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R600 LLVM

Intel Core i5-2500K testing with a SAPPHIRE Pure Black P67 Hydra and AMD Radeon HD 4890 1024MB on Ubuntu 12.04 via the Phoronix Test Suite.

Automated Executive Summary

R600_LLVM=0 had the most wins, coming in first place for 66% of the tests.

Based on the geometric mean of all complete results, the fastest (R600_LLVM=0) was 1.004x the speed of the slowest (R600_LLVM=1).

Test Systems:

R600_LLVM=0

R600_LLVM=1

Processor: Intel Core i5-2500K @ 3.30GHz (4 Cores), Motherboard: SAPPHIRE Pure Black P67 Hydra, Chipset: Intel

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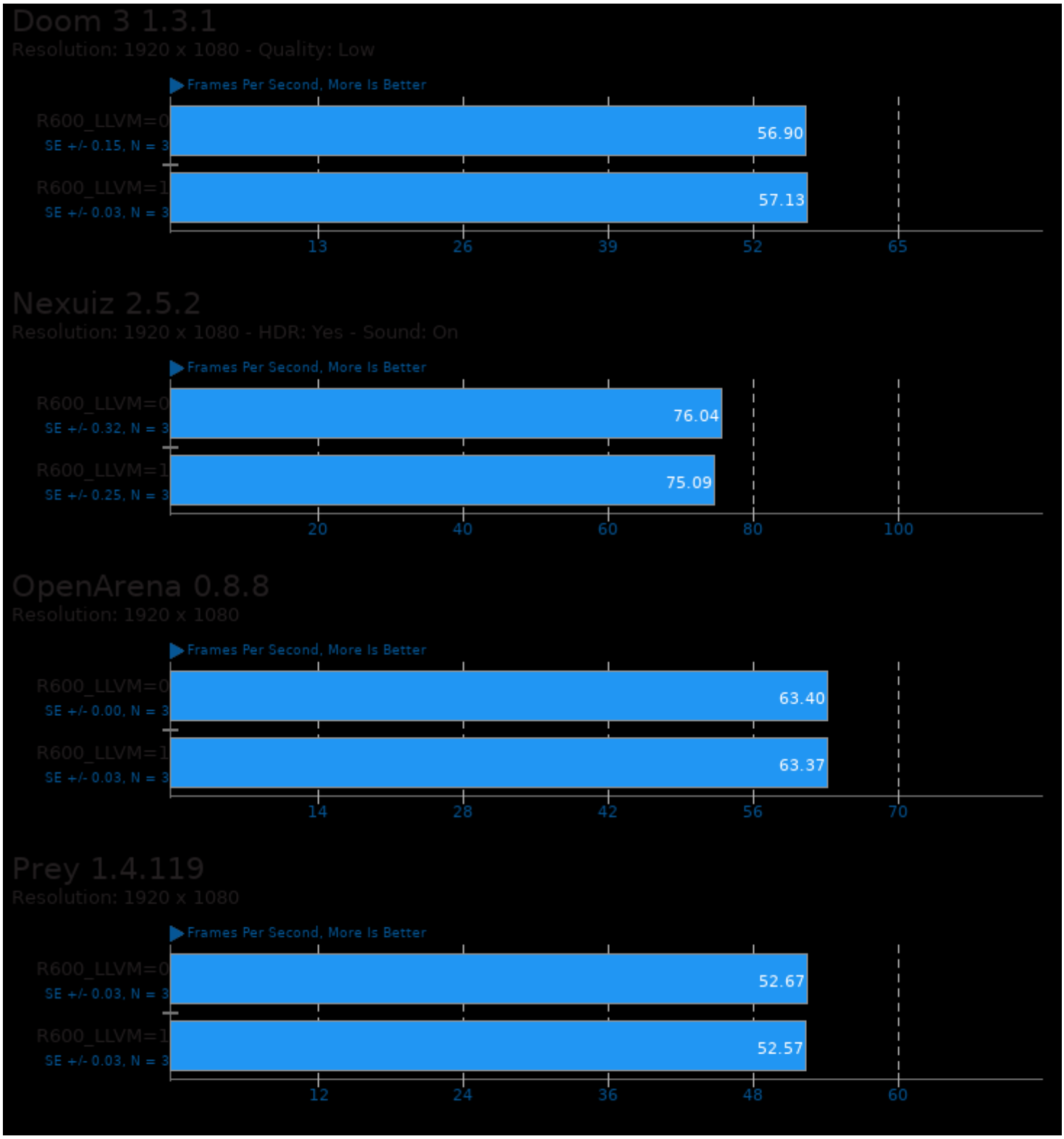
2nd Generation Core Family DRAM, Memory: 3072MB, Disk: 64GB OCZ VERTEX, Graphics: AMD Radeon HD 4890 1024MB, Audio: Realtek ALC892, Monitor: DELL S2409W, Network: Marvell 88E8057 PCI-E Gigabit

OS: Ubuntu 12.04, Kernel: 3.5.0-999-generic (x86_64), Desktop: Unity 2D 5.12.0, Display Server: X Server 1.11.3, Display Driver: radeon 6.14.99, OpenGL: 2.1 Mesa 8.1-devel (git-306c9f0) Gallium 0.4, Compiler: GCC 4.6 + LLVM 3.1, File-System: ext4, Screen Resolution: 1920x1080

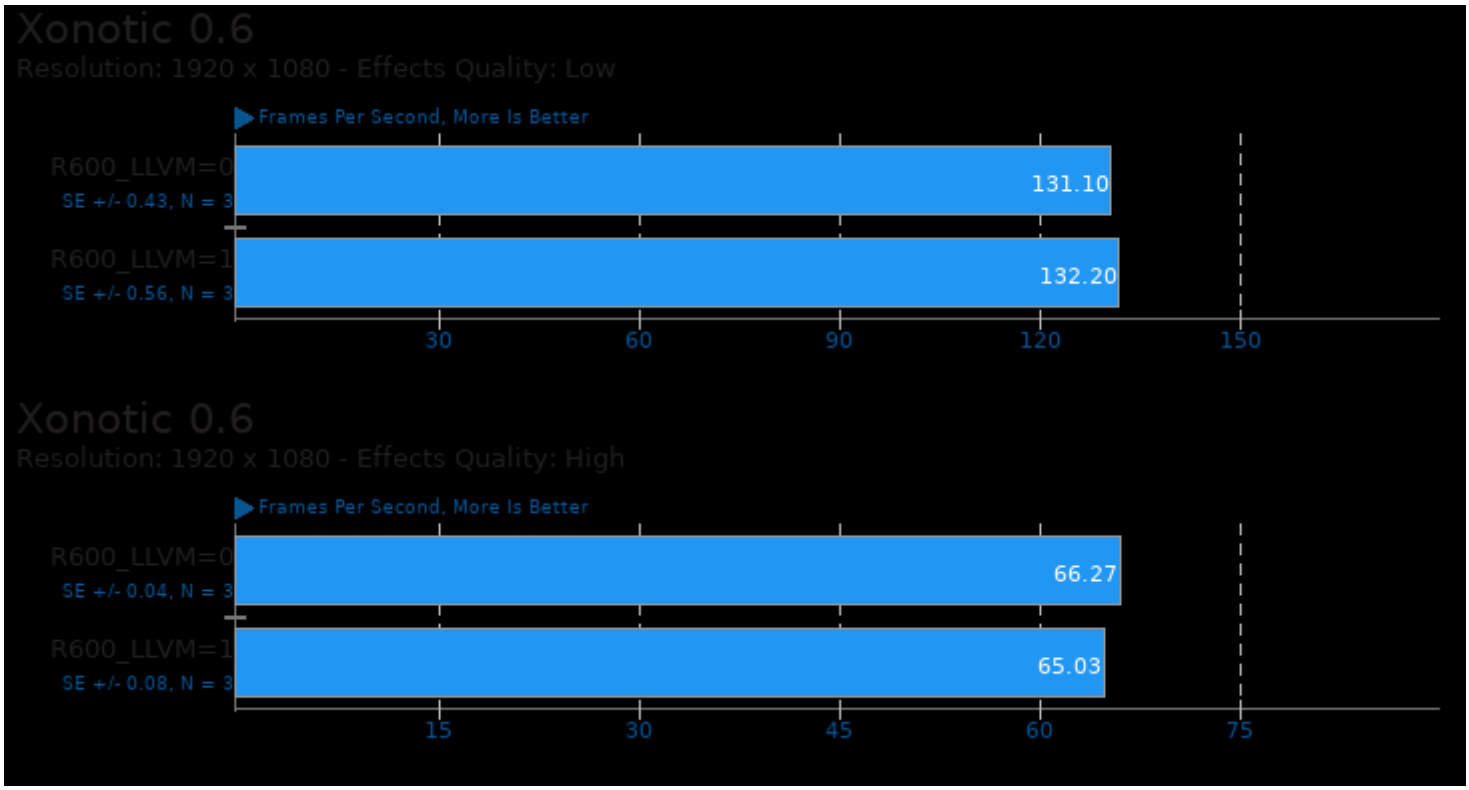
Graphics Notes: EXA

	R600_LLVM=0	R600_LLVM=1
Doom 3 - 1920 x 1080 - Low (FPS)	**56.90**	**57.13**
Normalized	99.6%	100%
Standard Deviation	0.5%	0.1%
Nexuiz - 1920 x 1080 - Yes - On (FPS)	**76.04**	**75.09**
Normalized	100%	98.75%
Standard Deviation	0.7%	0.6%
OpenArena - 1920 x 1080 (FPS)	**63.40**	**63.37**
Normalized	100%	99.95%
Standard Deviation	0%	0.1%
Prey - 1920 x 1080 (FPS)	**52.67**	**52.57**
Normalized	100%	99.81%
Standard Deviation	0.1%	0.1%
Xonotic - 1920 x 1080 - Low (FPS)	**131.10**	**132.20**
Normalized	99.17%	100%
Standard Deviation	0.6%	0.7%
Xonotic - 1920 x 1080 - High (FPS)	**66.27**	**65.03**
Normalized	100%	98.13%
Standard Deviation	0.1%	0.2%

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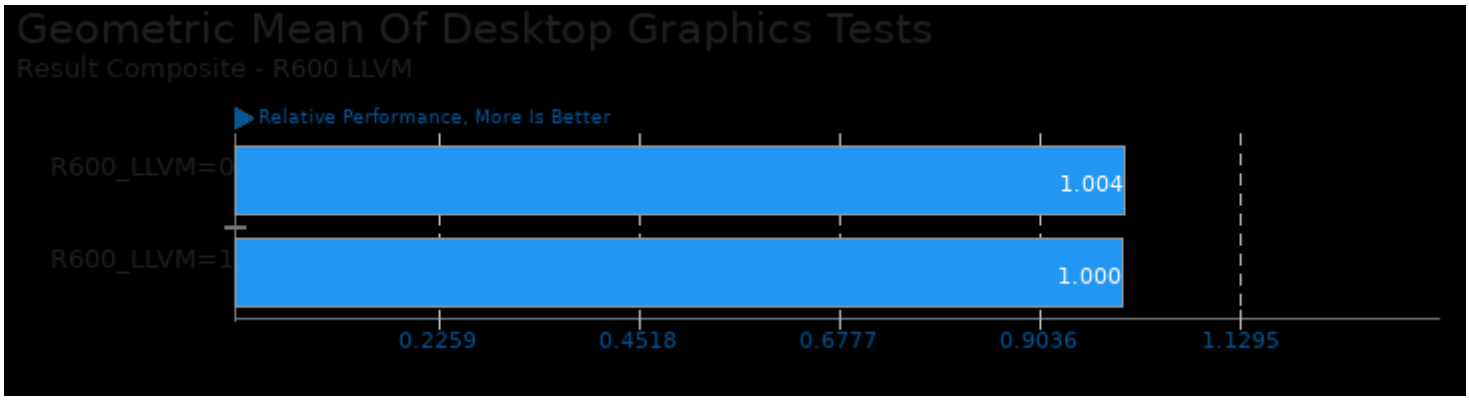

Doom 3 1.3.1
Resolution: 1920 x 1080 - Quality: Low
Frames Per Second, More Is Better
R600_LLVM=0
SE +/- 0.15, N = 3
56.90
R600_LLVM=1
SE +/- 0.03, N = 3
57.13
13
26
39
52
65
Nexuiz 2.5.2
Resolution: 1920 x 1080 - HDR: Yes - Sound: On
Frames Per Second, More Is Better
R600_LLVM=0
SE +/- 0.32, N = 3
76.04
R600_LLVM=1
SE +/- 0.25, N = 3
75.09
20
40
60
80
100
OpenArena 0.8.8
Resolution: 1920 x 1080
Frames Per Second, More Is Better
R600_LLVM=0
SE +/- 0.00, N = 3
63.40
R600_LLVM=1
SE +/- 0.03, N = 3
63.37
14
28
42
56
70
Prey 1.4.119
Resolution: 1920 x 1080
Frames Per Second, More Is Better
R600_LLVM=0
SE +/- 0.03, N = 3
52.67
R600_LLVM=1
SE +/- 0.03, N = 3
52.57
12
24
36
48
60

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Xonotic 0.6
Resolution: 1920 x 1080 - Effects Quality: Low
Frames Per Second, More Is Better
R600_LLVM=0
SE +/- 0.43, N = 3
131.10
R600_LLVM=1
SE +/- 0.56, N = 3
132.20
30
60
90
120
150
Xonotic 0.6
Resolution: 1920 x 1080 - Effects Quality: High
Frames Per Second, More Is Better
R600_LLVM=0
SE +/- 0.04, N = 3
66.27
R600_LLVM=1
SE +/- 0.08, N = 3
65.03
15
30
45
60
75

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



Geometric mean based upon tests: pts/xonotic and pts/openarena

This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 10:44.