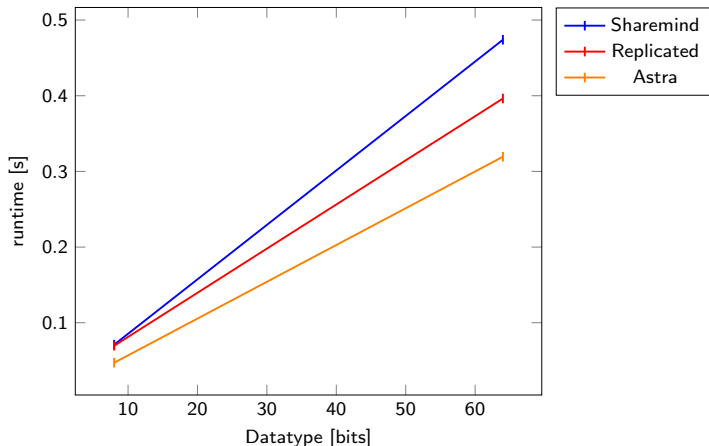# Sevarebench Measurement Results
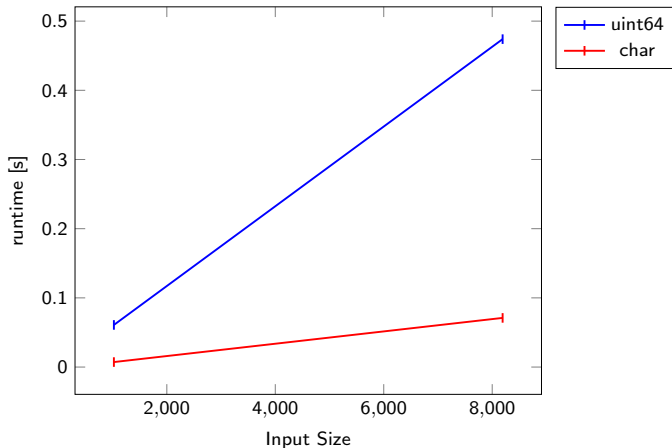
MP-Slice Scalable Search

Various Measurements

January 29, 2023

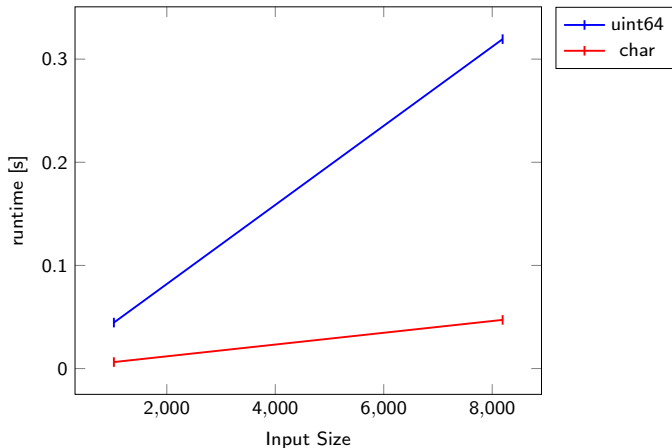# MP-Slice Runtimes Datatype Fixed Input: 8192 -d d8 (char)

- Ref.Problem: Scalable Search
- Library: MP-Slice - Fixed Input: 8192 -d d8 (char)
- Metric: Datatype - runtime
- Switches: Preprocessing: 0, Split Roles: 1, Pack Bool: 0, Optimize Sharing: 1
- Specs: D-1518(2.2GHz) 32GiB 1Gbits
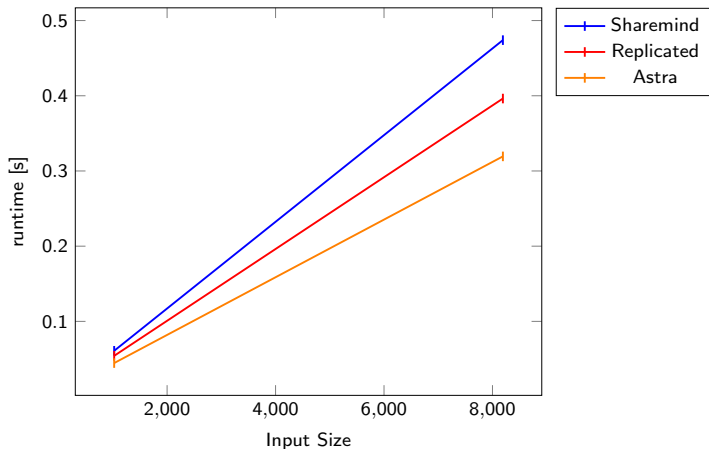
MP-Slice Runtimes Input Size Protocol -s 1 (Sharemind)

- – Ref.Problem: Scalable Search
- – Library: MP-Slice - Protocol -s 1 (Sharemind)
- – Metric: Input Size - runtime
- – Switches: Preprocessing: 0, Split Roles: 1, Pack Bool: 0, Optimize Sharing: 1
- – Specs: D-1518(2.2GHz) 32GiB 1Gbits

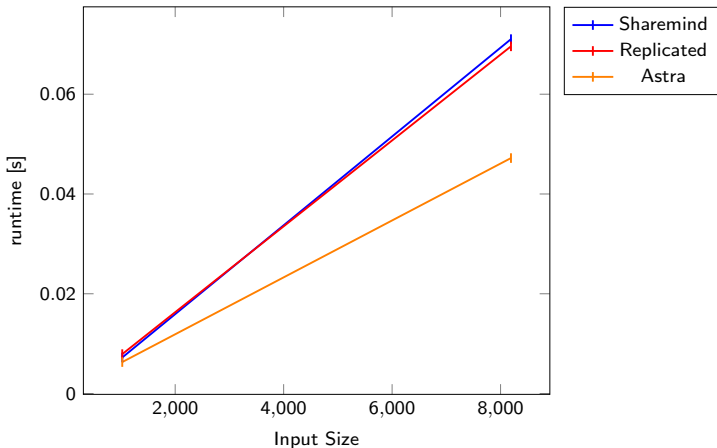# MP-Slice Runtimes Input Size Protocol -s 3 (Astra)

- — Ref.Problem: Scalable Search
- — Library: MP-Slice - Protocol -s 3 (Astra)
- — Metric: Input Size - runtime
- — Switches: Preprocessing: 0, Split Roles: 1, Pack Bool: 0, Optimize Sharing: 1
- — Specs: D-1518(2.2GHz) 32GiB 1Gbits

MP-Slice Runtimes Input Size Datatype -d d64 (uint64)

- – Ref.Problem: Scalable Search
- – Library: MP-Slice - Datatype -d d64 (uint64)
- – Metric: Input Size - runtime
- – Switches: Preprocessing: 0, Split Roles: 1, Pack Bool: 0, Optimize Sharing: 1
- – Specs: D-1518(2.2GHz) 32GiB 1Gbits

MP-Slice Runtimes Input Size Datatype -d d8 (char)

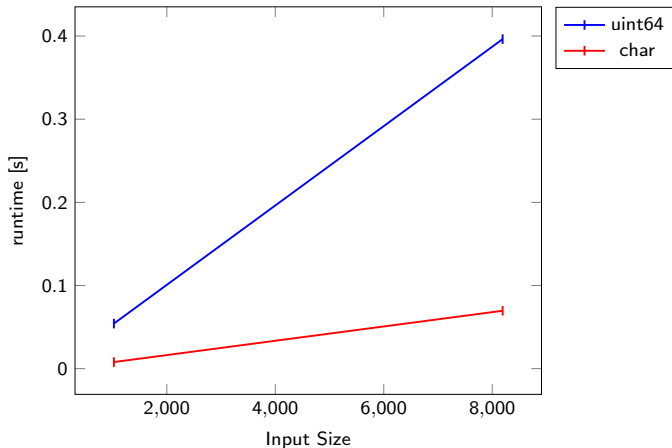

- – Ref.Problem: Scalable Search
- – Library: MP-Slice - Datatype -d d8 (char)
- – Metric: Input Size - runtime
- – Switches: Preprocessing: 0, Split Roles: 1, Pack Bool: 0, Optimize Sharing: 1
- – Specs: D-1518(2.2GHz) 32GiB 1Gbits

MP-Slice Runtimes Input Size Protocol -s 2 (Replicated)

- — Ref.Problem: Scalable Search
- — Library: MP-Slice - Protocol -s 2 (Replicated)
- — Metric: Input Size - runtime
- — Switches: Preprocessing: 0, Split Roles: 1, Pack Bool: 0, Optimize Sharing: 1
- — Specs: D-1518(2.2GHz) 32GiB 1Gbits