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## whiskey unvanquished

Intel Core i7-8565U testing with a Dell 0KTW76 (1.11.0 BIOS) and Intel UHD 620 WHL GT2 3GB on Ubuntu 21.04 via the Phoronix Test Suite.

### Automated Executive Summary

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

*Based on the geometric mean of all complete results, the fastest (3) was 1.006x the speed of the slowest (2). 1 was 0.997x the speed of 3 and 2 was 0.997x the speed of 1.*

### Test Systems:

1

2

## 3

Processor: Intel Core i7-8565U @ 4.60GHz (4 Cores / 8 Threads), Motherboard: Dell 0KTW76 (1.11.0 BIOS), Chipset: Intel Cannon Point-LP, Memory: 16GB, Disk: SK hynix PC401 NVMe 256GB, Graphics: Intel UHD 620 WHL GT2 3GB (1150MHz), Audio: Realtek ALC3271, Network: Qualcomm Atheros QCA6174 802.11ac

OS: Ubuntu 21.04, Kernel: 5.11.0-18-generic (x86\_64), Desktop: GNOME Shell 3.38.4, Display Server: X Server + Wayland, OpenGL: 4.6 Mesa 21.0.1, Vulkan: 1.2.145, Compiler: GCC 10.3.0, File-System: ext4, Screen Resolution: 1920x1080

Kernel Notes: Transparent Huge Pages: madvise

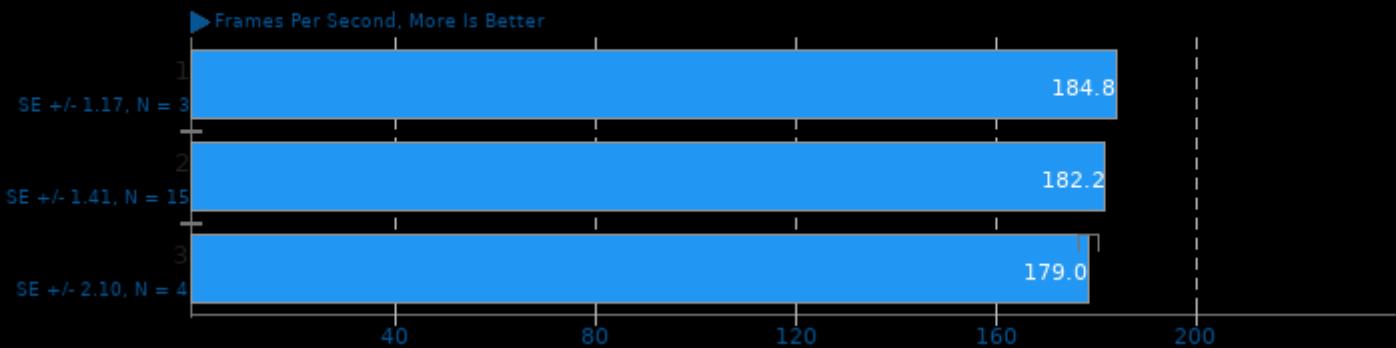
Processor Notes: Scaling Governor: intel\_pstate powersave - CPU Microcode: 0xde - ThermalD 2.4.3

Security Notes: itlb\_multihit: KVM: Mitigation of VMX disabled + I1tf: Not affected + mds: Mitigation of Clear buffers; SMT vulnerable + meltdown: Not affected + spec\_store\_bypass: Mitigation of SSB disabled via prctl and seccomp + spectre\_v1: Mitigation of usercopy/swapgs barriers and \_\_user pointer sanitization + spectre\_v2: Mitigation of Full generic retpoline IBPB: conditional IBRS\_FW STIBP: conditional RSB filling + srbd: Mitigation of Microcode + tsx\_async\_abort: Not affected

	1	2	3
<b>Unvanquished - 800 x 600 - High (FPS)</b>	<b>184.8</b>	182.2	<b>179.0</b>
Normalized	100%	98.59%	96.86%
Standard Deviation	1.1%	3%	2.3%
<b>Unvanquished - 1024 x 768 - High (FPS)</b>	<b>169.0</b>	171.9	<b>172.8</b>
Normalized	97.8%	99.48%	100%
Standard Deviation	2%	2.3%	0.4%
<b>Unvanquished - 800 x 600 - Ultra (FPS)</b>	115.2	<b>113.5</b>	<b>116.7</b>
Normalized	98.71%	97.26%	100%
Standard Deviation	0.9%	3.2%	3.8%
<b>Unvanquished - 1024 x 768 - Ultra (FPS)</b>	83.3	<b>81.9</b>	<b>85.1</b>
Normalized	97.88%	96.24%	100%
Standard Deviation	2.4%	0.9%	2.4%
<b>Unvanquished - 1280 x 1024 - High (FPS)</b>	<b>148.2</b>	<b>142.4</b>	145.6
Normalized	100%	96.09%	98.25%
Standard Deviation	0.8%	1.5%	2.9%
<b>Unvanquished - 1920 x 1080 - High (FPS)</b>	<b>97.7</b>	97.6	<b>95.9</b>
Normalized	100%	99.9%	98.16%
Standard Deviation	1.6%	2.3%	0.2%
<b>Unvanquished - 800 x 600 - Medium (FPS)</b>	<b>193.0</b>	193.2	<b>193.7</b>
Normalized	99.64%	99.74%	100%
Standard Deviation	0.6%	0.6%	1.2%
<b>Unvanquished - 1024 x 768 - Medium (FPS)</b>	<b>184.4</b>	183.8	<b>183.7</b>
Normalized	100%	99.67%	99.62%
Standard Deviation	1.4%	1.2%	1.4%
<b>Unvanquished - 1280 x 1024 - Ultra (FPS)</b>	62.0	62.0	62.0
Standard Deviation	0.8%	0.2%	0.7%
<b>Unvanquished - 1920 x 1080 - Ultra (FPS)</b>	<b>47.1</b>	<b>46.9</b>	47.0
Normalized	100%	99.58%	99.79%
Standard Deviation	0.6%	0.2%	0.4%
<b>Unvanquished - 1280 x 1024 - Medium (FPS)</b>	<b>168.5</b>	170.0	<b>170.7</b>
Normalized	98.71%	99.59%	100%
Standard Deviation	2.2%	1.9%	0.6%
<b>Unvanquished - 1920 x 1080 - Medium (FPS)</b>	<b>134.4</b>	138.1	<b>138.7</b>
Normalized	96.9%	99.57%	100%
Standard Deviation	2.5%	3%	2.5%

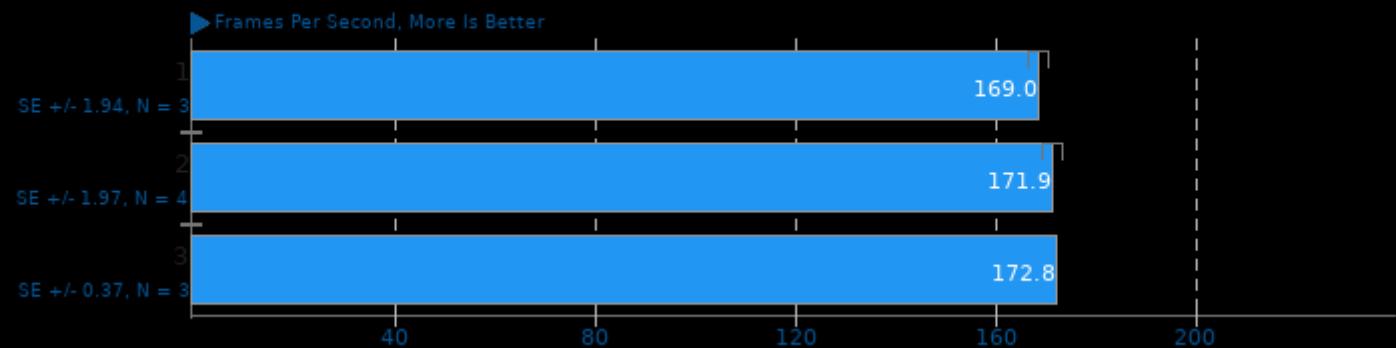
## Unvanquished 0.52.1

Resolution: 800 x 600 - Effects Quality: High



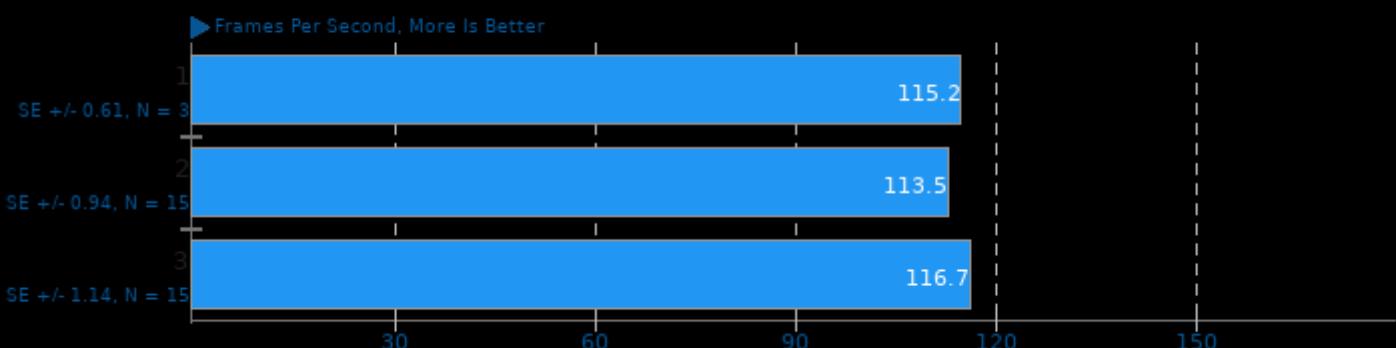
## Unvanquished 0.52.1

Resolution: 1024 x 768 - Effects Quality: High



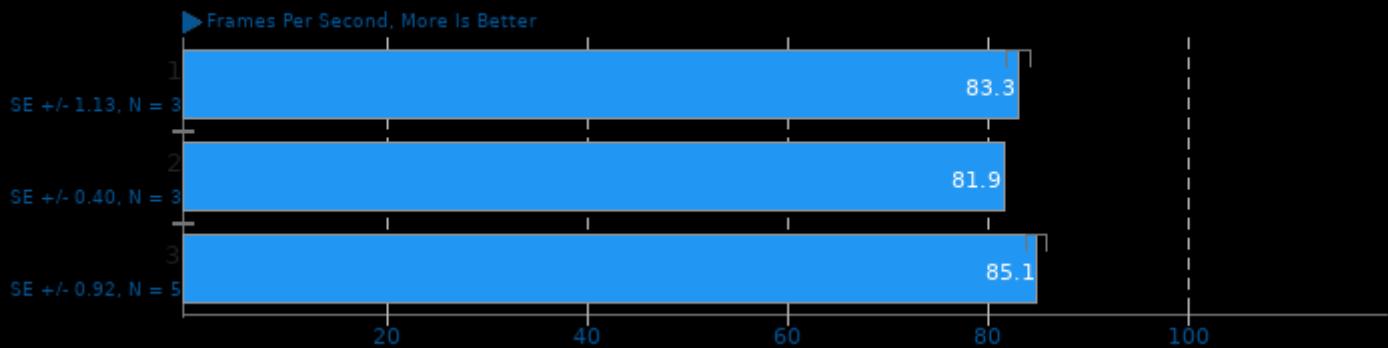
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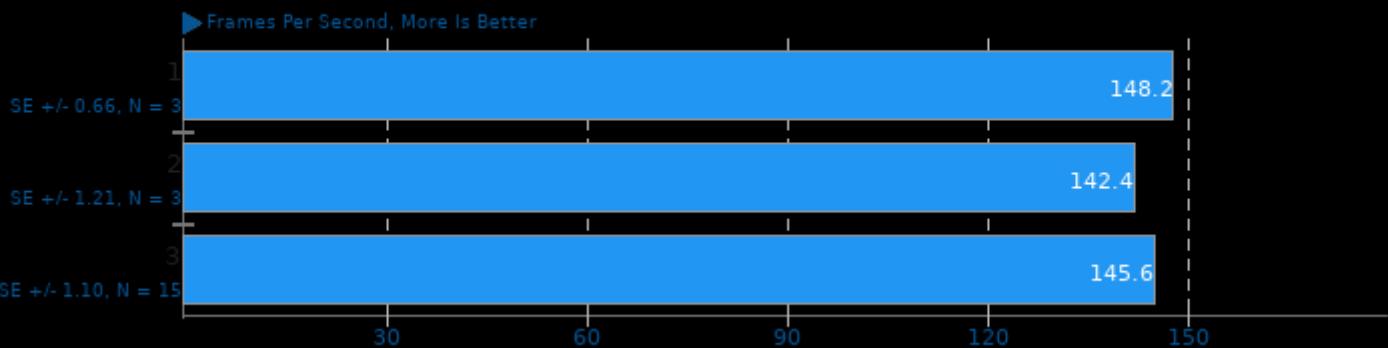
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Resolution: 1024 x 768 - Effects Quality: Ultra



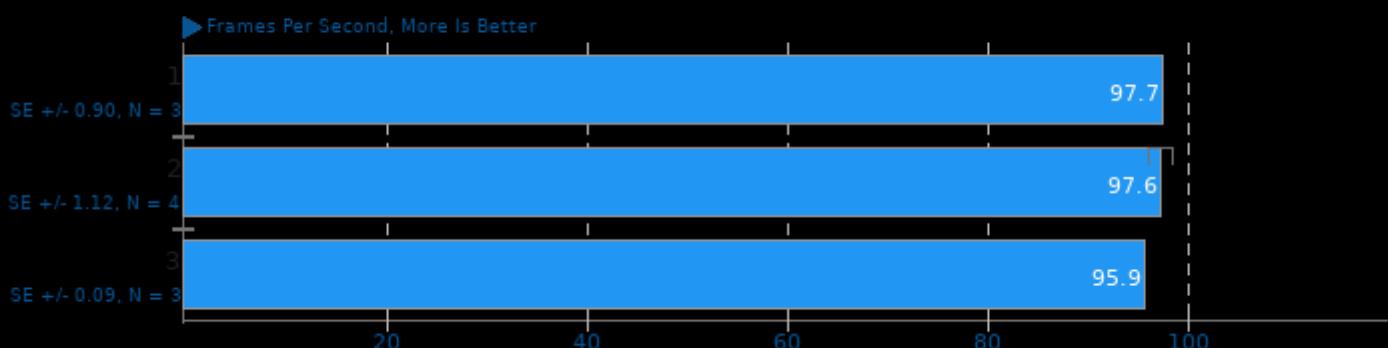
## Unvanquished 0.52.1

Resolution: 1280 x 1024 - Effects Quality: High



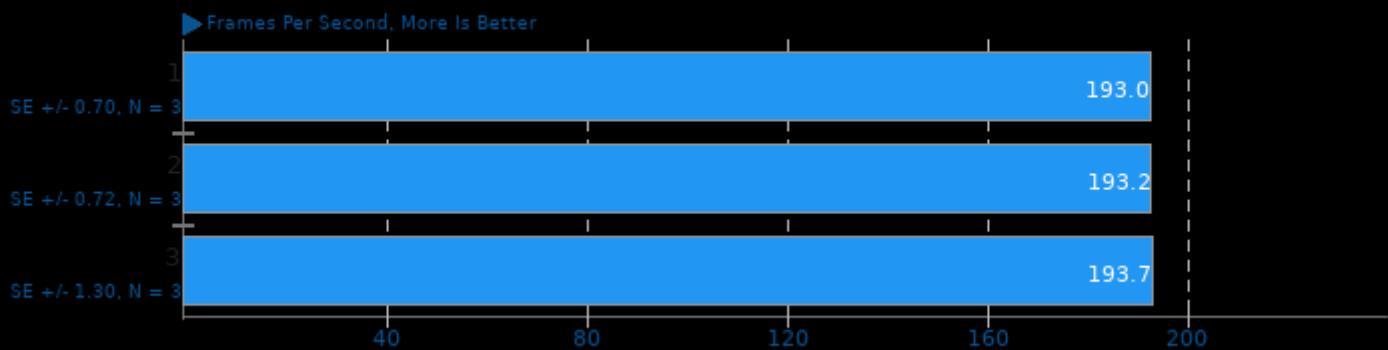
## Unvanquished 0.52.1

Resolution: 1920 x 1080 - Effects Quality: High



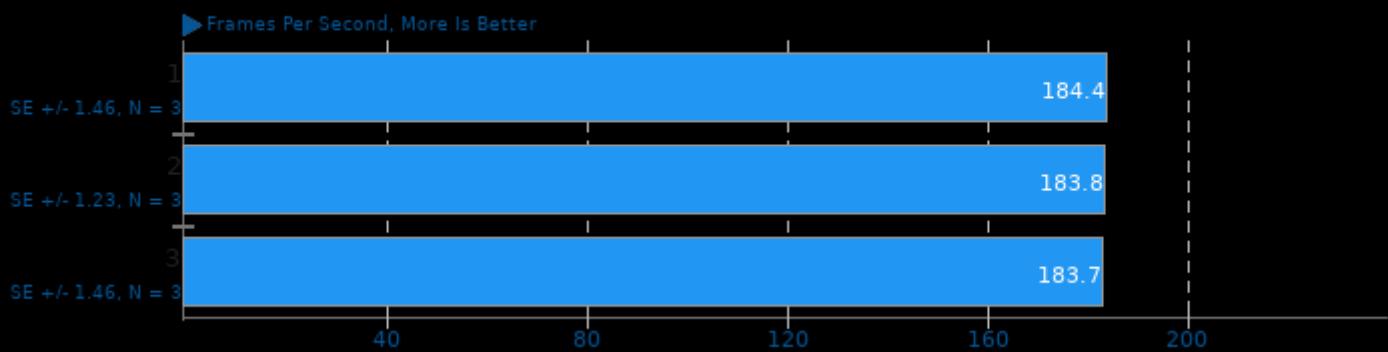
## Unvanquished 0.52.1

Resolution: 800 x 600 - Effects Quality: Medium



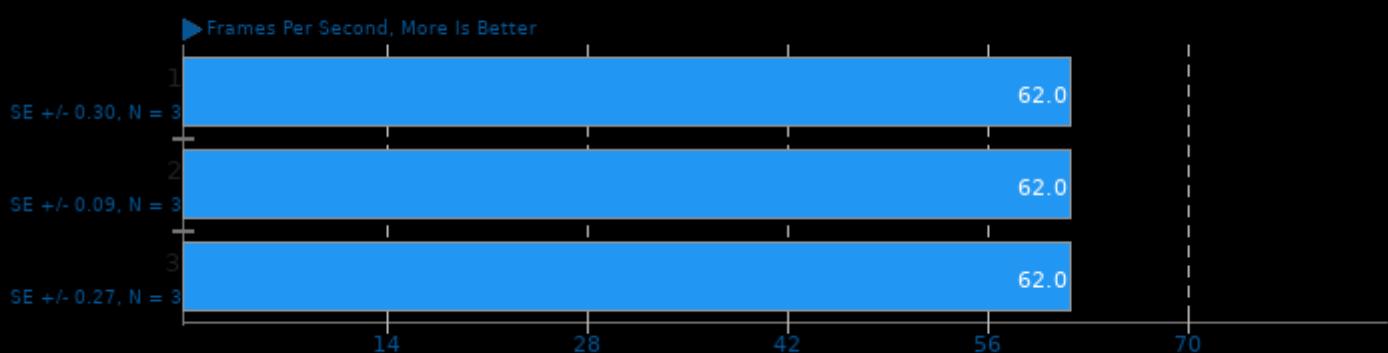
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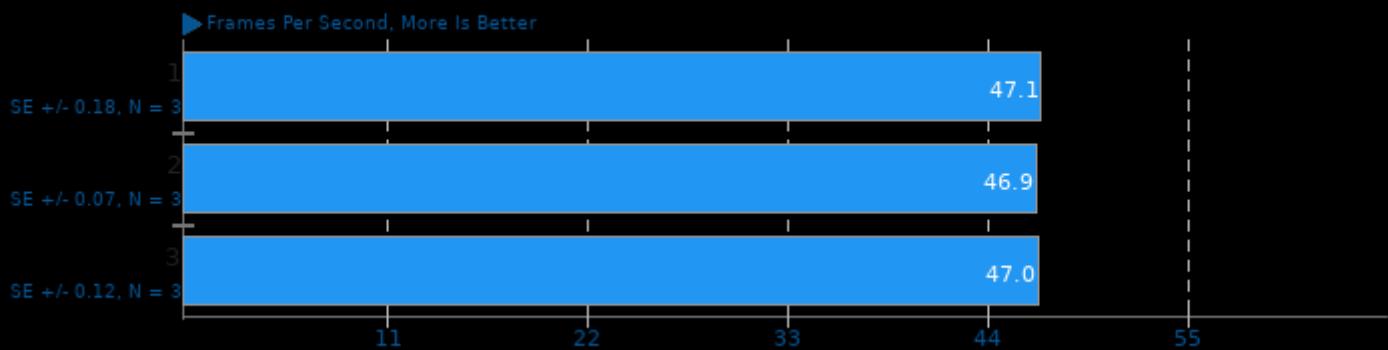
## Unvanquished 0.52.1

Resolution: 1280 x 1024 - Effects Quality: Ultra



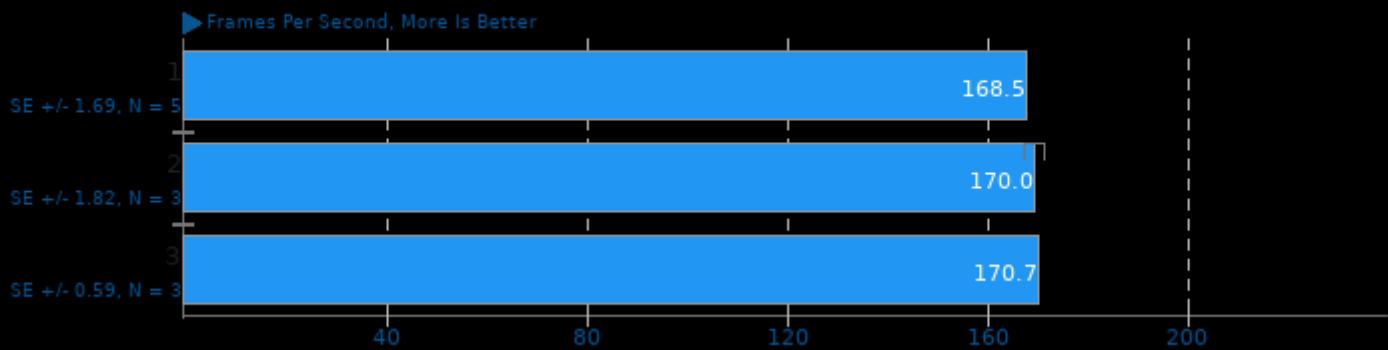
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Resolution: 1920 x 1080 - Effects Quality: Ultra



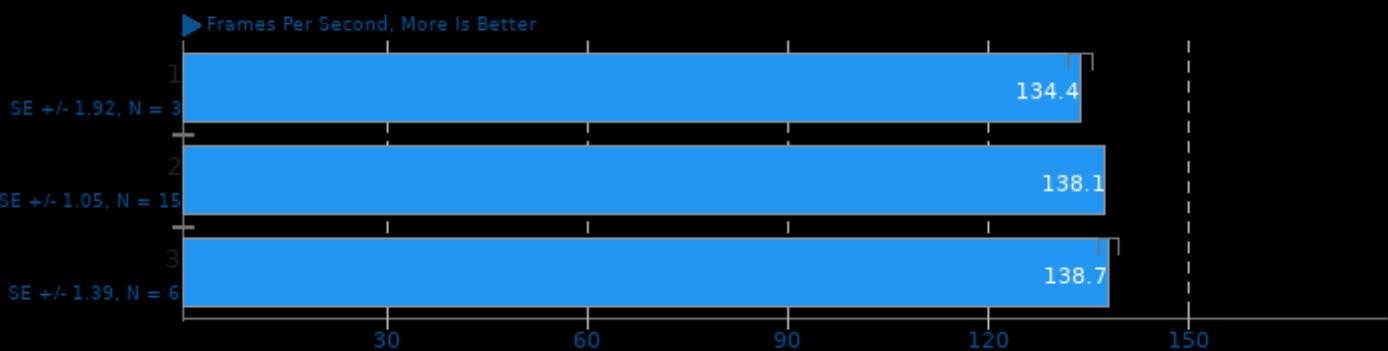
## Unvanquished 0.52.1

Resolution: 1280 x 1024 - Effects Quality: Medium



## Unvanquished 0.52.1

Resolution: 1920 x 1080 - Effects Quality: Medium



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