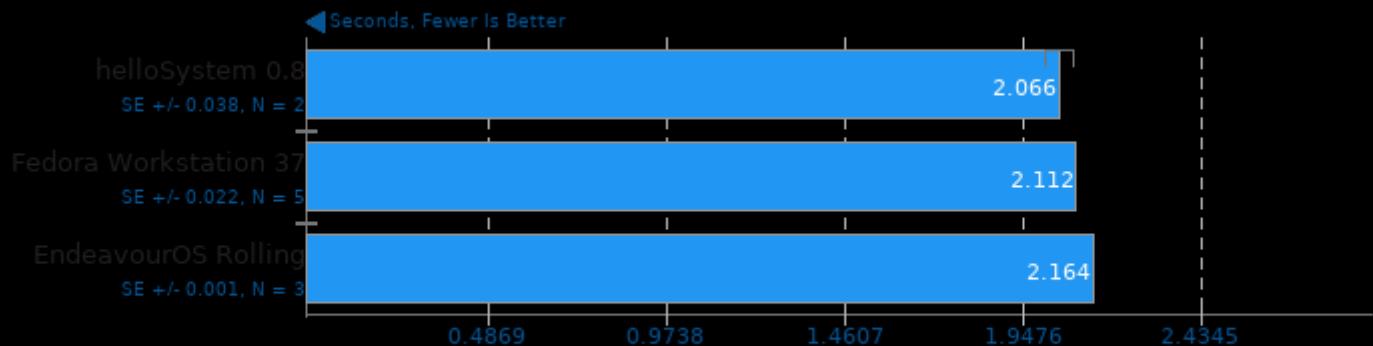
## Darktable 4.2.0

Test: Server Rack - Acceleration: CPU-only



## OpenSCAD

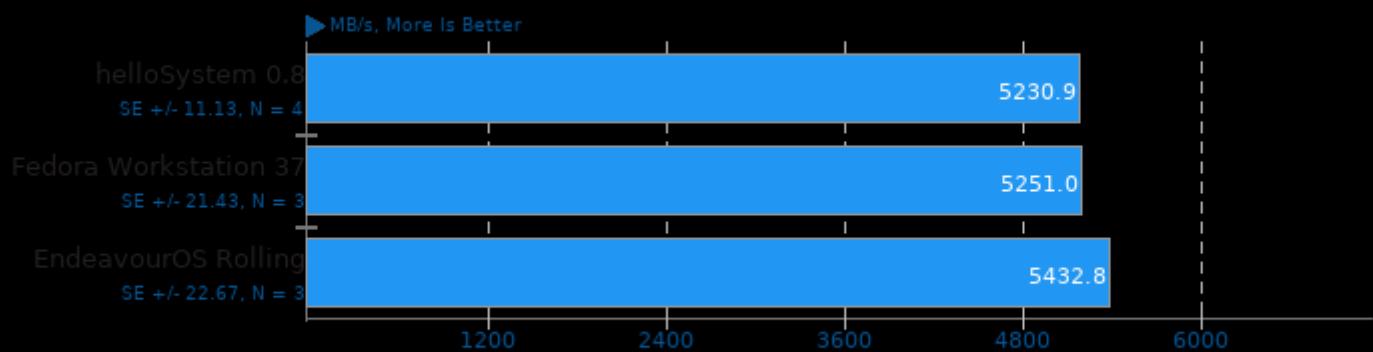
Render: Retro Car



1. helloSystem 0.8: OpenSCAD version 2023.01.17
2. Fedora Workstation 37: OpenSCAD version 2021.01
3. EndeavourOS Rolling: OpenSCAD version 2021.01

## Zstd Compression

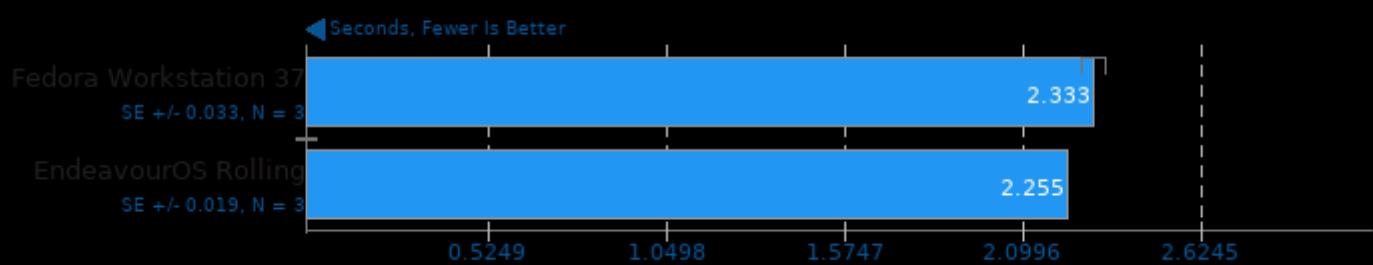
Compression Level: 19, Long Mode - Decompression Speed



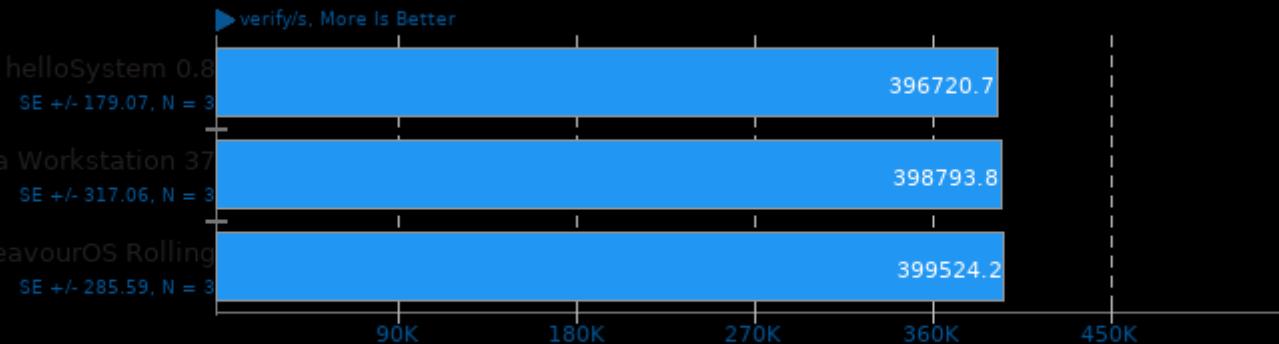
1. \*\*\* zstd command line interface 64-bits v1.5.2, by Yann Collet \*\*\*

## Darktable 4.2.0

Test: Boat - Acceleration: CPU-only

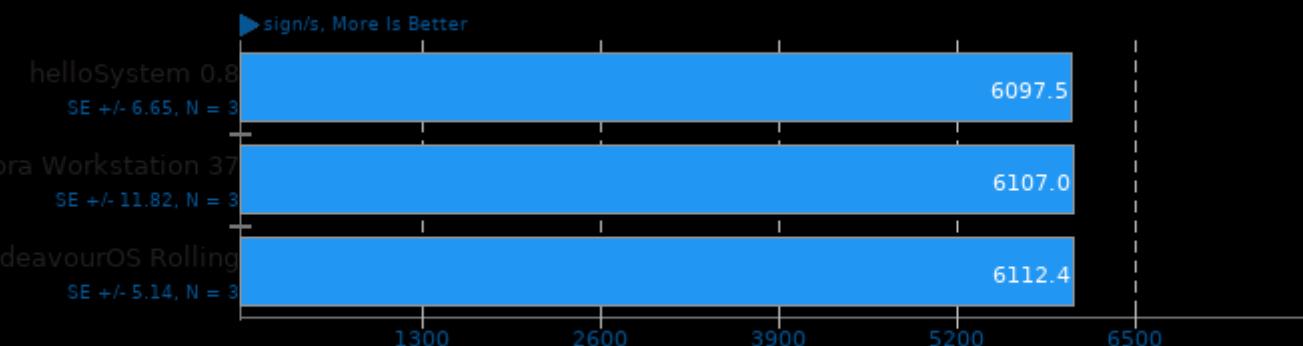


## OpenSSL



1. helloSystem 0.8: OpenSSL 1.1.1s 1 Nov 2022
2. Fedora Workstation 37: OpenSSL 3.0.5 5 Jul 2022 (Library: OpenSSL 3.0.5 5 Jul 2022)
3. EndeavourOS Rolling: OpenSSL 3.0.7 1 Nov 2022 (Library: OpenSSL 3.0.7 1 Nov 2022)

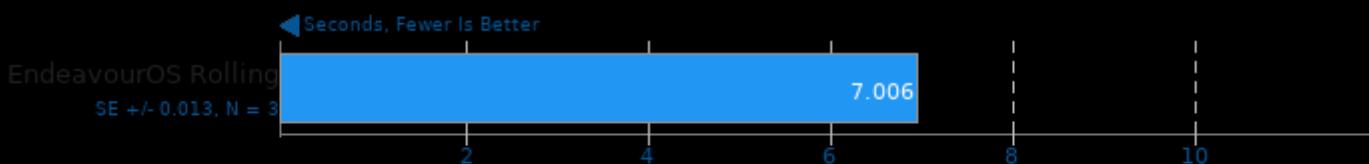
## OpenSSL



1. helloSystem 0.8: OpenSSL 1.1.1s 1 Nov 2022
2. Fedora Workstation 37: OpenSSL 3.0.5 5 Jul 2022 (Library: OpenSSL 3.0.5 5 Jul 2022)
3. EndeavourOS Rolling: OpenSSL 3.0.7 1 Nov 2022 (Library: OpenSSL 3.0.7 1 Nov 2022)

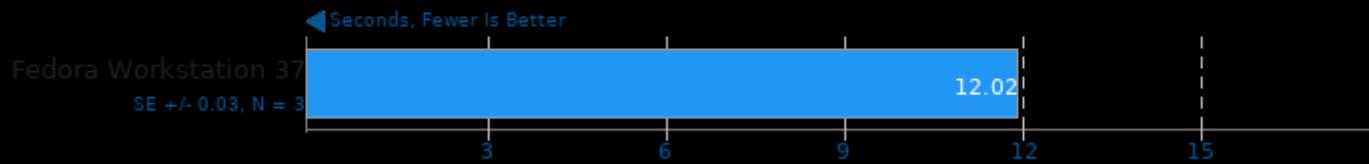
## SQLite 3.40.1

Timed SQLite Insertions



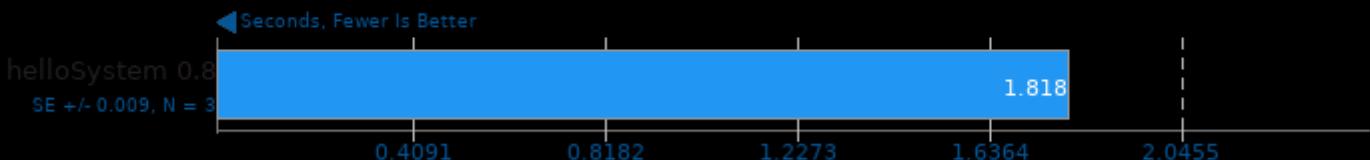
## SQLite 3.40.0

Timed SQLite Insertions



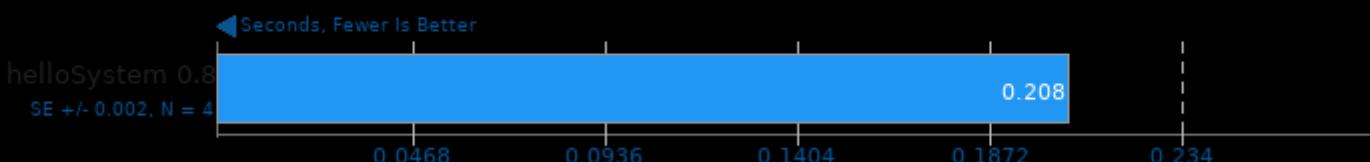
## Darktable 4.0.1

Test: Server Room - Acceleration: CPU-only



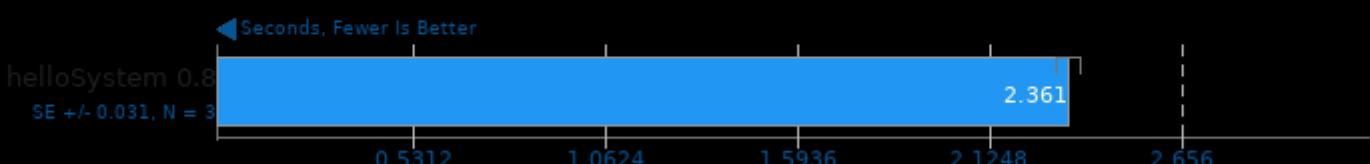
## Darktable 4.0.1

Test: Server Rack - Acceleration: CPU-only



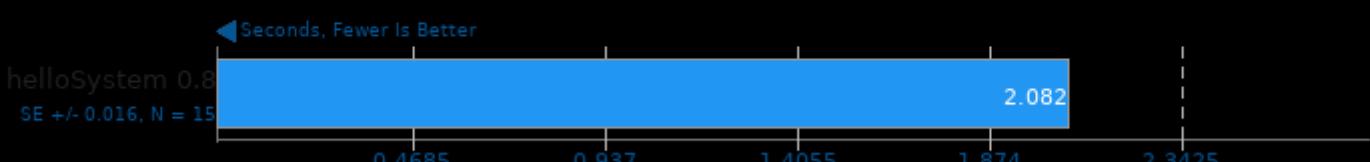
## Darktable 4.0.1

Test: Masskrug - Acceleration: CPU-only



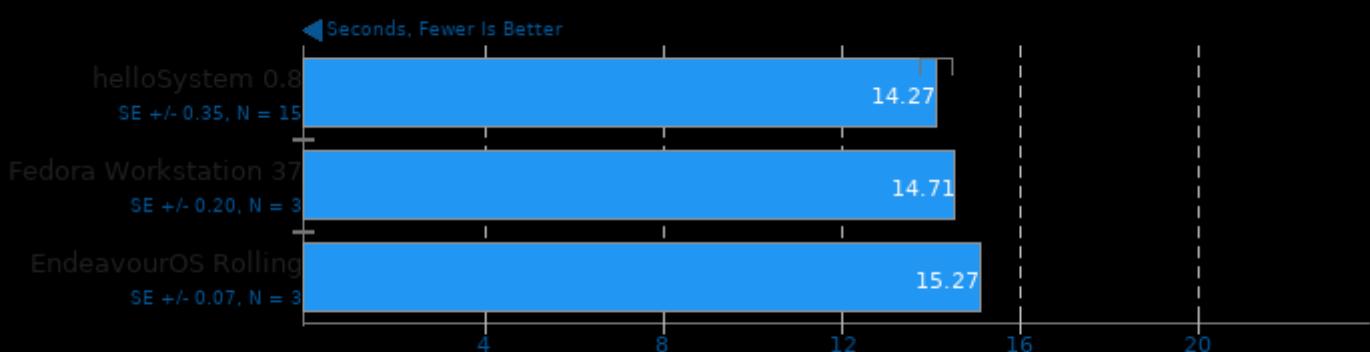
## Darktable 4.0.1

Test: Boat - Acceleration: CPU-only



## OpenSCAD

Render: Leonardo Phone Case Slim



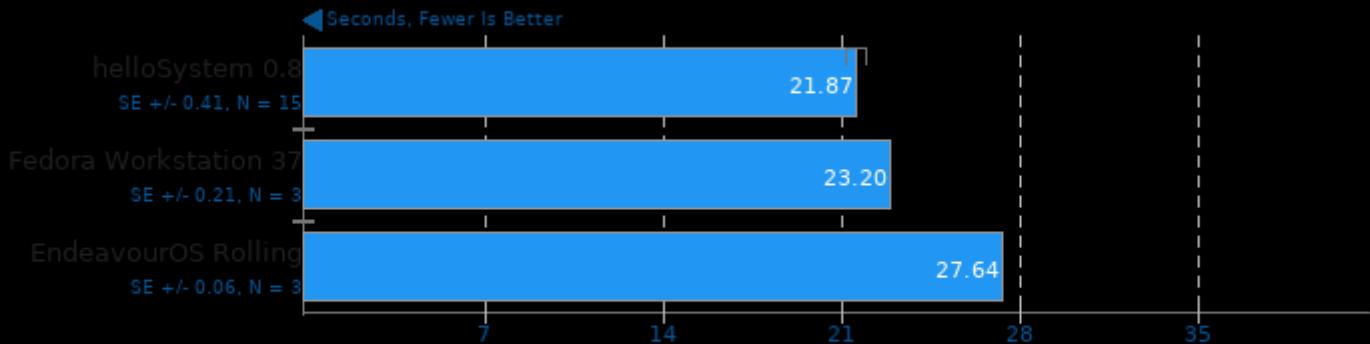
1. helloSystem 0.8: OpenSCAD version 2023.01.17

2. Fedora Workstation 37: OpenSCAD version 2021.01

3. EndeavourOS Rolling: OpenSCAD version 2021.01

## OpenSCAD

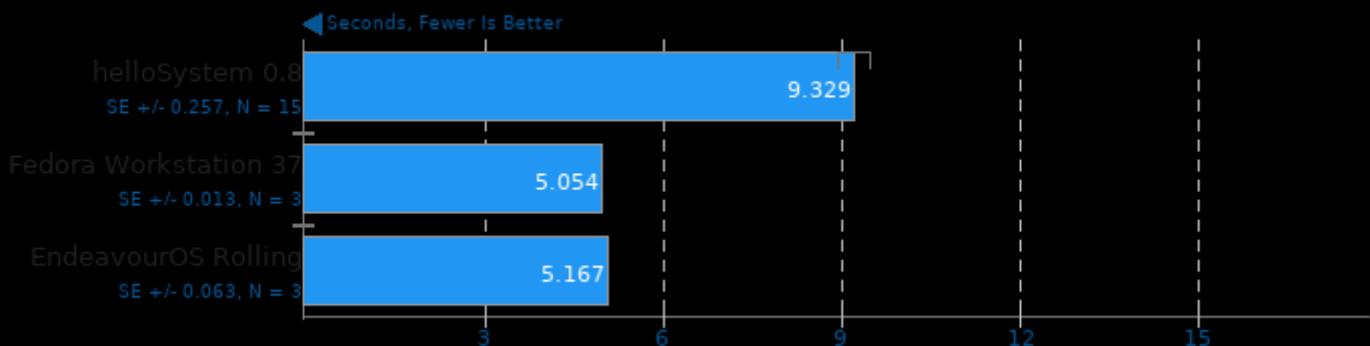
Render: Mini-ITX Case



1. helloSystem 0.8: OpenSCAD version 2023.01.17
2. Fedora Workstation 37: OpenSCAD version 2021.01
3. EndeavourOS Rolling: OpenSCAD version 2021.01

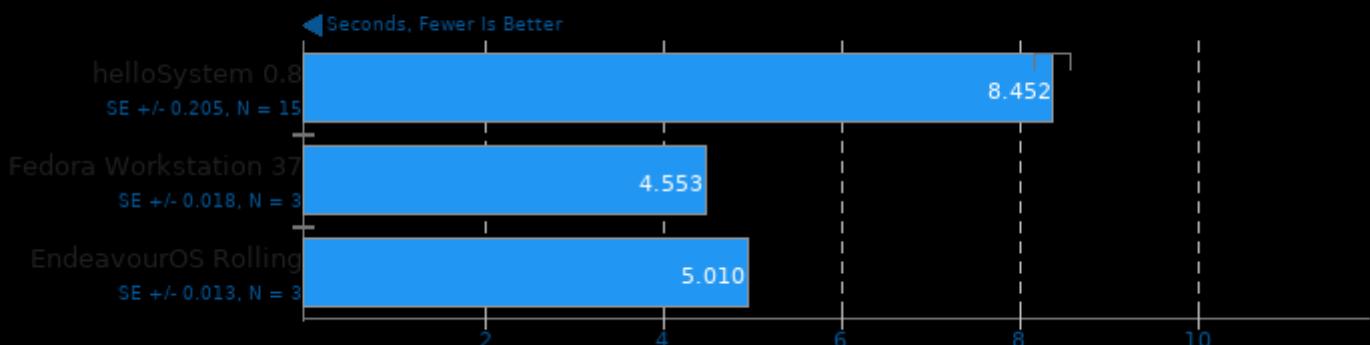
## GEGL

Operation: Scale



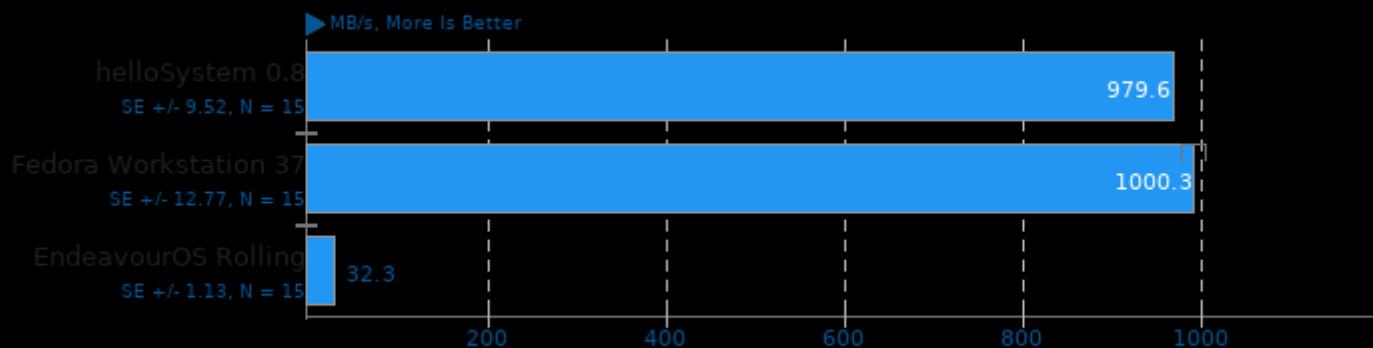
## GEGL

Operation: Crop



## Zstd Compression

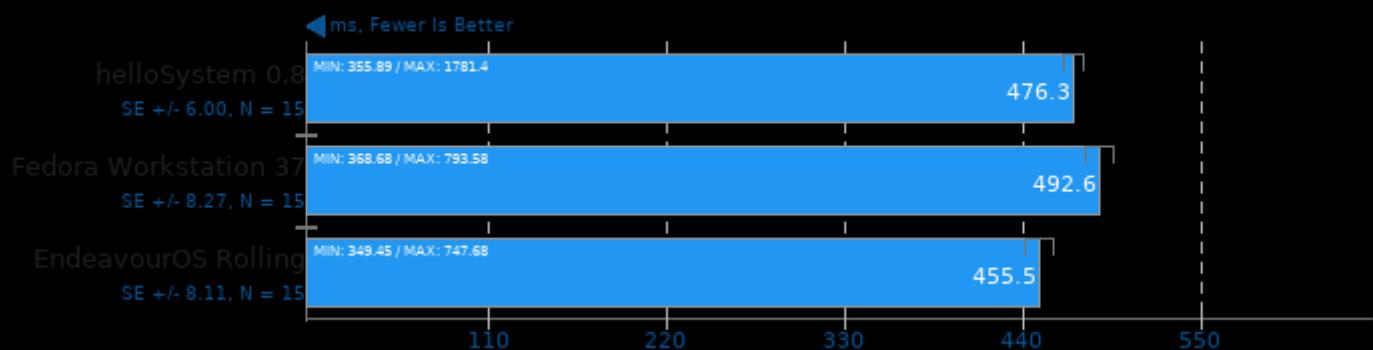
Compression Level: 8 - Compression Speed



1. \*\*\* zstd command line interface 64-bits v1.5.2, by Yann Collet \*\*\*

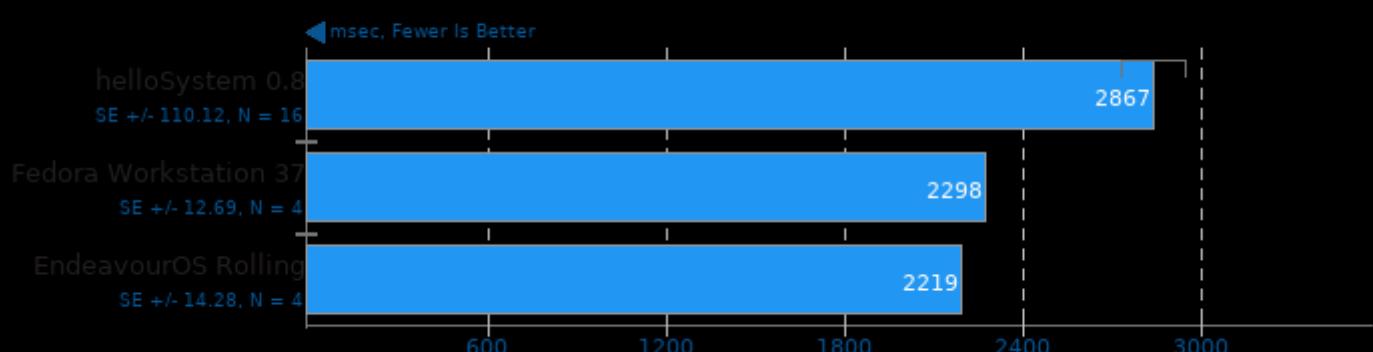
## Renaissance 0.14

Test: Scala Dotty



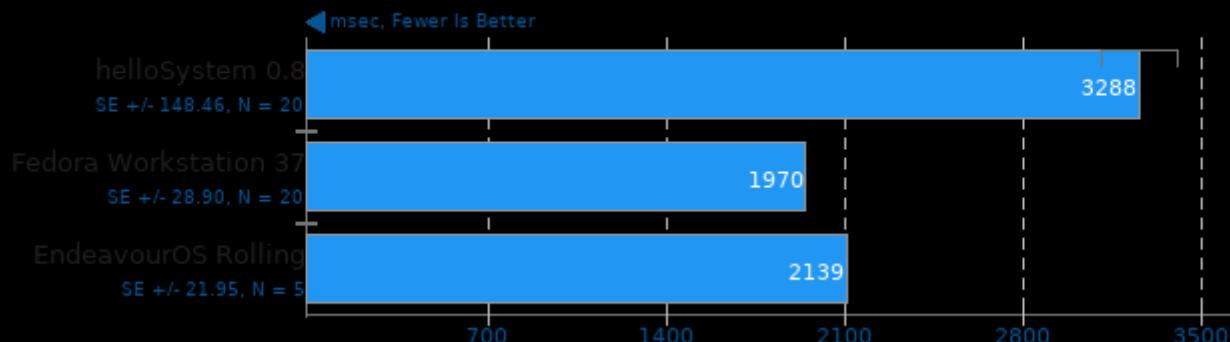
## DaCapo Benchmark 9.12-MR1

Java Test: Jython



## DaCapo Benchmark 9.12-MR1

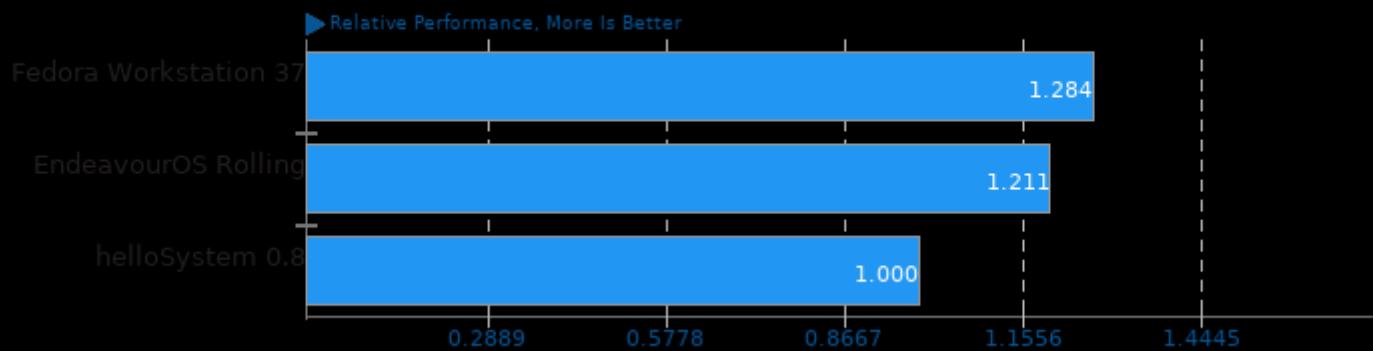
Java Test: H2



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

### Geometric Mean Of CPU Massive Tests

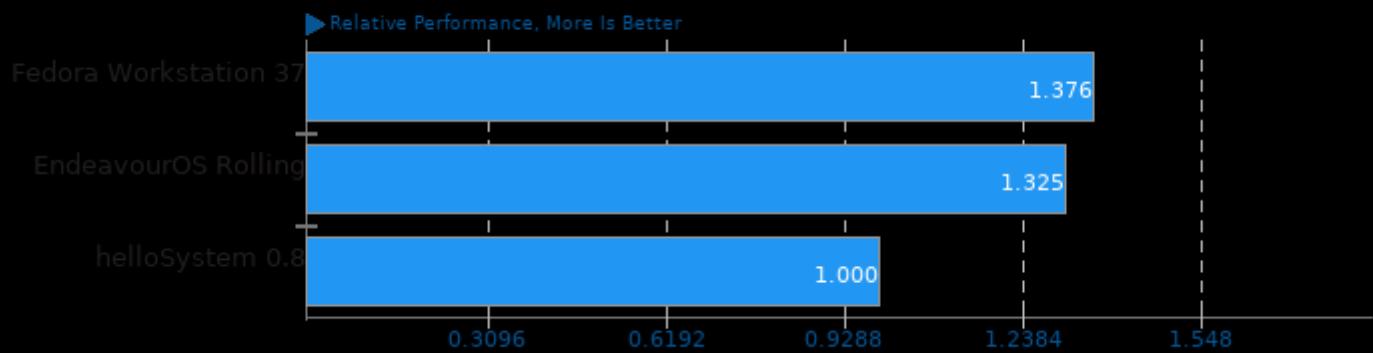
Result Composite - helloSystem 0.8



Geometric mean based upon tests: pts/dacapobench, pts/numpy, pts/phpbench, system/darktable and pts/renaissance

### Geometric Mean Of Creator Workloads Tests

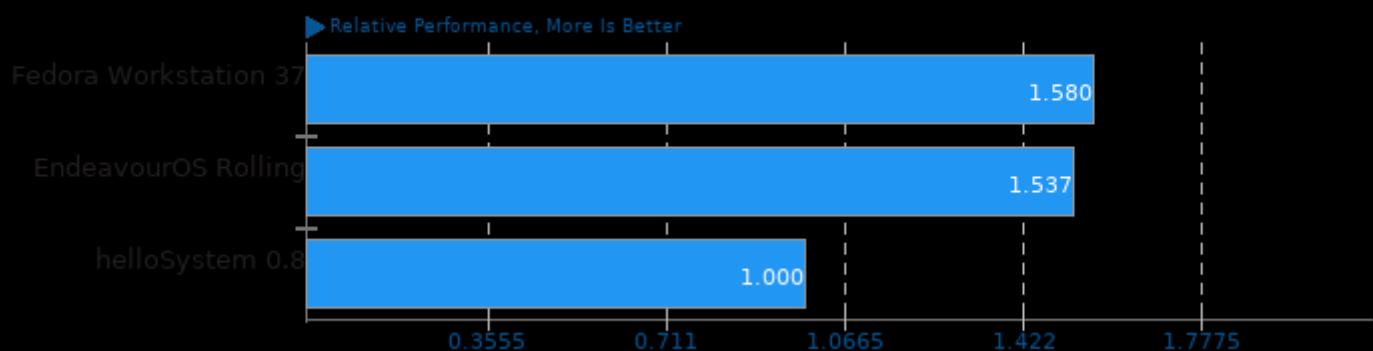
Result Composite - helloSystem 0.8



Geometric mean based upon tests: system/inkscape, system/rawtherapee, system/hugin, system/darktable, system/gegl and system/openscad

### Geometric Mean Of Imaging Tests

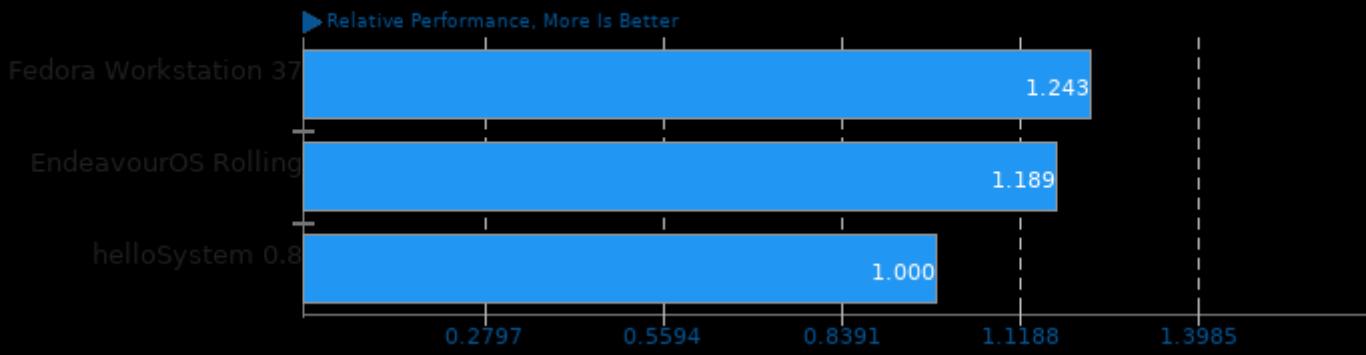
Result Composite - helloSystem 0.8



Geometric mean based upon tests: system/inkscape, system/rawtherapee, system/hugin, system/darktable and system/gegl

## Geometric Mean Of Java Tests

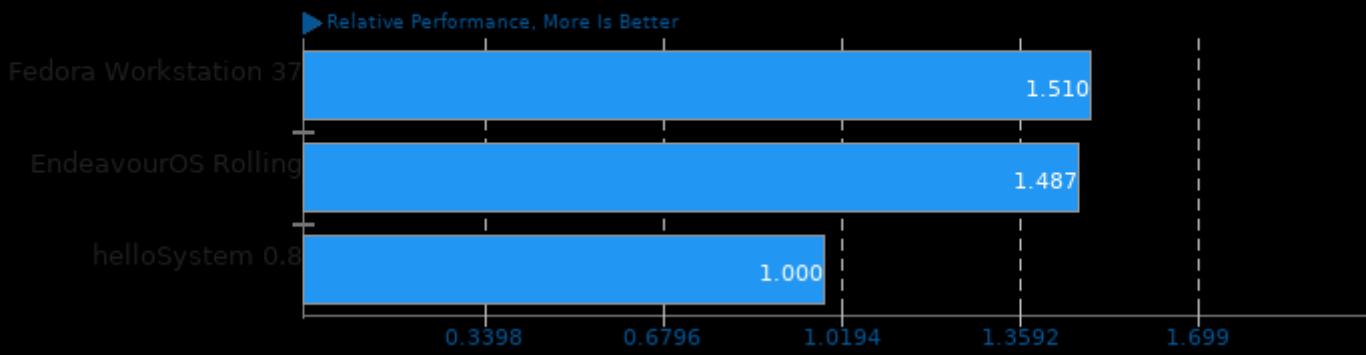
Result Composite - helloSystem 0.8



Geometric mean based upon tests: pts/dacapobench and pts/renaissance

## Geometric Mean Of Productivity Tests

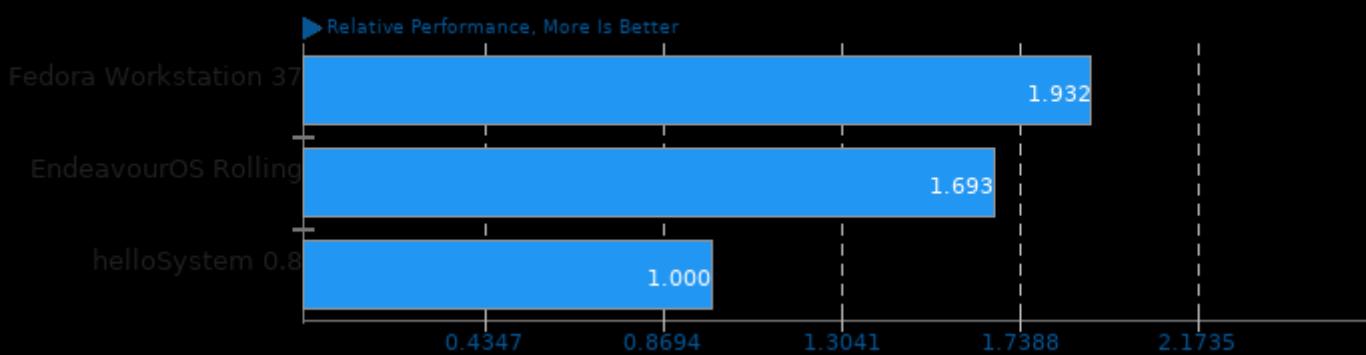
Result Composite - helloSystem 0.8



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

## Geometric Mean Of Programmer / Developer System Benchmarks Tests

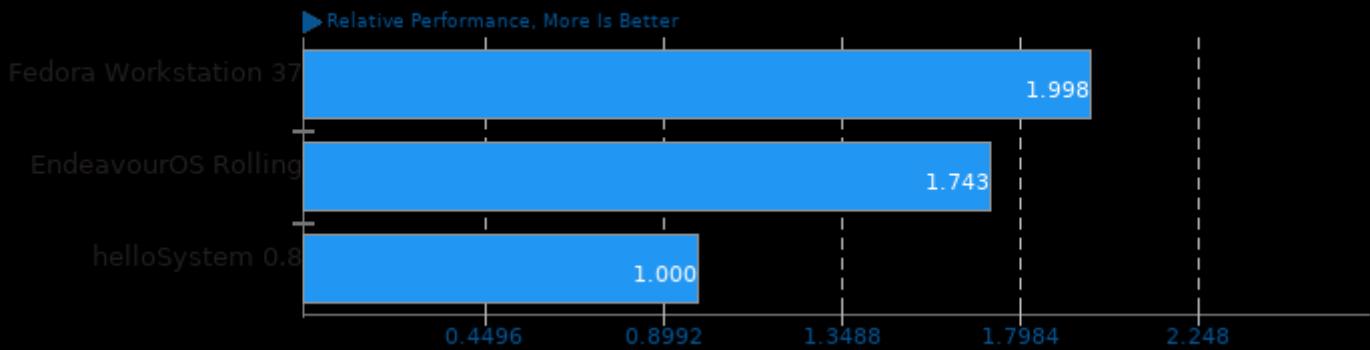
Result Composite - helloSystem 0.8



Geometric mean based upon tests: pts/node-web-tooling, pts/git, pts/pyperformance and pts/pybench

## Geometric Mean Of Python Tests

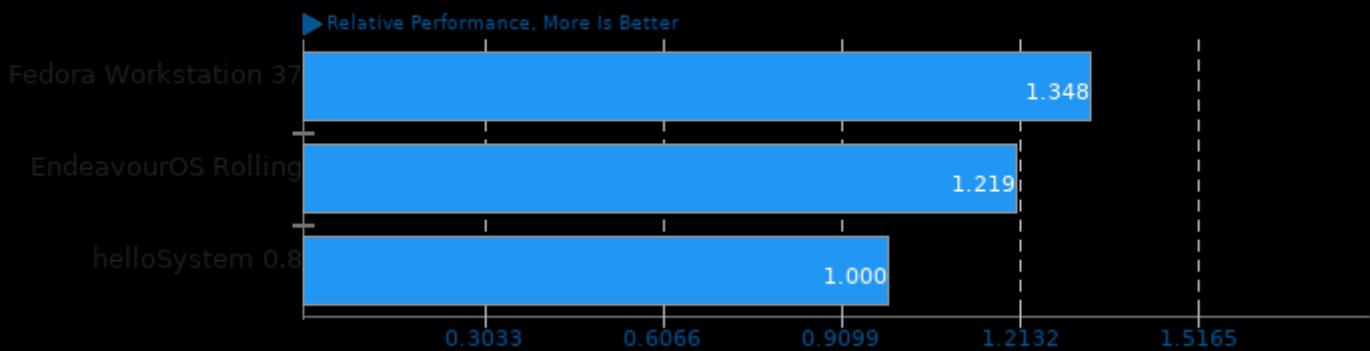
Result Composite - helloSystem 0.8



Geometric mean based upon tests: pts/pybench, pts/numpy and pts/pyperformance

## Geometric Mean Of Server Tests

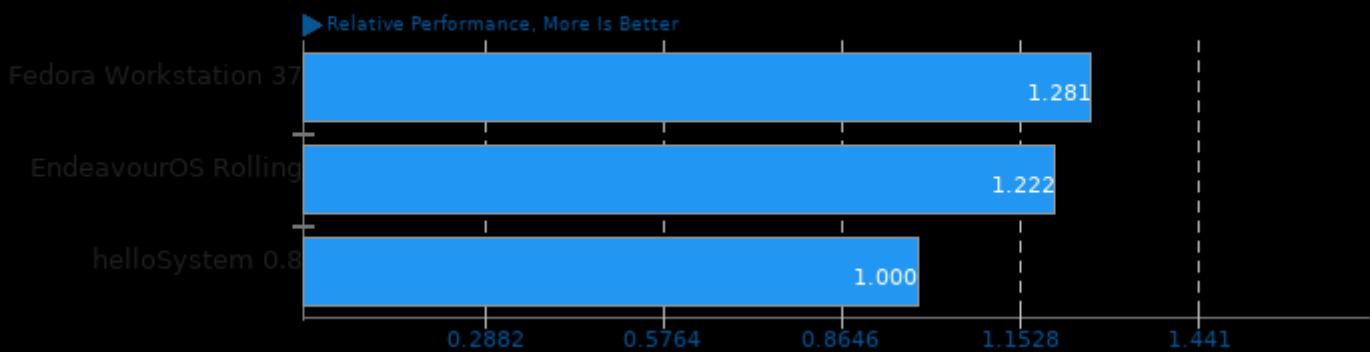
Result Composite - helloSystem 0.8



Geometric mean based upon tests: pts/phpbench and pts/node-web-tooling

## Geometric Mean Of Server CPU Tests

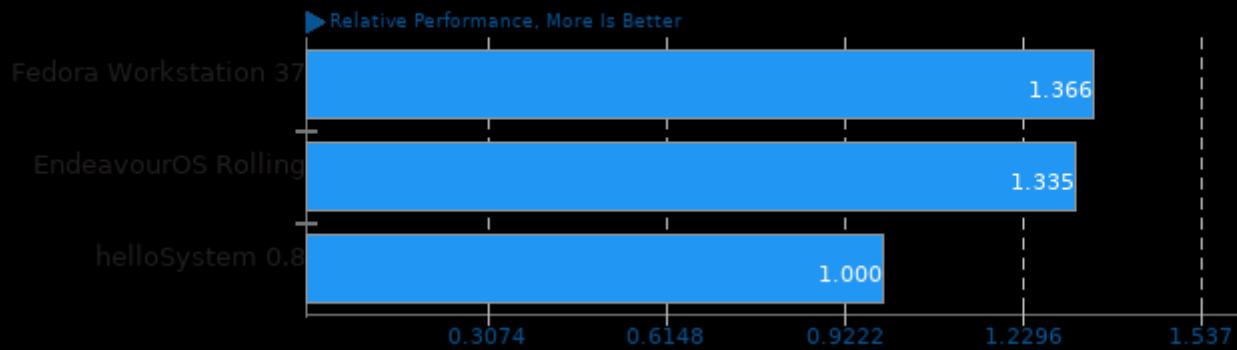
Result Composite - helloSystem 0.8



Geometric mean based upon tests: pts/dacapobench, pts/renaissance, pts/pybench, pts/numpy and pts/phpbench

**Geometric Mean Of Single-Threaded Tests**

Result Composite - helloSystem 0.8



Geometric mean based upon tests: pts/numpy, system/inkscape, pts/pybench, pts/phpbench and pts/git

*This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 07:14.*