



j8scimark2

Intel Core i5-3320M testing with a LENOVO 23259S9 (G2ET82WW 2.02 BIOS) and Intel Ivybridge Mobile 2GB on Debian 10 via the Phoronix Test Suite.

Automated Executive Summary

myjdk8lenu had the most wins, coming in first place for 83% of the tests.

Based on the geometric mean of all complete results, the fastest (myjdk8lenu) was 1.165x the speed of the slowest (openjdk8).

Test Systems:

openjdk8

Processor: QEMU Virtual (1 Core), Motherboard: Red Hat KVM (0.5.1 BIOS), Chipset: Intel 440FX 82441FX PMC, Memory: 495MB, Disk: 12GB QEMU HDD, Graphics: Cirrus Logic GD 5446, Network: Red Hat Virtio device

OS: CentOS Linux 7, Kernel: 5.3.6-1.el7.elrepo.x86_64 (x86_64), Compiler: GCC 4.8.5 20150623, File-System: ext4, Screen Resolution: 1024x768, System Layer: KVM QEMU

Compiler Notes: --build=x86_64-redhat-linux --disable-libgjcj --disable-libunwind-exceptions --enable-__cxa_atexit --enable-bootstrap --enable-checking=release --enable-gnu-indirect-function --enable-gnu-unique-object --enable-initfini-array --enable-languages=c,c++,objc,obj-c++,java,fortran,ada,go,lto --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-arch_32=x86-64 --with-linker-hash-style=gnu --with-tune=generic
Security Notes: l1tf: Mitigation of PTE Inversion + mds: Vulnerable: Clear buffers attempted no microcode; SMT Host state unknown + meltdown: Mitigation of PTI + spec_store_bypass: Vulnerable + spectre_v1: Mitigation of usercopy/swappgs barriers and __user pointer sanitization + spectre_v2: Mitigation of Full generic retpoline STIBP: disabled RSB filling

myjdk8lenu

Processor: Intel Core i5-3320M @ 3.30GHz (2 Cores / 4 Threads), Motherboard: LENOVO 23259S9 (G2ET82WW 2.02 BIOS), Chipset: Intel 3rd Gen Core DRAM, Memory: 16GB, Disk: 480GB SanDisk SSD PLUS, Graphics: Intel Ivybridge Mobile 2GB (1200MHz), Audio: Realtek ALC269VC, Monitor: DELL E2214H, Network: Intel 82579LM + Intel Centrino Advanced-N 6205

OS: Debian 10, Kernel: 4.19.0-13-amd64 (x86_64), Desktop: KDE Plasma 5.14.5, Display Server: X Server 1.20.4, Display Driver: modesetting 1.20.4, OpenGL: 4.2 Mesa 18.3.6, Vulkan: 1.1.90, Compiler: GCC 8.3.0, File-System: ext4, Screen Resolution: 1920x1848

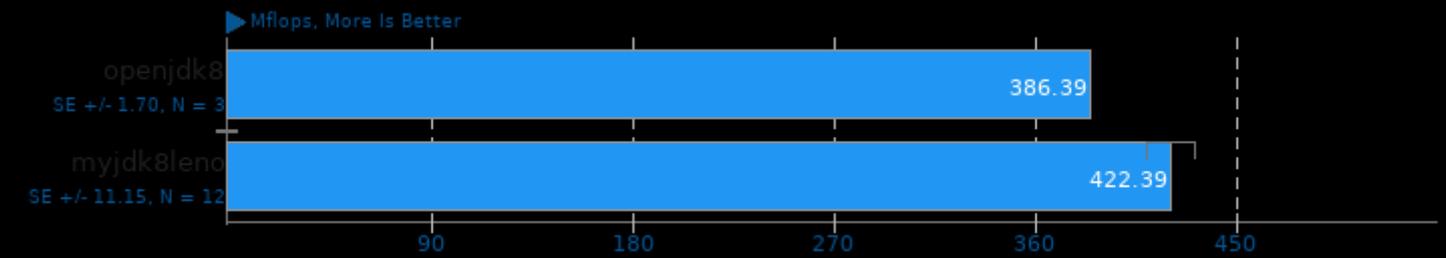
Compiler Notes: --build=x86_64-linux-gnu --disable-vtable-verify --disable-werror --enable-bootstrap --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-gnu-unique-object --enable-languages=c,ada,c++,go,brig,d,fortran,objc,obj-c++ --enable-libmpx --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc=auto --enable-offload-targets=nvptx-none --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 --with-tune=generic --without-cuda-driver -v
Processor Notes: Scaling Governor: intel_pstate powersave - CPU Microcode: 0x13

Security Notes: itlb_multihit: KVM: Mitigation of Split huge pages + l1tf: Mitigation of PTE Inversion; VMX: conditional cache flushes SMT vulnerable + mds: Vulnerable: Clear buffers attempted no microcode; SMT vulnerable + meltdown: Mitigation of PTI + spec_store_bypass: Vulnerable + spectre_v1: Mitigation of usercopy/swappgs barriers and __user pointer sanitization + spectre_v2: Mitigation of Full generic retpoline STIBP: disabled RSB filling + srbsds: Vulnerable: No microcode + tsx_async_abort: Not affected

	openjdk8	myjdk8lenu
SciMark - Composite (Mflops)	386.39	422.39
Normalized	91.48%	100%
Standard Deviation	0.8%	9.1%
SciMark - Monte Carlo (Mflops)	76.48	107.86
Normalized	70.91%	100%
Standard Deviation	0.6%	4%
SciMark - F.F.T (Mflops)	129.77	121.99
Normalized	100%	94%
Standard Deviation	3.8%	5.6%
SciMark - S.M.M (Mflops)	401.58	497.99
Normalized	80.64%	100%
Standard Deviation	0.7%	6.1%
SciMark - D.L.M.F (Mflops)	529.81	636.44
Normalized	83.25%	100%
Standard Deviation	0.6%	7%
SciMark - J.S.O.R (Mflops)	794.31	917.54
Normalized	86.57%	100%
Standard Deviation	0.9%	4.8%

SciMark 2.0

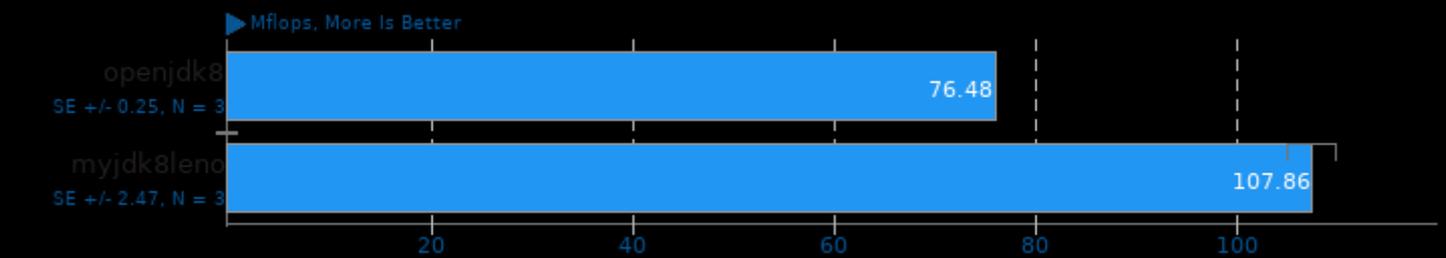
Computational Test: Composite



1. (CC) gcc options: -lm

SciMark 2.0

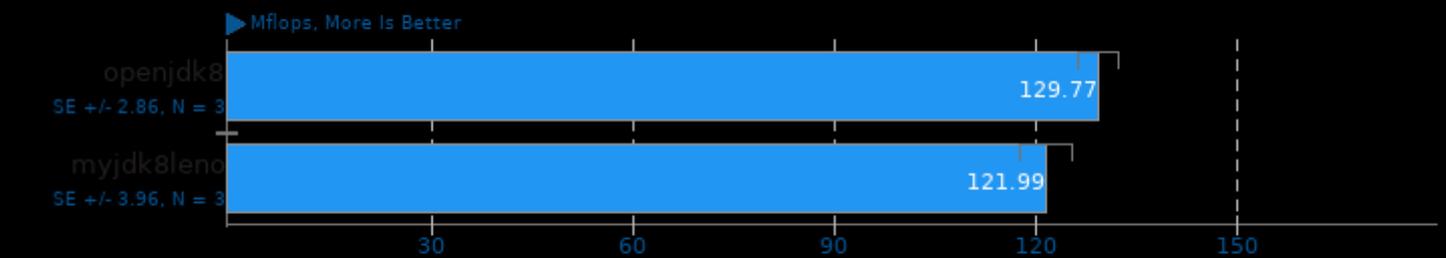
Computational Test: Monte Carlo



1. (CC) gcc options: -lm

SciMark 2.0

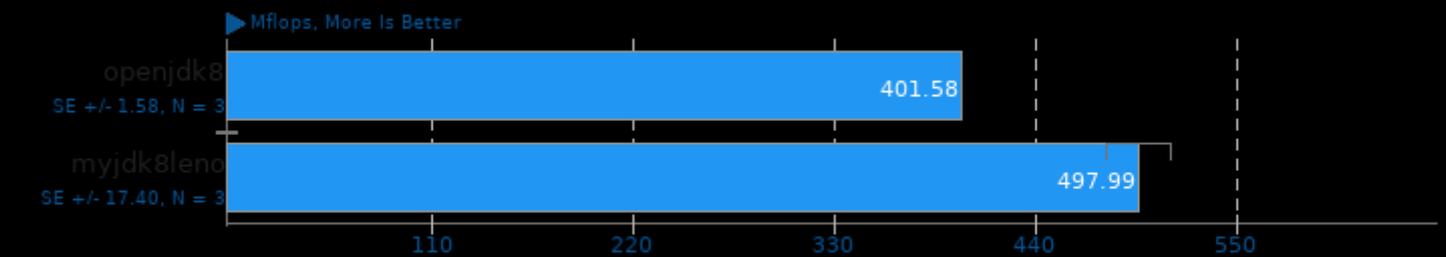
Computational Test: Fast Fourier Transform



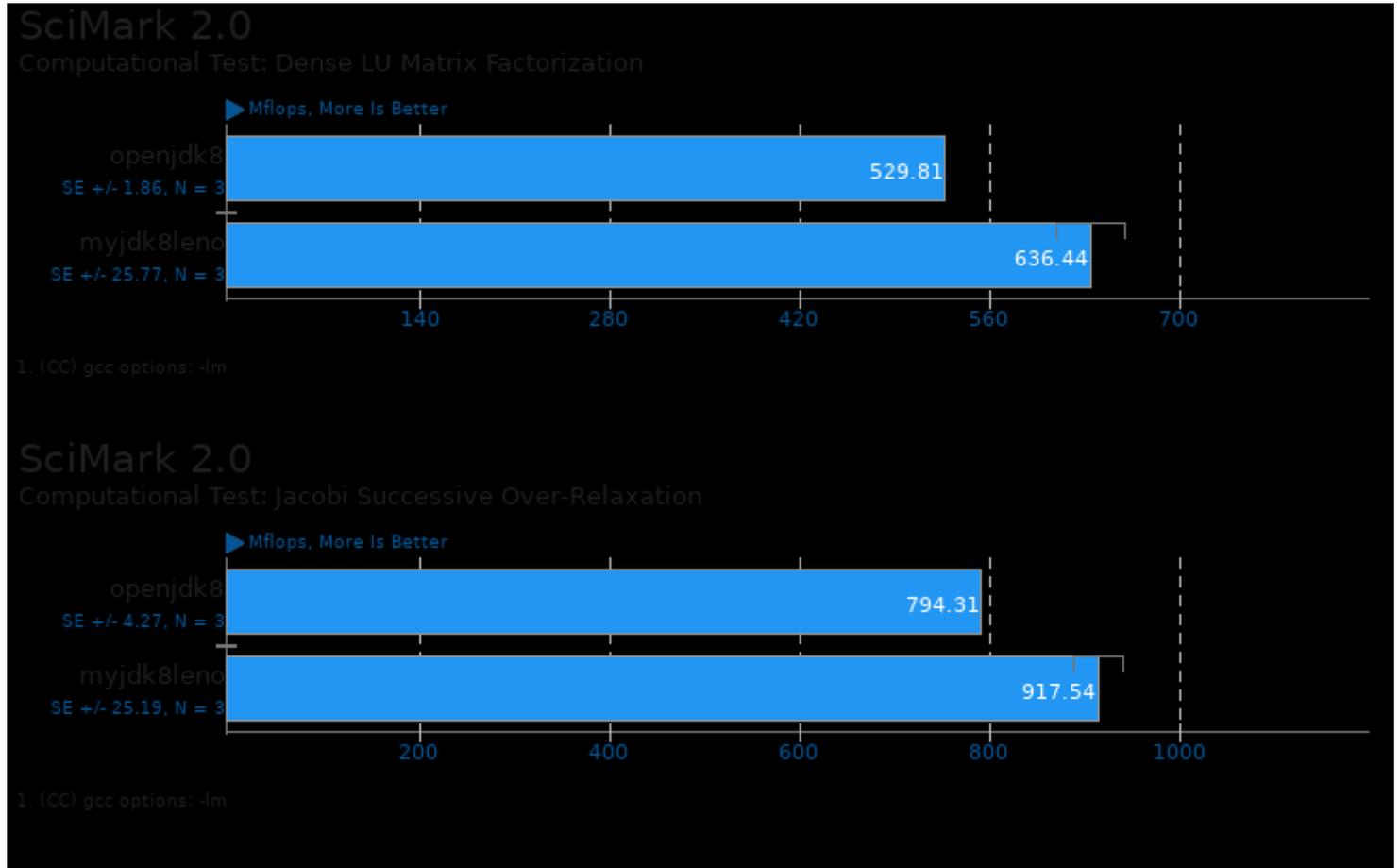
1. (CC) gcc options: -lm

SciMark 2.0

Computational Test: Sparse Matrix Multiply



1. (CC) gcc options: -lm



This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 09:10.