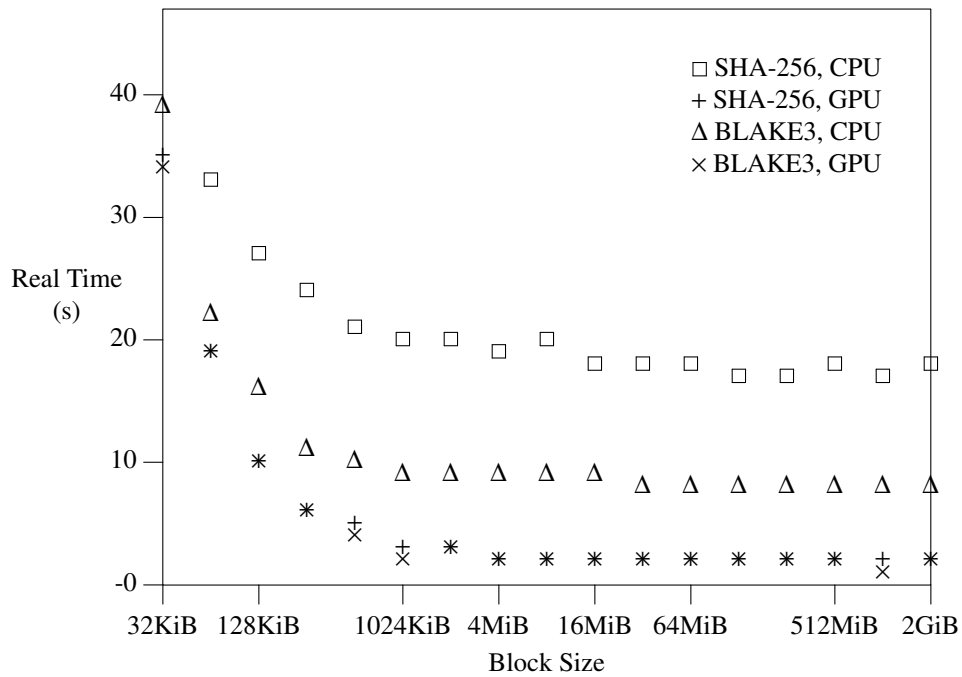# Benchmark Results

Personal Computer

- AMD R7 3700X
- 32GB DDR4-3200 RAM
- Radeon RX 7900 XTX
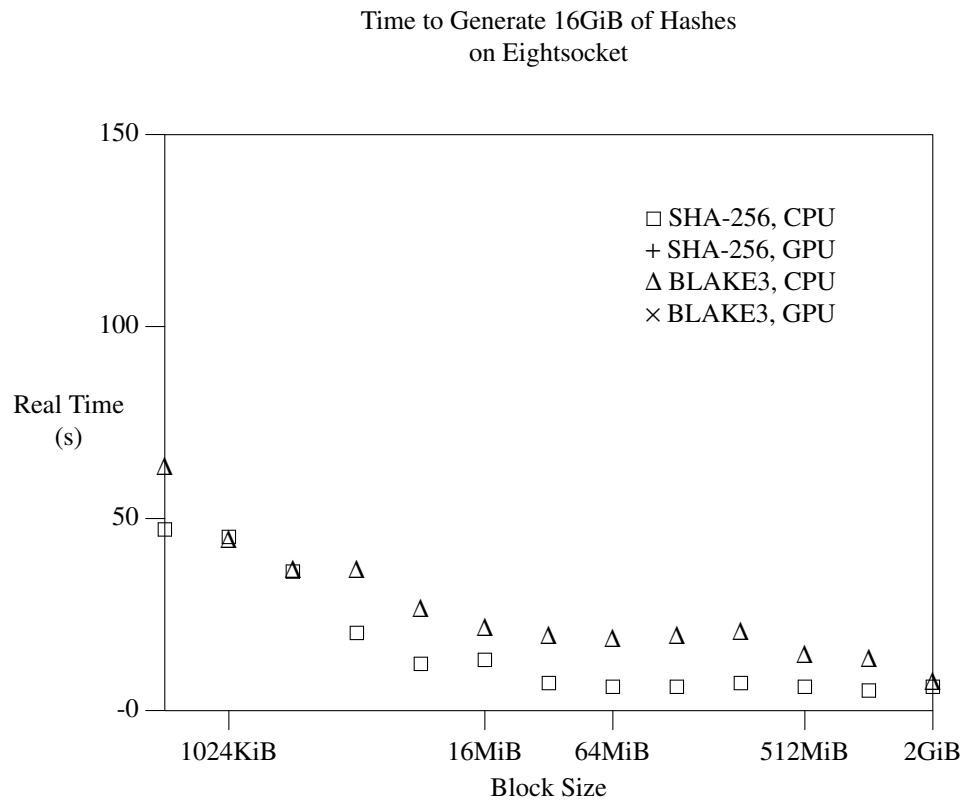- NixOS 23.11 Unstable

Compiled using AdapativeCpp v0.9.4, LLVM 15, and HIP 5.4.4 with `-O3` and `-march=native`.

Time to Generate 16GiB of Hashes
on a Personal Computer

Mystic Eightsocket System

DataSys Mystic Eightsocket system. Compiled using AdaptiveCpp v0.9.4 and LLVM 15 with `-O3` and `-march=native`.

Time to Generate 16GiB of Hashes
on Eightsocket

Chameleon Cloud Node

- Intel Xeon E5-2670 v3
- 128GB RAM
- NVIDIA Tesla P100
- CC-Ubuntu20.04-CUDA

Baremetal CHI@TACC gpu_p100 instance. Compiled using AdaptiveCpp v0.9.4, LLVM 15, and CUDA 11.5 with -O3 and -march=native.

Time to Generate 16GiB of Hashes
on CHI@TACC gpu_p100