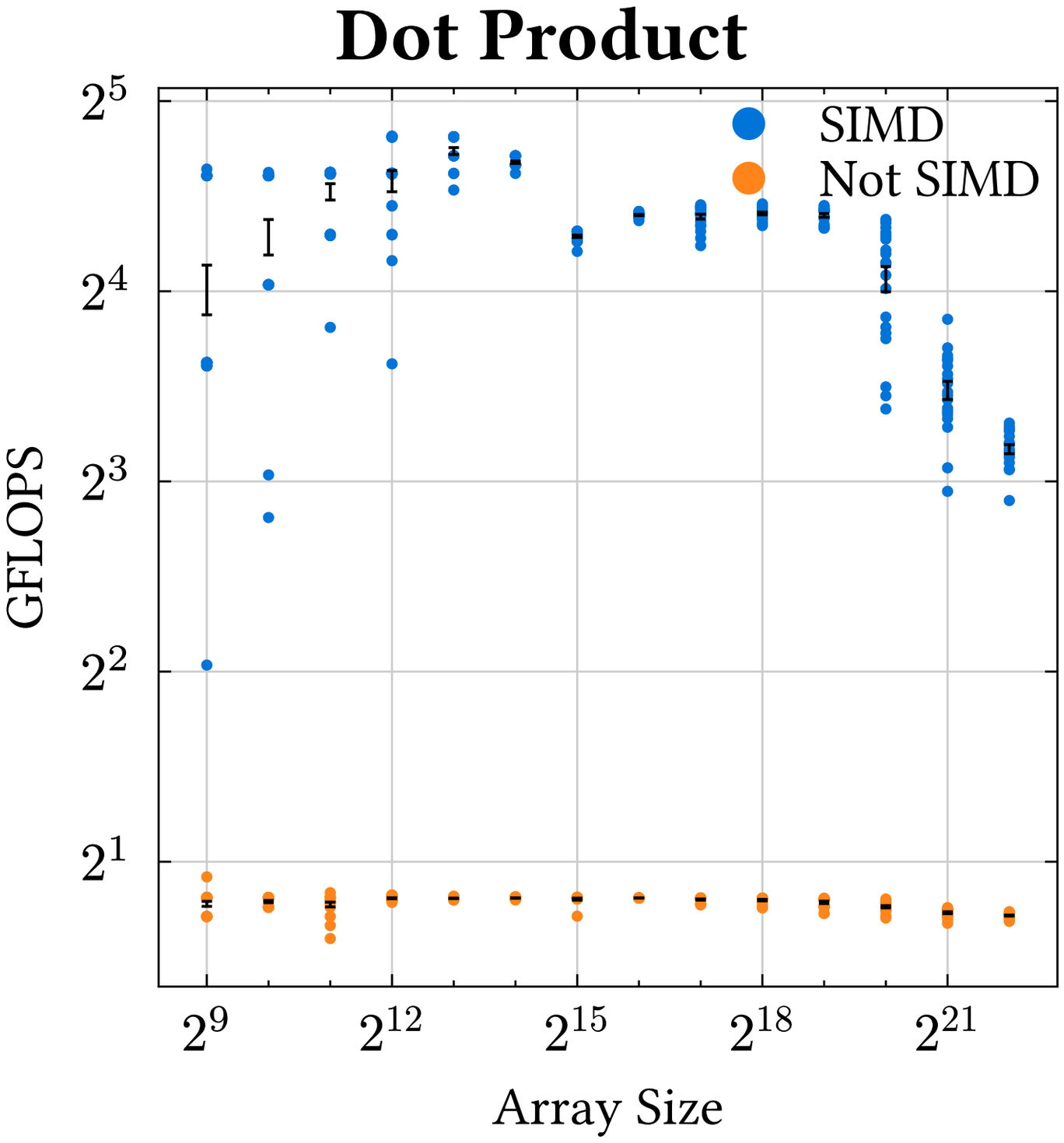
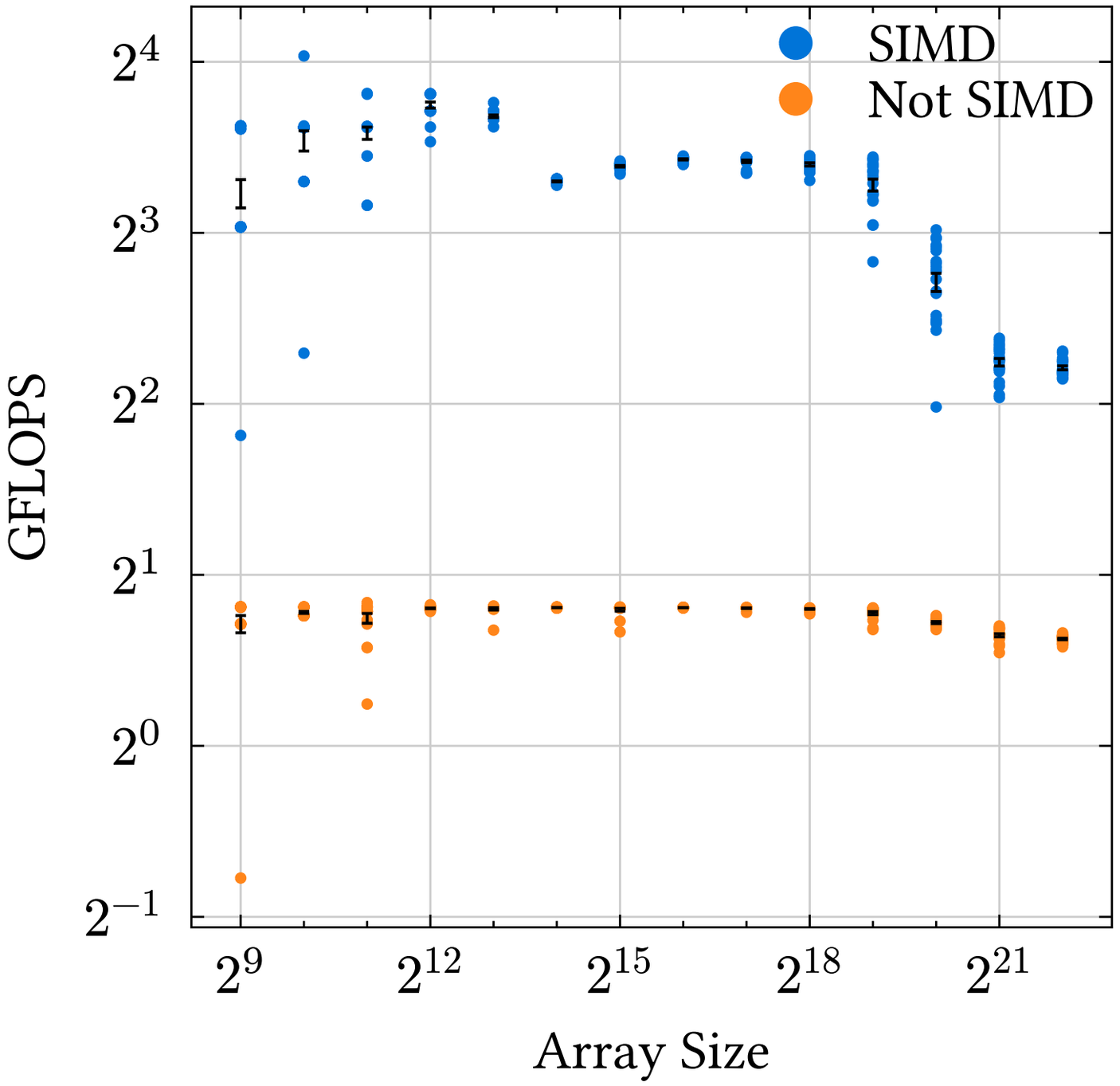


With SIMD: GFLOPS = (arraySize) * (-3.5168e-6)

Without SIMD: GFLOPS = (arraySize) * (-2.5304e-8)

Speedup: 0.007195137393613602

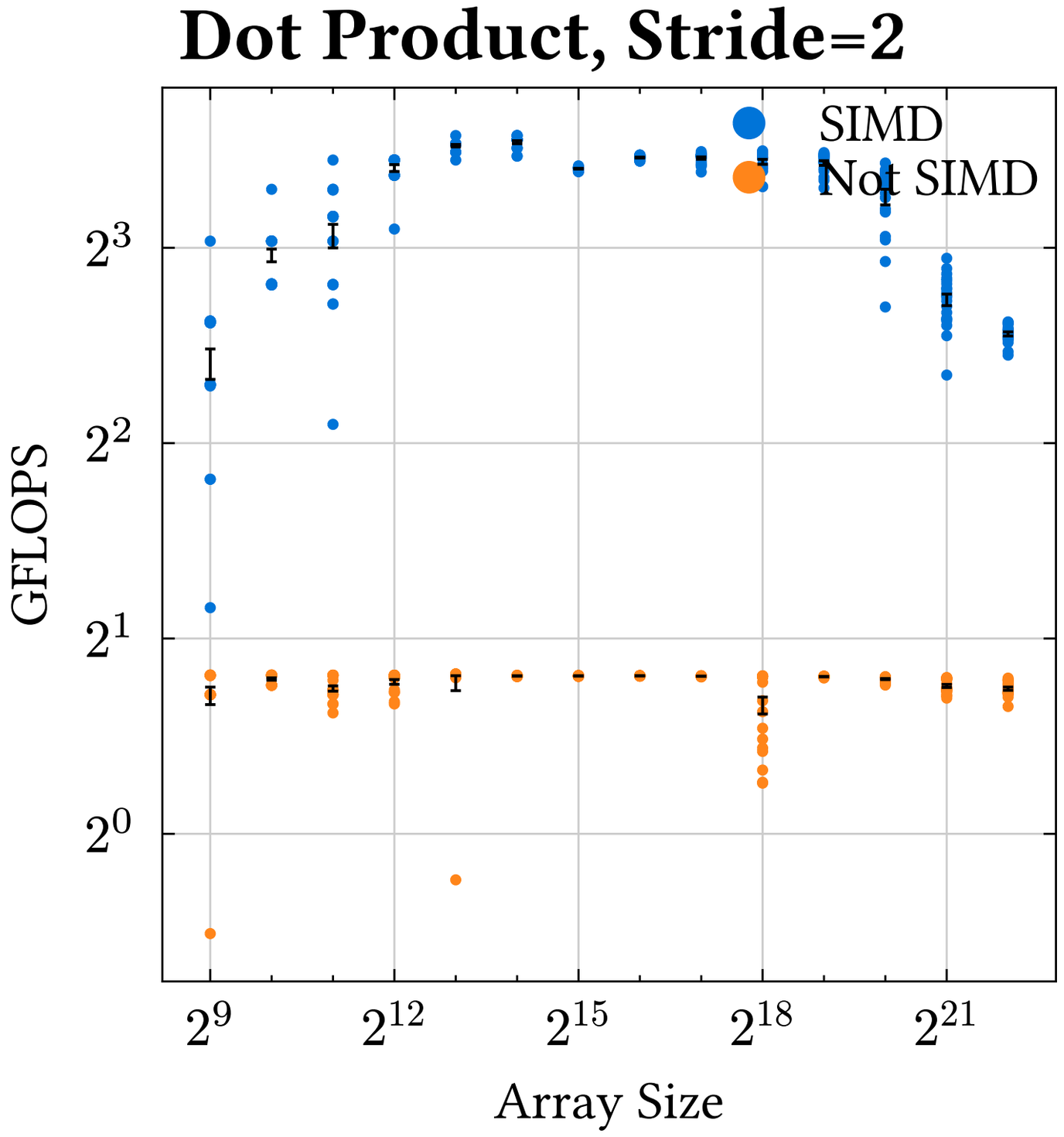
Dot Product, Double



With SIMD: GFLOPS = (arraySize) * (-1.9446e-6)

Without SIMD: GFLOPS = (arraySize) * (-4.8848e-8)

Speedup: 0.025120004816592 07

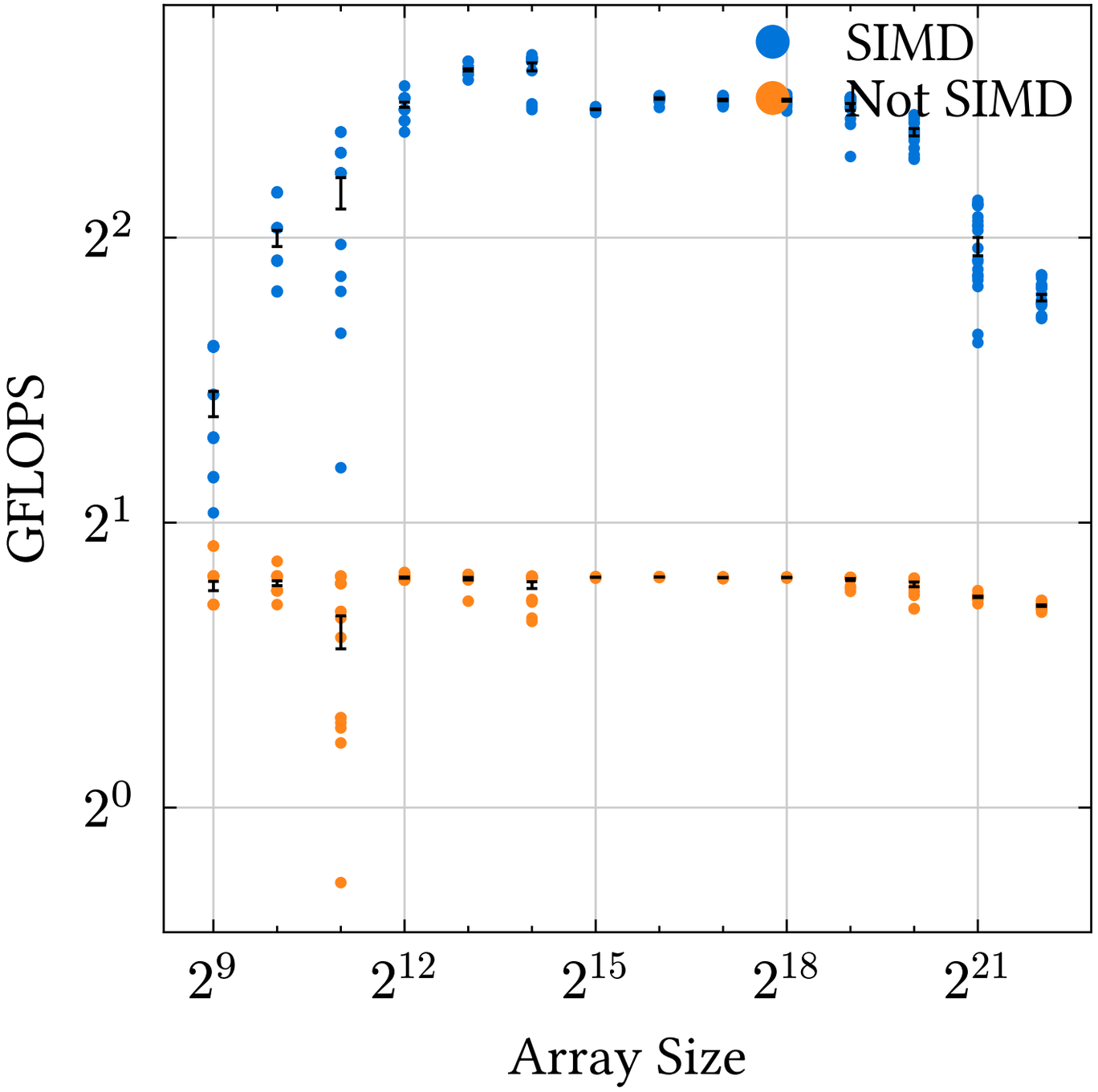


With SIMD: GFLOPS = (arraySize) * (-1.0029e-6)

Without SIMD: GFLOPS = (arraySize) * (-7.2542e-9)

Speedup: 0.0072335718893315 01

Dot Product, Stride=4

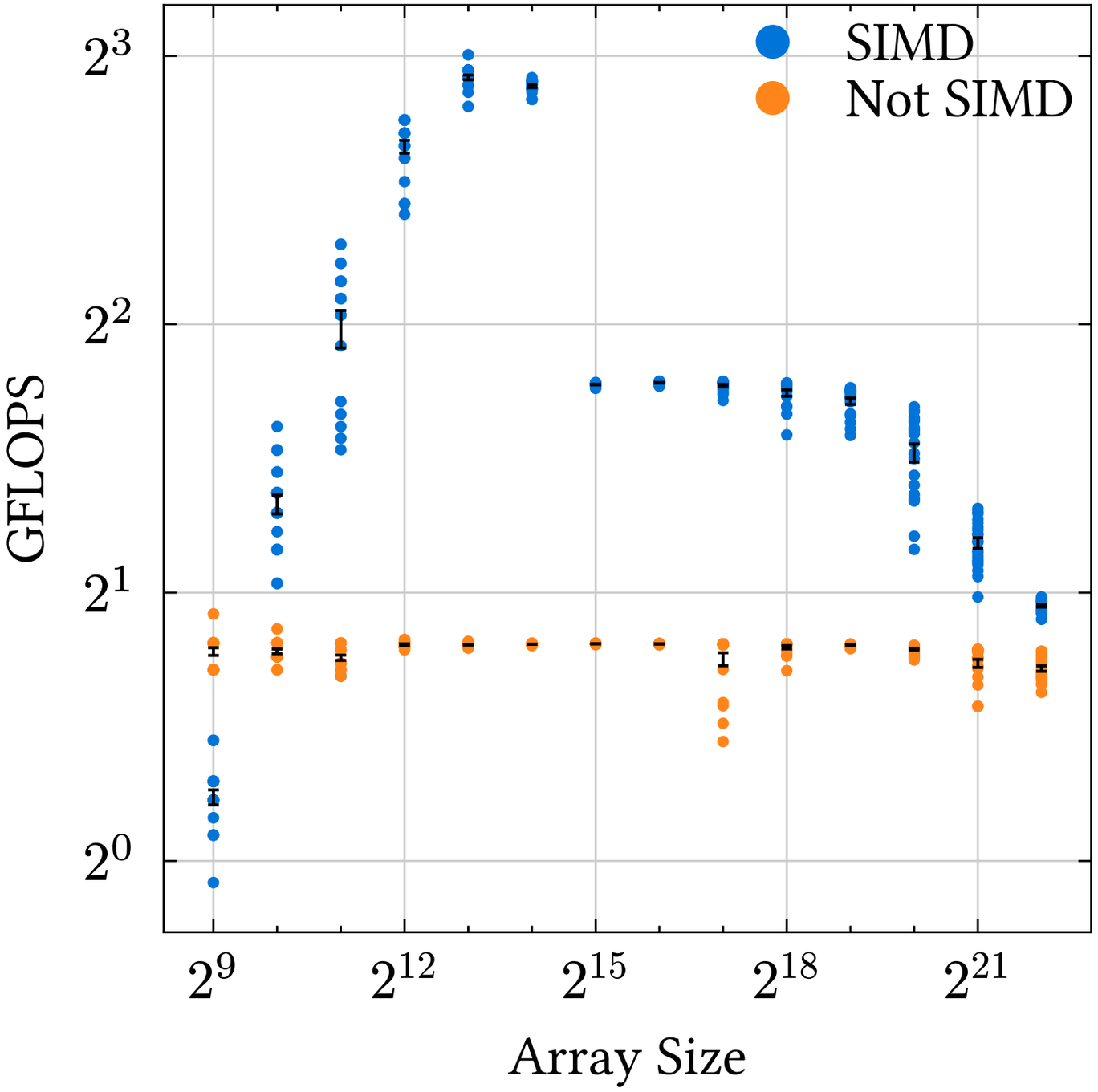


With SIMD: GFLOPS = (arraySize) * (-4.0462e-7)

Without SIMD: GFLOPS = (arraySize) * (-1.8823e-8)

Speedup: 0.046520520577468936

Dot Product, Stride=8

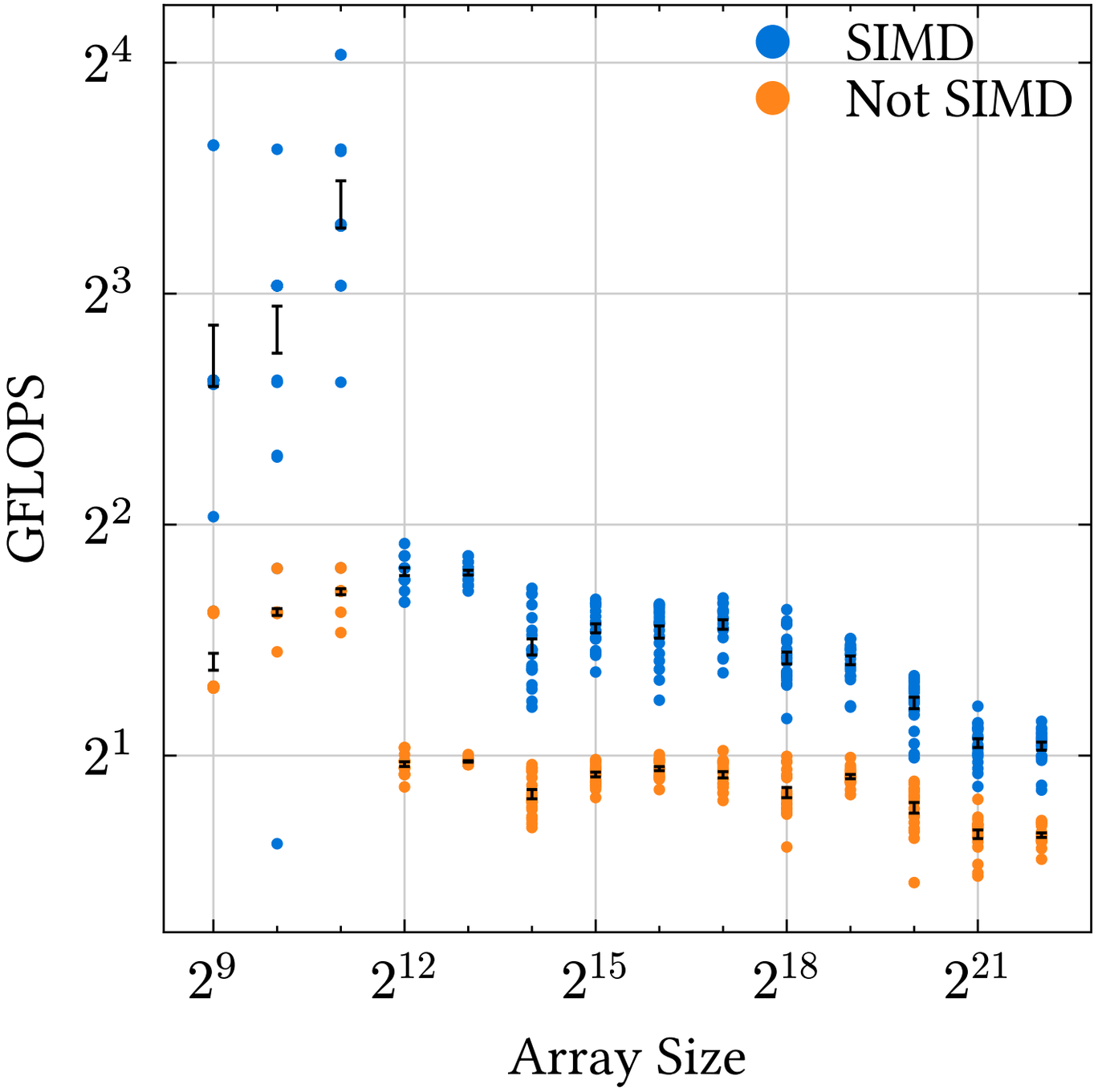


With SIMD: $\text{GFLOPS} = (\text{arraySize}) * (\text{-6.7145e-7})$

Without SIMD: $\text{GFLOPS} = (\text{arraySize}) * (\text{-2.2043e-8})$

Speedup: 0.032828992466291 74

Elementwise Multiply

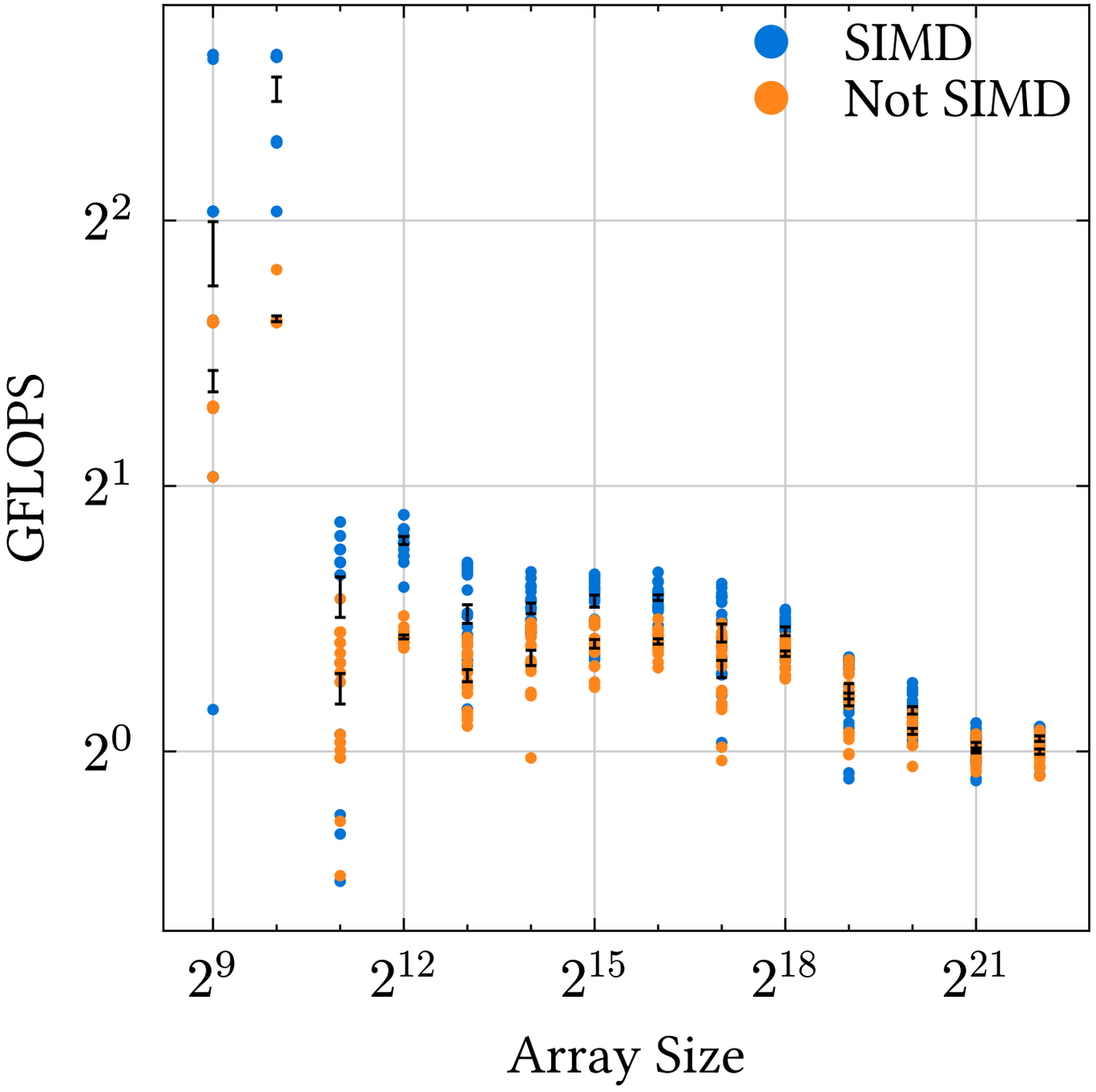


With SIMD: GFLOPS = (arraySize) * (-8.0610e-7)

Without SIMD: GFLOPS = (arraySize) * (-1.9789e-7)

Speedup: 0.24549133693134406

Elementwise Multiply, Double

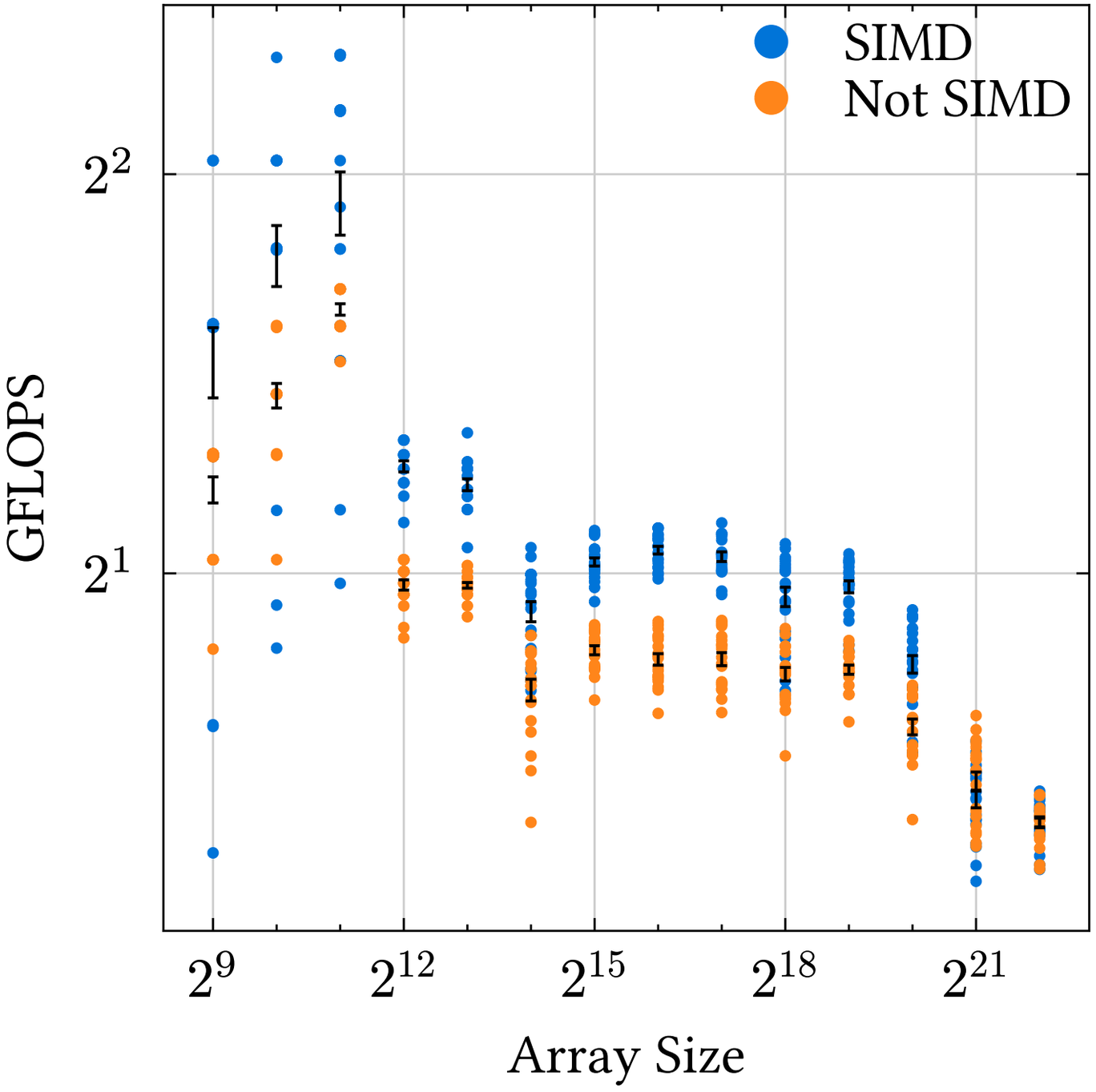


With SIMD: GFLOPS = (arraySize) * (-3.3997e-7)

Without SIMD: GFLOPS = (arraySize) * (-1.8053e-7)

Speedup: 0.531028077681208

Elementwise Multiply, Stride=2

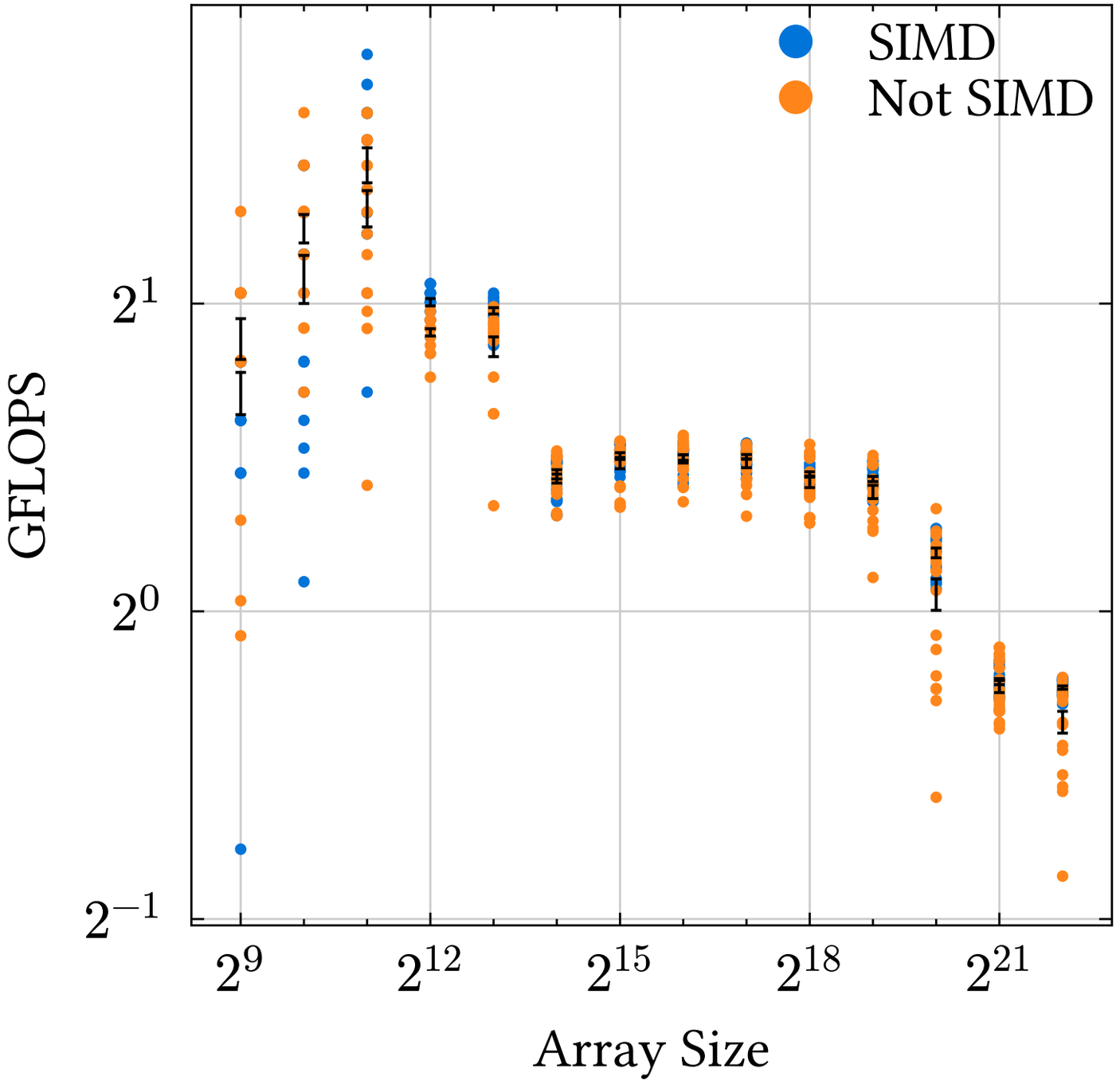


With SIMD: GFLOPS = (arraySize) * (-3.6157e-7)

Without SIMD: GFLOPS = (arraySize) * (-2.1926e-7)

Speedup: 0.6064255260088997

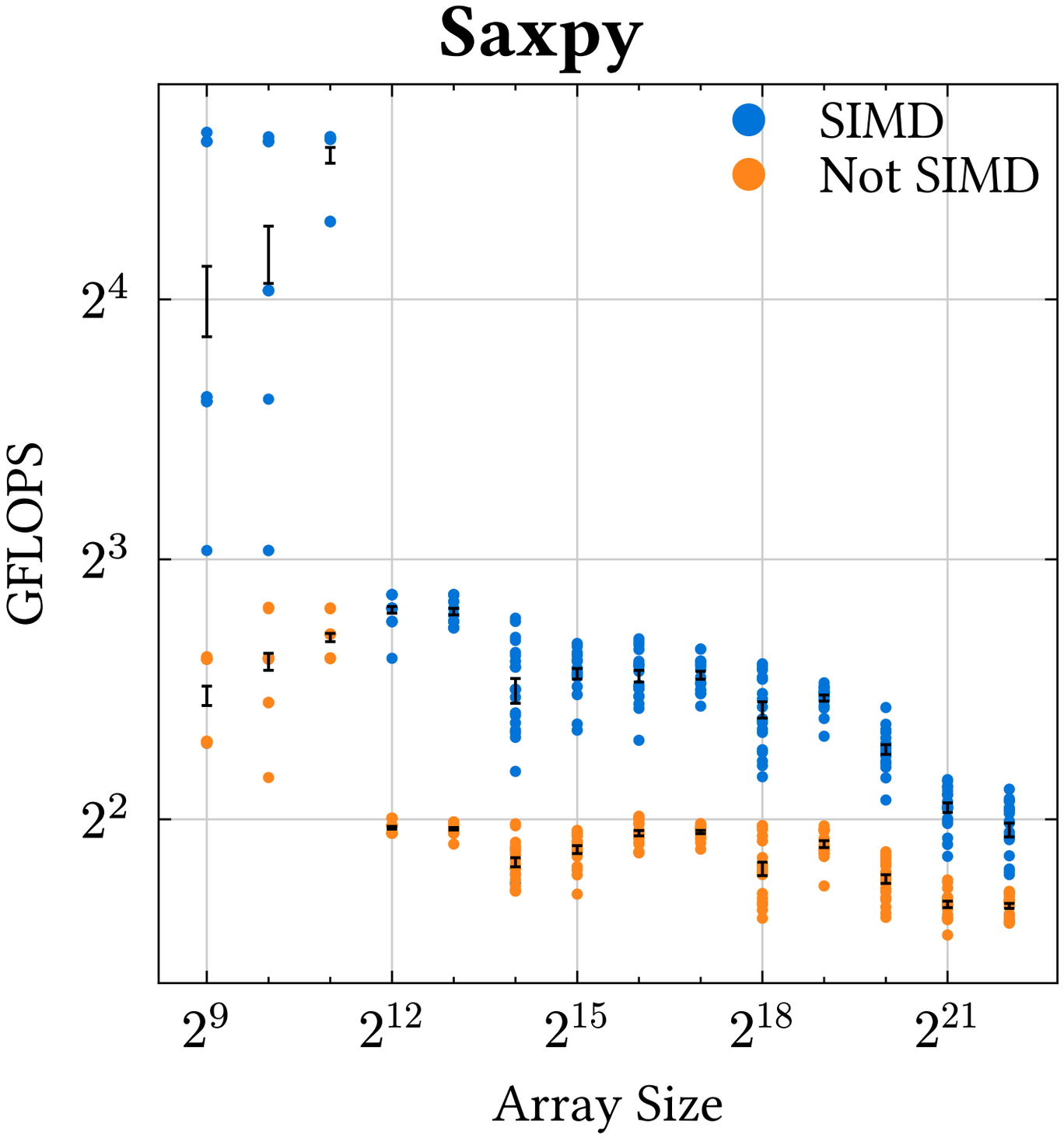
Elementwise Multiply, Stride=4



With SIMD: GFLOPS = (arraySize) * (-2.7003e-7)

Without SIMD: GFLOPS = (arraySize) * (-2.8580e-7)

Speedup: 1.0584050490901047

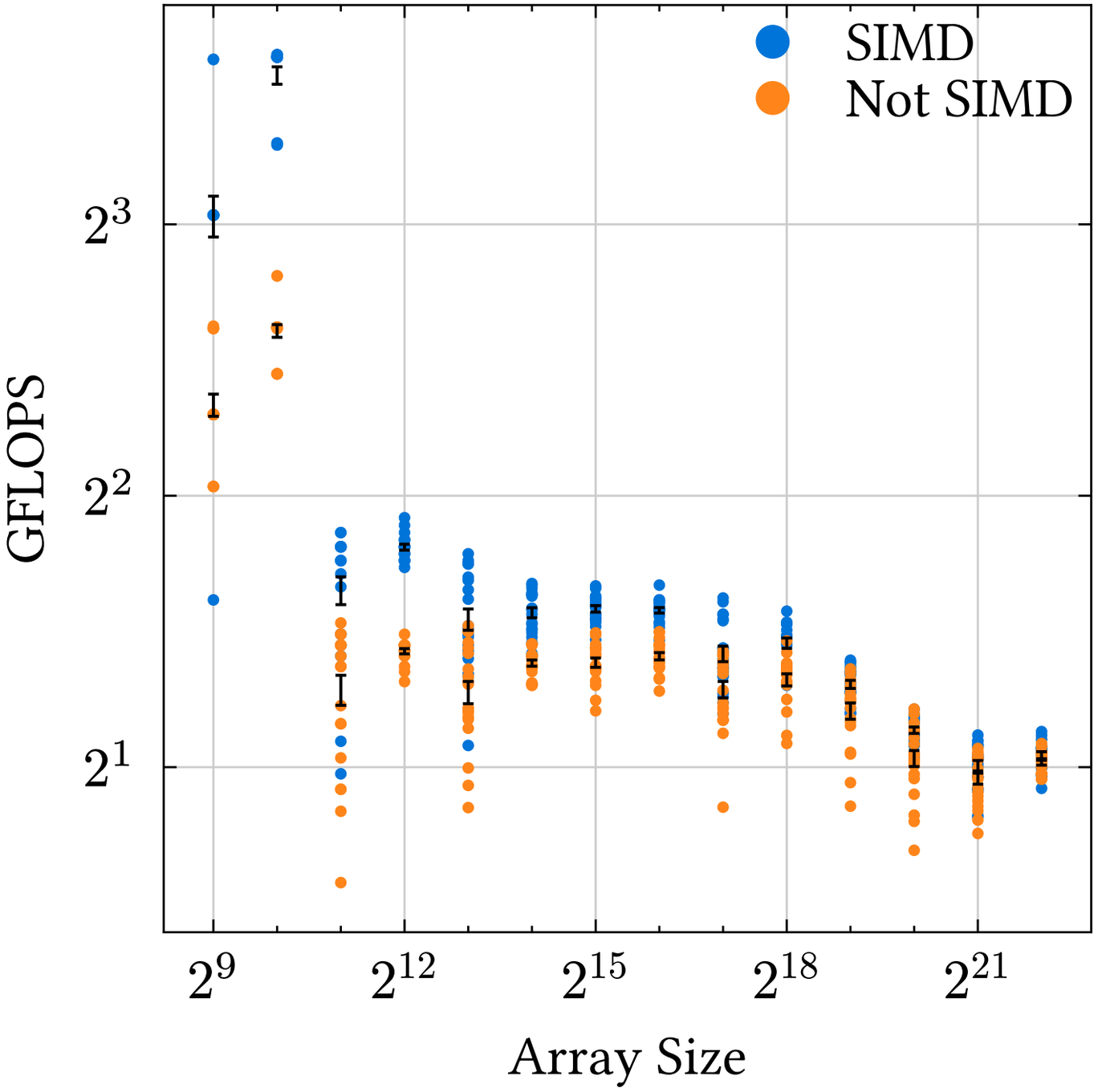


With SIMD: GFLOPS = (arraySize) * (-1.9215e-6)

Without SIMD: GFLOPS = (arraySize) * (-3.8752e-7)

Speedup: 0.20167084981711308

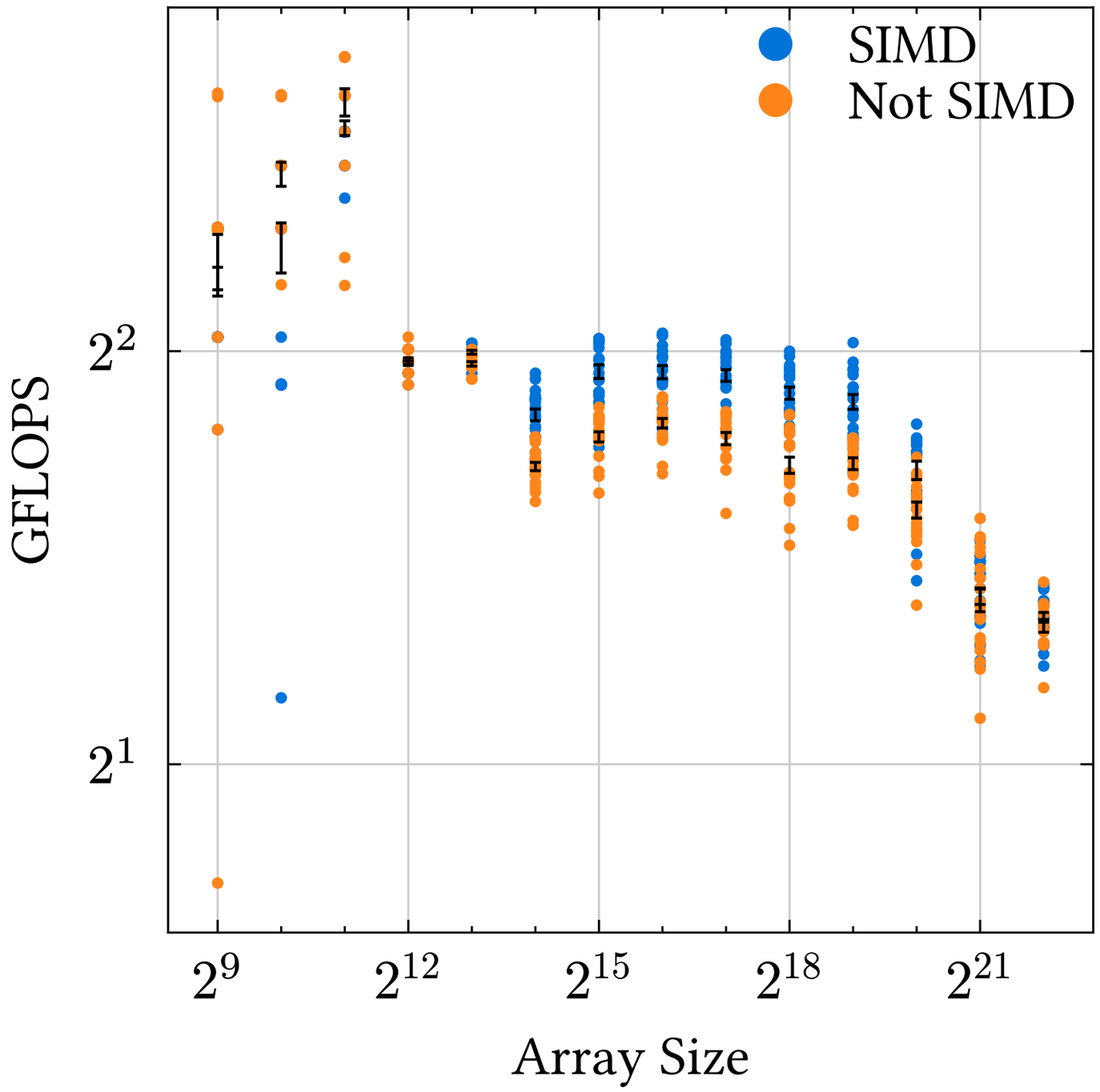
Saxpy, Double



With SIMD: $\text{GFLOPS} = (\text{arraySize}) * (\text{-7.1482e-7})$

Without SIMD: $\text{GFLOPS} = (\text{arraySize}) * (\text{-3.5839e-7})$

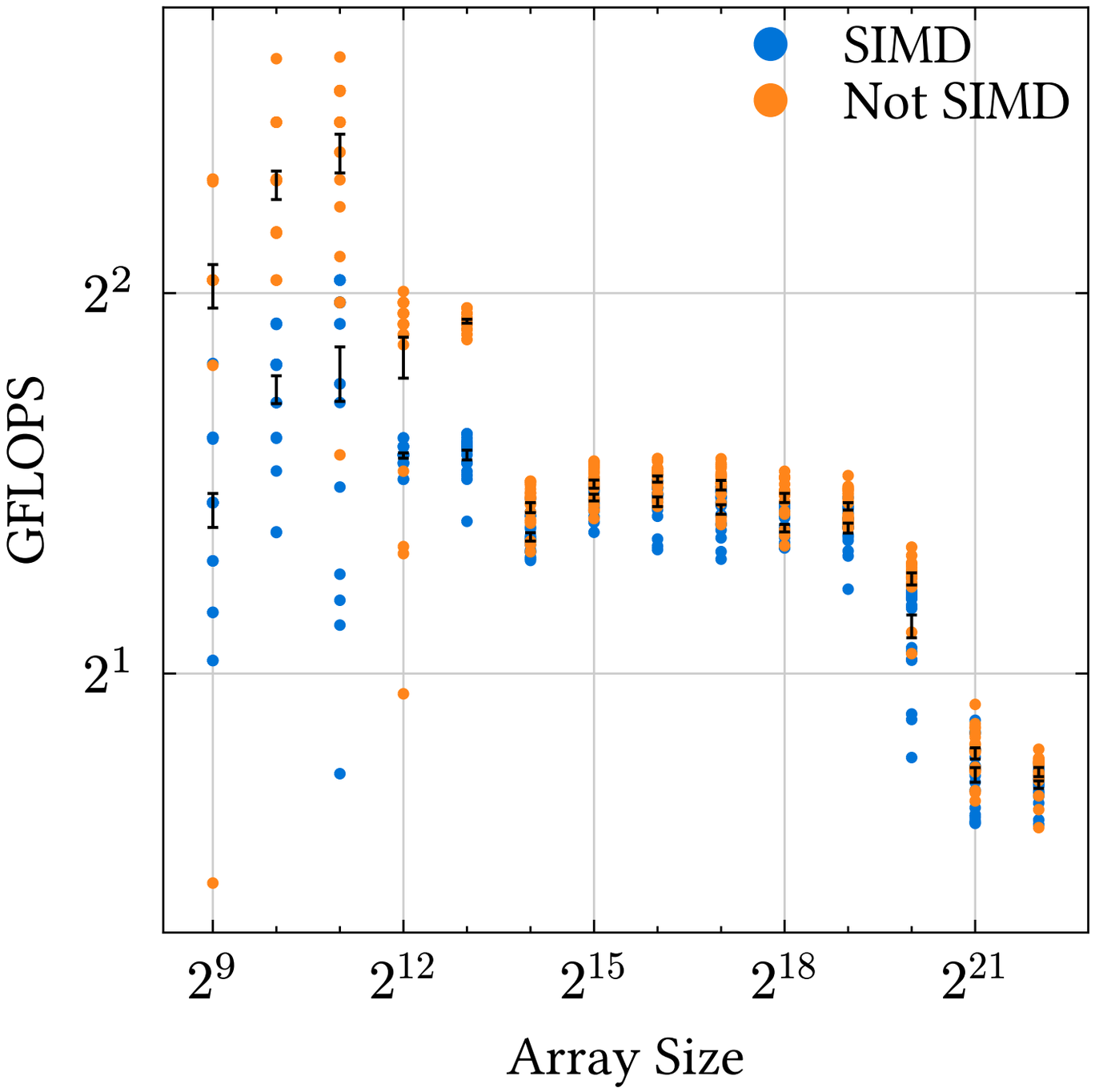
Speedup: 0.5013662308487927



With SIMD: GFLOPS = (arraySize) * (-4.7805e-7)

Without SIMD: GFLOPS = (arraySize) * (-5.0117e-7)

Speedup: 1.0483476971237662

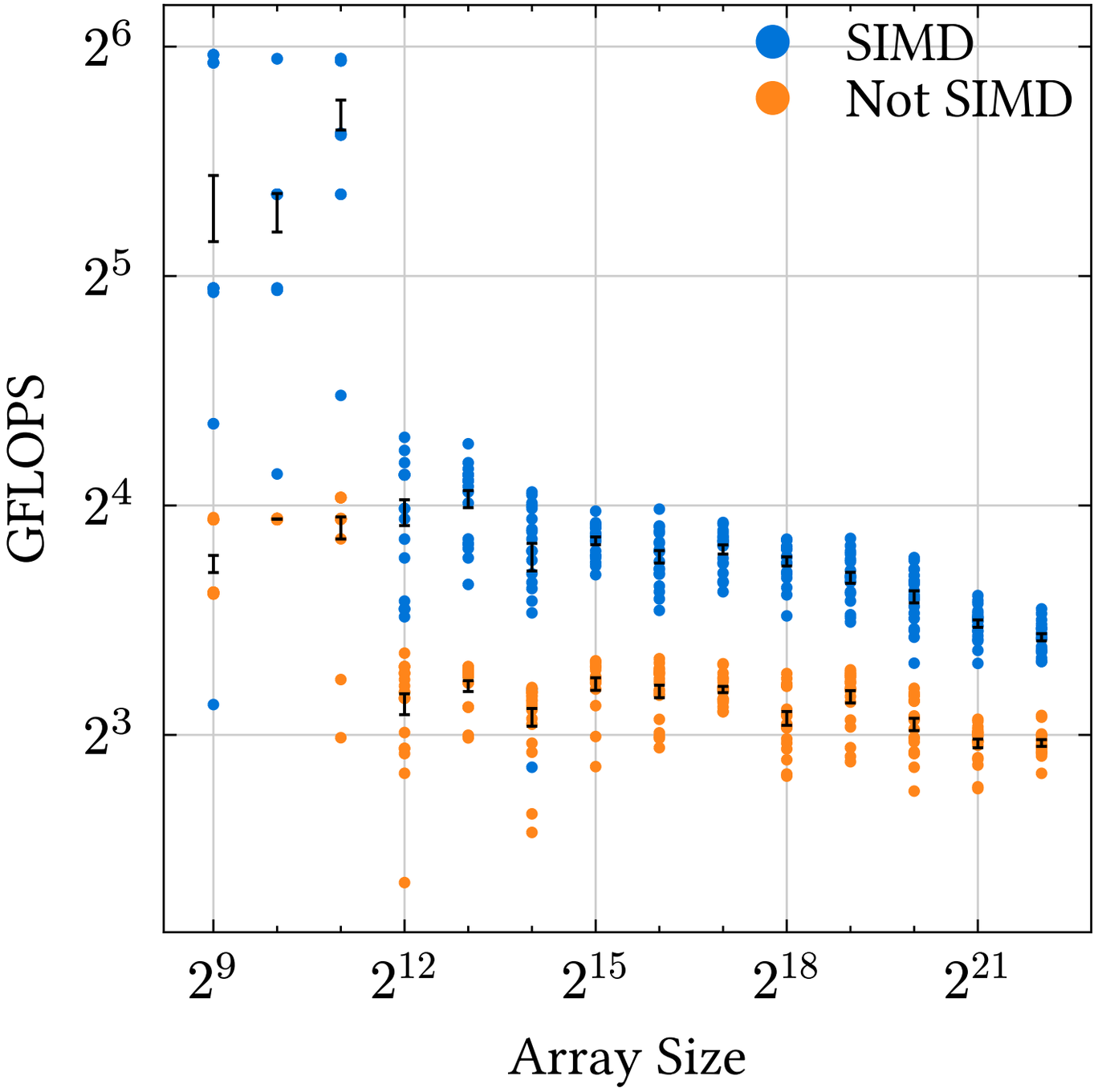


With SIMD: GFLOPS = (arraySize) * (-3.6732e-7)

Without SIMD: GFLOPS = (arraySize) * (-5.6756e-7)

Speedup: 1.5451334185192103

Stencil

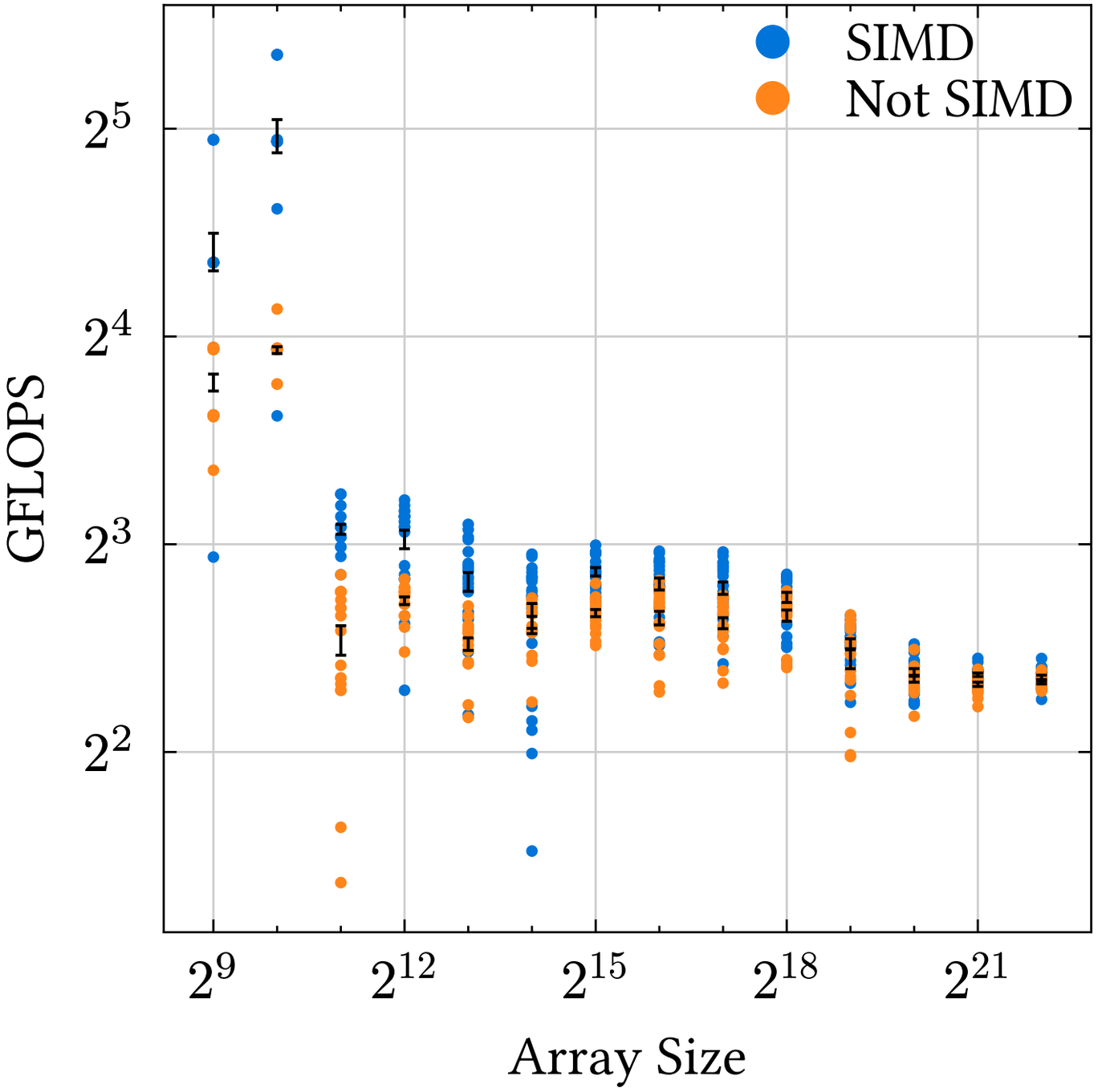


With SIMD: GFLOPS = (arraySize) * (-3.9973e-6)

Without SIMD: GFLOPS = (arraySize) * (-9.1172e-7)

Speedup: 0.22808256529103993

Stencil, Double

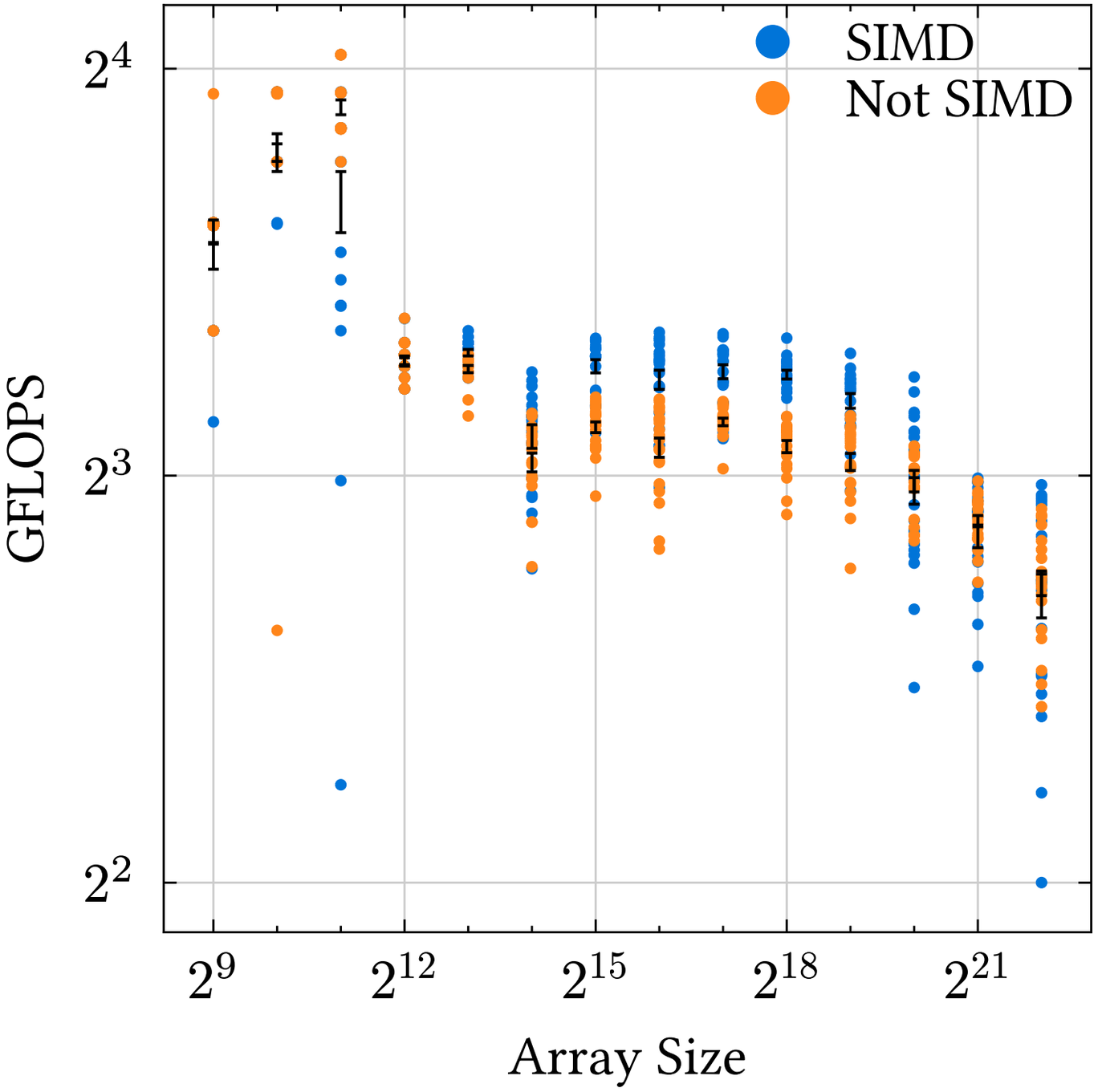


With SIMD: GFLOPS = (arraySize) * (-1.9146e-6)

Without SIMD: GFLOPS = (arraySize) * (-9.0548e-7)

Speedup: 0.4729446105046269 4

Stencil, Stride=2

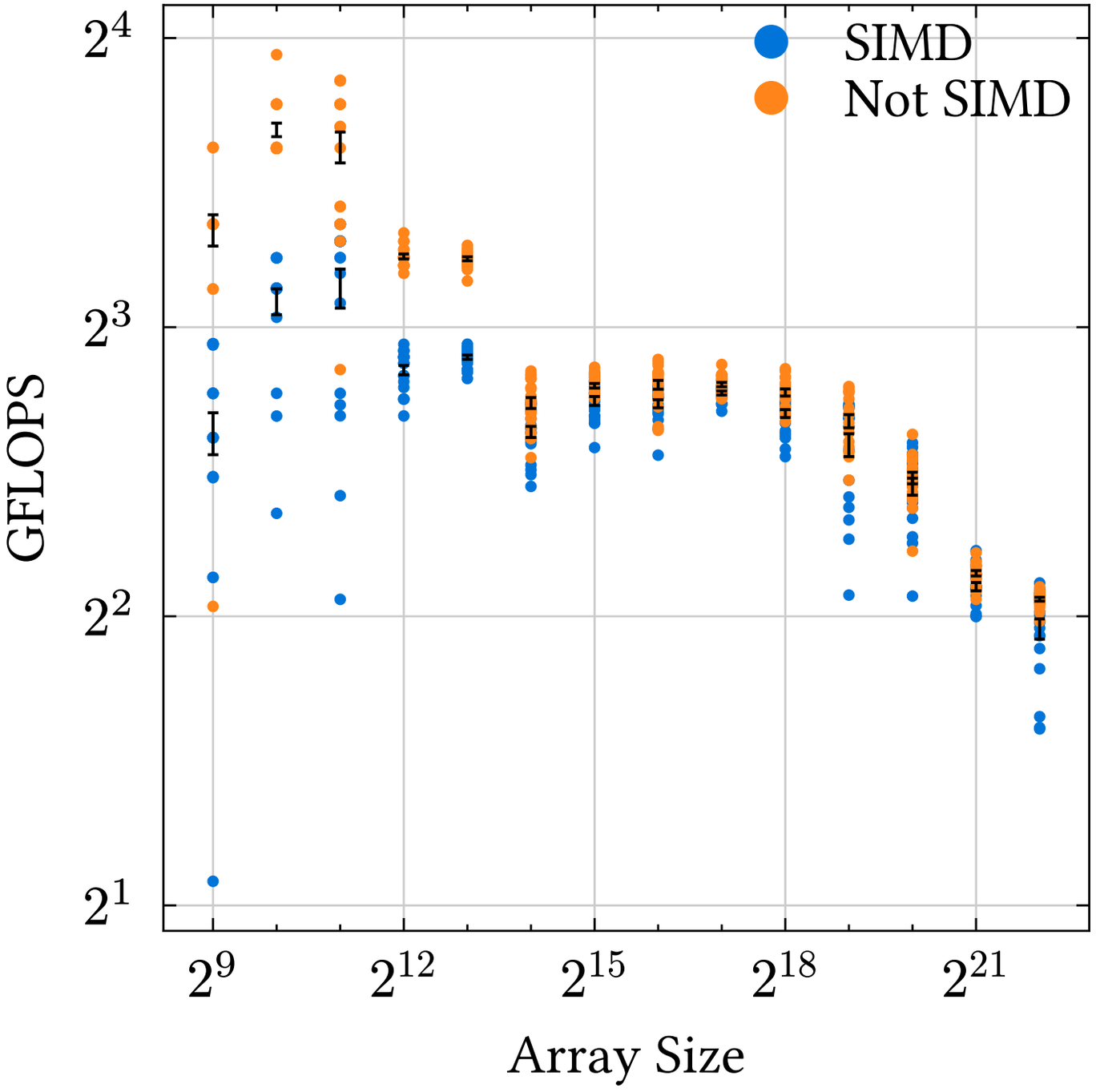


With SIMD: GFLOPS = (arraySize) * (-1.1216e-6)

Without SIMD: GFLOPS = (arraySize) * (-1.0301e-6)

Speedup: 0.9183622584886617

Stencil, Stride=4

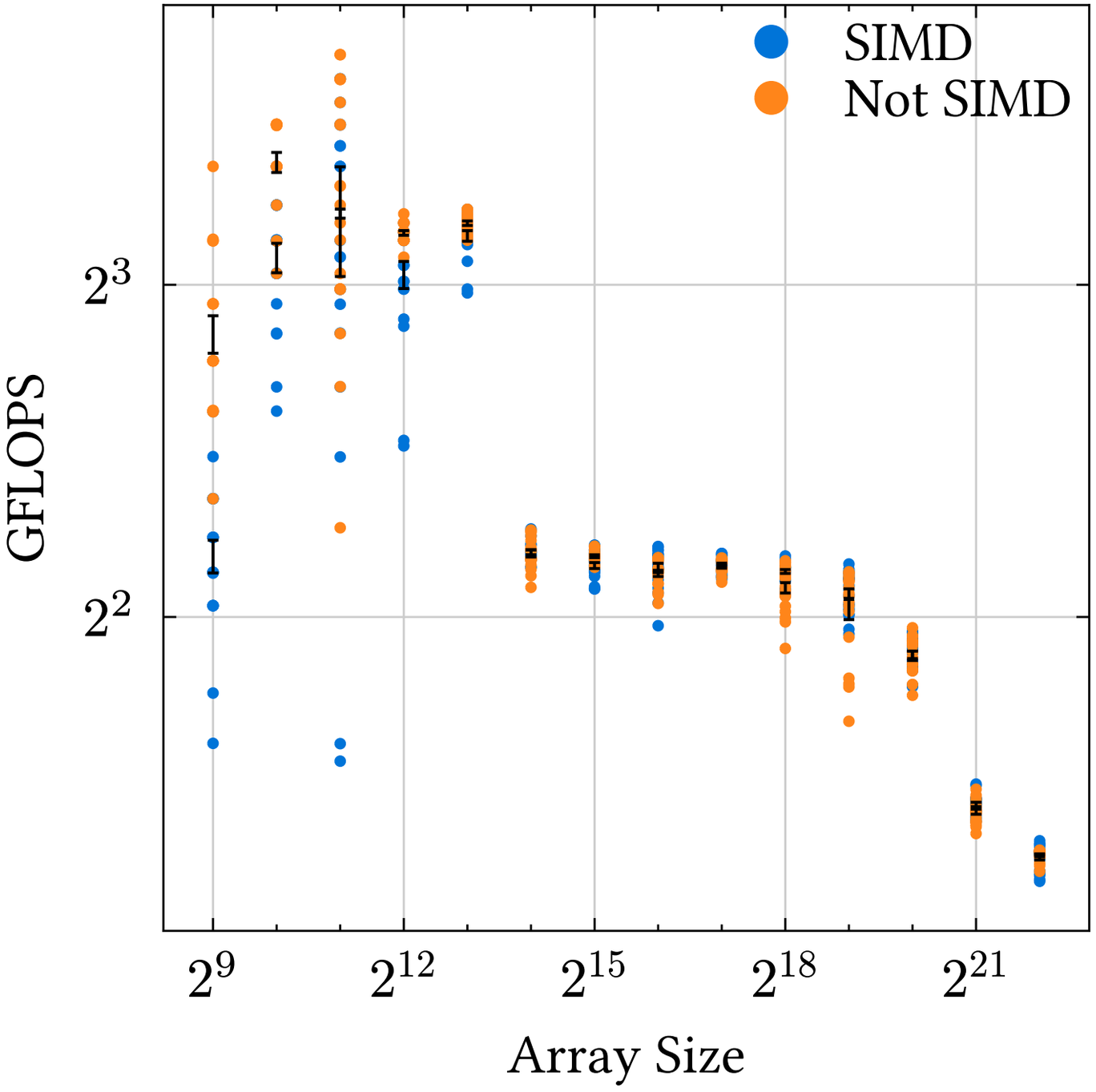


With SIMD: GFLOPS = (arraySize) * (-9.0776e-7)

Without SIMD: GFLOPS = (arraySize) * (-1.4020e-6)

Speedup: 1.5444532792860253

Stencil, Stride=8

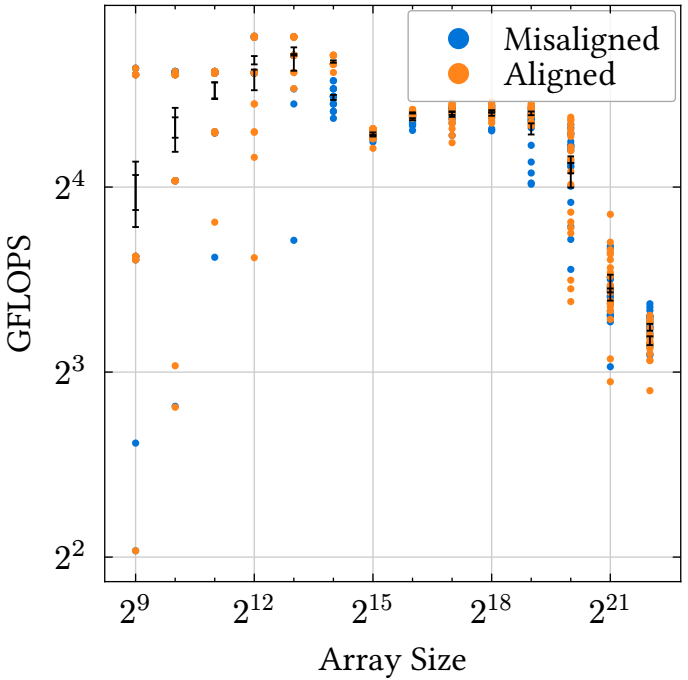


With SIMD: GFLOPS = (arraySize) * (-1.0891e-6)

Without SIMD: GFLOPS = (arraySize) * (-1.3434e-6)

Speedup: 1.2334627637434057

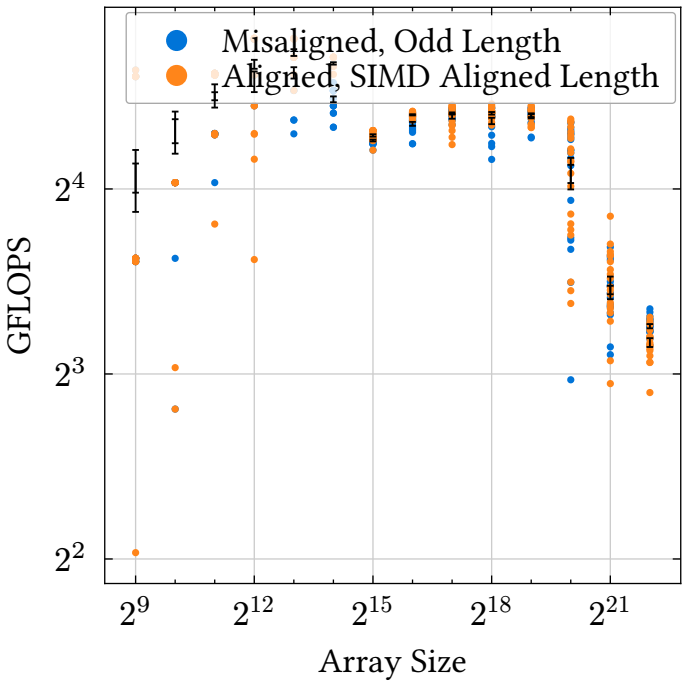
Dot Product: Misaligned vs Aligned



With SIMD: GFLOPS = (arraySize) * (-3.2994e-6)

With SIMD: GFLOPS = (arraySize) * (-3.5168e-6)

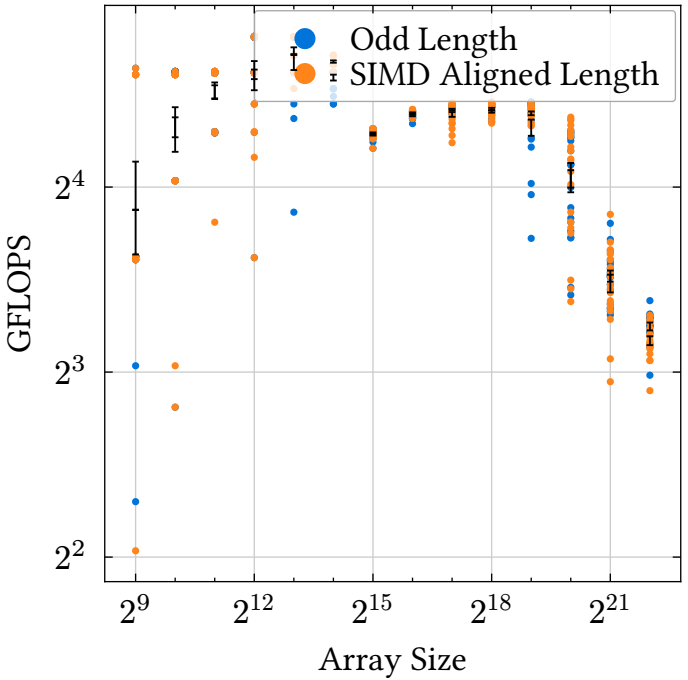
Dot Product: Misaligned, Odd Length vs Aligned, SIMD Aligned Length



With SIMD: GFLOPS = (arraySize) * (-3.2546e-6)

With SIMD: GFLOPS = (arraySize) * (-3.5168e-6)

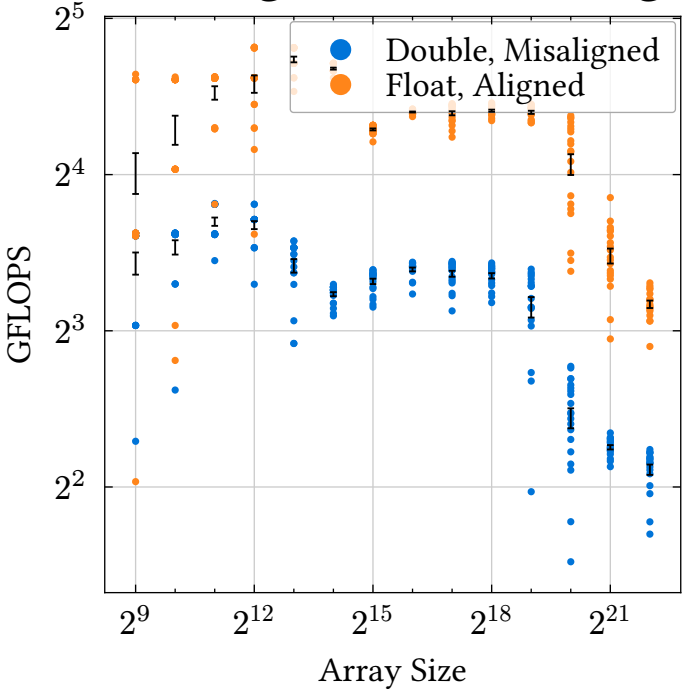
Dot Product:
Odd Length vs SIMD Aligned Length



With SIMD: GFLOPS = (arraySize) * (-3.3087e-6)

With SIMD: GFLOPS = (arraySize) * (-3.5168e-6)

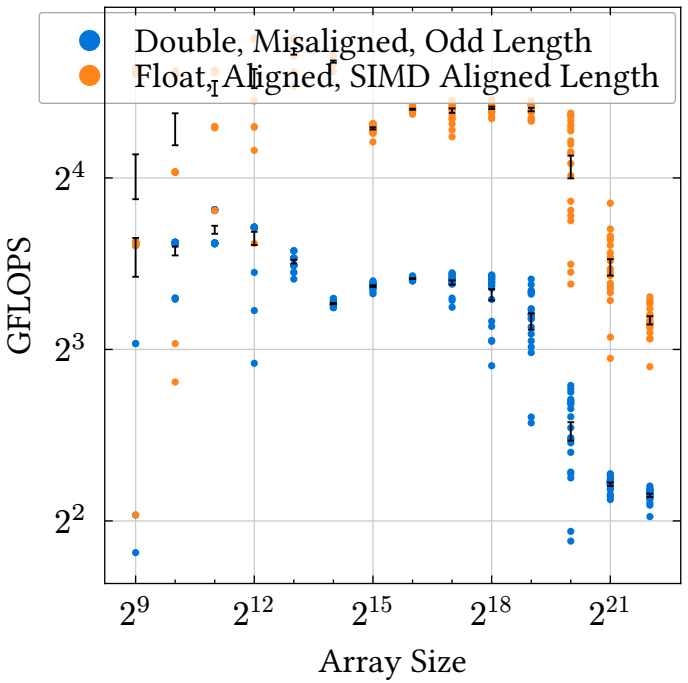
Dot Product:
Double, Misaligned vs Float, Aligned



With SIMD: GFLOPS = (arraySize) * (-1.9334e-6)

With SIMD: GFLOPS = (arraySize) * (-3.5168e-6)

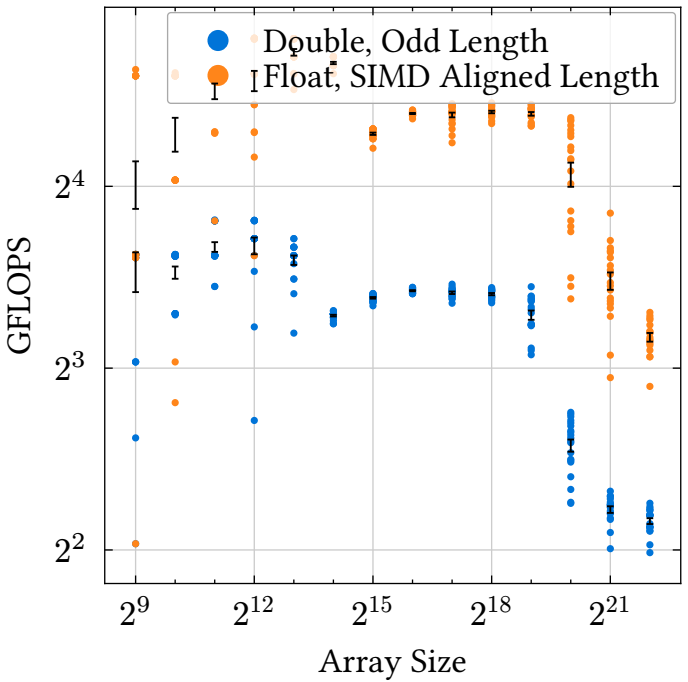
Dot Product:
Double, Misaligned, Odd Length vs Float, Aligned, SIMD Aligned Length



With SIMD: GFLOPS = (arraySize) * (-1.9934e-6)

With SIMD: GFLOPS = (arraySize) * (-3.5168e-6)

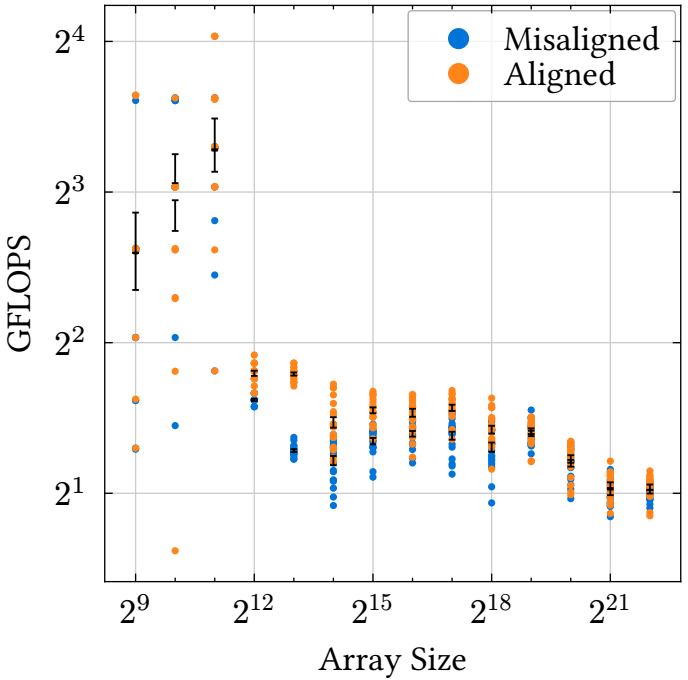
Dot Product: Double, Odd Length vs Float, SIMD Aligned Length



With SIMD: GFLOPS = (arraySize) * (-1.9998e-6)

With SIMD: GFLOPS = (arraySize) * (-3.5168e-6)

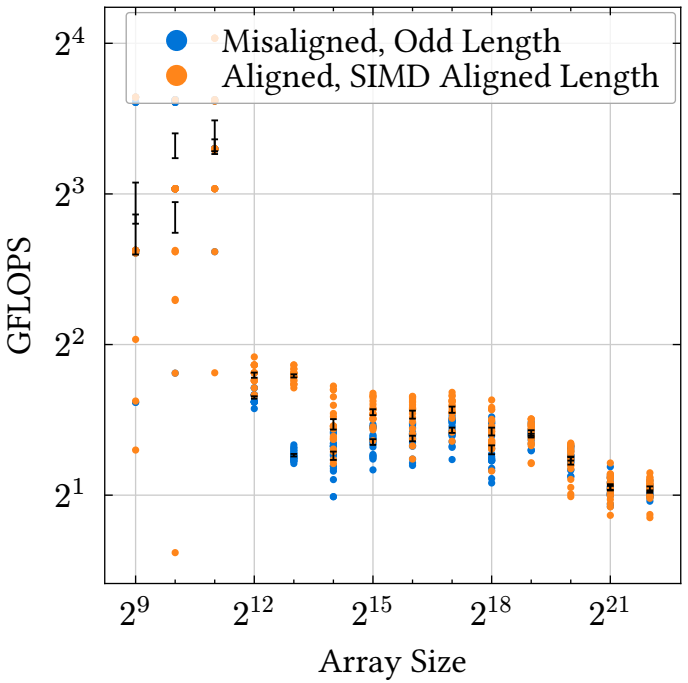
Elementwise Multiply: Misaligned vs Aligned



With SIMD: GFLOPS = (arraySize) * (-7.0819e-7)

With SIMD: GFLOPS = (arraySize) * (-8.0610e-7)

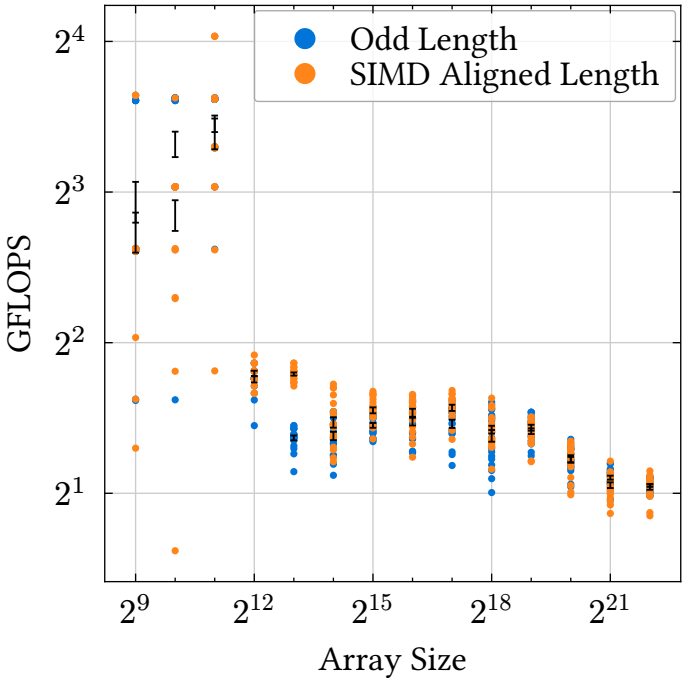
Elementwise Multiply: Misaligned, Odd Length vs Aligned, SIMD Aligned Length



With SIMD: GFLOPS = (arraySize) * (-8.0945e-7)

With SIMD: GFLOPS = (arraySize) * (-8.0610e-7)

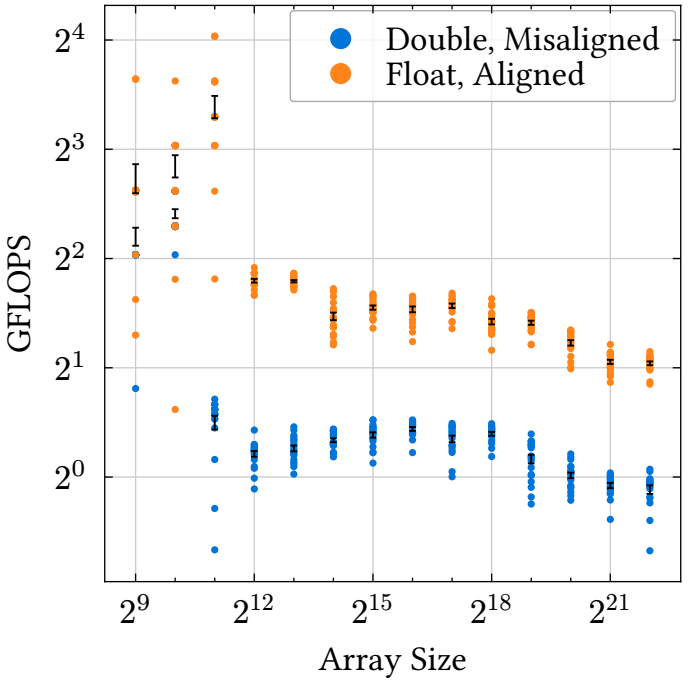
Elementwise Multiply: Odd Length vs SIMD Aligned Length



With SIMD: GFLOPS = (arraySize) * (-8.8647e-7)

With SIMD: GFLOPS = (arraySize) * (-8.0610e-7)

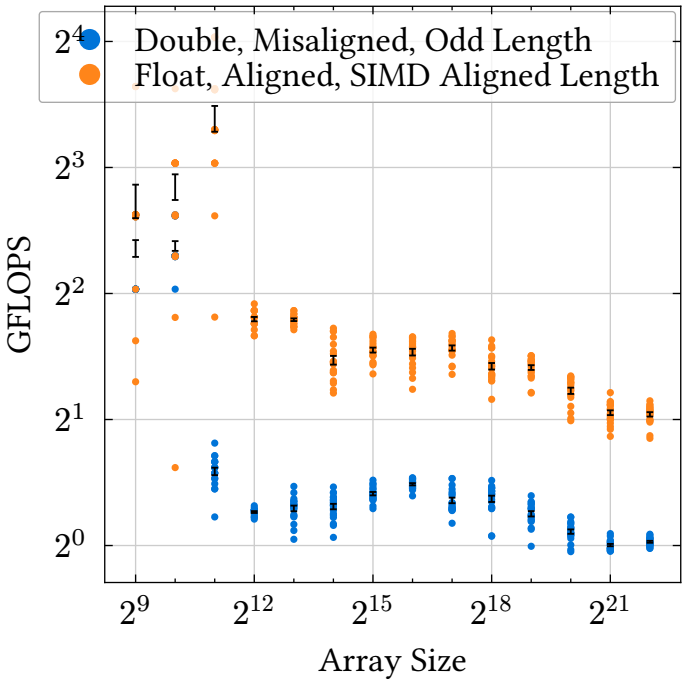
Elementwise Multiply: Double, Misaligned vs Float, Aligned



With SIMD: GFLOPS = (arraySize) * (-3.5793e-7)

With SIMD: GFLOPS = (arraySize) * (-8.0610e-7)

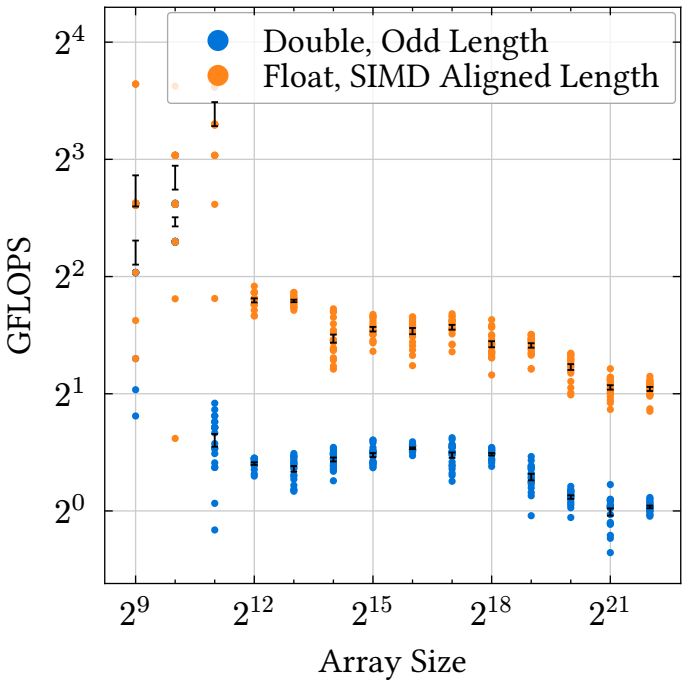
Elementwise Multiply: Double, Misaligned, Odd Length vs Float, Aligned, SIMD Aligned Length



With SIMD: GFLOPS = (arraySize) * (-3.4757e-7)

With SIMD: GFLOPS = (arraySize) * (-8.0610e-7)

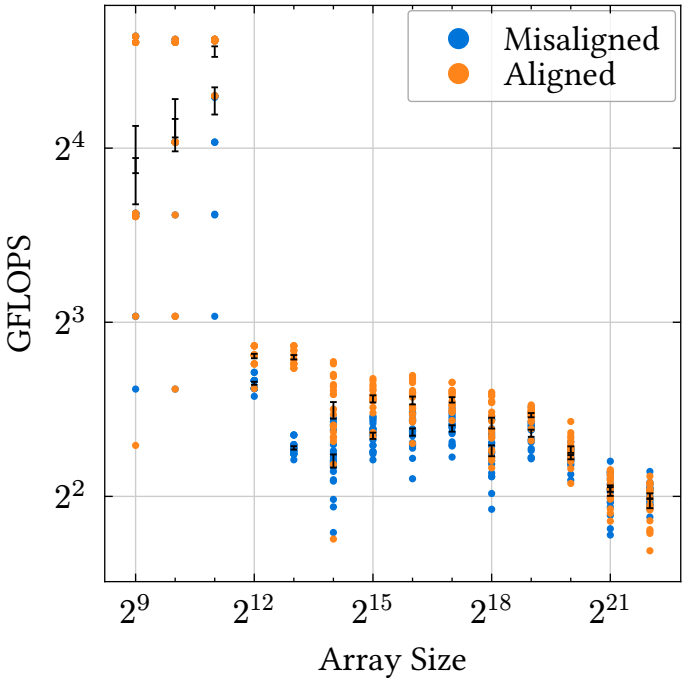
Elementwise Multiply: Double, Odd Length vs Float, SIMD Aligned Length



With SIMD: GFLOPS = (arraySize) * (-3.5462e-7)

With SIMD: GFLOPS = (arraySize) * (-8.0610e-7)

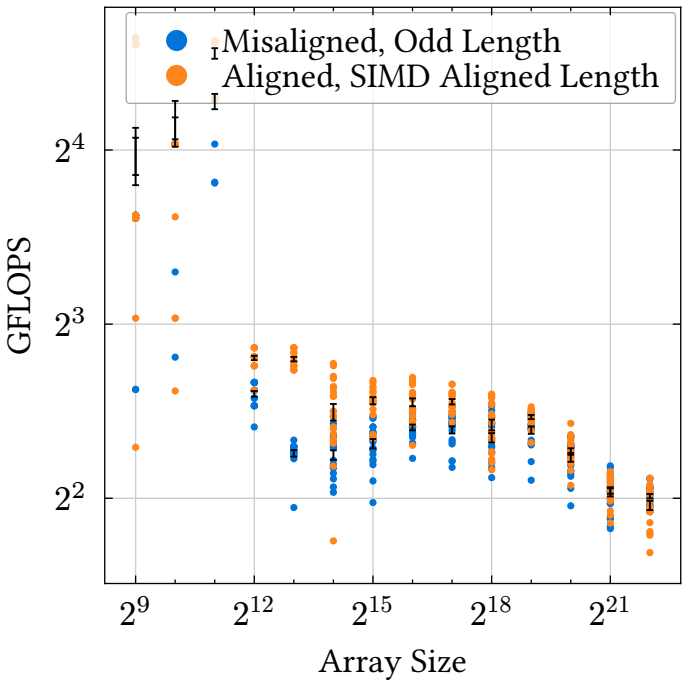
Saxpy:
Misaligned vs Aligned



With SIMD: GFLOPS = (arraySize) * (-1.4897e-6)

With SIMD: GFLOPS = (arraySize) * (-1.9215e-6)

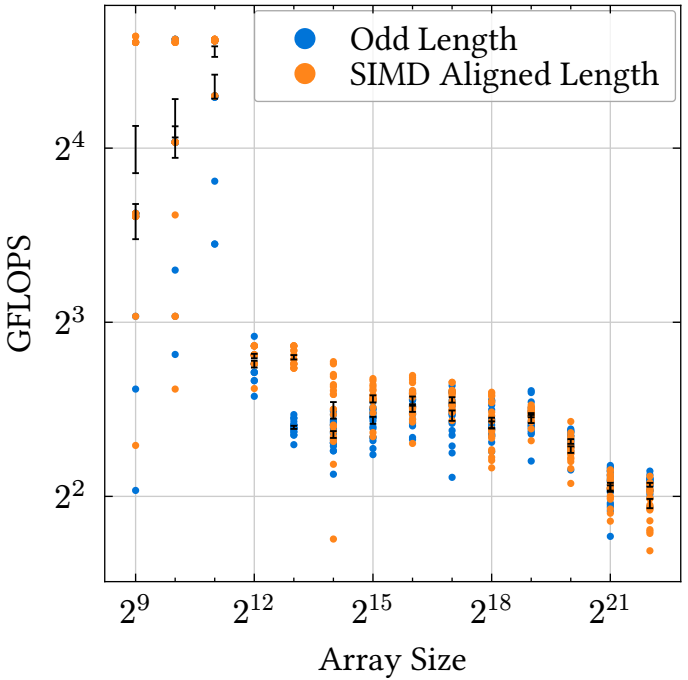
Saxpy:
Misaligned, Odd Length vs Aligned, SIMD Aligned Length



With SIMD: GFLOPS = (arraySize) * (-1.5220e-6)

With SIMD: GFLOPS = (arraySize) * (-1.9215e-6)

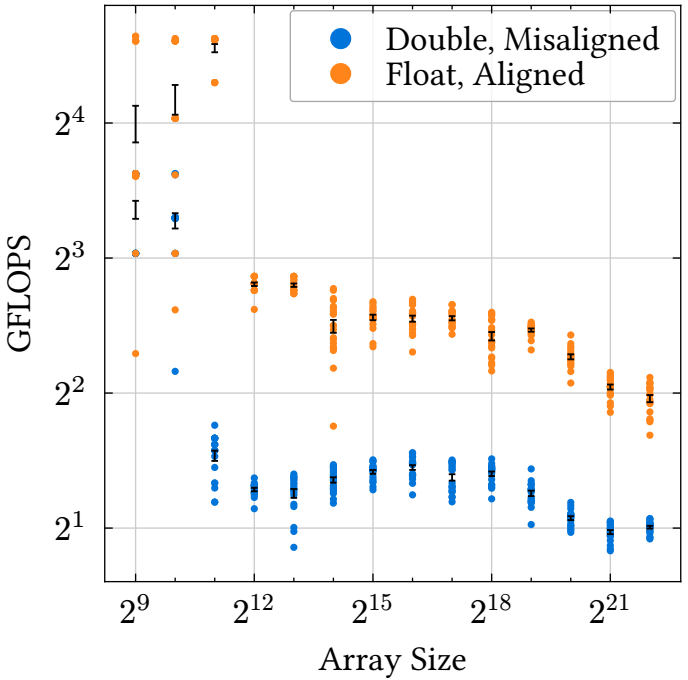
Saxpy:
Odd Length vs SIMD Aligned Length



With SIMD: GFLOPS = (arraySize) * (-1.4905e-6)

With SIMD: GFLOPS = (arraySize) * (-1.9215e-6)

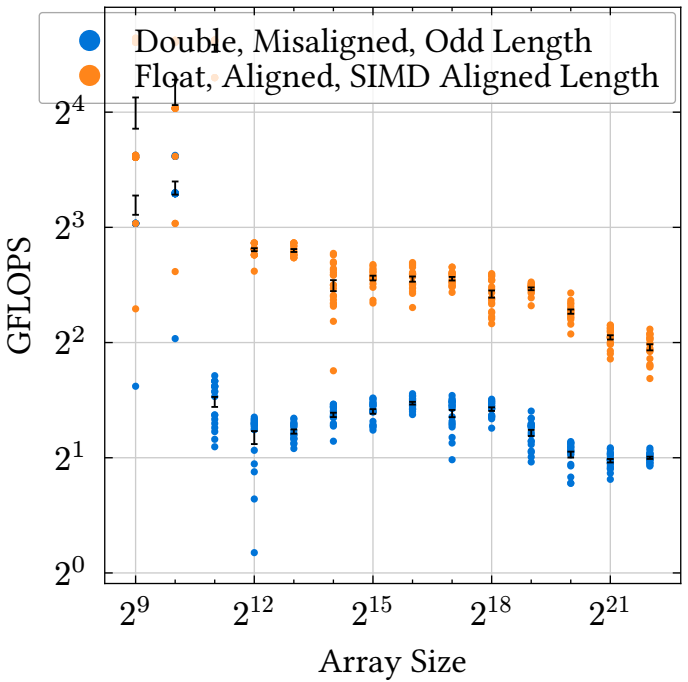
Saxpy:
Double, Misaligned vs Float, Aligned



With SIMD: GFLOPS = (arraySize) * (-6.7712e-7)

With SIMD: GFLOPS = (arraySize) * (-1.9215e-6)

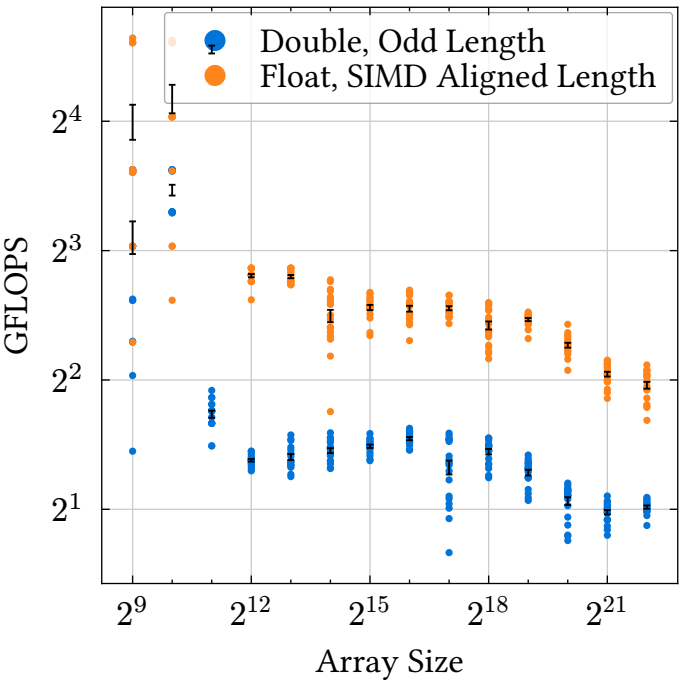
Saxpy:
Double, Misaligned, Odd Length vs Float, Aligned, SIMD Aligned Length



With SIMD: GFLOPS = (arraySize) * (-6.5812e-7)

With SIMD: GFLOPS = (arraySize) * (-1.9215e-6)

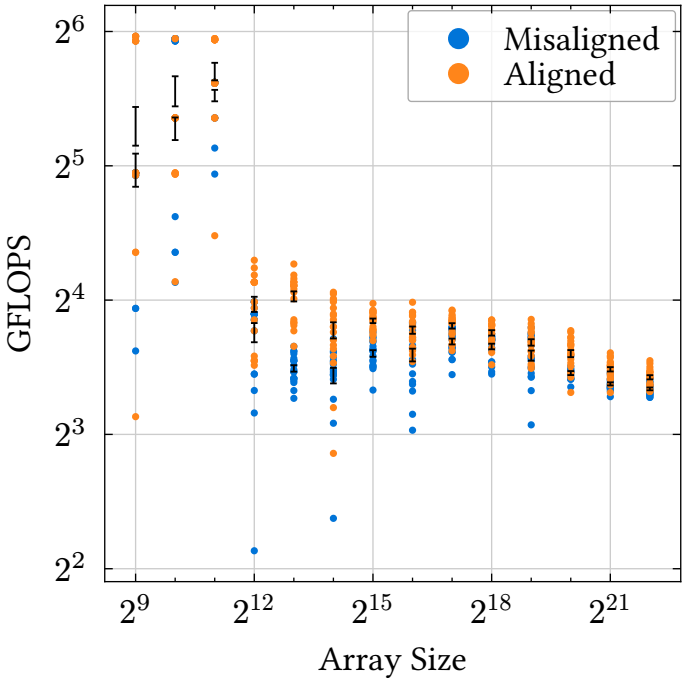
Saxpy:
Double, Odd Length vs Float, SIMD Aligned Length



With SIMD: GFLOPS = (arraySize) * (-7.0216e-7)

With SIMD: GFLOPS = (arraySize) * (-1.9215e-6)

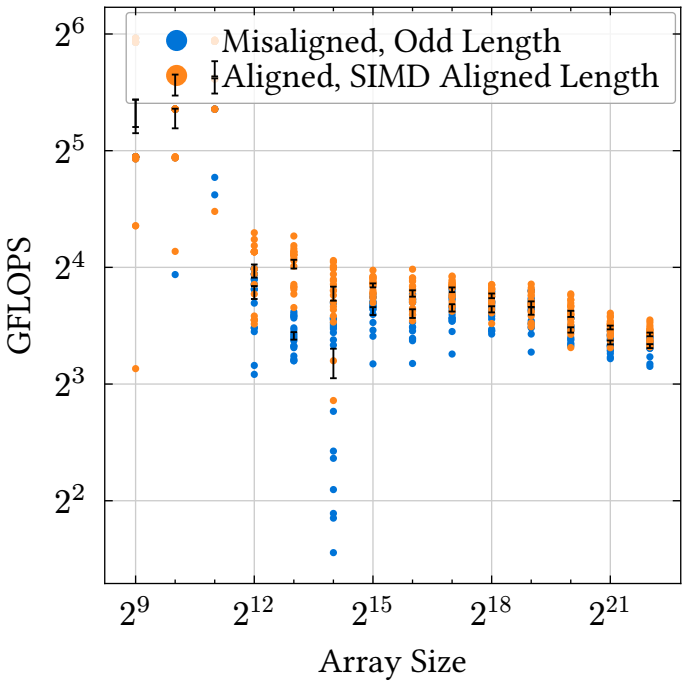
Stencil:
Misaligned vs Aligned



With SIMD: GFLOPS = (arraySize) * (-3.4005e-6)

With SIMD: GFLOPS = (arraySize) * (-3.9973e-6)

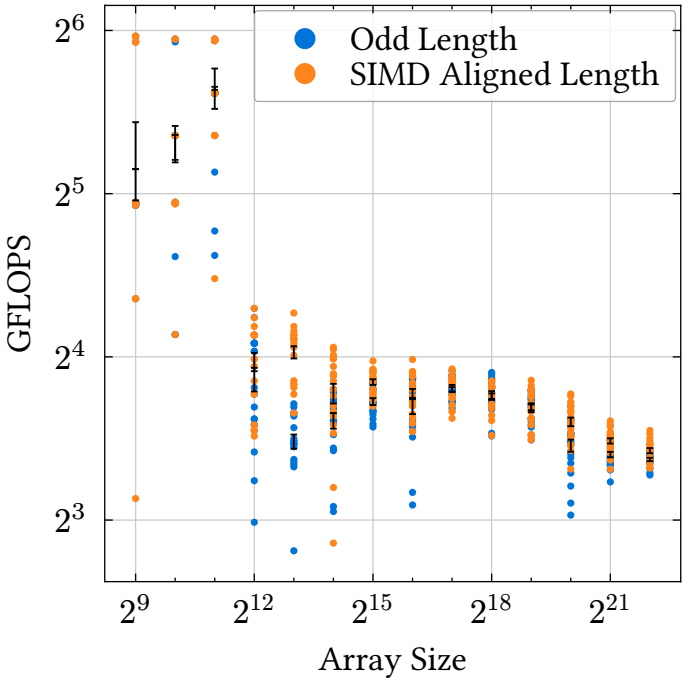
Stencil:
Misaligned, Odd Length vs Aligned, SIMD Aligned Length



With SIMD: GFLOPS = (arraySize) * (-3.8405e-6)

With SIMD: GFLOPS = (arraySize) * (-3.9973e-6)

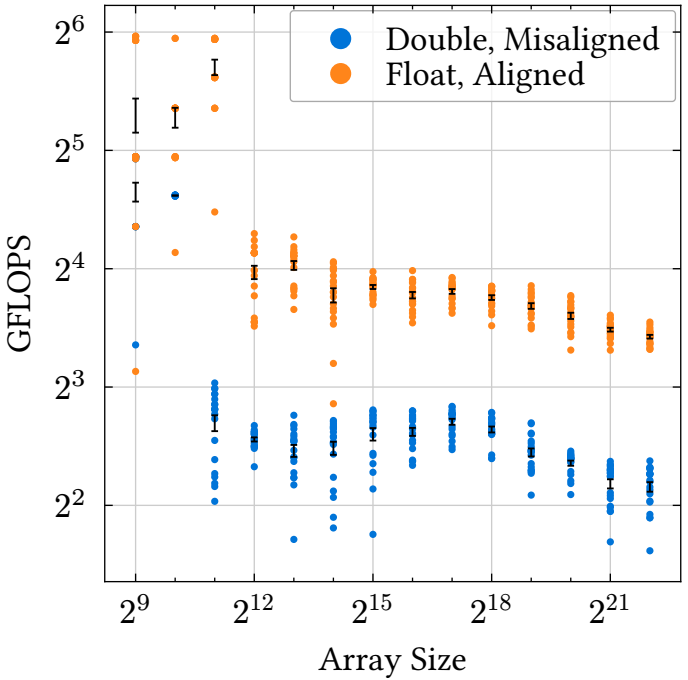
Stencil:
Odd Length vs SIMD Aligned Length



With SIMD: GFLOPS = (arraySize) * (-3.5926e-6)

With SIMD: GFLOPS = (arraySize) * (-3.9973e-6)

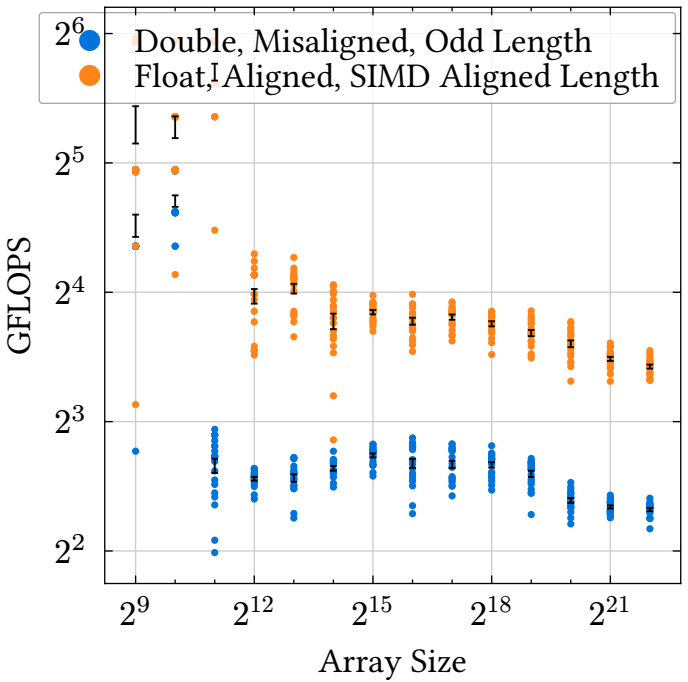
Stencil:
Double, Misaligned vs Float, Aligned



With SIMD: GFLOPS = (arraySize) * (-1.5020e-6)

With SIMD: GFLOPS = (arraySize) * (-3.9973e-6)

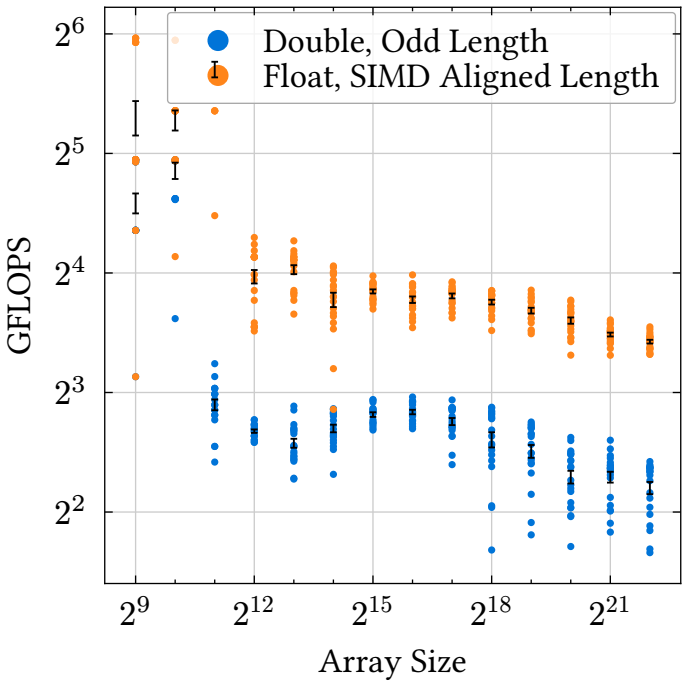
Stencil:
Double, Misaligned, Odd Length vs Float, Aligned, SIMD Aligned Length



With SIMD: GFLOPS = (arraySize) * (-1.5824e-6)

With SIMD: GFLOPS = (arraySize) * (-3.9973e-6)

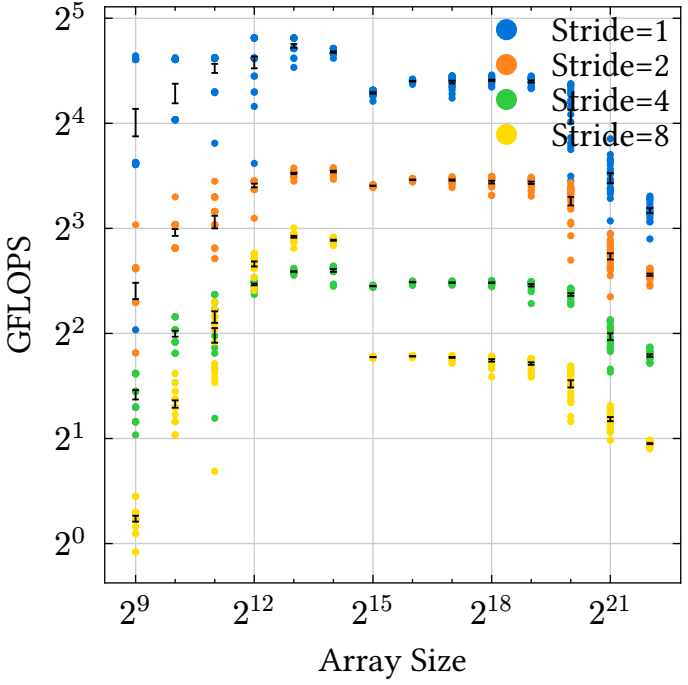
Stencil:
Double, Odd Length vs Float, SIMD Aligned Length



With SIMD: GFLOPS = (arraySize) * (-1.9242e-6)

With SIMD: GFLOPS = (arraySize) * (-3.9973e-6)

Dot Product:
Strides:1,2,4,8



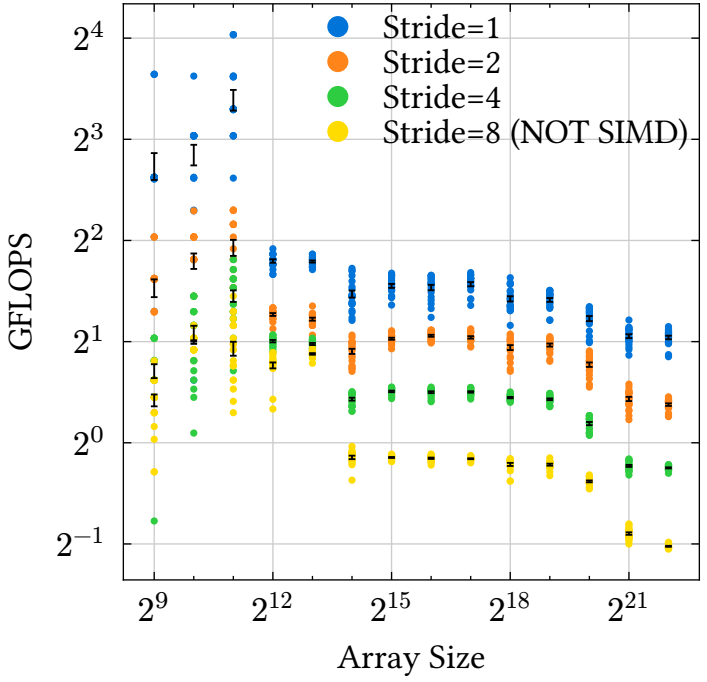
Stride=1: GFLOPS = (arraySize) * (-3.5168e-6)

Stride=2: GFLOPS = (arraySize) * (-1.0029e-6)

Stride=4: GFLOPS = (arraySize) * (-4.0462e-7)

Stride=8: GFLOPS = (arraySize) * (-6.7145e-7)

Elementwise Multiply: Strides:1,2,4,8



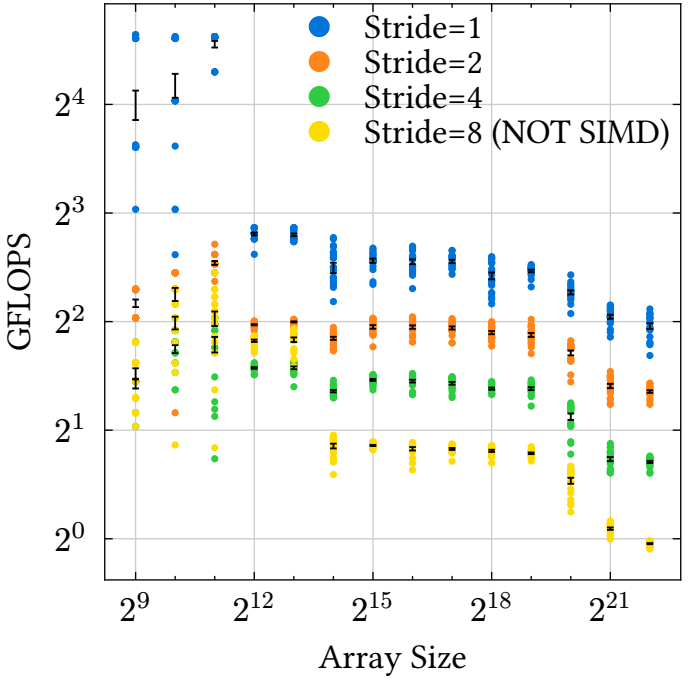
Stride=1: GFLOPS = (arraySize) * (-8.0610e-7)

Stride=2: GFLOPS = (arraySize) * (-3.6157e-7)

Stride=4: GFLOPS = (arraySize) * (-2.7003e-7)

Stride=8: GFLOPS = (arraySize) * (-2.5507e-7)

Saxpy:
Strides:1,2,4,8



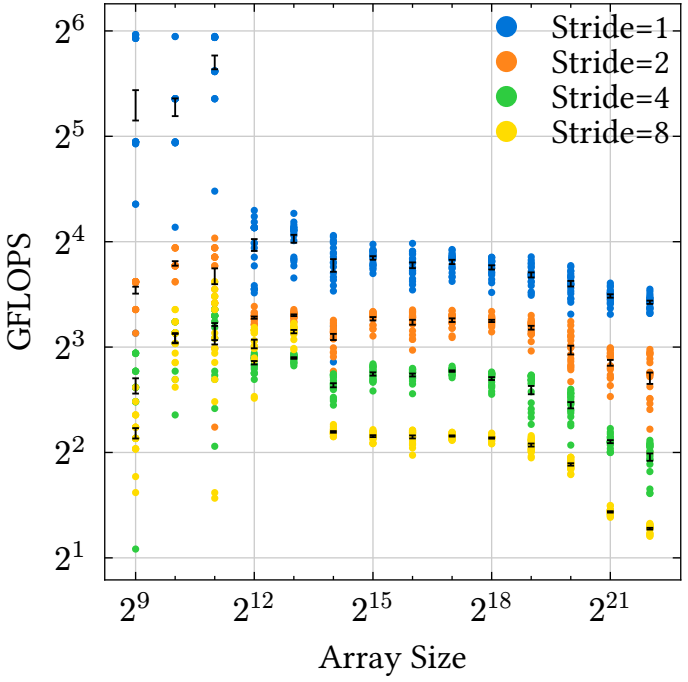
Stride=1: GFLOPS = (arraySize) * (-1.9215e-6)

Stride=2: GFLOPS = (arraySize) * (-4.7805e-7)

Stride=4: GFLOPS = (arraySize) * (-3.6732e-7)

Stride=8: GFLOPS = (arraySize) * (-5.3622e-7)

Stencil:
Strides:1,2,4,8



Stride=1: GFLOPS = (arraySize) * (-3.9973e-6)

Stride=2: GFLOPS = (arraySize) * (-1.1216e-6)

Stride=4: GFLOPS = (arraySize) * (-9.0776e-7)

Stride=8: GFLOPS = (arraySize) * (-1.0891e-6)