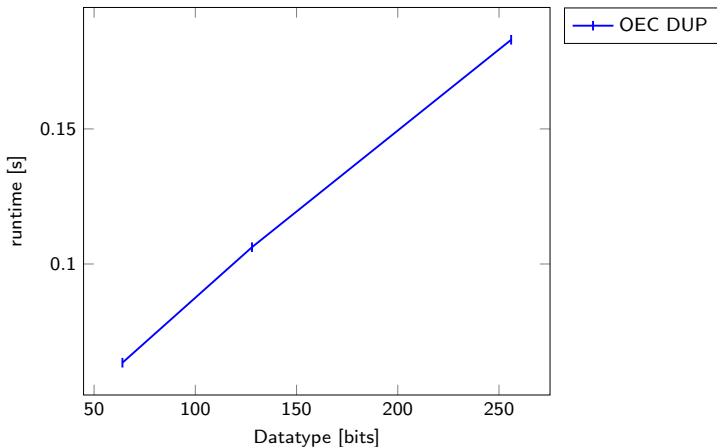# Sevarebench Measurement Results

MP-Slice Scalable Search
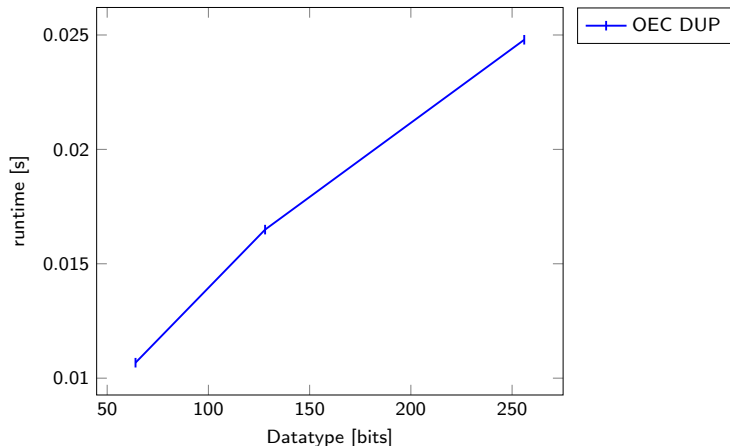
Various Measurements

January 29, 2023

MP-Slice Runtimes Datatype Fixed Input: 40960 -d d64 (uint64)

- Ref.Problem: Scalable Search
- Library: MP-Slice - Fixed Input: 40960 -d d64 (uint64)
- Metric: Datatype - runtime
- Switches: Preprocessing: 0, Split Roles: 0, Pack Bool: 0, Optimize Sharing: 1
- Specs: 7543(2.8GHz) 512GiB 25Gbits

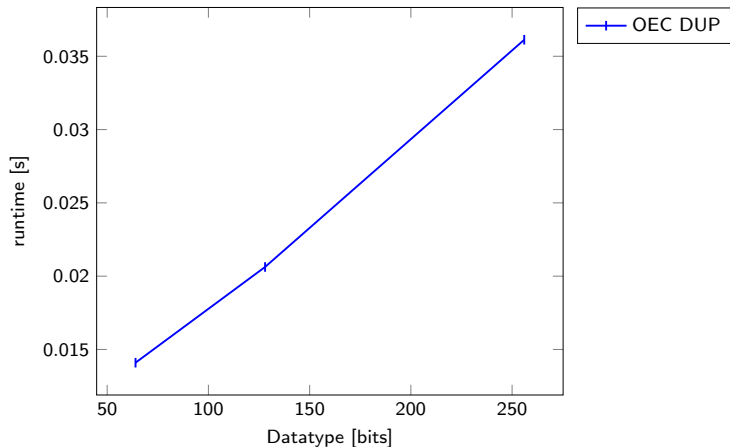# MP-Slice Runtimes Datatype Fixed Input: 40960 -d d64 (uint64)

- Ref.Problem: Scalable Search
- Library: MP-Slice - Fixed Input: 40960 -d d64 (uint64)
- Metric: Datatype - runtime
- Switches: Preprocessing: 1, Split Roles: 1, Pack Bool: 0, Optimize Sharing: 1
- Specs: 7543(2.8GHz) 512GiB 25Gbits

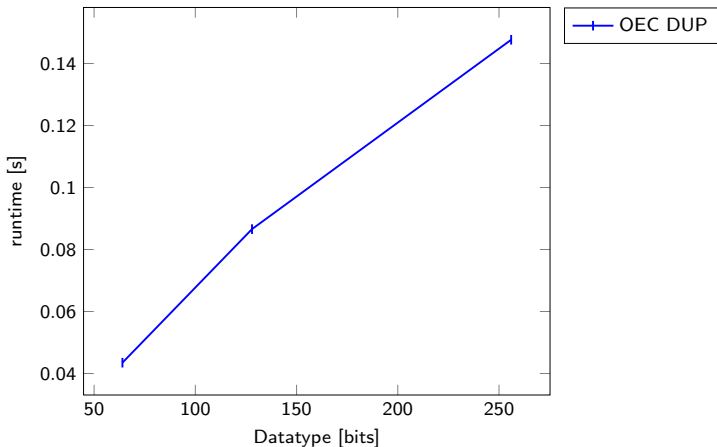# MP-Slice Runtimes Datatype Fixed Input: 40960 -d d64 (uint64)

- Ref.Problem: Scalable Search
- Library: MP-Slice - Fixed Input: 40960 -d d64 (uint64)
- Metric: Datatype - runtime
- Switches: Preprocessing: 0, Split Roles: 1, Pack Bool: 0, Optimize Sharing: 1
- Specs: 7543(2.8GHz) 512GiB 25Gbits

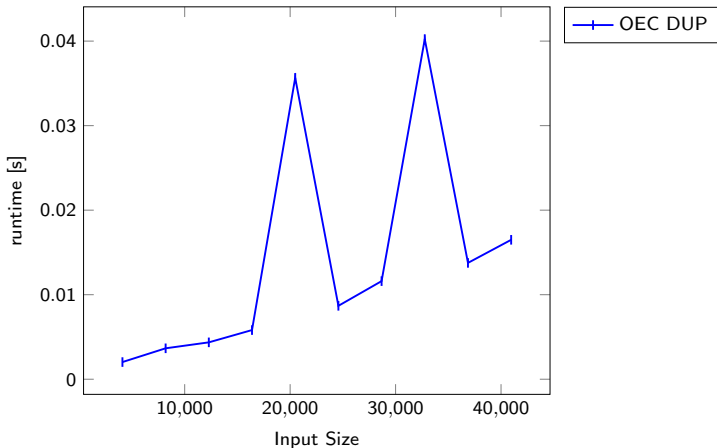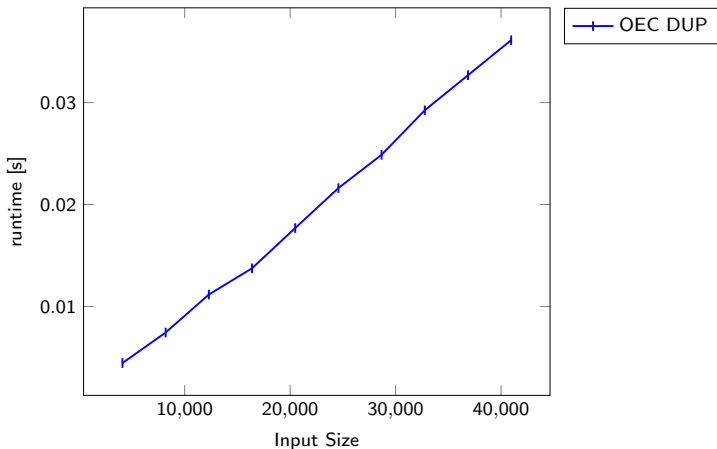# MP-Slice Runtimes Datatype Fixed Input: 40960 -d d64 (uint64)

- Ref.Problem: Scalable Search
- Library: MP-Slice - Fixed Input: 40960 -d d64 (uint64)
- Metric: Datatype - runtime
- Switches: Preprocessing: 1, Split Roles: 0, Pack Bool: 0, Optimize Sharing: 1
- Specs: 7543(2.8GHz) 512GiB 25Gbits

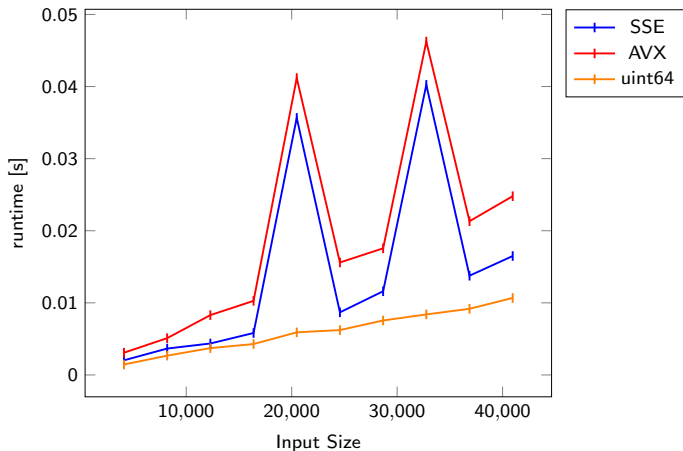# MP-Slice Runtimes Input Size Datatype -d d128 (SSE)

- Ref.Problem: Scalable Search
- Library: MP-Slice - Datatype -d d128 (SSE)
- Metric: Input Size - runtime
- Switches: Preprocessing: 1, Split Roles: 1, Pack Bool: 0, Optimize Sharing: 1
- Specs: 7543(2.8GHz) 512GiB 25Gbits

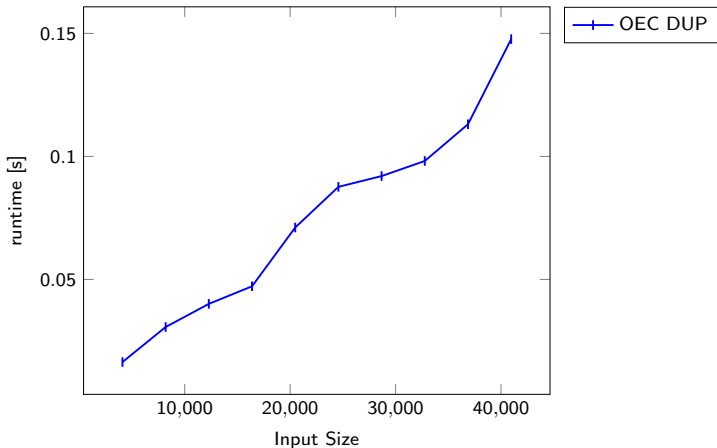# MP-Slice Runtimes Input Size Datatype -d d256 (AVX)

- Ref.Problem: Scalable Search
- Library: MP-Slice - Datatype -d d256 (AVX)
- Metric: Input Size - runtime
- Switches: Preprocessing: 0, Split Roles: 1, Pack Bool: 0, Optimize Sharing: 1
- Specs: 7543(2.8GHz) 512GiB 25Gbits

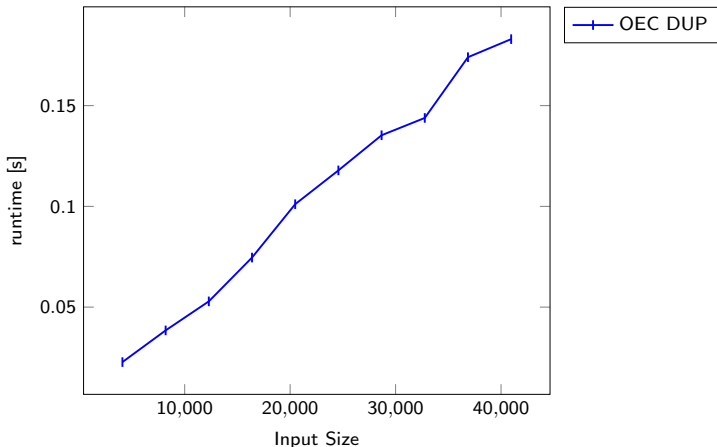# MP-Slice Runtimes Input Size Protocol -s 4 (OEC DUP)

- Ref.Problem: Scalable Search
- Library: MP-Slice - Protocol -s 4 (OEC DUP)
- Metric: Input Size - runtime
- Switches: Preprocessing: 1, Split Roles: 1, Pack Bool: 0, Optimize Sharing: 1
- Specs: 7543(2.8GHz) 512GiB 25Gbits

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: 7543(2.8GHz) 512GiB 25Gbits

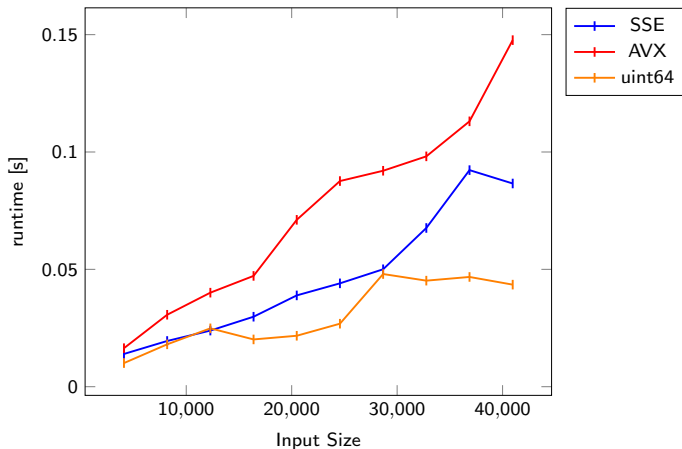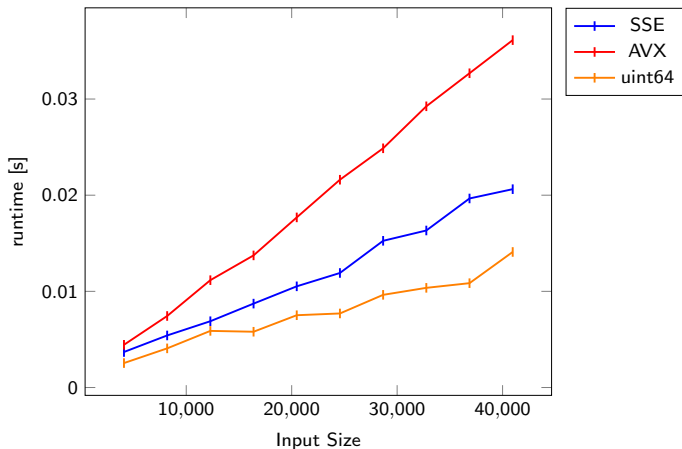# MP-Slice Runtimes Input Size Datatype -d d256 (AVX)

- 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: 7543(2.8GHz) 512GiB 25Gbits

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: 7543(2.8GHz) 512GiB 25Gbits

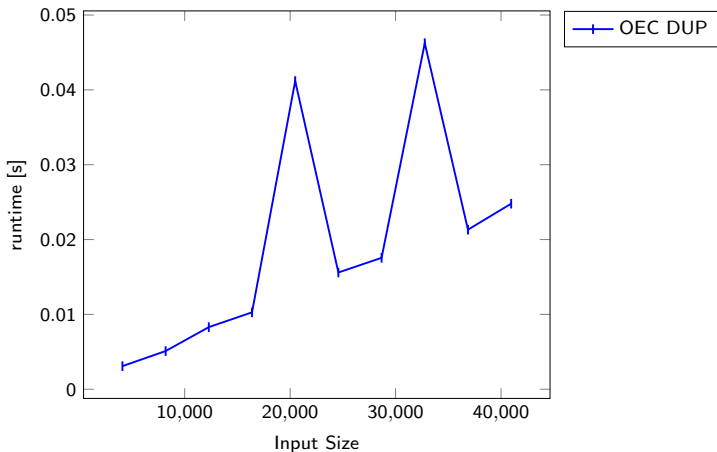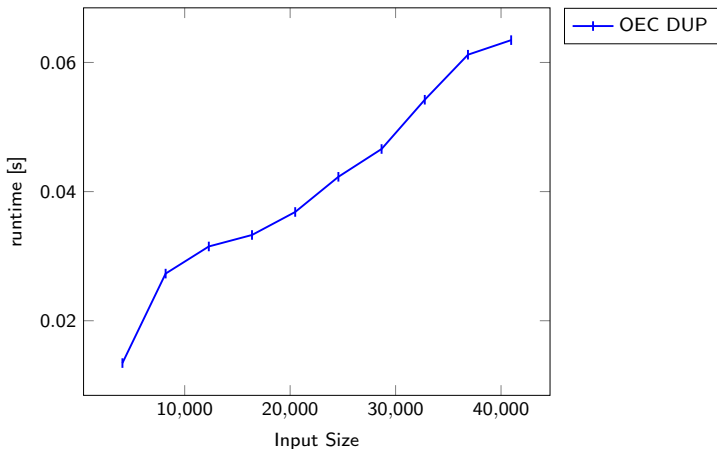# MP-Slice Runtimes Input Size Protocol -s 4 (OEC DUP)

- Ref.Problem: Scalable Search
- Library: MP-Slice - Protocol -s 4 (OEC DUP)
- Metric: Input Size - runtime
- Switches: Preprocessing: 0, Split Roles: 1, Pack Bool: 0, Optimize Sharing: 1
- Specs: 7543(2.8GHz) 512GiB 25Gbits

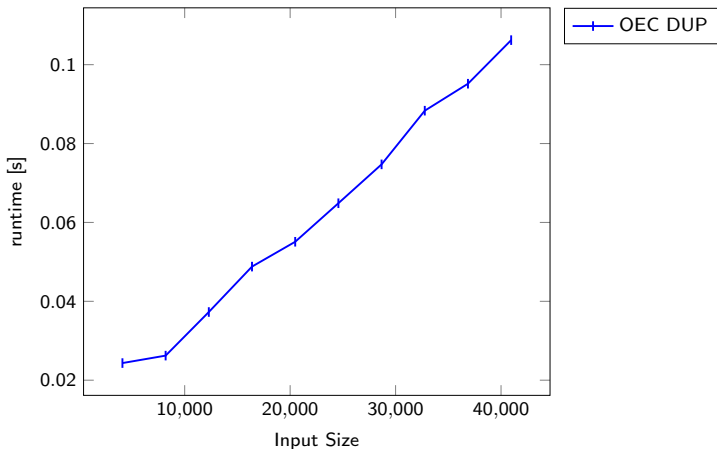# MP-Slice Runtimes Input Size Datatype -d d256 (AVX)

- Ref.Problem: Scalable Search
- Library: MP-Slice - Datatype -d d256 (AVX)
- Metric: Input Size - runtime
- Switches: Preprocessing: 1, Split Roles: 1, Pack Bool: 0, Optimize Sharing: 1
- Specs: 7543(2.8GHz) 512GiB 25Gbits

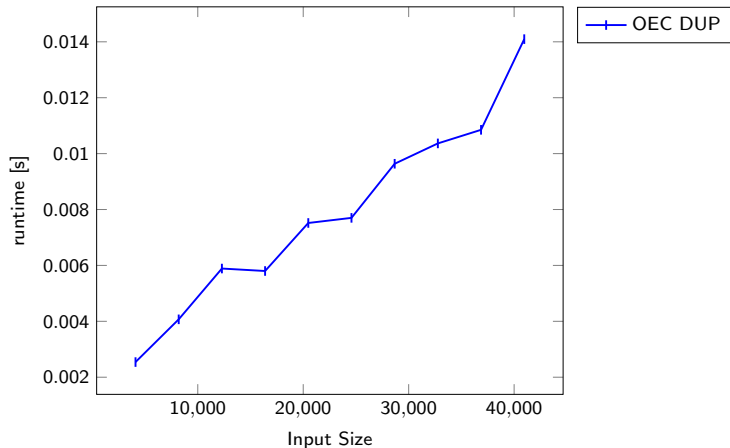# MP-Slice Runtimes Input Size Datatype -d d64 (uint64)

- 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: 7543(2.8GHz) 512GiB 25Gbits

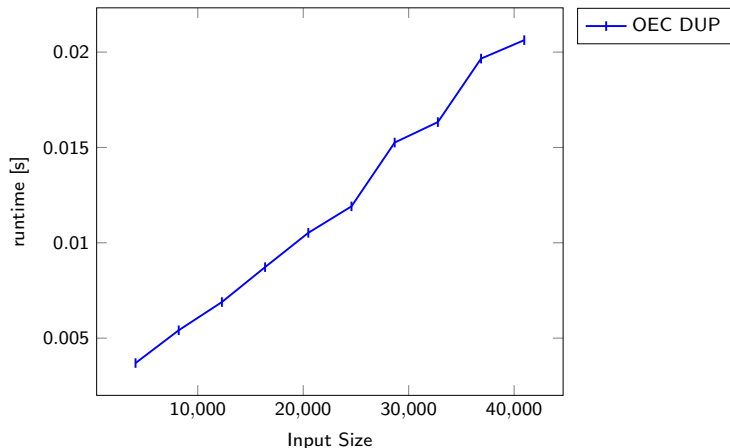# MP-Slice Runtimes Input Size Datatype -d d128 (SSE)

- 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: 7543(2.8GHz) 512GiB 25Gbits

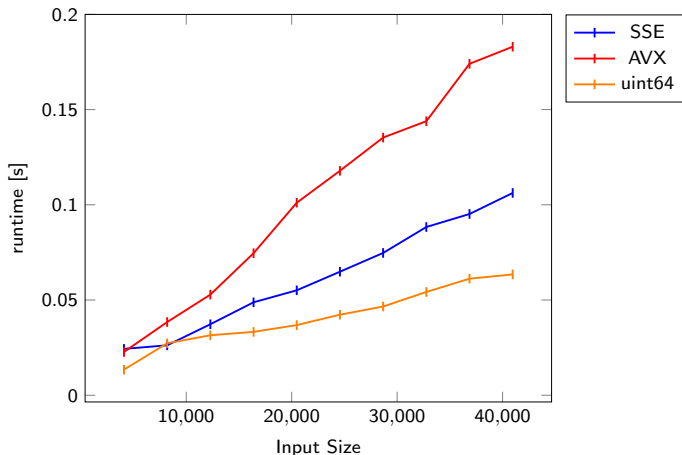# MP-Slice Runtimes Input Size Datatype -d d64 (uint64)

- 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: 7543(2.8GHz) 512GiB 25Gbits

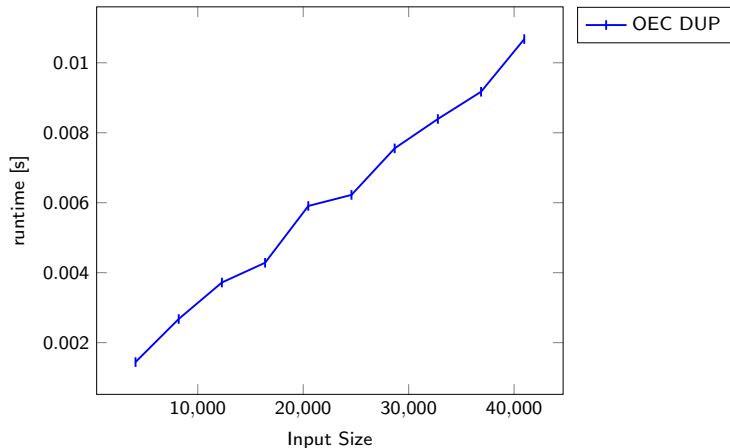# MP-Slice Runtimes Input Size Datatype -d d128 (SSE)

- Ref.Problem: Scalable Search
- Library: MP-Slice - Datatype -d d128 (SSE)
- Metric: Input Size - runtime
- Switches: Preprocessing: 0, Split Roles: 1, Pack Bool: 0, Optimize Sharing: 1
- Specs: 7543(2.8GHz) 512GiB 25Gbits

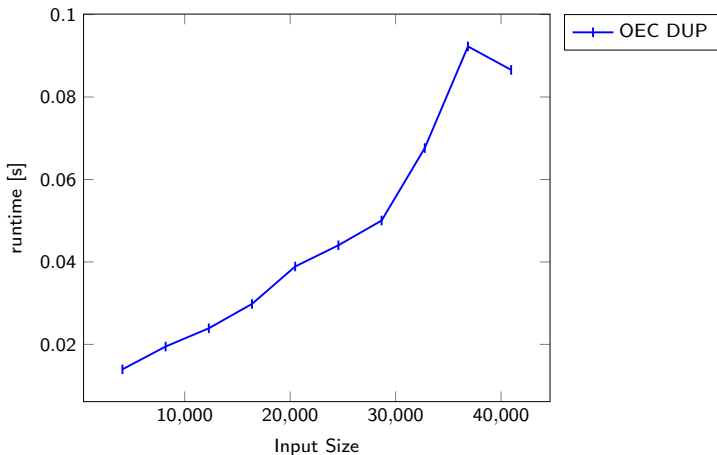# MP-Slice Runtimes Input Size Protocol -s 4 (OEC DUP)

- – 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: 7543(2.8GHz) 512GiB 25Gbits

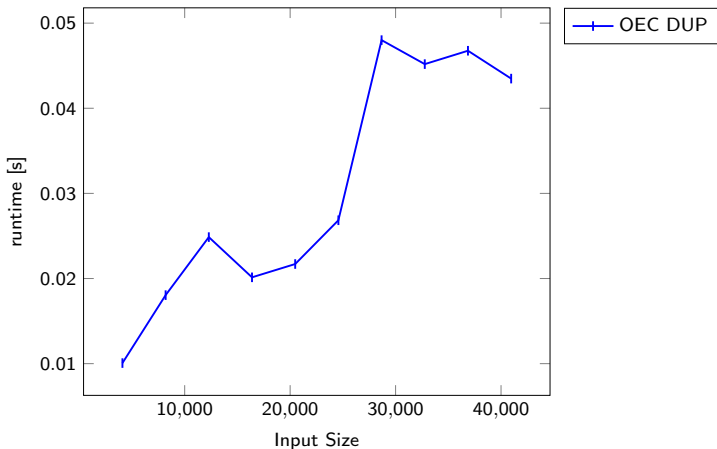# MP-Slice Runtimes Input Size Datatype -d d64 (uint64)

- Ref.Problem: Scalable Search
- Library: MP-Slice - Datatype -d d64 (uint64)
- Metric: Input Size - runtime
- Switches: Preprocessing: 1, Split Roles: 1, Pack Bool: 0, Optimize Sharing: 1
- Specs: 7543(2.8GHz) 512GiB 25Gbits

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: 7543(2.8GHz) 512GiB 25Gbits

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: 7543(2.8GHz) 512GiB 25Gbits