



asusram

testing ram

Test Systems:

asus-ram-test

asusramavergae-floating

Processor: 2 x Intel Xeon Gold 6244 @ 4.40GHz (16 Cores / 32 Threads), Motherboard: ASUS Z11PP-D24 (6602 BIOS), Chipset: Intel Sky Lake-E DMI3 Registers, Memory: 192GB, Disk: 2 x 6001GB HGST HUS726T6TAL + 480GB ATP SATA III M.2, Graphics: ASPEED, Monitor: L1953TR, Network: 2 x Intel I350

OS: Ubuntu 20.04, Kernel: 5.4.0-120-generic (x86_64), Vulkan: 1.1.182, Compiler: GCC 9.4.0, File-System: ext4, Screen Resolution: 1280x1024

Kernel Notes: Transparent Huge Pages: madvise

Compiler Notes: --build=x86_64-linux-gnu --disable-vtable-verify --disable-werror --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-gnu-unique-object --enable-languages=c,ada,c++,go,brig,d,fortran,objc,obj-c++,gm2 --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch

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--enable-multilib --enable-nls --enable-objc-gc=auto --enable-offload-targets=nvptx-none=/build/gcc-9-Av3uEd/gcc-9-9.4.0/debian/tmp-nvptx/usr,hsa --enable-plugin
--enable-shared --enable-threads=posix --host=x86_64-linux-gnu --program-prefix=x86_64-linux-gnu- --target=x86_64-linux-gnu --with-abi=m64 --with-arch-32=i686
--with-default-libstdcxx-abi=new --with-gcc-major-version-only --with-multilib-list=m32,m64,mx32 --with-target-system-zlib=auto --with-tune=generic --without-cuda-driver -v
Processor Notes: Scaling Governor: intel_pstate powersave (EPP: balance_performance) - CPU Microcode: 0x5003302
Security Notes: itlb_multihit: KVM: Mitigation of Split huge pages + l1tf: Not affected + mds: Not affected + meltdown: Not affected + mmio_stale_data: Mitigation of Clear
buffers; SMT vulnerable + spec_store_bypass: Mitigation of SSB disabled via prctl and seccomp + spectre_v1: Mitigation of usercopy/swaps barriers and __user pointer
sanitization + spectre_v2: Mitigation of Enhanced IBRS IBPB: conditional RSB filling + srbds: Not affected + tsx_async_abort: Mitigation of TSX disabled
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	asus-ram-test	asusramavergae-floating
RAMspeed SMP - Add - Integer (MB/s)	30350	
Standard Deviation	0.3%	
RAMspeed SMP - Copy - Integer (MB/s)	29740	
Standard Deviation	0.4%	
RAMspeed SMP - Scale - Integer (MB/s)	24582	
Standard Deviation	0.6%	
RAMspeed SMP - Triad - Integer (MB/s)	30482	
Standard Deviation	0.4%	
RAMspeed SMP - Average - Integer (MB/s)	29016	
Standard Deviation	0.5%	
RAMspeed SMP - Add - Floating Point (MB/s)	25942	
Standard Deviation	0.3%	
RAMspeed SMP - Copy - Floating Point (MB/s)	29943	
Standard Deviation	0.1%	
RAMspeed SMP - Scale - Floating Point (MB/s)	22874	
Standard Deviation	0.1%	
RAMspeed SMP - Average - Floating Point (MB/s)		27384
Standard Deviation		0.2%

RAMspeed SMP 3.5.0

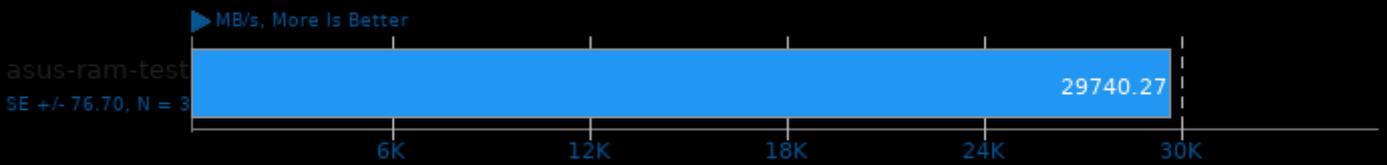
Type: Add - Benchmark: Integer



1. (C) gcc options: -O3 -march=native

RAMspeed SMP 3.5.0

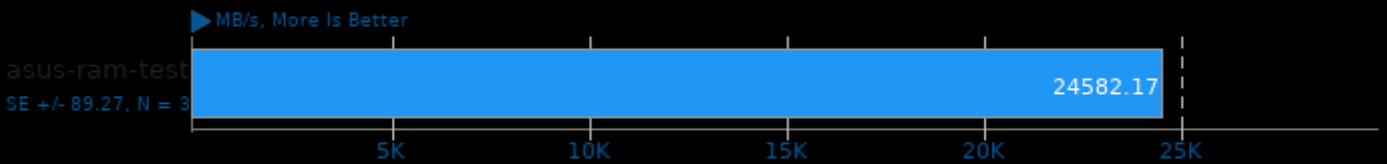
Type: Copy - Benchmark: Integer



1. (C) gcc options: -O3 -march=native

RAMspeed SMP 3.5.0

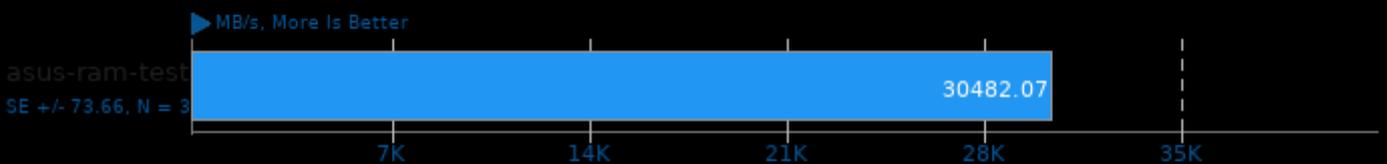
Type: Scale - Benchmark: Integer



1. (C) gcc options: -O3 -march=native

RAMspeed SMP 3.5.0

Type: Triad - Benchmark: Integer



1. (C) gcc options: -O3 -march=native

RAMspeed SMP 3.5.0

Type: Average - Benchmark: Integer



1. (C) gcc options: -O3 -march=native

RAMspeed SMP 3.5.0

Type: Add - Benchmark: Floating Point



1. (CO) gcc options: -O3 -march=native

RAMspeed SMP 3.5.0

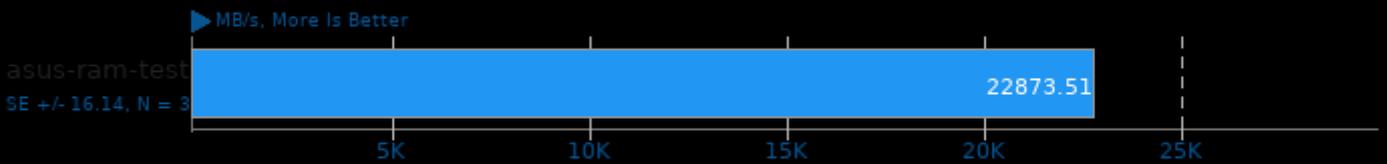
Type: Copy - Benchmark: Floating Point



1. (CO) gcc options: -O3 -march=native

RAMspeed SMP 3.5.0

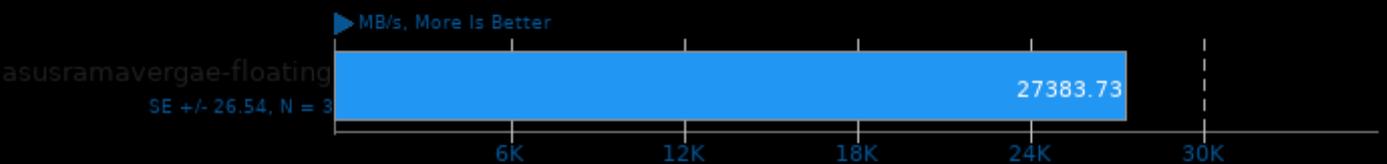
Type: Scale - Benchmark: Floating Point



1. (CO) gcc options: -O3 -march=native

RAMspeed SMP 3.5.0

Type: Average - Benchmark: Floating Point



1. (CO) gcc options: -O3 -march=native

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