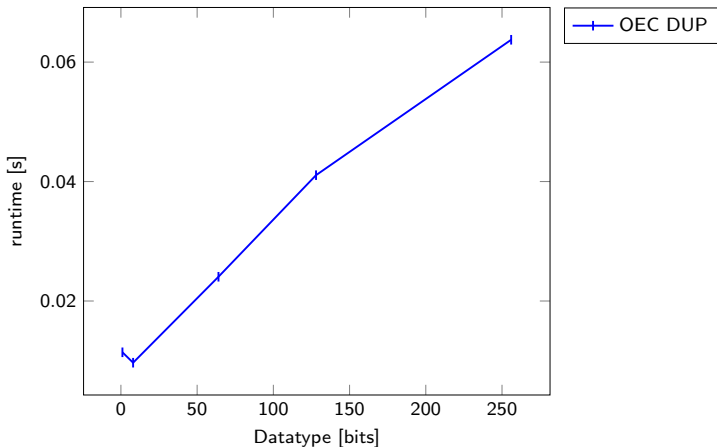# Sevarebench Measurement Results

MP-Slice Scalable Search
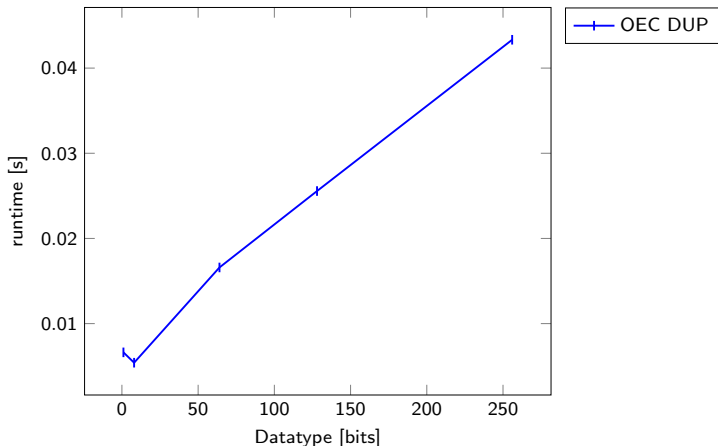
Various Measurements

January 29, 2023

MP-Slice Runtimes Datatype Fixed Input: 4096 -d d8 (char)

– Ref.Problem: Scalable Search

– Library: MP-Slice - Fixed Input: 4096 -d d8 (char)

– Metric: Datatype - runtime

– Switches: Preprocessing: 0, Split Roles: 0, Pack Bool: 0, Optimize Sharing: 1

– Specs: D-1518(2.2GHz) 32GiB 1Gbits

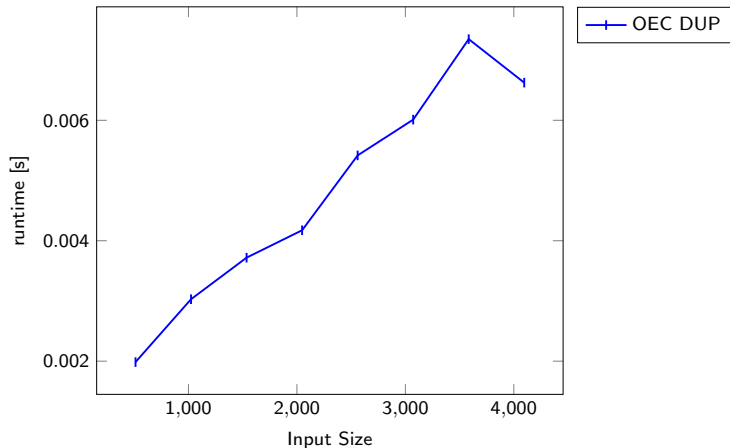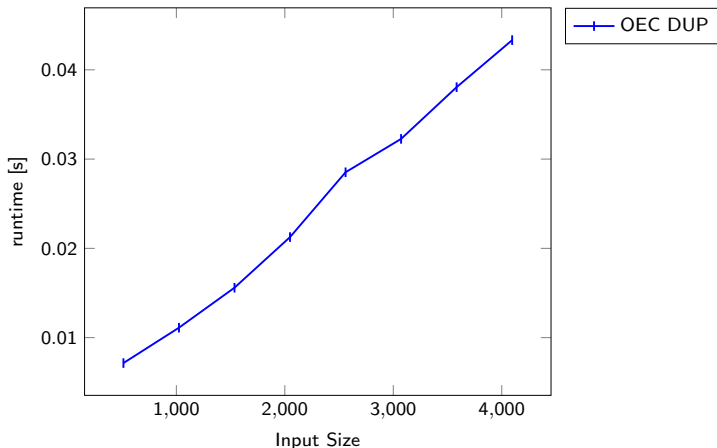# MP-Slice Runtimes Datatype Fixed Input: 4096 -d d8 (char)

- Ref.Problem: Scalable Search
- Library: MP-Slice - Fixed Input: 4096 -d d8 (char)
- Metric: Datatype - runtime
- Switches: Preprocessing: 1, Split Roles: 0, Pack Bool: 0, Optimize Sharing: 1
- Specs: D-1518(2.2GHz) 32GiB 1Gbits

MP-Slice Runtimes Input Size Datatype -d d1 (bool)

- Ref.Problem: Scalable Search
- Library: MP-Slice - Datatype -d d1 (bool)
- Metric: Input Size - runtime
- Switches: Preprocessing: 1, Split Roles: 0, Pack Bool: 0, Optimize Sharing: 1
- Specs: D-1518(2.2GHz) 32GiB 1Gbits
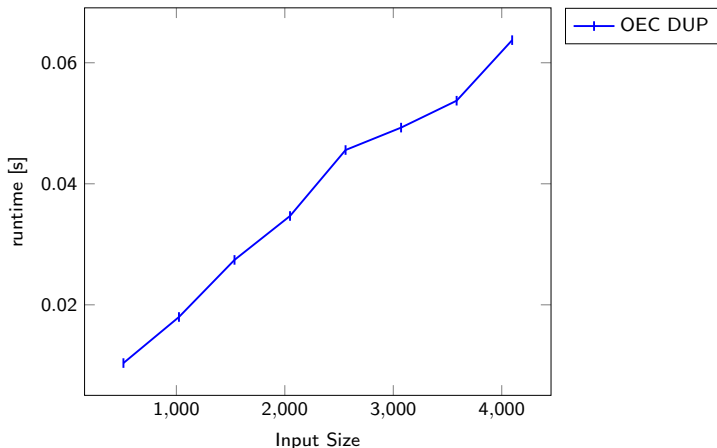
MP-Slice Runtimes Input Size Datatype -d d256 (AVX)

- Ref.Problem: Scalable Search
- Library: MP-Slice - Datatype -d d256 (AVX)
- Metric: Input Size - runtime
- Switches: Preprocessing: 1, Split Roles: 0, Pack Bool: 0, Optimize Sharing: 1
- Specs: D-1518(2.2GHz) 32GiB 1Gbits

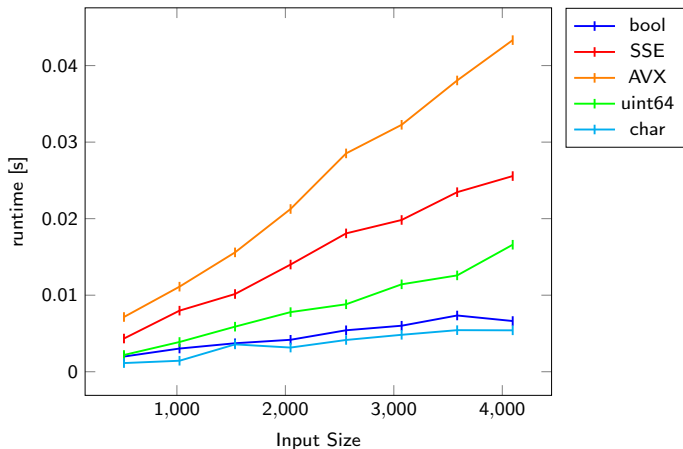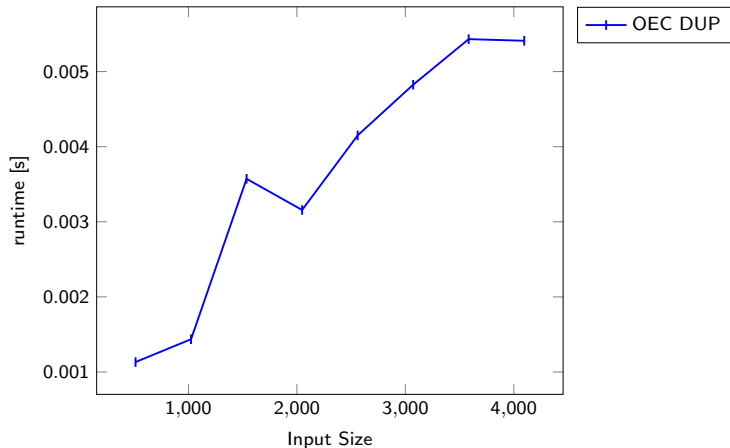## MP-Slice Runtimes Input Size Datatype -d d256 (AVX)

- Ref.Problem: Scalable Search
- Library: MP-Slice - Datatype -d d256 (AVX)
- Metric: Input Size - runtime
- Switches: Preprocessing: 0, Split Roles: 0, Pack Bool: 0, Optimize Sharing: 1
- Specs: D-1518(2.2GHz) 32GiB 1Gbits

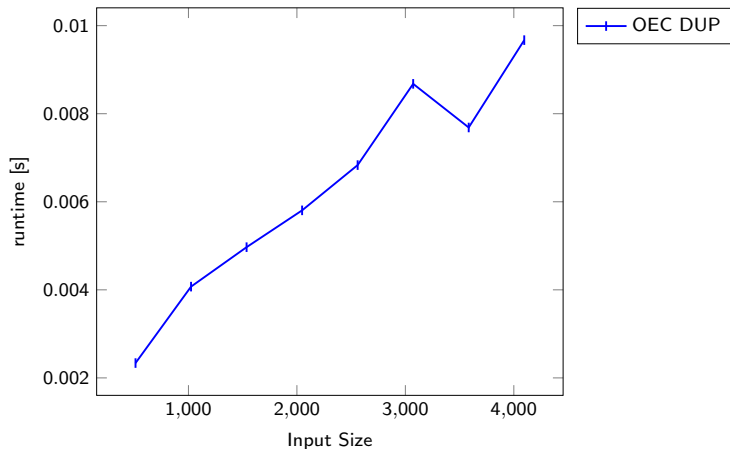# MP-Slice Runtimes Input Size Protocol -s 4 (OEC DUP)

- Ref.Problem: Scalable Search
- Library: MP-Slice - Protocol -s 4 (OEC DUP)
- Metric: Input Size - runtime
- Switches: Preprocessing: 1, Split Roles: 0, 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: 1, Split Roles: 0, Pack Bool: 0, Optimize Sharing: 1
- Specs: D-1518(2.2GHz) 32GiB 1Gbits

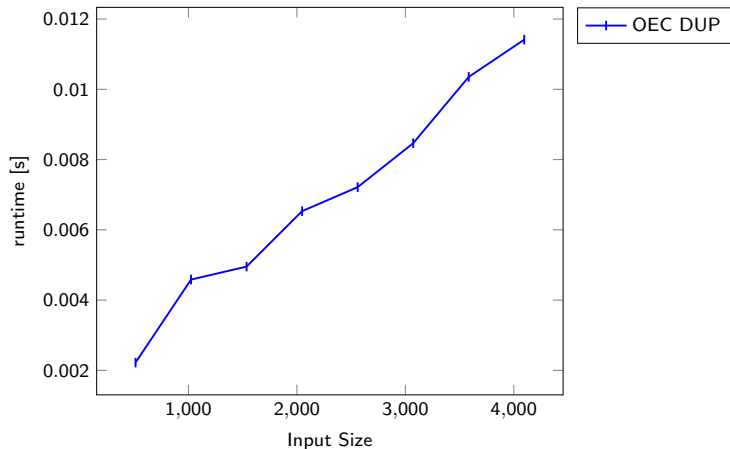# MP-Slice Runtimes Input Size Datatype -d d8 (char)

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

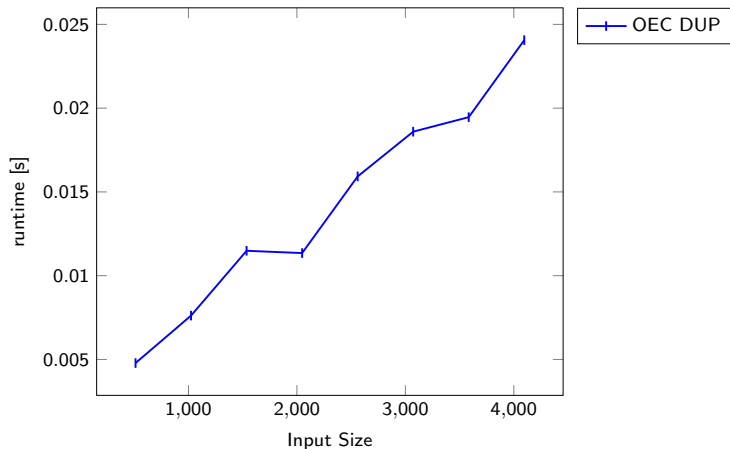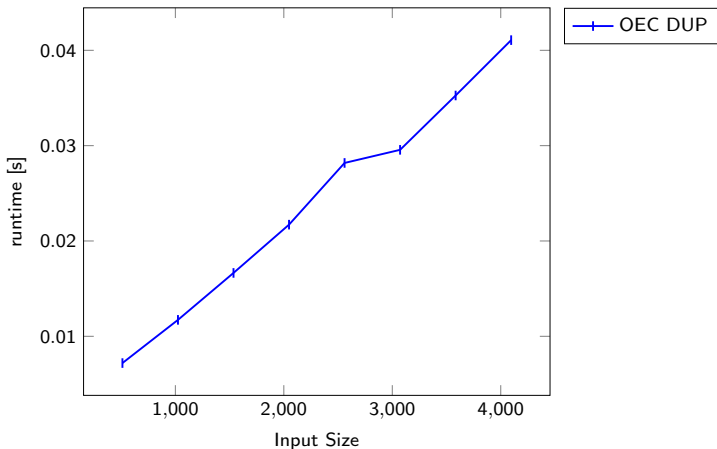# MP-Slice Runtimes Input Size Datatype -d d1 (bool)

- Ref.Problem: Scalable Search
- Library: MP-Slice - Datatype -d d1 (bool)
- Metric: Input Size - runtime
- Switches: Preprocessing: 0, Split Roles: 0, Pack Bool: 0, Optimize Sharing: 1
- Specs: D-1518(2.2GHz) 32GiB 1Gbits

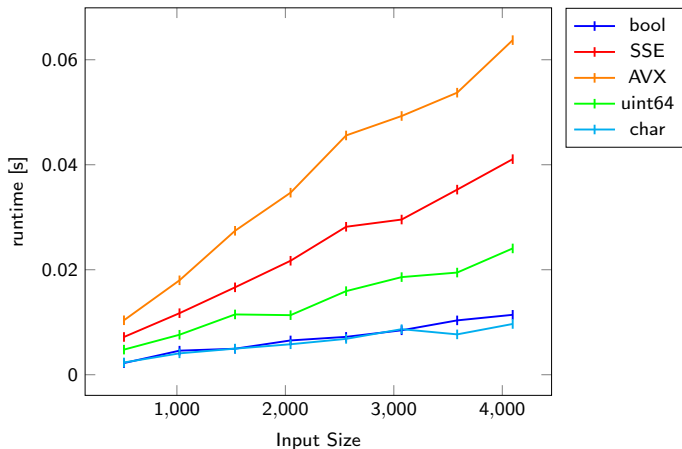# MP-Slice Runtimes Input Size Datatype -d d64 (uint64)

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

MP-Slice Runtimes Input Size Datatype -d d128 (SSE)

- – Ref.Problem: Scalable Search
- – Library: MP-Slice - Datatype -d d128 (SSE)
- – Metric: Input Size - runtime
- – Switches: Preprocessing: 0, Split Roles: 0, Pack Bool: 0, Optimize Sharing: 1
- – Specs: D-1518(2.2GHz) 32GiB 1Gbits

MP-Slice Runtimes Input Size Protocol -s 4 (OEC DUP)

- Ref.Problem: Scalable Search
- Library: MP-Slice - Protocol -s 4 (OEC DUP)
- Metric: Input Size - runtime
- Switches: Preprocessing: 0, Split Roles: 0, Pack Bool: 0, Optimize Sharing: 1
- Specs: D-1518(2.2GHz) 32GiB 1Gbits

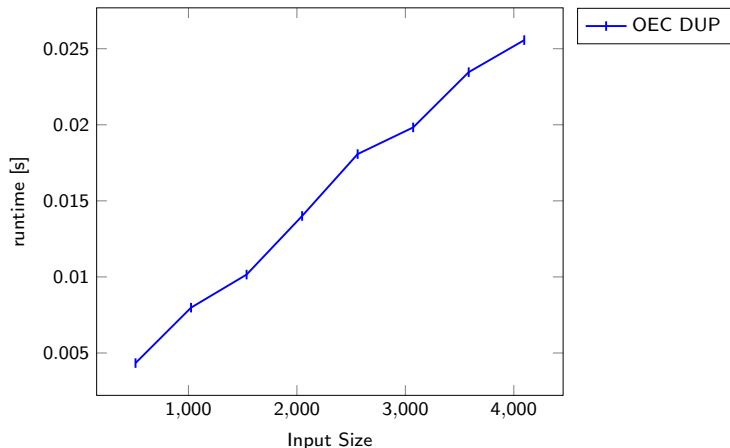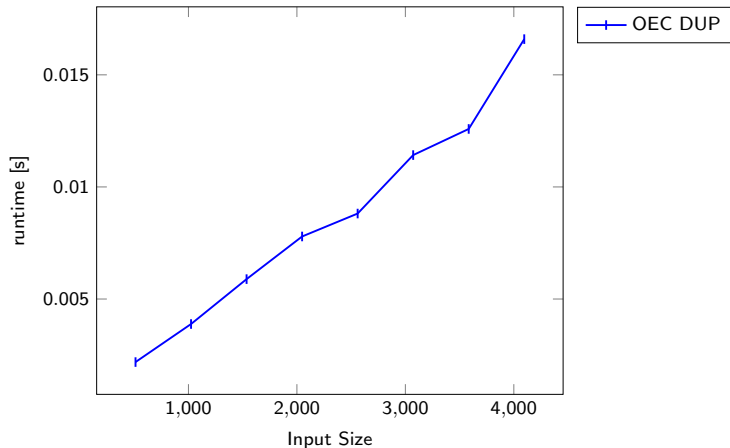# MP-Slice Runtimes Input Size Datatype -d d128 (SSE)

- Ref.Problem: Scalable Search
- Library: MP-Slice - Datatype -d d128 (SSE)
- Metric: Input Size - runtime
- Switches: Preprocessing: 1, Split Roles: 0, 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: 1, Split Roles: 0, Pack Bool: 0, Optimize Sharing: 1

— Specs: D-1518(2.2GHz) 32GiB 1Gbits