

www.phoronix-test-suite.com

Radeon RX 480 1080p Linux Benchmarks

Tests by Michael Larabel.

Automated Executive Summary

Radeon RX 480 had the most wins, coming in first place for 63% of the tests.

Based on the geometric mean of all complete results, the fastest (Radeon RX 480) was 1.119x the speed of the slowest (Geforce GTX 960).

Test Systems:

Radeon RX 480

Processor: Intel Xeon E3-1280 v5 @ 4.00GHz (8 Cores), Motherboard: MSI C236A WORKSTATION (MS-7998) v1.0, Chipset: Intel Sky Lake, Memory: 16384MB, Disk: Samsung SSD 950 PRO 256GB, Graphics: AMD Radeon RX 480 8192MB, Audio: Realtek ALC1150, Monitor: Acer B286HK, Network: Intel Connection

Radeon RX 480 1080p Linux Benchmarks

OS: Ubuntu 16.04, Kernel: 4.7.0-rc2-polaris-test (x86_64) 20160625, Desktop: Unity 7.4.0, Display Server: X Server 1.18.3, Display Driver: amdgpu 1.1.99, OpenGL: 4.3 Mesa 12.1.0-devel- padoka PPA (git-6b0ac95) Gallium 0.4, Compiler: GCC 5.3.1 20160413, File-System: ext4, Screen Resolution: 1920x1080

Processor Notes: Scaling Governor: intel_pstate performance
Graphics Notes: GLAMOR

Geforce GTX 960

Processor: Intel Core i7-4790K @ 4.40GHz (8 Cores), Motherboard: ASUS Z97-A-USB31, Chipset: Intel 4th Gen Core DRAM, Memory: 8192MB, Disk: 74GB Western Digital WD740ADFS-00 + 500GB Western Digital WD5000AAKS-0 + 1000GB Western Digital WD1003FZEX-0, Graphics: eVGA NVIDIA GeForce GTX 960 4096MB (135/405MHz), Audio: Intel 9 Family HD Audio, Network: Intel Connection

OS: Fedora 25, Kernel: 4.8.16-300.fc25.x86_64 (x86_64), Desktop: GNOME Shell 3.22.2, Display Driver: NVIDIA 375.26, OpenGL: 4.5.0, Vulkan: 1.0.24, Compiler: GCC 6.3.1 20161221, File-System: ext4, Screen Resolution: 1920x1080

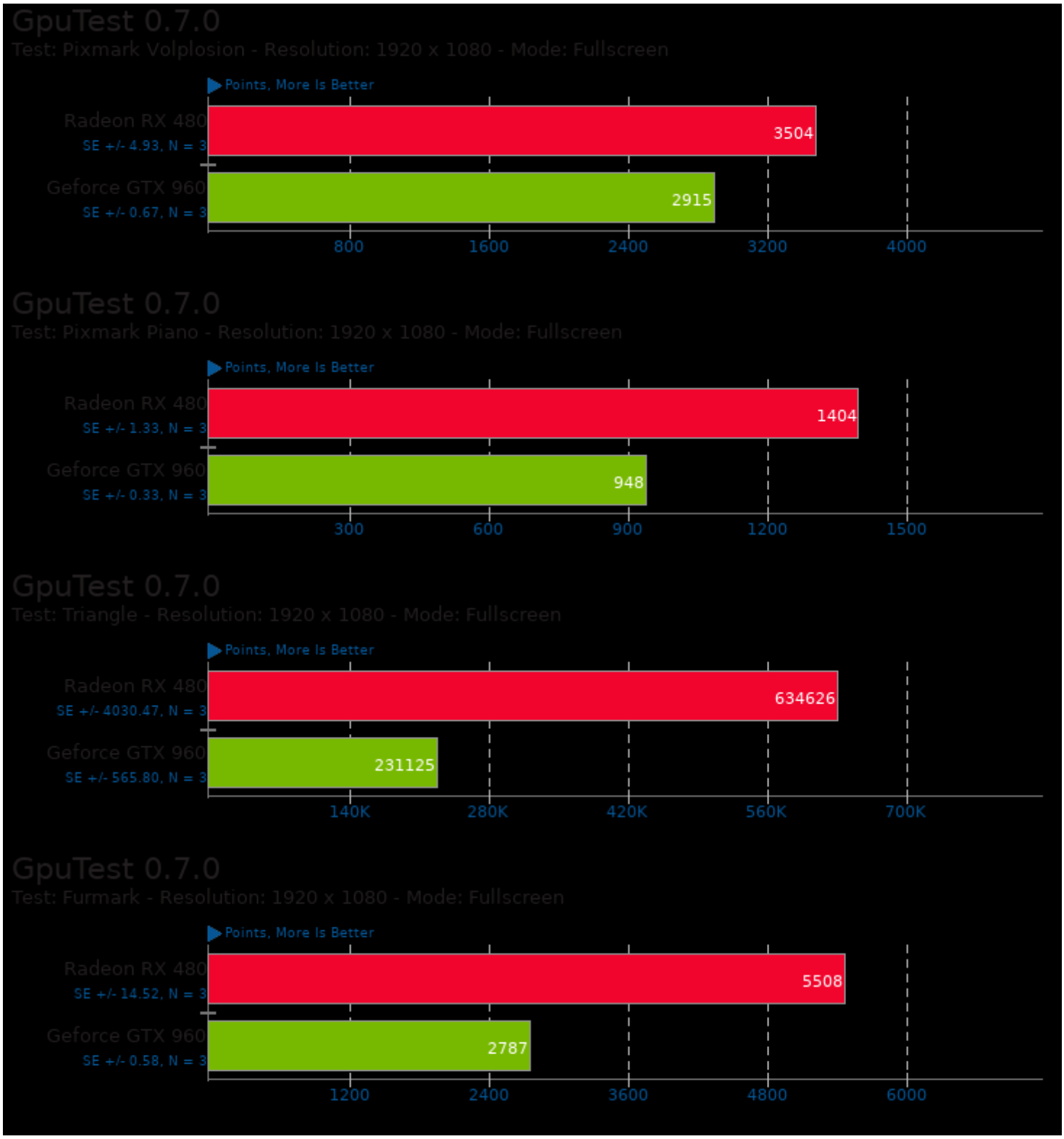
Processor Notes: Scaling Governor: intel_pstate powersave
System Notes: SELinux: Enabled.

	Radeon RX 480	Geforce GTX 960
GpuTest - Pixmark Volplosion - 1920 x 1080 - Fullscreen (Points)	**3504**	**2915**
Normalized	100%	83.19%
Standard Deviation	0.2%	0%
GpuTest - Pixmark Piano - 1920 x 1080 - Fullscreen (Points)	**1404**	**948**
Normalized	100%	67.52%
Standard Deviation	0.2%	0.1%
GpuTest - Triangle - 1920 x 1080 - Fullscreen (Points)	**634626**	**231125**
Normalized	100%	36.42%
Standard Deviation	1.1%	0.4%
GpuTest - Furmark - 1920 x 1080 - Fullscreen (Points)	**5508**	**2787**
Normalized	100%	50.6%
Standard Deviation	0.5%	0%
GpuTest - Plot3D - 1920 x 1080 - Fullscreen (Points)	**93568**	**70958**
Normalized	100%	75.84%
Standard Deviation	0%	0.4%
Xonotic - 1920 x 1080 - Ultimate (FPS)	**165.05**	**225.43**
Normalized	73.22%	100%
Standard Deviation	1.2%	0.4%
Unigine Valley - 1920 x 1080 - Fullscreen (FPS)	**65.17**	**59.80**
Normalized	100%	91.76%
Standard Deviation	0.2%	0.2%
Unigine Heaven - 1920 x 1080 - Fullscreen (FPS)	**64.64**	**52.72**
Normalized	100%	81.56%
Standard Deviation	0%	0.2%
Tesseract - 1920 x 1080 (FPS)	**246.29**	**314.65**
Normalized	78.27%	100%

Radeon RX 480 1080p Linux Benchmarks

Standard Deviation	3.4%	0.7%
Metro: Last Light Redux - P.T.S.v.4.0 (FPS)	91.55	
Standard Deviation	0.1%	
Metro 2033 Redux - P.T.S.v.4.0 (FPS)	79.03	
Standard Deviation	2.4%	
Insurgency - 1920 x 1080 (FPS)	**151.04**	**312.18**
Normalized	48.38%	100%
Standard Deviation	0.4%	2.6%
Dota 2 - 1920 x 1080 - OpenGL (FPS)	**88.07**	**120.57**
Normalized	73.04%	100%
Standard Deviation	0.6%	0.5%

Radeon RX 480 1080p Linux Benchmarks



Radeon RX 480 1080p Linux Benchmarks

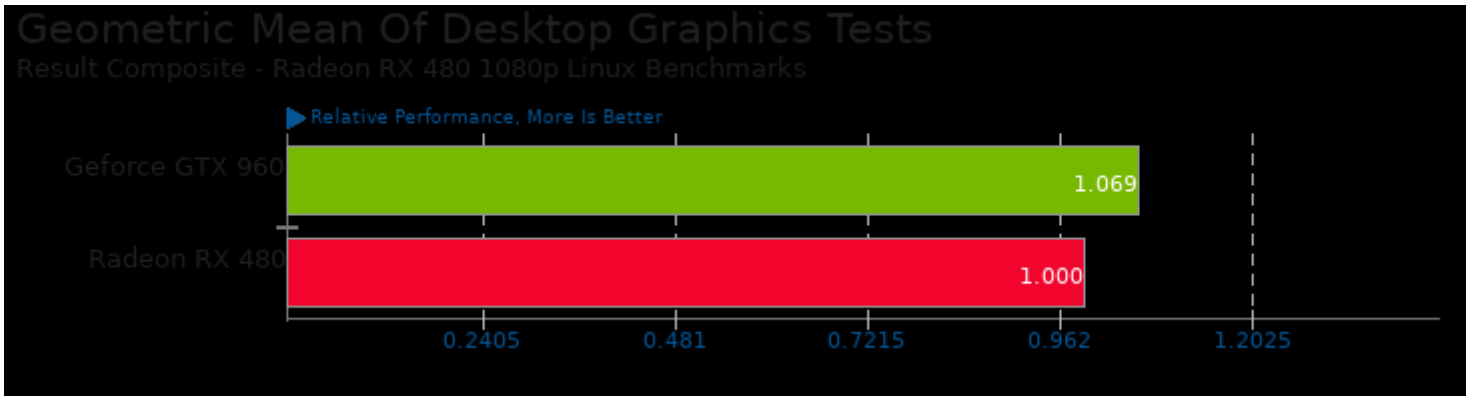


Radeon RX 480 1080p Linux Benchmarks

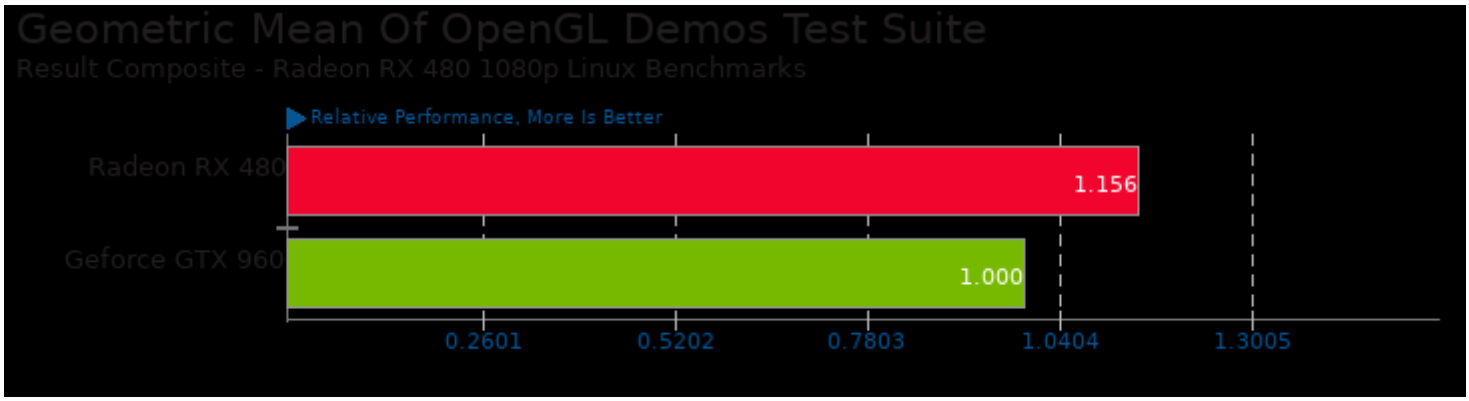


Radeon RX 480 1080p Linux Benchmarks

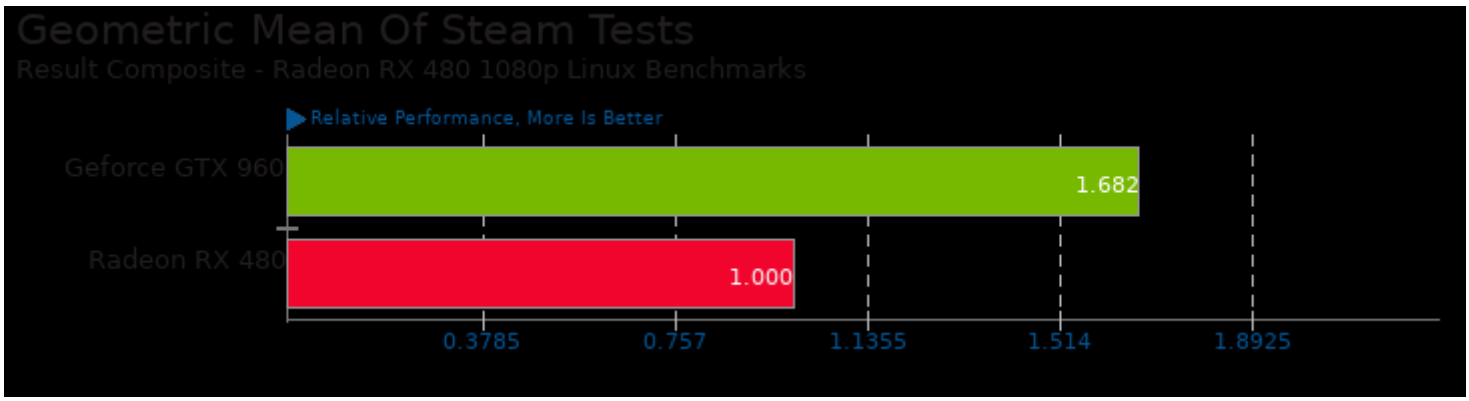
These geometric means are based upon test groupings / test suites for this result file.



Geometric mean based upon tests: pts/xonotic, pts/tesseract, pts/unigine-valley and pts/unigine-heaven

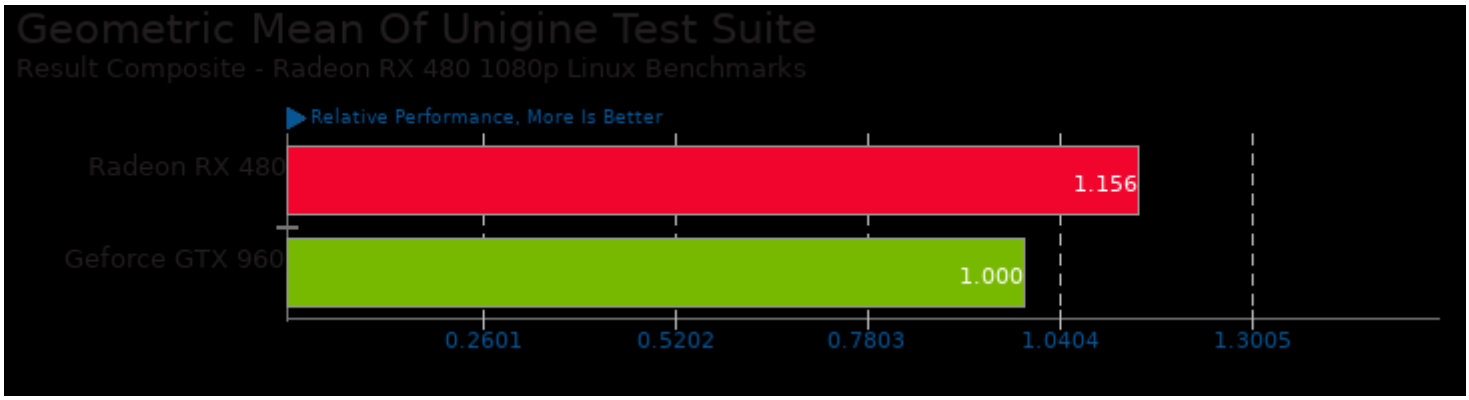


Geometric mean based upon tests: pts/unigine-valley and pts/unigine-heaven



Geometric mean based upon tests: pts/dota2, pts/insurgency, pts/metro2033-redux and pts/metroll-redux

Radeon RX 480 1080p Linux Benchmarks



Geometric mean based upon tests: pts/unigine-valley and pts/unigine-heaven

This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 20:08.