

www.phoronix-test-suite.com

t1

1

Test Systems:

R610A #1

R610A #2

Processor: 2 x Intel Xeon X5670 @ 2.93GHz (12 Cores / 24 Threads), Motherboard: Dell 0F0XJ6, Chipset: Intel 5500 I/O + ICH9, Memory: 24576MB, Disk: 240GB CT240BX300SSD1, Graphics: LLVMpipe, Monitor: ASUS VW161, Network: Broadcom NetXtreme II BCM5709 Gigabit

OS: Debian 8.10, Kernel: 3.16.0-4-amd64 (x86_64), Desktop: GNOME Shell 3.14.4, Display Server: X Server 1.16.4, Display Driver: modesetting 0.9.0, OpenGL: 3.0 Mesa 10.3.2 Gallium 0.4 (LLVM 3.5 128 bits), Compiler: GCC 4.9.2, File-System: ext4, Screen Resolution: 1024x768

Environment Notes: GJS_DEBUG_TOPICS=JS ERROR;JS LOG GJS_DEBUG_OUTPUT=stderr
Compiler Notes: --build=x86_64-linux-gnu --disable-browser-plugin --disable-vtable-verify --enable-checking=release --enable-clocale=gnu --enable-gnu-unique-object

--enable-gtk-cairo --enable-java-awt=gtk --enable-java-home --enable-languages=c,c++,java,go,d,fortran,objc,obj-c++ --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc --enable-plugin --enable-shared --enable-threads=posix --host=x86_64-linux-gnu --target=x86_64-linux-gnu --with-abi=m64 --with-arch-32=i586 --with-arch-directory=amd64 --with-multilib-list=m32,m64,mx32 --with-tune=generic -v
Disk Notes: CFQ / data=ordered,errors=remount-ro,relatime,rw

R610B

Processor: 2 x Intel Xeon X5670 @ 2.93GHz (12 Cores / 24 Threads), Motherboard: Dell 0F0XJ6, Chipset: Intel 5500 I/O + ICH9, Memory: 121856MB, Disk: 240GB CT240BX300SSD1, Graphics: LLVMpipe, Monitor: ASUS VW161, Network: Broadcom NetXtreme II BCM5709 Gigabit

OS: Debian 8.10, Kernel: 3.16.0-4-amd64 (x86_64), Desktop: GNOME Shell 3.14.4, Display Server: X Server 1.16.4, Display Driver: modesetting 0.9.0, OpenGL: 3.0 Mesa 10.3.2 Gallium 0.4 (LLVM 3.5 128 bits), Compiler: GCC 4.9.2, File-System: ext4, Screen Resolution: 1280x720

Environment Notes: GJS_DEBUG_TOPICS=JS ERROR;JS LOG GJS_DEBUG_OUTPUT=stderr
Compiler Notes: --build=x86_64-linux-gnu --disable-browser-plugin --disable-vtable-verify --enable-checking=release --enable-clocale=gnu --enable-gnu-unique-object --enable-gtk-cairo --enable-java-awt=gtk --enable-java-home --enable-languages=c,c++,java,go,d,fortran,objc,obj-c++ --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc --enable-plugin --enable-shared --enable-threads=posix --host=x86_64-linux-gnu --target=x86_64-linux-gnu --with-abi=m64 --with-arch-32=i586 --with-arch-directory=amd64 --with-multilib-list=m32,m64,mx32 --with-tune=generic -v
Disk Notes: CFQ / data=ordered,errors=remount-ro,relatime,rw

R620A

Processor: 2 x Intel Xeon X5670 @ 2.93GHz (12 Cores / 24 Threads), Motherboard: Dell 0F0XJ6, Chipset: Intel 5500 I/O + ICH9, Memory: 121856MB, Disk: 240GB CT240BX300SSD1, Graphics: LLVMpipe, Monitor: ASUS VW161, Network: Broadcom NetXtreme II BCM5709 Gigabit

OS: Debian 8.10, Kernel: 3.16.0-4-amd64 (x86_64), Desktop: GNOME Shell 3.14.4, Display Server: X Server 1.16.4, Display Driver: modesetting 0.9.0, OpenGL: 3.0 Mesa 10.3.2 Gallium 0.4 (LLVM 3.5 256 bits), Compiler: GCC 4.9.2, File-System: ext4, Screen Resolution: 1360x768

Environment Notes: GJS_DEBUG_TOPICS=JS ERROR;JS LOG GJS_DEBUG_OUTPUT=stderr
Compiler Notes: --build=x86_64-linux-gnu --disable-browser-plugin --disable-vtable-verify --enable-checking=release --enable-clocale=gnu --enable-gnu-unique-object --enable-gtk-cairo --enable-java-awt=gtk --enable-java-home --enable-languages=c,c++,java,go,d,fortran,objc,obj-c++ --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc --enable-plugin --enable-shared --enable-threads=posix --host=x86_64-linux-gnu --target=x86_64-linux-gnu --with-abi=m64 --with-arch-32=i586 --with-arch-directory=amd64 --with-multilib-list=m32,m64,mx32 --with-tune=generic -v
Disk Notes: CFQ / data=ordered,errors=remount-ro,relatime,rw
Processor Notes: Scaling Governor: intel_pstate powersave

Pve50

Processor: Intel Xeon X5570 @ 2.93GHz (4 Cores / 8 Threads), Motherboard: Dell 0HYPX2, Chipset: Intel 5520 I/O + ICH9, Memory: 4096MB, Disk: 240GB CT240BX300SSD1, Graphics: LLVMpipe, Monitor: ASUS VW161, Network: Broadcom NetXtreme II BCM5709 Gigabit

OS: Debian 8.10, Kernel: 3.16.0-4-amd64 (x86_64), Desktop: GNOME Shell 3.14.4, Display Server: X Server 1.16.4, Display Driver: modesetting 0.9.0, OpenGL: 3.0 Mesa 10.3.2 Gallium 0.4 (LLVM 3.5 128 bits), Compiler: GCC 4.9.2, File-System: ext4, Screen Resolution: 1280x720

Environment Notes: GJS_DEBUG_TOPICS=JS ERROR;JS LOG GJS_DEBUG_OUTPUT=stderr
Compiler Notes: --build=x86_64-linux-gnu --disable-browser-plugin --disable-vtable-verify --enable-checking=release --enable-clocale=gnu --enable-gnu-unique-object --enable-gtk-cairo --enable-java-awt=gtk --enable-java-home --enable-languages=c,c++,java,go,d,fortran,objc,obj-c++ --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc --enable-plugin --enable-shared --enable-threads=posix --host=x86_64-linux-gnu --target=x86_64-linux-gnu --with-abi=m64 --with-arch-32=i586 --with-arch-directory=amd64 --with-multilib-list=m32,m64,mx32 --with-tune=generic -v
Disk Notes: CFQ / data=ordered,errors=remount-ro,relatime,rw

Pve60

Processor: 2 x Intel Xeon E5520 @ 2.26GHz (8 Cores / 16 Threads), Chipset: Intel 5520 I/O + ICH9, Memory: 97280MB, Disk: 240GB CT240BX300SSD1, Graphics: LLVMpipe, Monitor: ASUS VW161, Network: Broadcom NetXtreme II BCM5709 Gigabit

OS: Debian 8.10, Kernel: 3.16.0-4-amd64 (x86_64), Desktop: GNOME Shell 3.14.4, Display Server: X Server 1.16.4, Display Driver: modesetting 0.9.0, OpenGL: 3.0 Mesa 10.3.2 Gallium 0.4 (LLVM 3.5 128 bits), Compiler: GCC 4.9.2, File-System: ext4, Screen Resolution: 1280x720

Environment Notes: GJS_DEBUG_TOPICS=JS ERROR;JS LOG GJS_DEBUG_OUTPUT=stderr
Compiler Notes: --build=x86_64-linux-gnu --disable-browser-plugin --disable-vtable-verify --enable-checking=release --enable-clocale=gnu --enable-gnu-unique-object --enable-gtk-cairo --enable-java-awt=gtk --enable-java-home --enable-languages=c,c++,java,go,d,fortran,objc,obj-c++ --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc --enable-plugin --enable-shared --enable-threads=posix --host=x86_64-linux-gnu --target=x86_64-linux-gnu --with-abi=m64 --with-arch-32=i586 --with-arch-directory=amd64 --with-multilib-list=m32,m64,mx32 --with-tune=generic -v
Disk Notes: CFQ / data=ordered,errors=remount-ro,relatime,rw
Processor Notes: Scaling Governor: acpi-cpufreq ondemand

Pve40

Processor: Intel Xeon X5660 @ 2.79GHz (6 Cores / 12 Threads), Motherboard: Dell 0MD99X, Chipset: Intel 5520 I/O + ICH9, Memory: 16384MB, Disk: 240GB CT240BX300SSD1, Graphics: LLVMpipe, Monitor: ASUS VW161, Network: Broadcom NetXtreme II BCM5709 Gigabit

OS: Debian 8.10, Kernel: 3.16.0-4-amd64 (x86_64), Desktop: GNOME Shell 3.14.4, Display Server: X Server 1.16.4, Display Driver: modesetting 0.9.0, OpenGL: 3.0 Mesa 10.3.2 Gallium 0.4 (LLVM 3.5 128 bits), Compiler: GCC 4.9.2, File-System: ext4, Screen Resolution: 1280x720

Environment Notes: GJS_DEBUG_TOPICS=JS ERROR;JS LOG GJS_DEBUG_OUTPUT=stderr
Compiler Notes: --build=x86_64-linux-gnu --disable-browser-plugin --disable-vtable-verify --enable-checking=release --enable-clocale=gnu --enable-gnu-unique-object --enable-gtk-cairo --enable-java-awt=gtk --enable-java-home --enable-languages=c,c++,java,go,d,fortran,objc,obj-c++ --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc --enable-plugin --enable-shared --enable-threads=posix --host=x86_64-linux-gnu --target=x86_64-linux-gnu --with-abi=m64 --with-arch-32=i586 --with-arch-directory=amd64 --with-multilib-list=m32,m64,mx32 --with-tune=generic -v
Disk Notes: CFQ / data=ordered,errors=remount-ro,relatime,rw

Pve30

Processor: 2 x Intel Xeon X5650 @ 2.66GHz (12 Cores / 24 Threads), Motherboard: Dell 0MD99X, Chipset: Intel 5520 I/O + ICH9, Memory: 32768MB, Disk: 240GB CT240BX300SSD1, Graphics: LLVMpipe, Monitor: ASUS VW161, Network: Broadcom NetXtreme II BCM5709 Gigabit

OS: Debian 8.10, Kernel: 3.16.0-4-amd64 (x86_64), Desktop: GNOME Shell 3.14.4, Display Server: X Server 1.16.4, Display Driver: modesetting 0.9.0, OpenGL: 3.0 Mesa 10.3.2 Gallium 0.4 (LLVM 3.5 128 bits), Compiler: GCC 4.9.2, File-System: ext4, Screen Resolution: 1024x768

Environment Notes: GJS_DEBUG_TOPICS=JS ERROR;JS LOG GJS_DEBUG_OUTPUT=stderr
Compiler Notes: --build=x86_64-linux-gnu --disable-browser-plugin --disable-vtable-verify --enable-checking=release --enable-clocale=gnu --enable-gnu-unique-object --enable-gtk-cairo --enable-java-awt=gtk --enable-java-home --enable-languages=c,c++,java,go,d,fortran,objc,obj-c++ --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc --enable-plugin --enable-shared --enable-threads=posix --host=x86_64-linux-gnu --target=x86_64-linux-gnu --with-abi=m64 --with-arch-32=i586 --with-arch-directory=amd64 --with-multilib-list=m32,m64,mx32 --with-tune=generic -v
Disk Notes: CFQ / data=ordered,errors=remount-ro,relatime,rw

Pve20

Processor: 2 x Intel Xeon X5650 @ 2.66GHz (12 Cores / 24 Threads), Motherboard: Dell 0HYPX2, Chipset: Intel 5520 I/O + ICH9, Memory: 32768MB, Disk: 240GB CT240BX300SSD1, Graphics: LLVMpipe, Monitor: ASUS VW161, Network: Broadcom NetXtreme II BCM5709 Gigabit

OS: Debian 8.10, Kernel: 3.16.0-4-amd64 (x86_64), Desktop: GNOME Shell 3.14.4, Display Server: X Server 1.16.4,

Display Driver: modesetting 0.9.0, OpenGL: 3.0 Mesa 10.3.2 Gallium 0.4 (LLVM 3.5 128 bits), Compiler: GCC 4.9.2, File-System: ext4, Screen Resolution: 1280x720

Environment Notes: GJS_DEBUG_TOPICS=JS ERROR;JS LOG GJS_DEBUG_OUTPUT=stderr
Compiler Notes: --build=x86_64-linux-gnu --disable-browser-plugin --disable-vtable-verify --enable-checking=release --enable-clocale=gnu --enable-gnu-unique-object --enable-gtk-cairo --enable-java-awt=gtk --enable-java-home --enable-languages=c,c++,java,go,d,fortran,objc,obj-c++ --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc --enable-plugin --enable-shared --enable-threads=posix --host=x86_64-linux-gnu --target=x86_64-linux-gnu --with-abi=m64 --with-arch-32=i586 --with-arch-directory=amd64 --with-multilib-list=m32,m64,mx32 --with-tune=generic -v
Disk Notes: CFQ / data=ordered,errors=remount-ro,relatime,rw

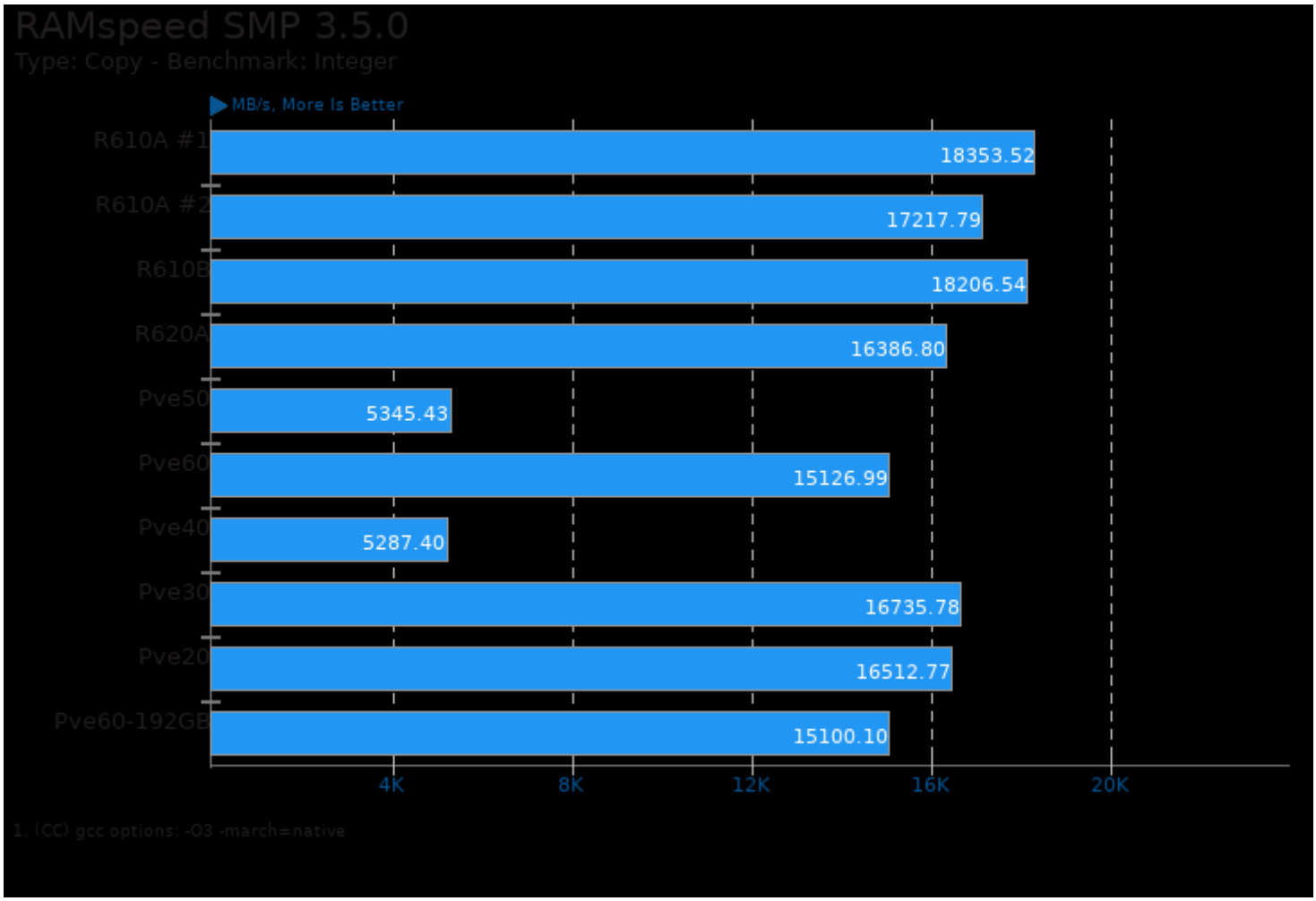
Pve60-192GB

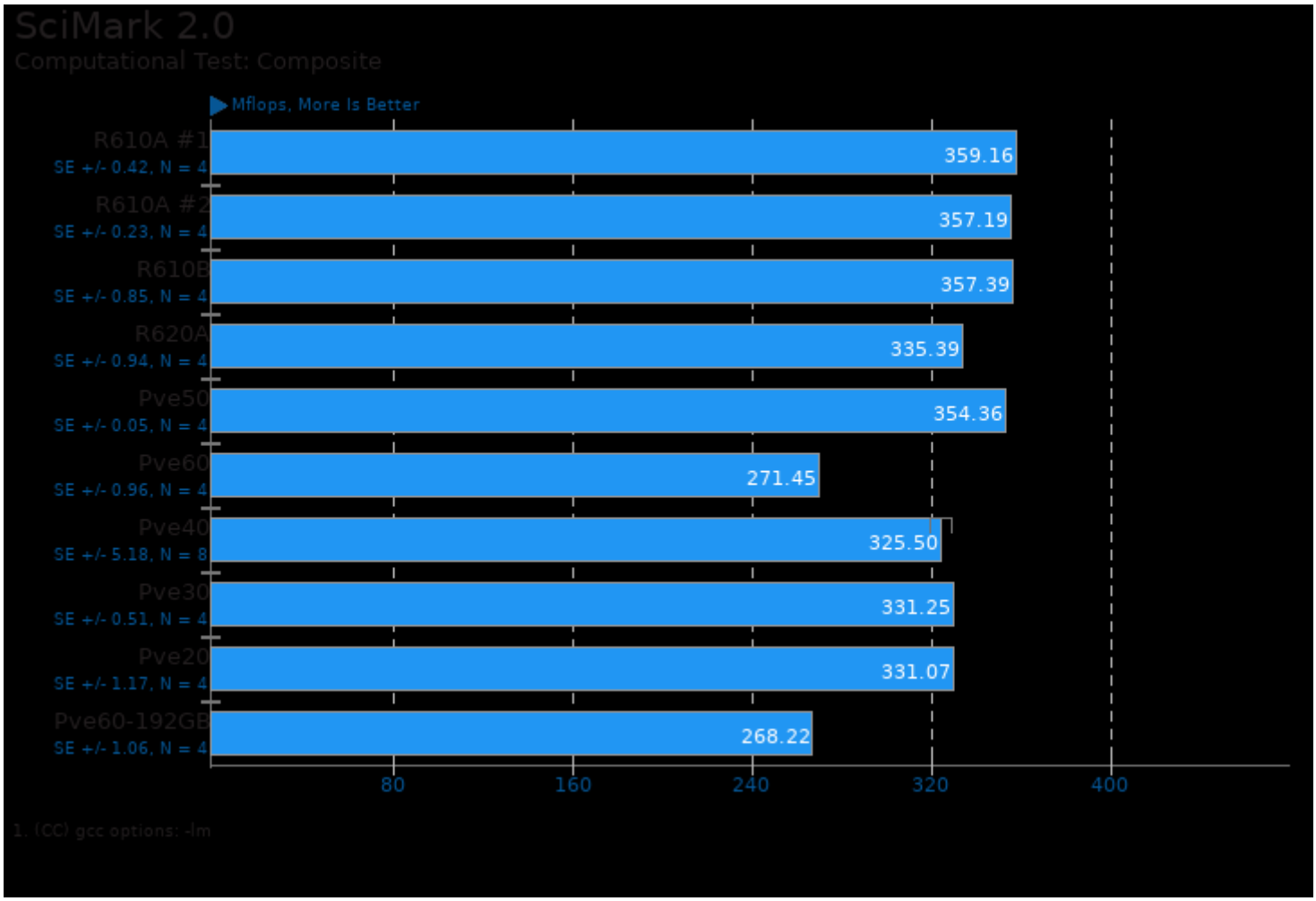
Processor: 2 x Intel Xeon E5520 @ 2.26GHz (8 Cores / 16 Threads), Chipset: Intel 5520 I/O + ICH9, Memory: 194560MB, Disk: 4001GB M3 Portable + 240GB CT240BX300SSD1 + 2GB USB Flash, Graphics: LLVMpipe, Monitor: ASUS VW161, Network: Broadcom NetXtreme II BCM5709 Gigabit

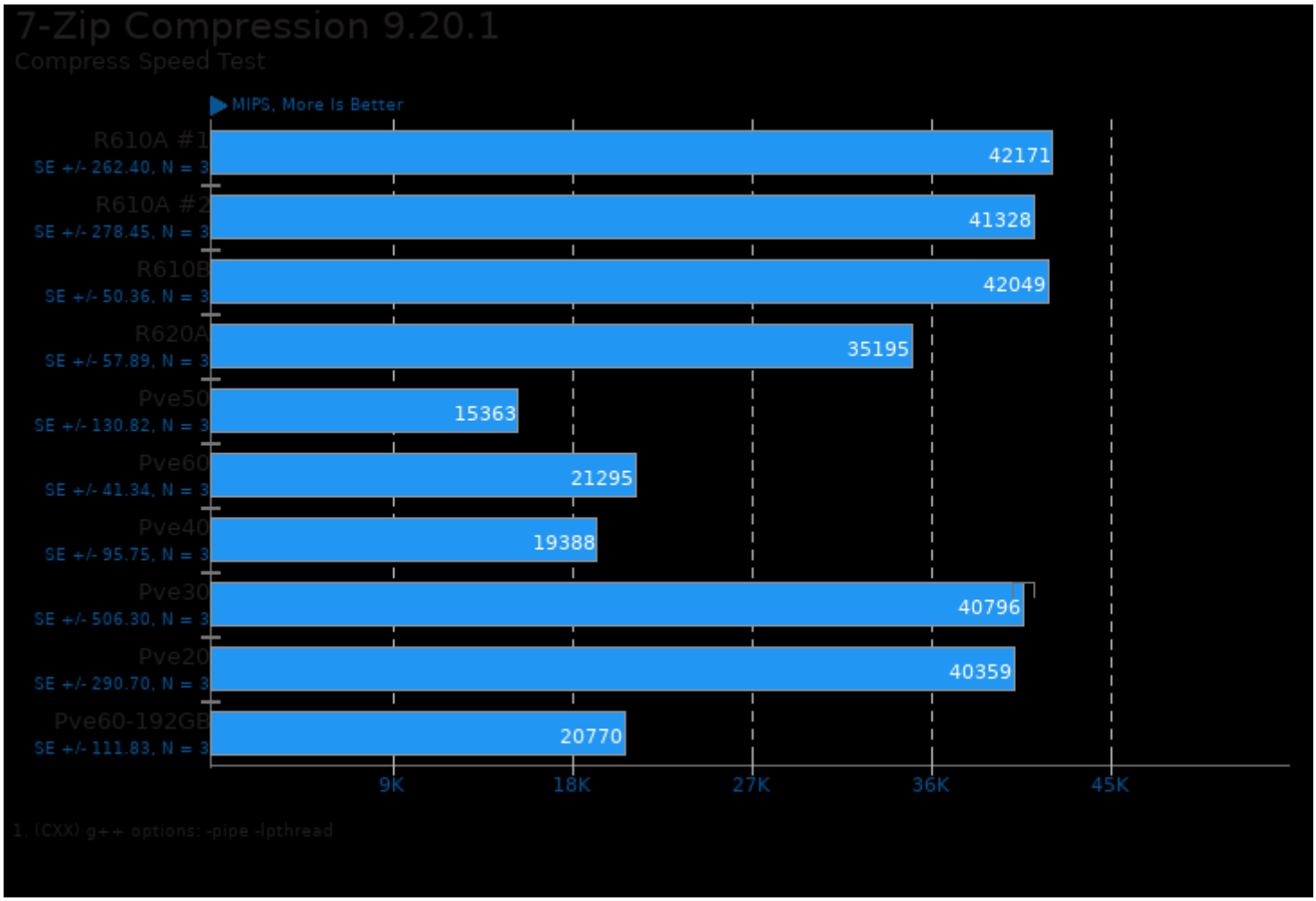
OS: Debian 8.10, Kernel: 3.16.0-4-amd64 (x86_64), Desktop: GNOME Shell 3.14.4, Display Server: X Server 1.16.4, Display Driver: modesetting 0.9.0, OpenGL: 3.0 Mesa 10.3.2 Gallium 0.4 (LLVM 3.5 128 bits), Compiler: GCC 4.9.2, File-System: ext4, Screen Resolution: 1024x768

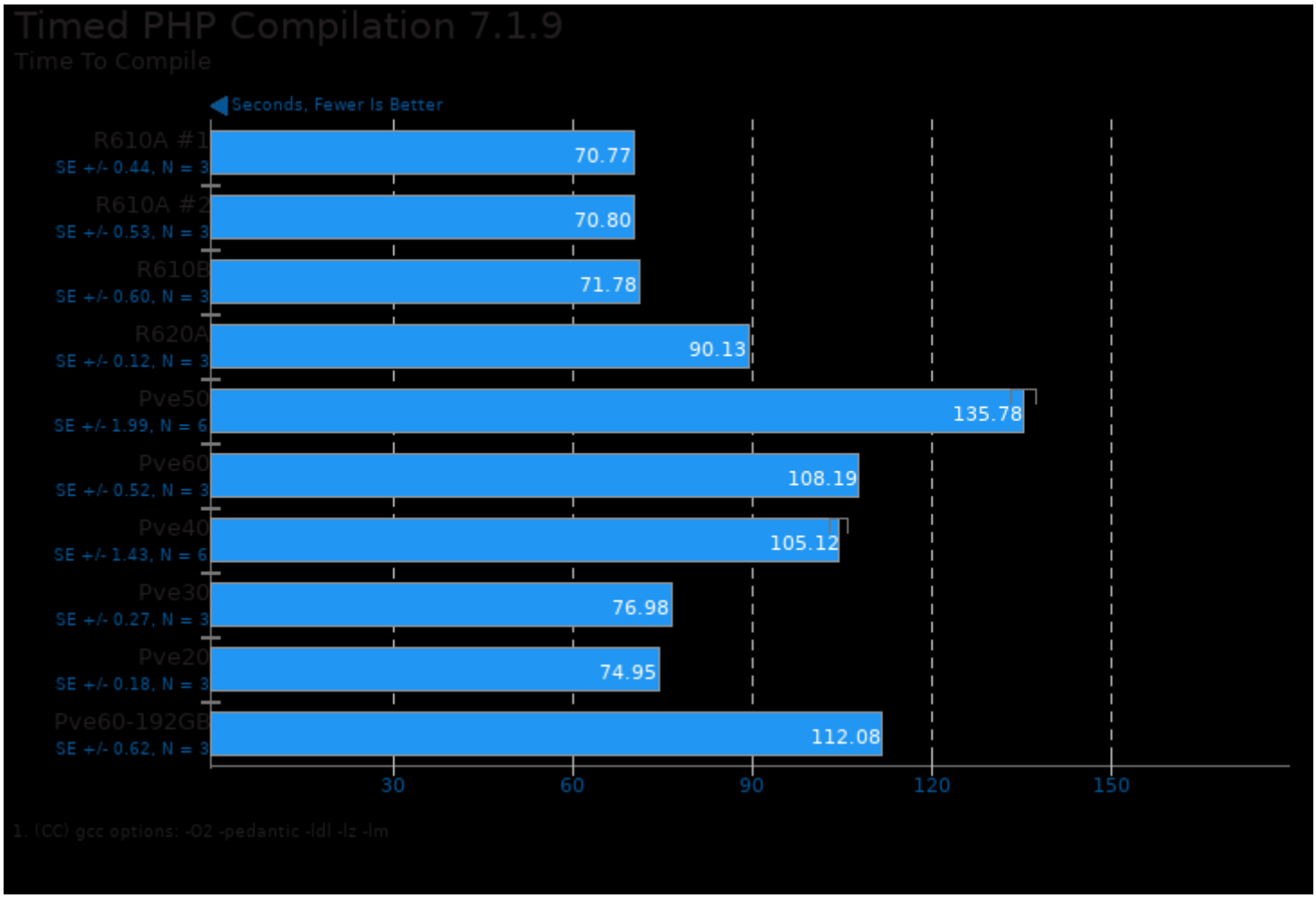
Environment Notes: GJS_DEBUG_TOPICS=JS ERROR;JS LOG GJS_DEBUG_OUTPUT=stderr
Compiler Notes: --build=x86_64-linux-gnu --disable-browser-plugin --disable-vtable-verify --enable-checking=release --enable-clocale=gnu --enable-gnu-unique-object --enable-gtk-cairo --enable-java-awt=gtk --enable-java-home --enable-languages=c,c++,java,go,d,fortran,objc,obj-c++ --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc --enable-plugin --enable-shared --enable-threads=posix --host=x86_64-linux-gnu --target=x86_64-linux-gnu --with-abi=m64 --with-arch-32=i586 --with-arch-directory=amd64 --with-multilib-list=m32,m64,mx32 --with-tune=generic -v
Disk Notes: CFQ / data=ordered,errors=remount-ro,relatime,rw
Processor Notes: Scaling Governor: acpi-cpufreq ondemand

	R610A #1	R610A #2	R610B	R620A	Pve50	Pve60	Pve40	Pve30	Pve20	Pve60-192GB
RAMspeed SMP - Copy - Integer (MB/s)	**18354**	17218	18207	16387	5345	15127	**5287**	16736	16513	15100
Normalized	100%	93.81%	99.2%	89.28%	29.12%	82.42%	28.81%	91.19%	89.97%	82.27%
SciMark - Composite (Mflops)	**359.16**	357.19	357.39	335.39	354.36	271.45	325.50	331.25	331.07	**268.22**
Normalized	100%	99.45%	99.51%	93.38%	98.66%	75.58%	90.63%	92.23%	92.18%	74.68%
Standard Deviation	0.2%	0.1%	0.5%	0.6%	0%	0.7%	4.5%	0.3%	0.7%	0.8%
7-Zip Compression - C.S.T (MIPS)	**42171**	41328	42049	34516	**15363**	21295	19388	40796	40359	20770
Normalized	100%	98%	99.71%	81.85%	36.43%	50.5%	45.97%	96.74%	95.7%	49.25%
Standard Deviation	1.1%	1.2%	0.2%	0.6%	1.5%	0.3%	0.9%	2.1%	1.2%	0.9%
Timed PHP Compilation - Time To Compile (sec)	**70.77**	70.80	71.78	89.03	**135.78**	108.19	105.12	76.98	74.95	112.08
Normalized	100%	99.96%	98.59%	79.49%	52.12%	65.41%	67.32%	91.93%	94.42%	63.14%
Standard Deviation	1.1%	1.3%	1.4%	1.7%	3.6%	0.8%	3.3%	0.6%	0.4%	1%

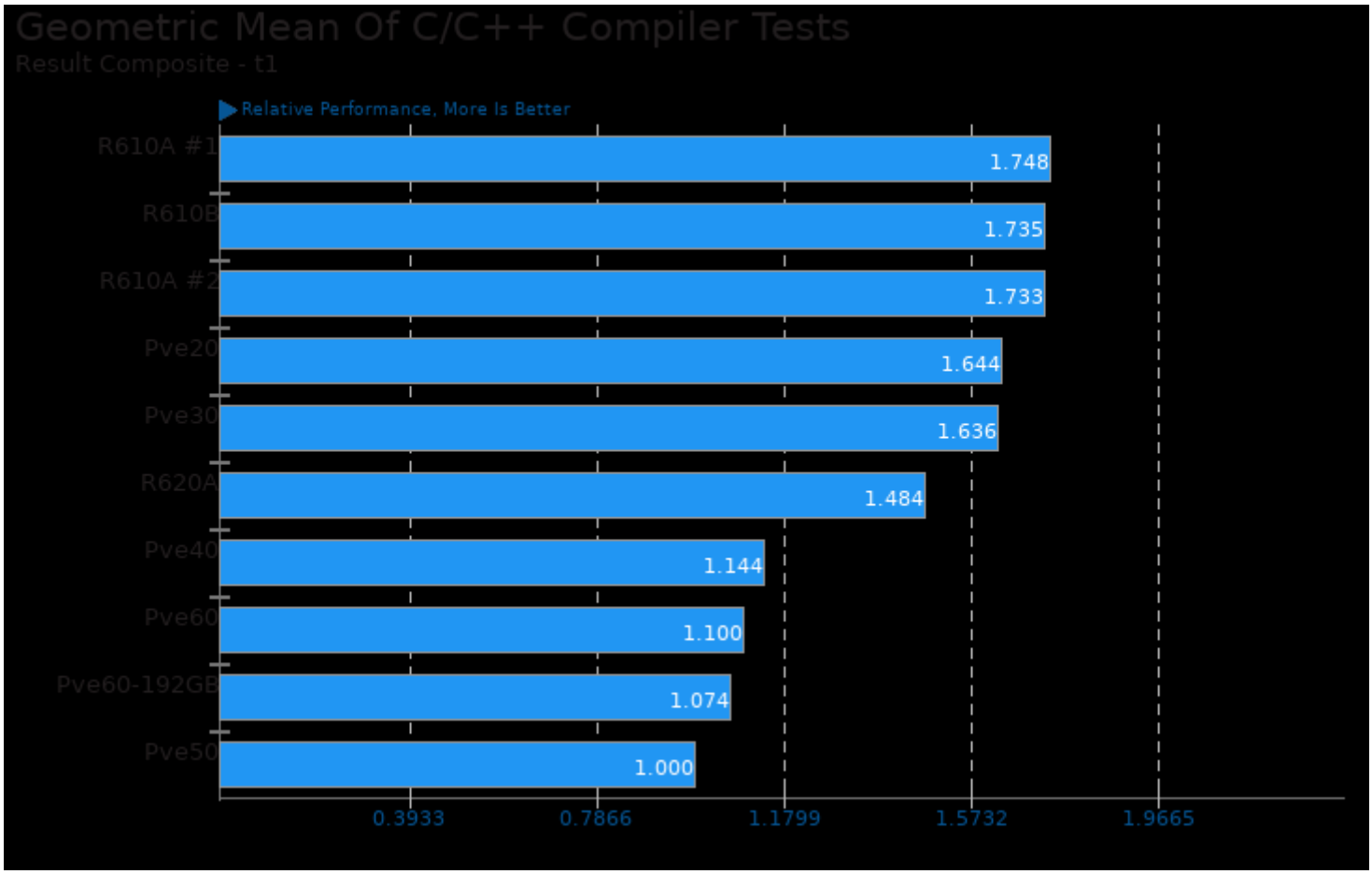

RAMspeed SMP 3.5.0
Type: Copy - Benchmark: Integer
MB/s, More Is Better
R610A #1
18353.52
R610A #2
17217.79
R610B
18206.54
R620A
16386.80
Pve50
5345.43
Pve60
15126.99
Pve40
5287.40
Pve30
16735.78
Pve20
16512.77
Pve60-192GB
15100.10
4K
8K
12K
16K
20K
1. (CC) gcc options: -O3 -march=native


SciMark 2.0
Computational Test: Composite
Mflops, More Is Better
R610A #1
SE +/- 0.42, N = 4
359.16
R610A #2
SE +/- 0.23, N = 4
357.19
R610B
SE +/- 0.85, N = 4
357.39
R620A
SE +/- 0.94, N = 4
335.39
Pve50
SE +/- 0.05, N = 4
354.36
Pve60
SE +/- 0.96, N = 4
271.45
Pve40
SE +/- 5.18, N = 8
325.50
Pve30
SE +/- 0.51, N = 4
331.25
Pve20
SE +/- 1.17, N = 4
331.07
Pve60-192GB
SE +/- 1.06, N = 4
268.22
80
160
240
320
400
1. (CC) gcc options: -lm

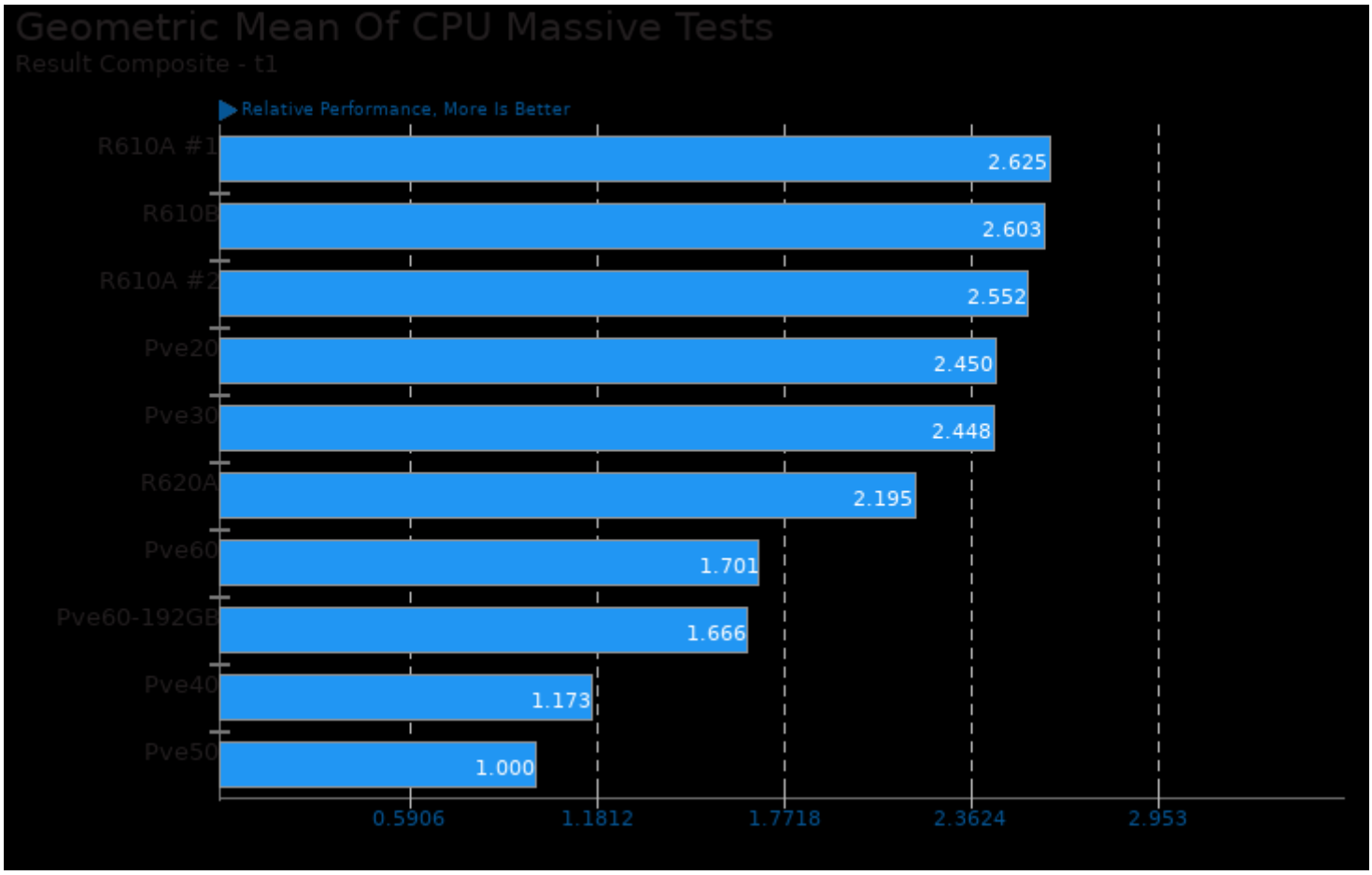

7-Zip Compression 9.20.1
Compress Speed Test
MIPS, More Is Better
R610A #1
SE +/- 262.40, N = 3
42171
R610A #2
SE +/- 278.45, N = 3
41328
R610B
SE +/- 50.36, N = 3
42049
R620A
SE +/- 57.89, N = 3
35195
Pve50
SE +/- 130.82, N = 3
15363
Pve60
SE +/- 41.34, N = 3
21295
Pve40
SE +/- 95.75, N = 3
19388
Pve30
SE +/- 506.30, N = 3
40796
Pve20
SE +/- 290.70, N = 3
40359
Pve60-192GB
SE +/- 111.83, N = 3
20770
9K
18K
27K
36K
45K
1. (CXX) g++ options: -pipe -lpthread


Timed PHP Compilation 7.1.9
Time To Compile
Seconds, Fewer Is Better
R610A #1
SE +/- 0.44, N = 3
70.77
R610A #2
SE +/- 0.53, N = 3
70.80
R610B
SE +/- 0.60, N = 3
71.78
R620A
SE +/- 0.12, N = 3
90.13
Pve50
SE +/- 1.99, N = 6
135.78
Pve60
SE +/- 0.52, N = 3
108.19
Pve40
SE +/- 1.43, N = 6
105.12
Pve30
SE +/- 0.27, N = 3
76.98
Pve20
SE +/- 0.18, N = 3
74.95
Pve60-192GB
SE +/- 0.62, N = 3
112.08
30
60
90
120
150
1. (CC) gcc options: -O2 -pedantic -ldl -lz -lm

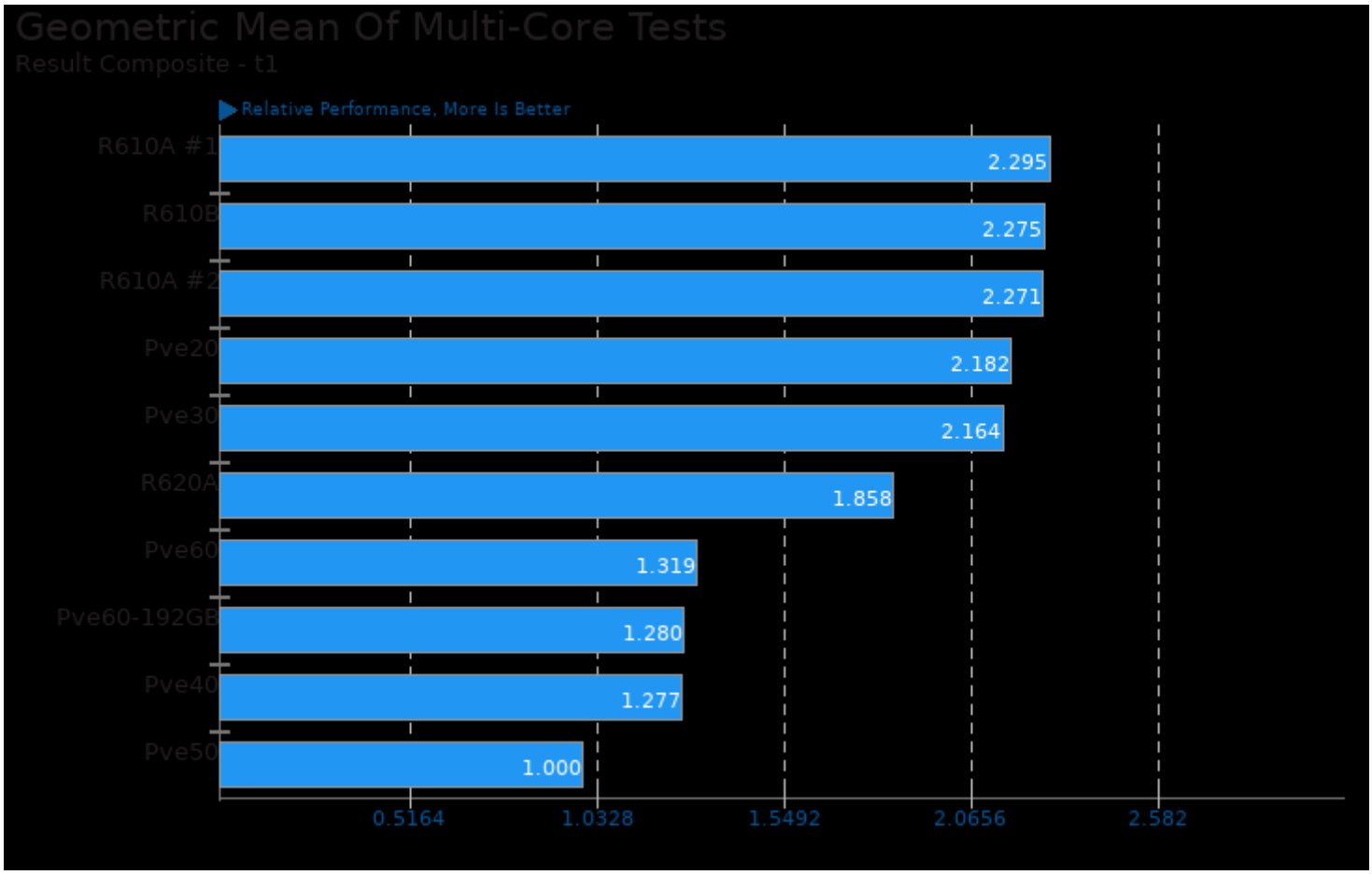
These geometric means are based upon test groupings / test suites for this result file.



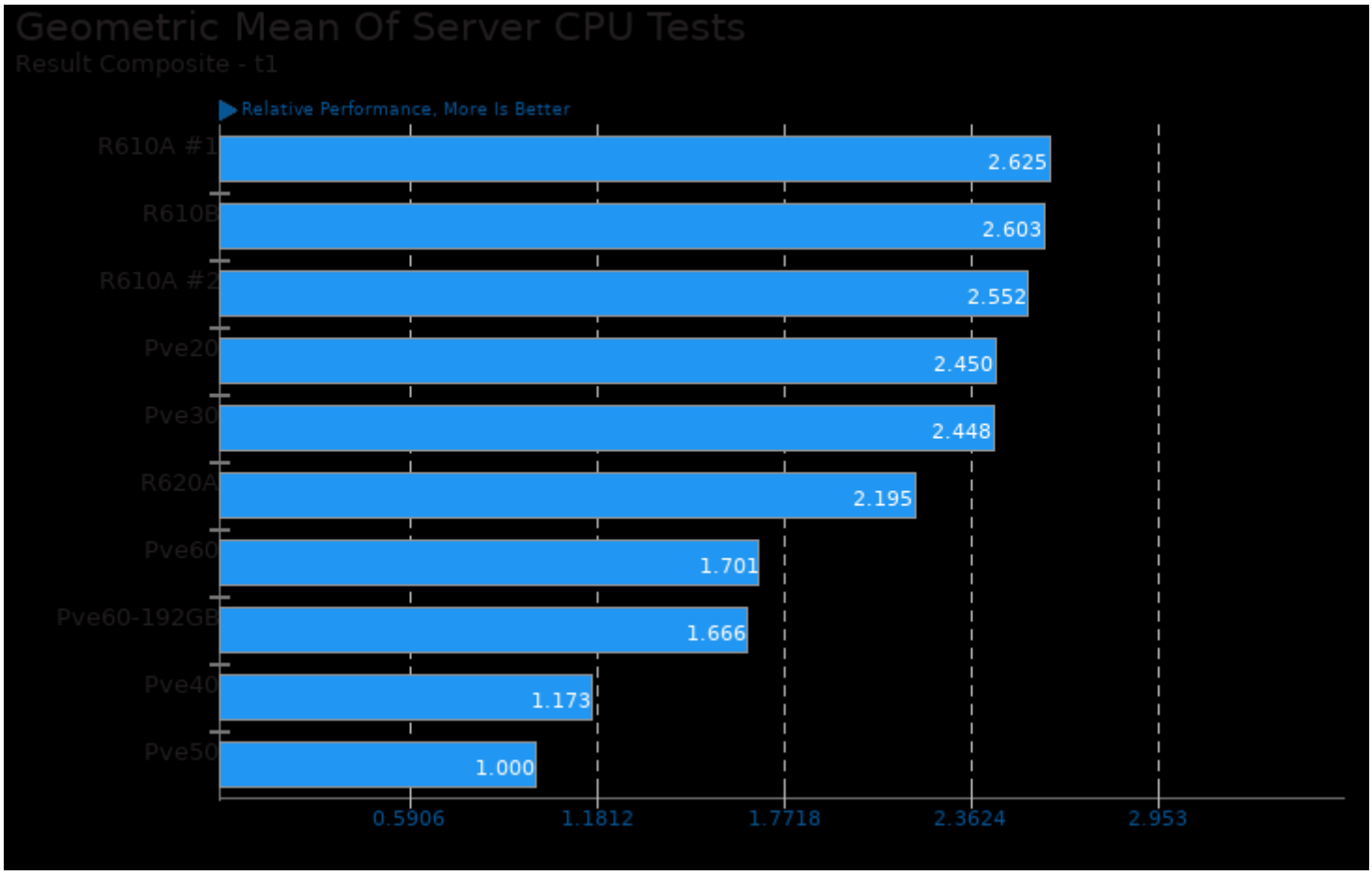
Geometric mean based upon tests: pts/scimark2, pts/build-php and pts/compress-7zip



Geometric mean based upon tests: pts/build-php, pts/compress-7zip and pts/ramspeed



Geometric mean based upon tests: pts/compress-7zip and pts/build-php



Geometric mean based upon tests: pts/compress-7zip, pts/build-php and pts/ramspeed

This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 08:26.