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# T1

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## Test Systems:

### R610a

### R610A

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

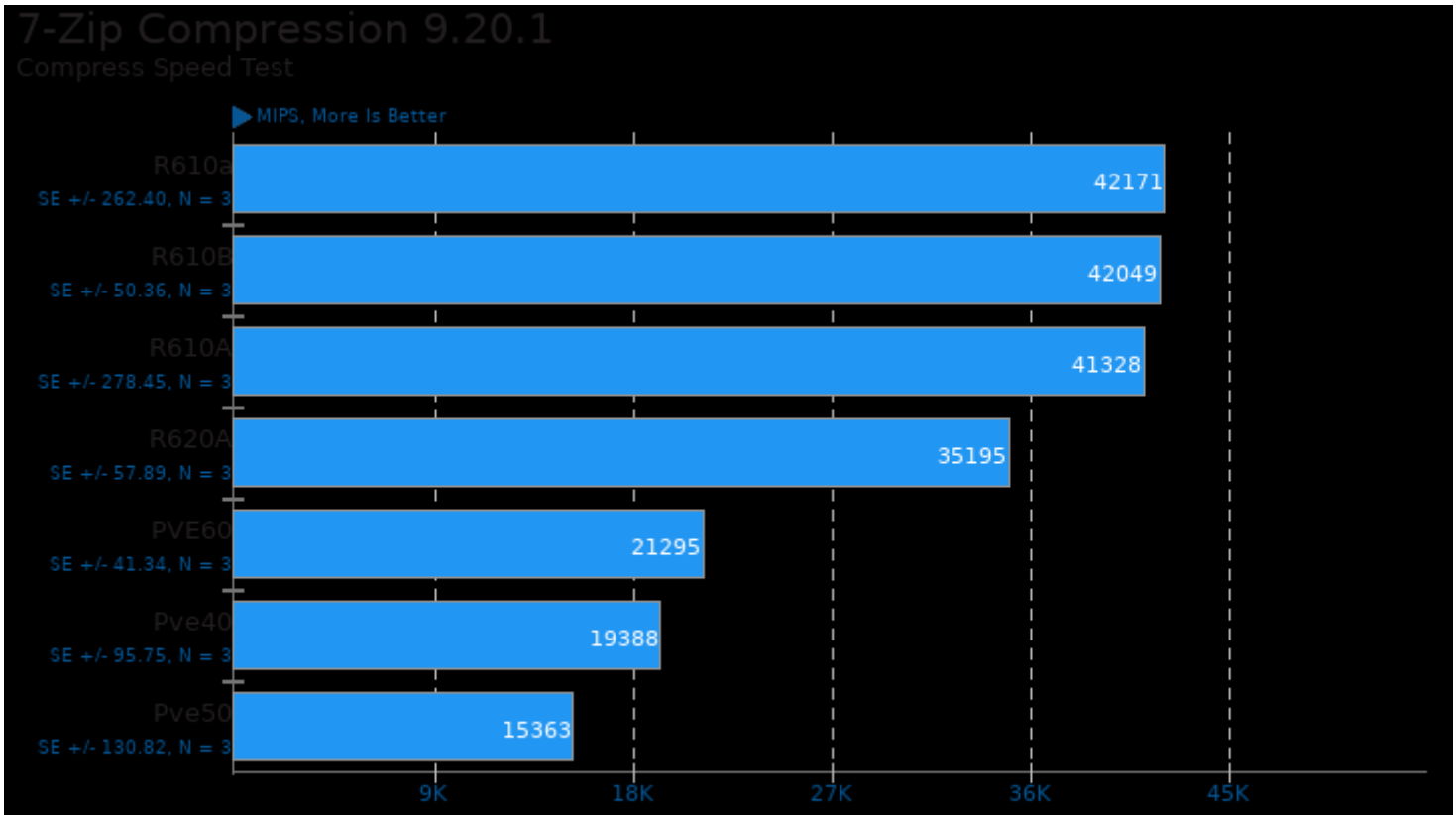
## Pve40

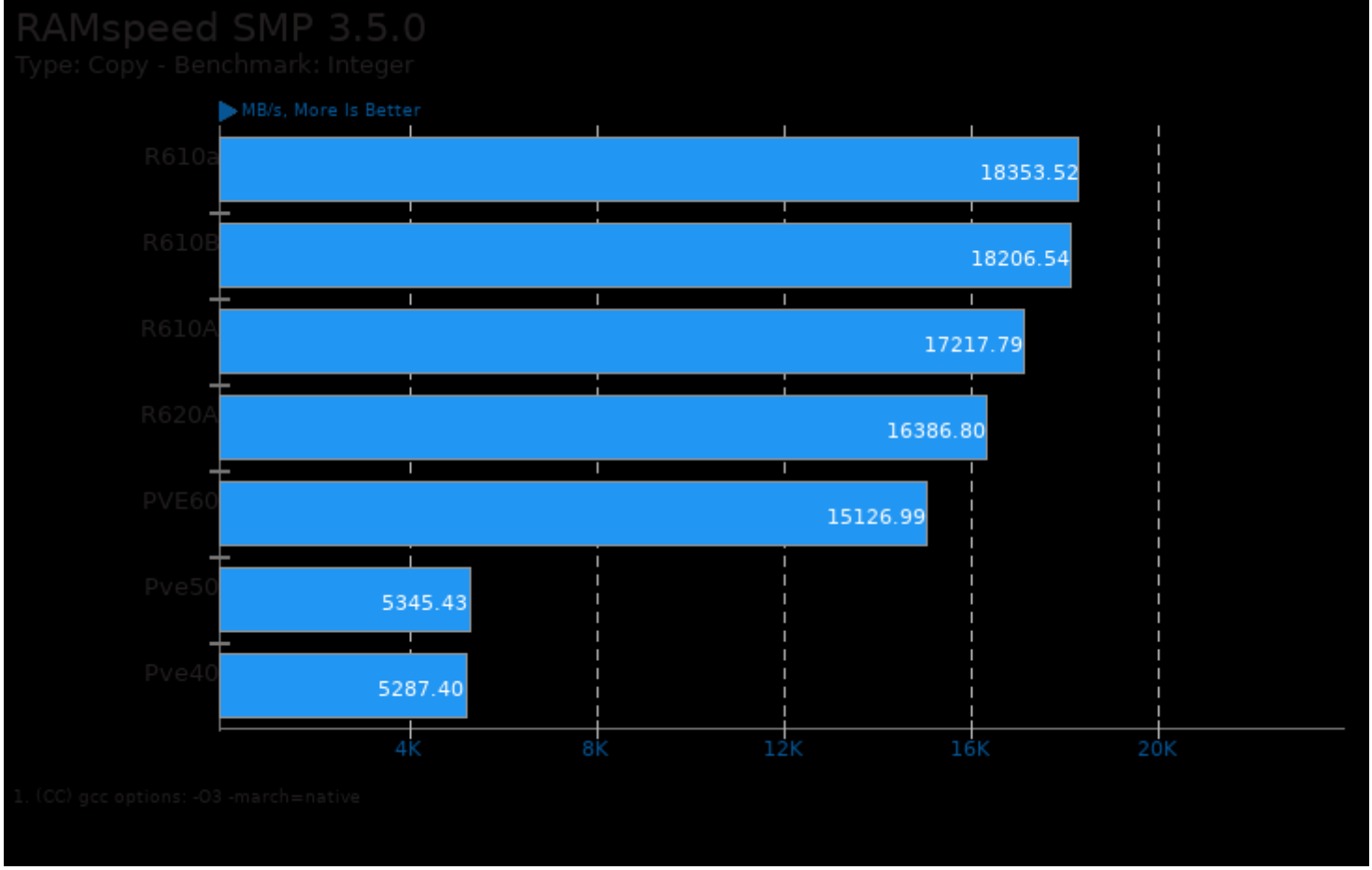
Processor: Intel Xeon X5660 @ 2.79GHz (6 Cores / 12 Threads), Motherboard: Dell 0MD99X, Chipset: Intel 5520 I/O + ICH9, Memory: 16384MB, Disk: 240GB CT240BX300SSD1, Graphics: LLVMpipe, Monitor: ASUS VW161, Network: Broadcom NetXtreme II BCM5709 Gigabit

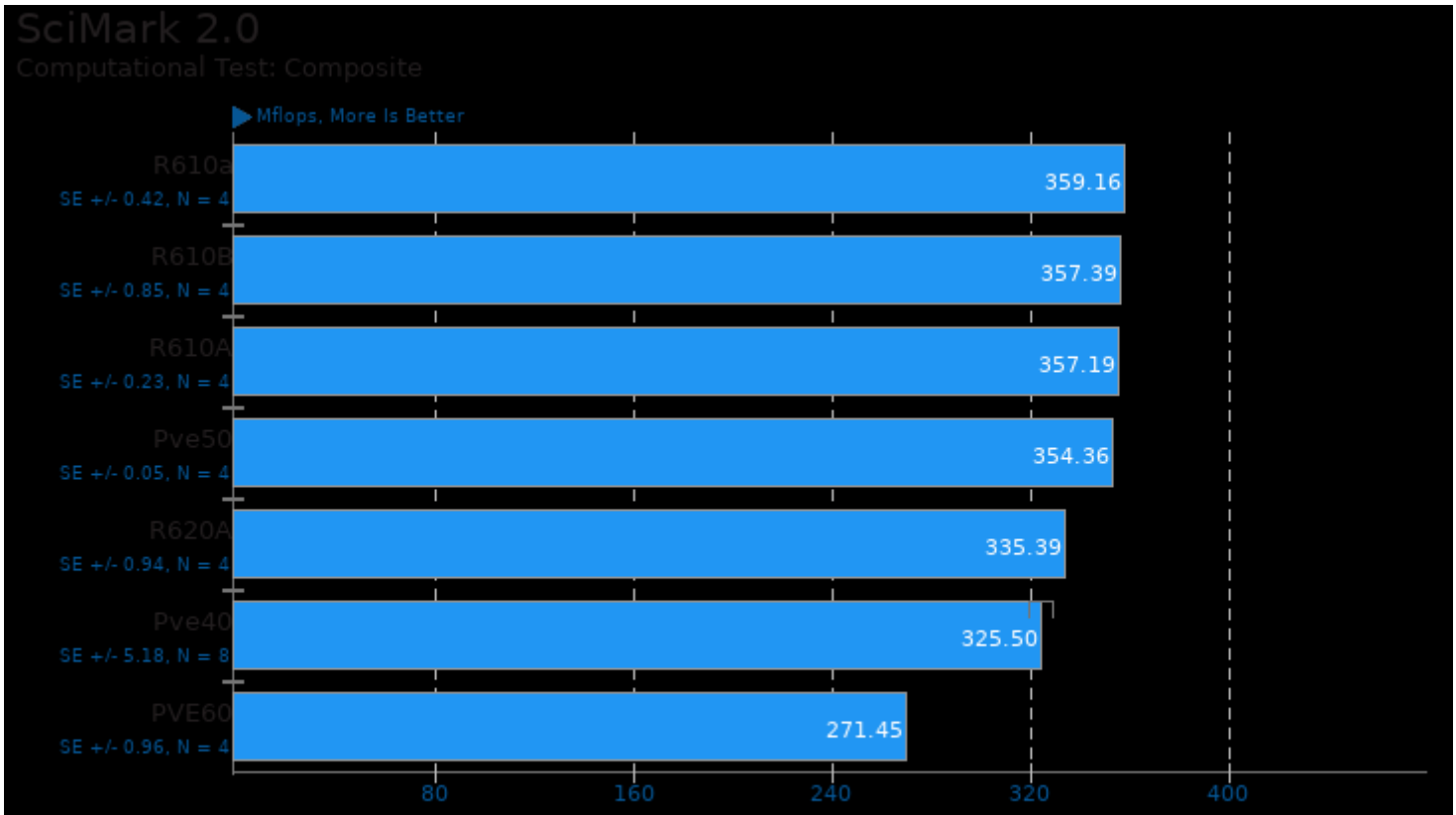
OS: Debian 8.10, Kernel: 3.16.0-4-amd64 (x86_64), Desktop: GNOME Shell 3.14.4, Display Server: X Server 1.16.4, Display Driver: modesetting 0.9.0, OpenGL: 3.0 Mesa 10.3.2 Gallium 0.4 (LLVM 3.5 128 bits), Compiler: GCC 4.9.2, File-System: ext4, Screen Resolution: 1280x720

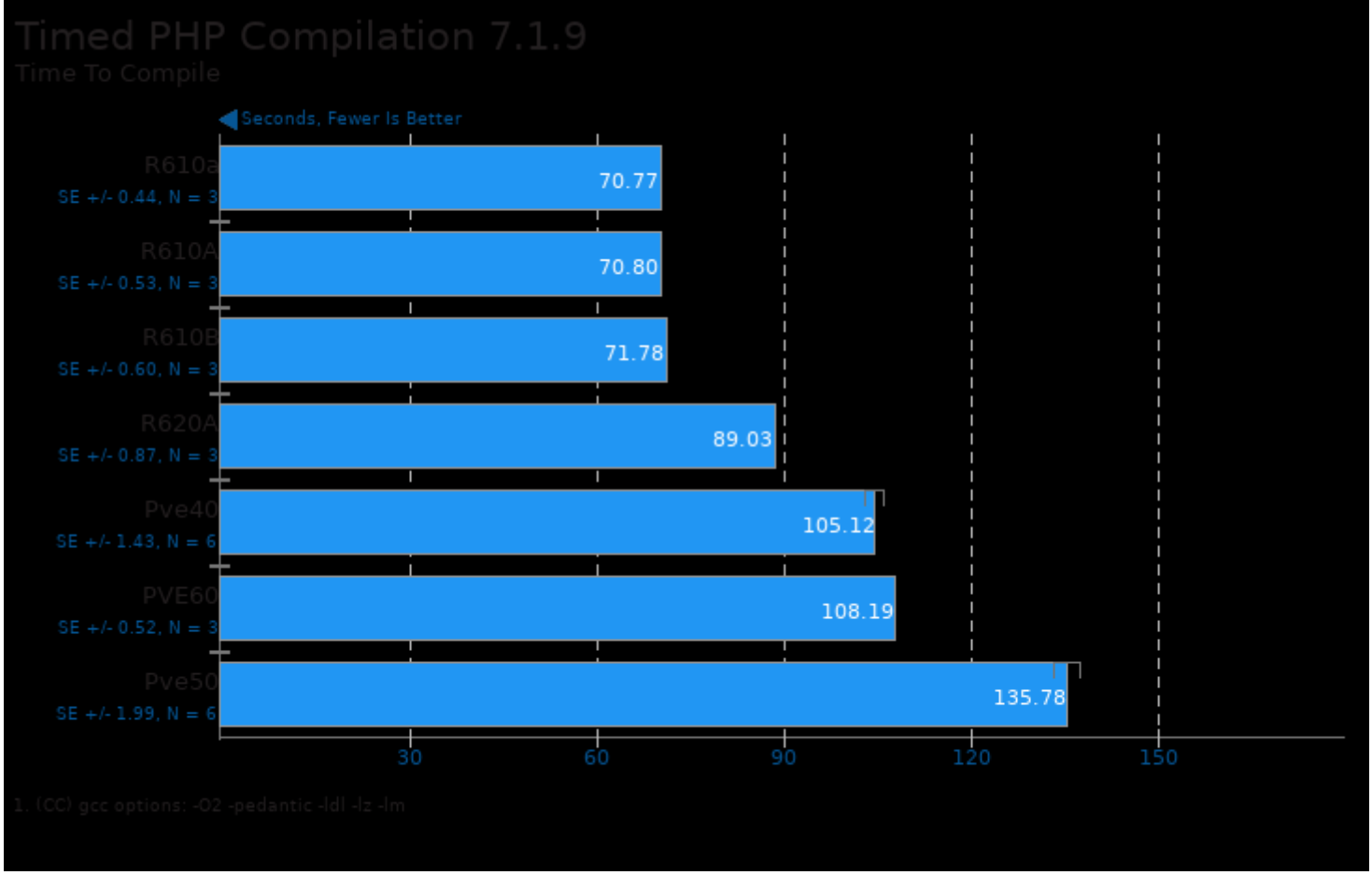
Environment Notes: GJS_DEBUG_TOPICS=JS ERROR;JS LOG GJS_DEBUG_OUTPUT=stderr
Compiler Notes: --build=x86_64-linux-gnu --disable-browser-plugin --disable-vtable-verify --enable-checking=release --enable-clocale=gnu --enable-gnu-unique-object --enable-gtk-cairo --enable-java-awt=gtk --enable-java-home --enable-languages=c,c++,java,go,d,fortran,objc,obj-c++ --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

| | R610a | R610A | R610B | R620A | Pve50 | PVE60 | Pve40 |
|---|---|---|---|---|---|---|---|
| **7-Zip Compression - C.S.T (MIPS)** | **42171** | 41328 | 42049 | 34516 | **15363** | 21295 | 19388 |
| **Normalized** | 100% | 98% | 99.71% | 81.85% | 36.43% | 50.5% | 45.97% |
| **Standard Deviation** | 1.1% | 1.2% | 0.2% | 0.6% | 1.5% | 0.3% | 0.9% |
| **RAMspeed SMP - Copy - Integer (MB/s)** | **18354** | 17218 | 18207 | 16387 | 5345 | 15127 | **5287** |
| **Normalized** | 100% | 93.81% | 99.2% | 89.28% | 29.12% | 82.42% | 28.81% |
| **SciMark - Composite (Mflops)** | **359.16** | 357.19 | 357.39 | 335.39 | 354.36 | **271.45** | 325.50 |
| **Normalized** | 100% | 99.45% | 99.51% | 93.38% | 98.66% | 75.58% | 90.63% |
| **Standard Deviation** | 0.2% | 0.1% | 0.5% | 0.6% | 0% | 0.7% | 4.5% |
| **Timed PHP Compilation - Time To Compile (sec)** | **70.77** | 70.80 | 71.78 | 89.03 | **135.78** | 108.19 | 105.12 |
| **Normalized** | 100% | 99.96% | 98.59% | 79.49% | 52.12% | 65.41% | 67.32% |
| **Standard Deviation** | 1.1% | 1.3% | 1.4% | 1.7% | 3.6% | 0.8% | 3.3% |

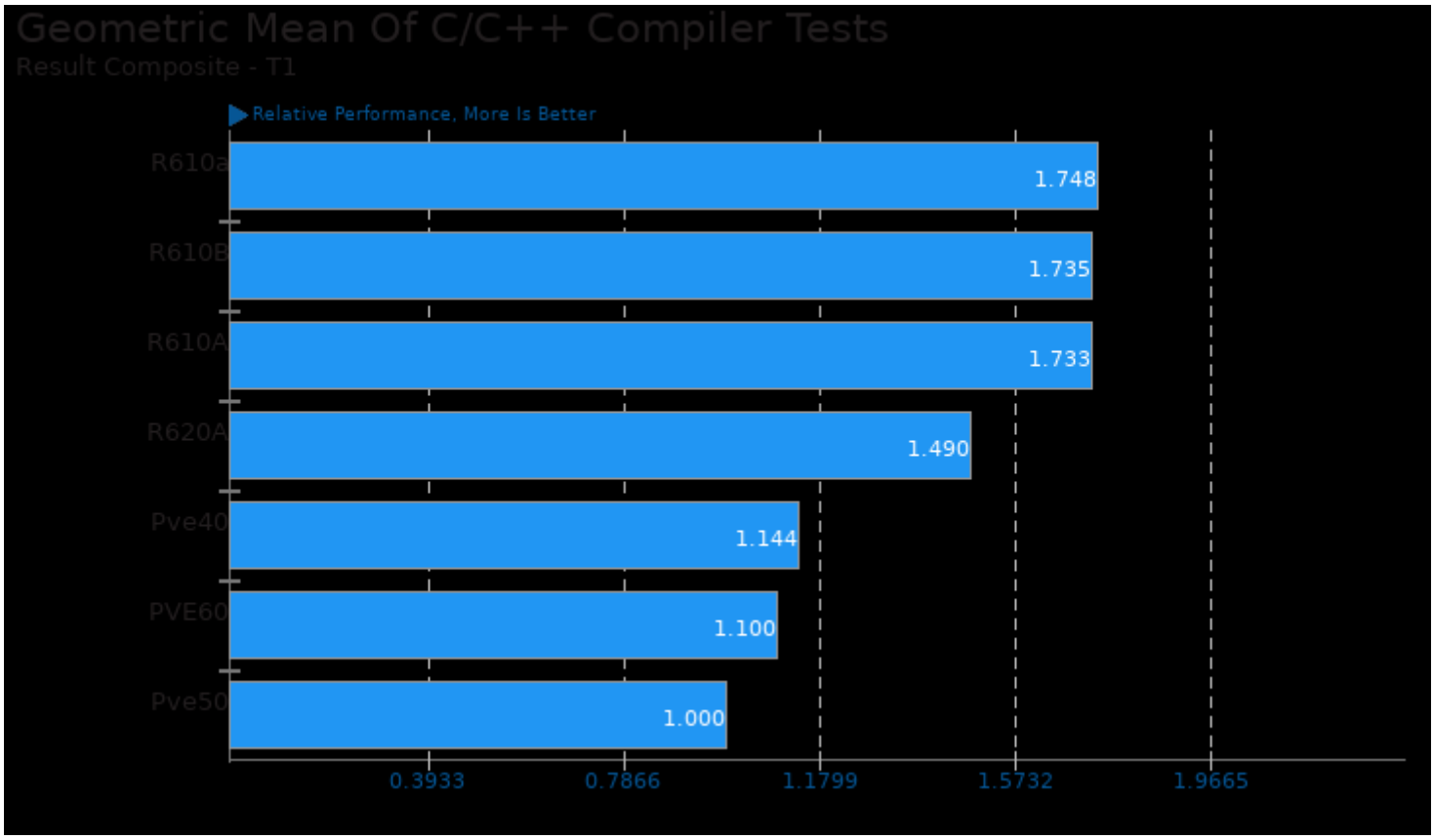

7-Zip Compression 9.20.1
Compress Speed Test
MIPS, More Is Better
R610a
SE +/- 262.40, N = 3
42171
R610B
SE +/- 50.36, N = 3
42049
R610A
SE +/- 278.45, N = 3
41328
R620A
SE +/- 57.89, N = 3
35195
PVE60
SE +/- 41.34, N = 3
21295
Pve40
SE +/- 95.75, N = 3
19388
Pve50
SE +/- 130.82, N = 3
15363
9K
18K
27K
36K
45K
1. (CXX) g++ options: -pipe -lpthread


RAMspeed SMP 3.5.0
Type: Copy - Benchmark: Integer
MB/s, More Is Better
R610a
18353.52
R610B
18206.54
R610A
17217.79
R620A
16386.80
PVE60
15126.99
Pve50
5345.43
Pve40
5287.40
4K
8K
12K
16K
20K
1. (CC) gcc options: -O3 -march=native

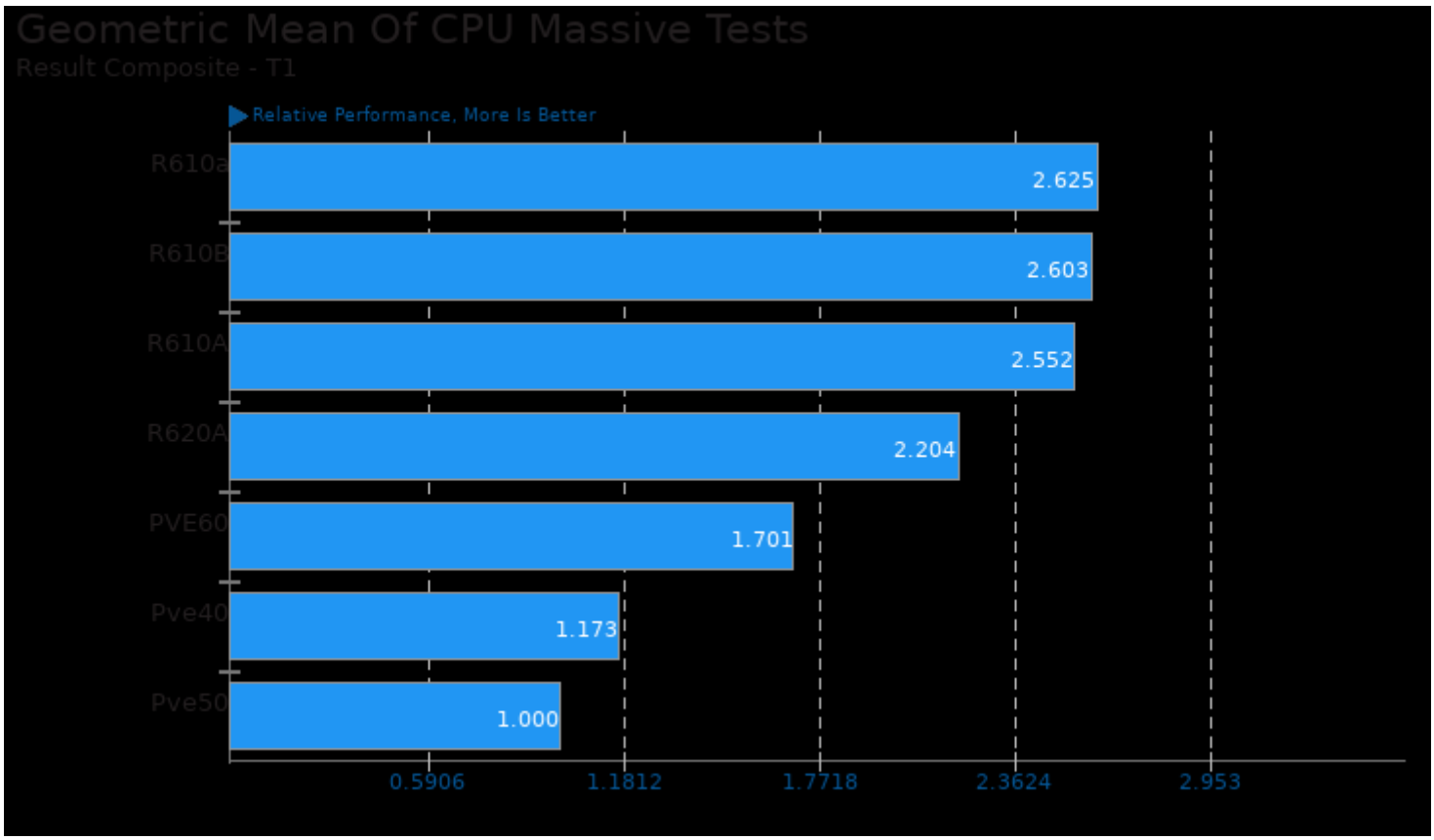

SciMark 2.0
Computational Test: Composite
Mflops, More Is Better
R610a
SE +/- 0.42, N = 4
359.16
R610B
SE +/- 0.85, N = 4
357.39
R610A
SE +/- 0.23, N = 4
357.19
Pve50
SE +/- 0.05, N = 4
354.36
R620A
SE +/- 0.94, N = 4
335.39
Pve40
SE +/- 5.18, N = 8
325.50
PVE60
SE +/- 0.96, N = 4
271.45
80
160
240
320
400
1. (CC) gcc options: -lm


Timed PHP Compilation 7.1.9
Time To Compile
Seconds, Fewer Is Better
R610a
SE +/- 0.44, N = 3
70.77
R610A
SE +/- 0.53, N = 3
70.80
R610B
SE +/- 0.60, N = 3
71.78
R620A
SE +/- 0.87, N = 3
89.03
Pve40
SE +/- 1.43, N = 6
105.12
PVE60
SE +/- 0.52, N = 3
108.19
Pve50
SE +/- 1.99, N = 6
135.78
30
60
90
120
150
1. (CC) gcc options: -O2 -pedantic -ldl -lz -lm

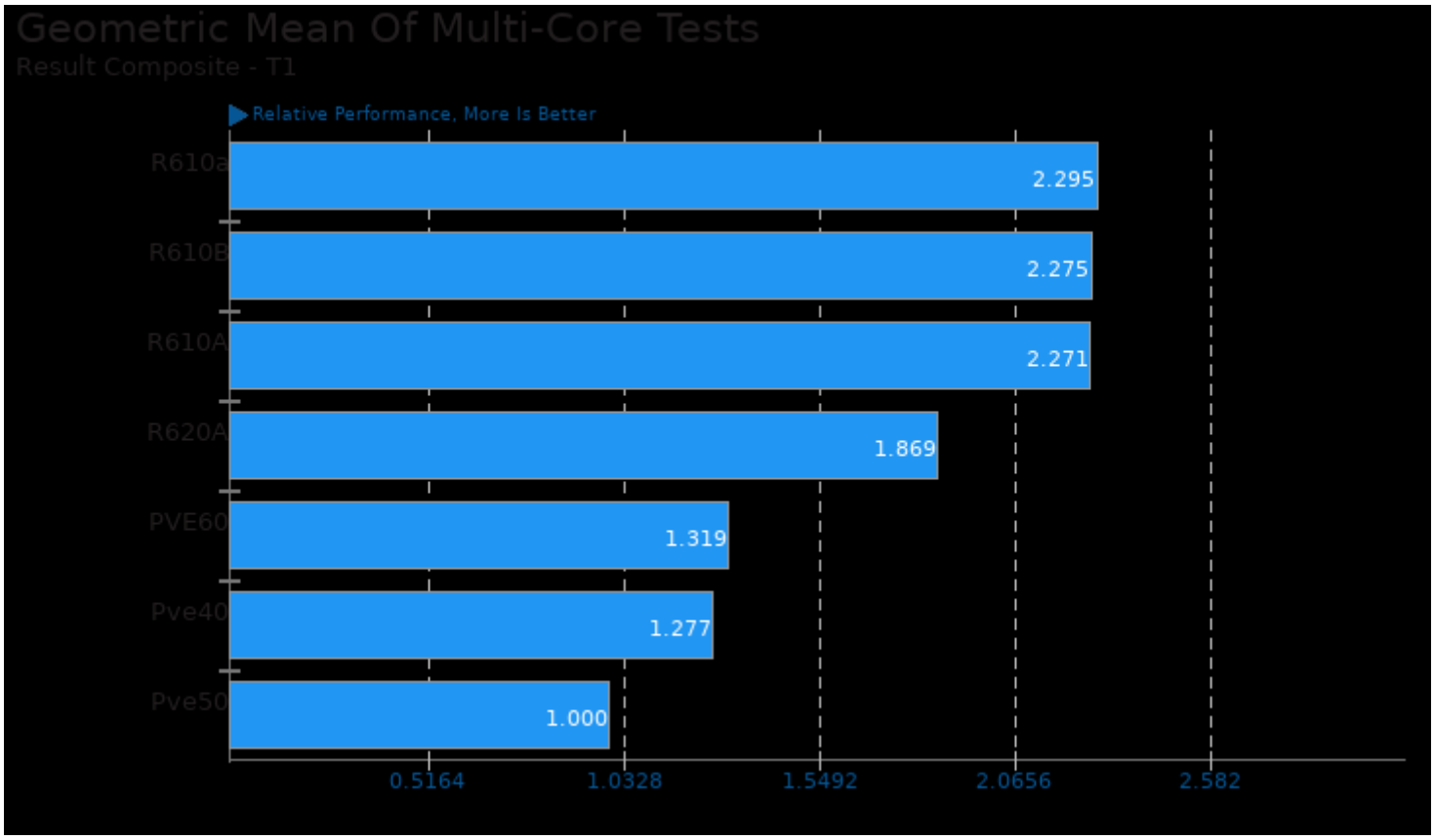
These geometric means are based upon test groupings / test suites for this result file.



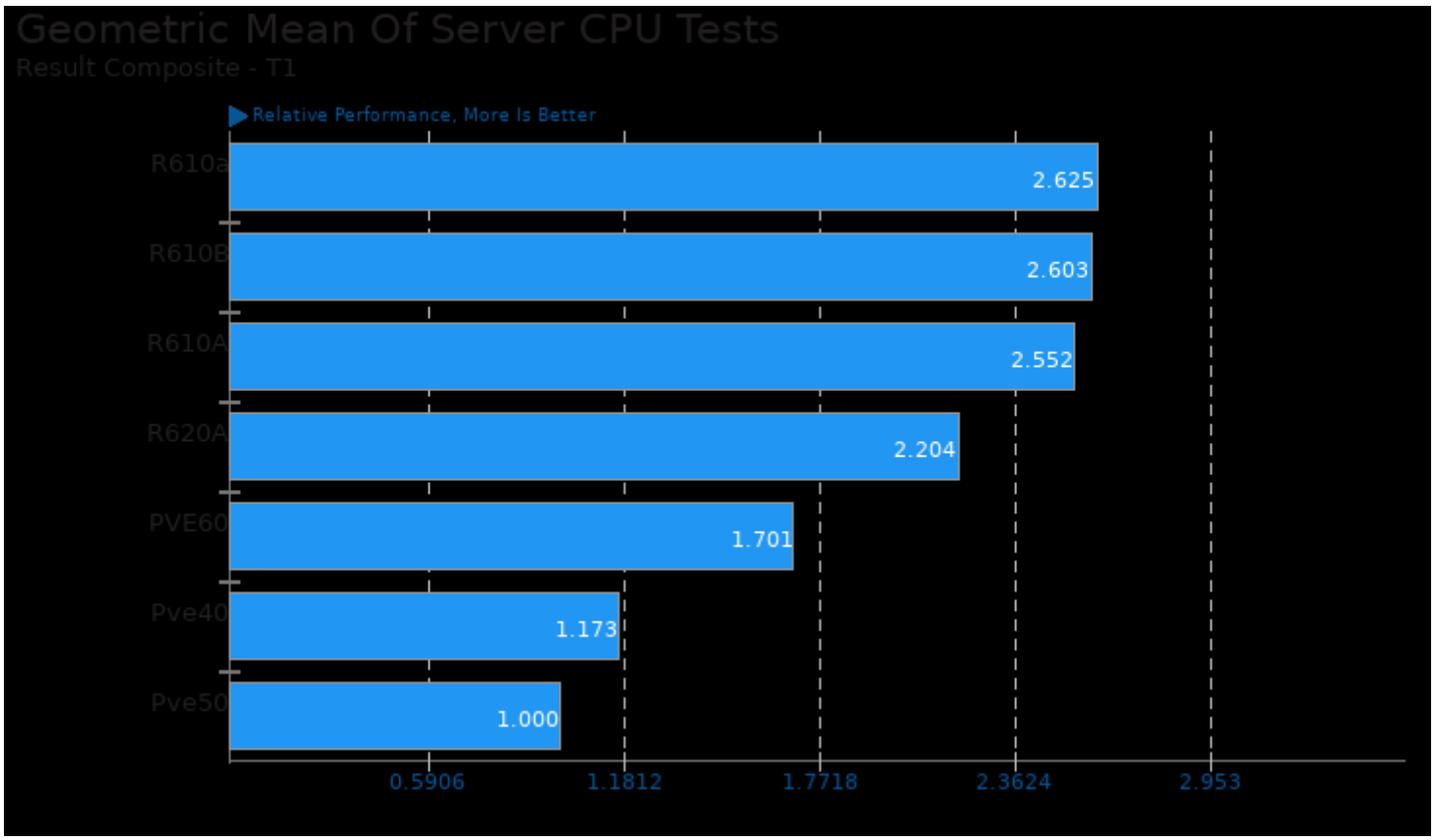

Geometric mean based upon tests: pts/scimark2, pts/build-php and pts/compress-7zip



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



# T1

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 16:51.*