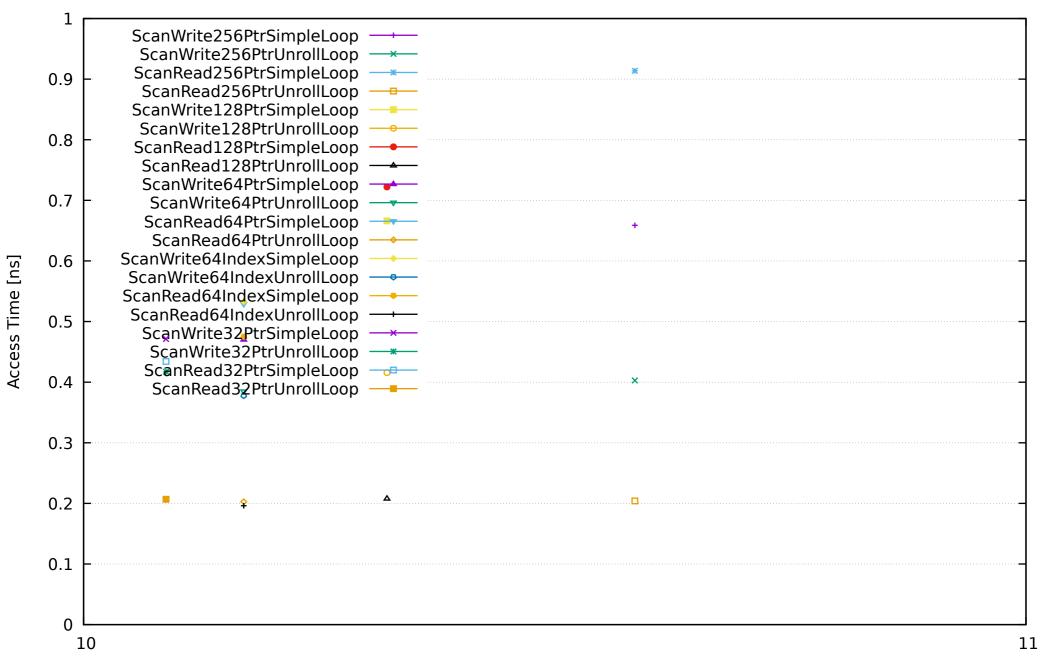
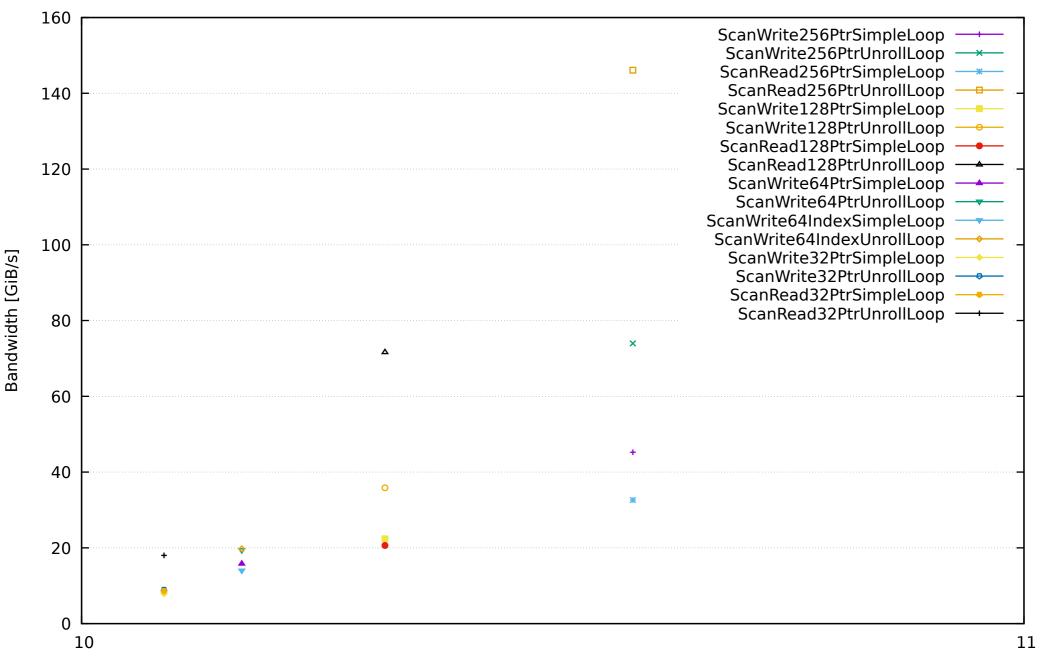
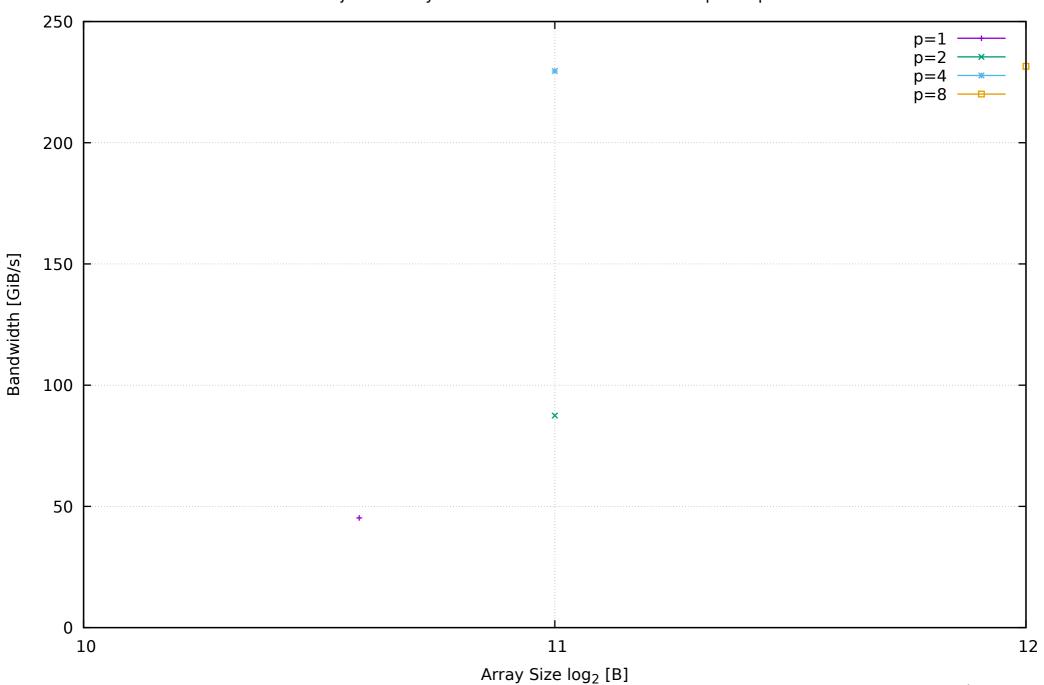
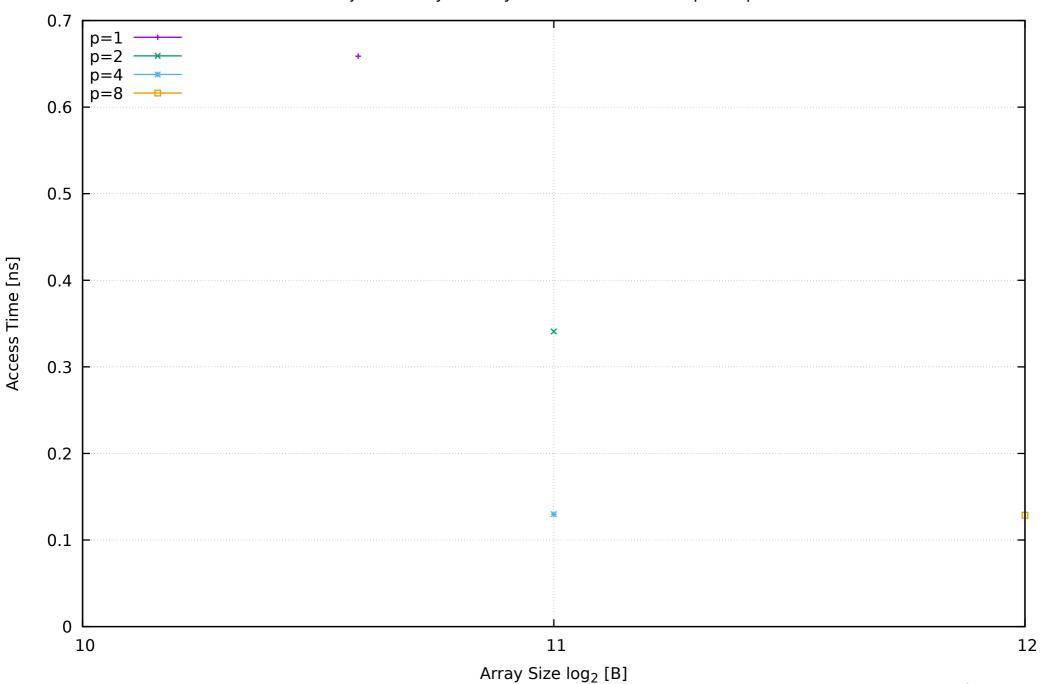


jc - One Thread Memory Latency (excluding Permutation)

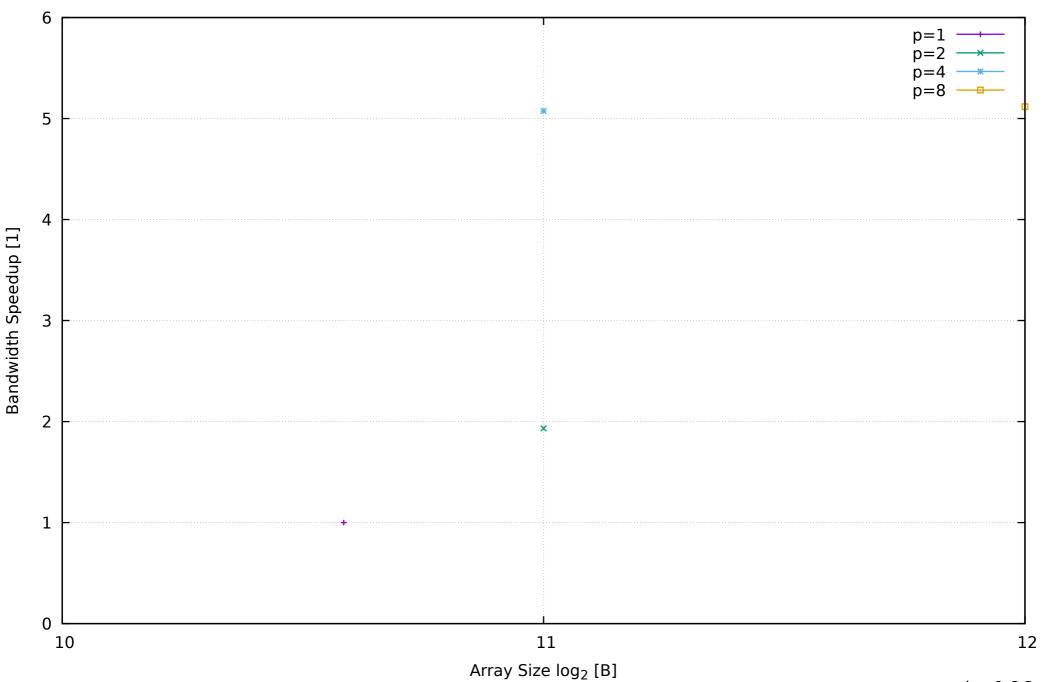


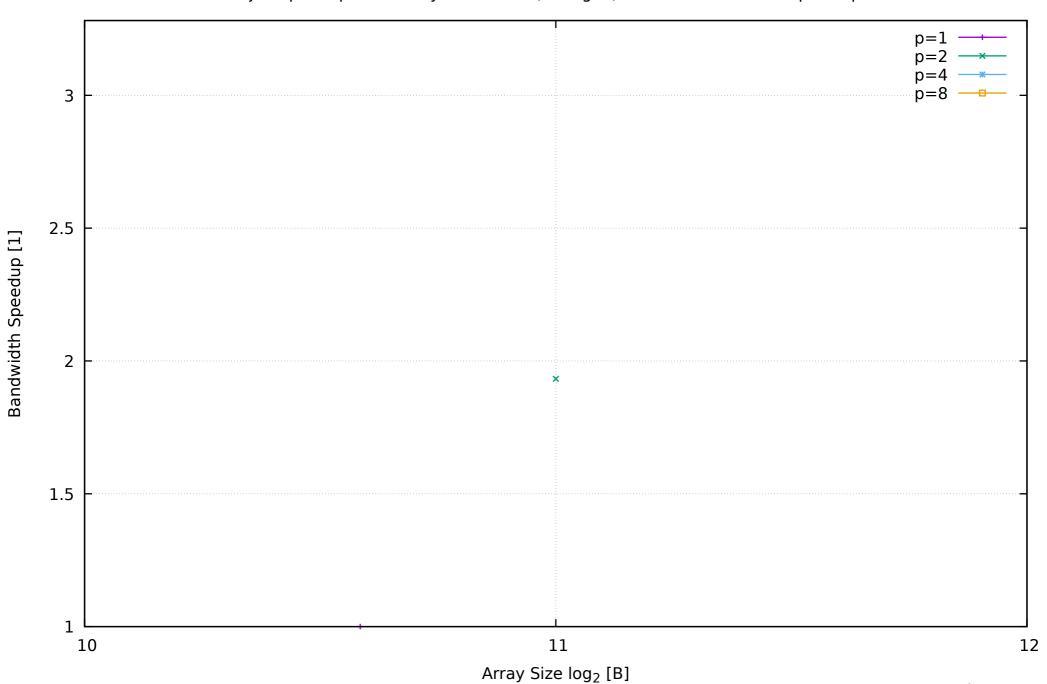


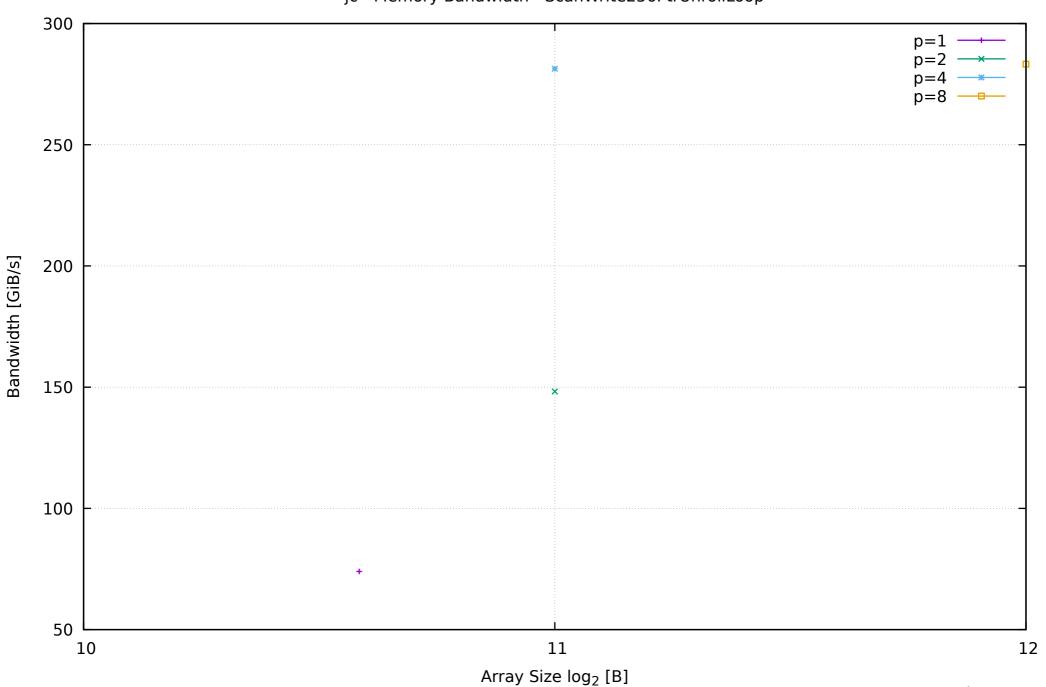


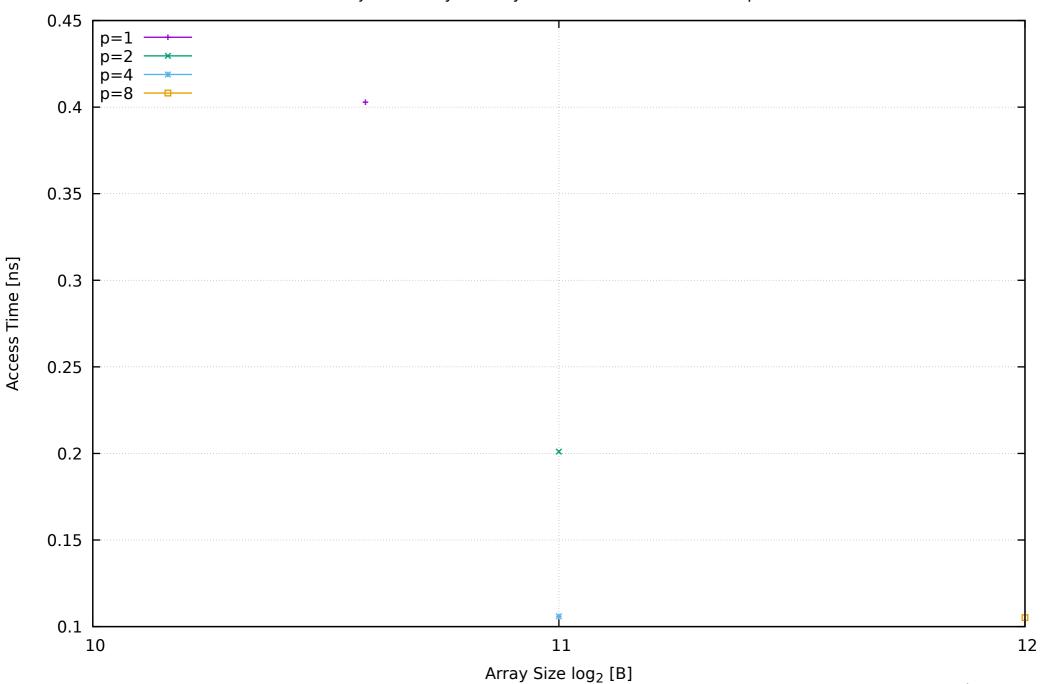


jc - Speedup of Memory Bandwidth - ScanWrite256PtrSimpleLoop

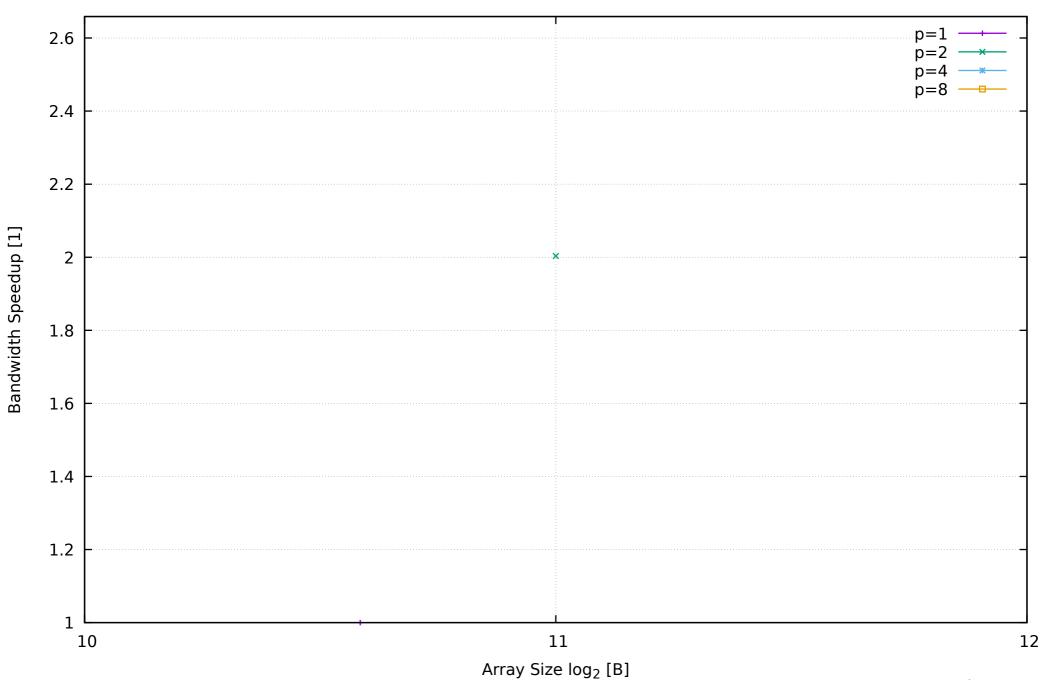


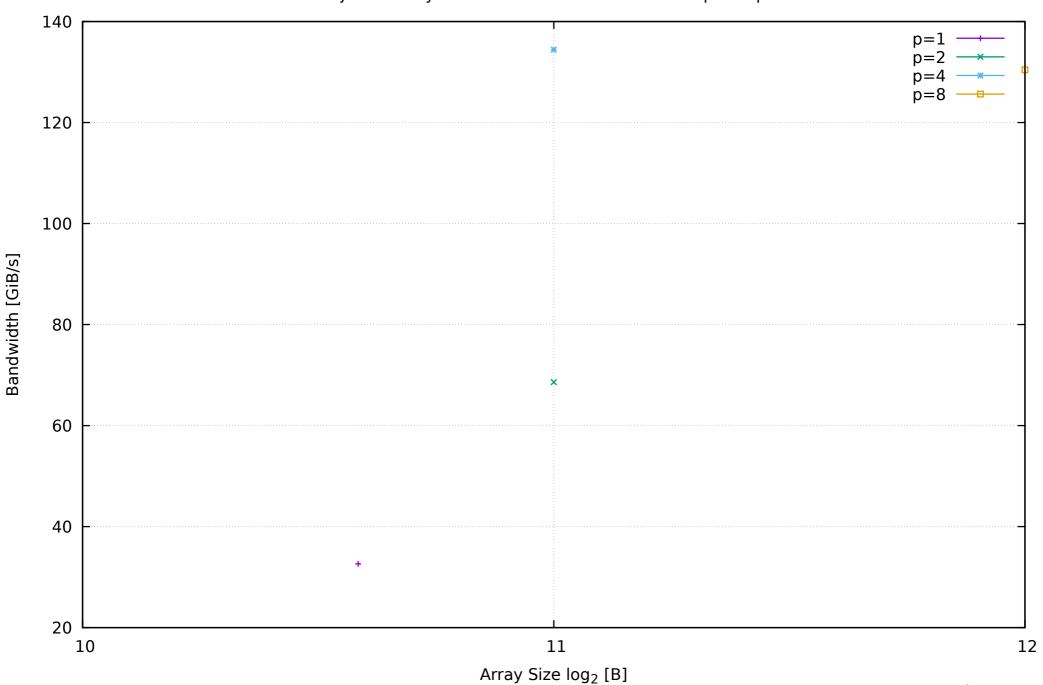


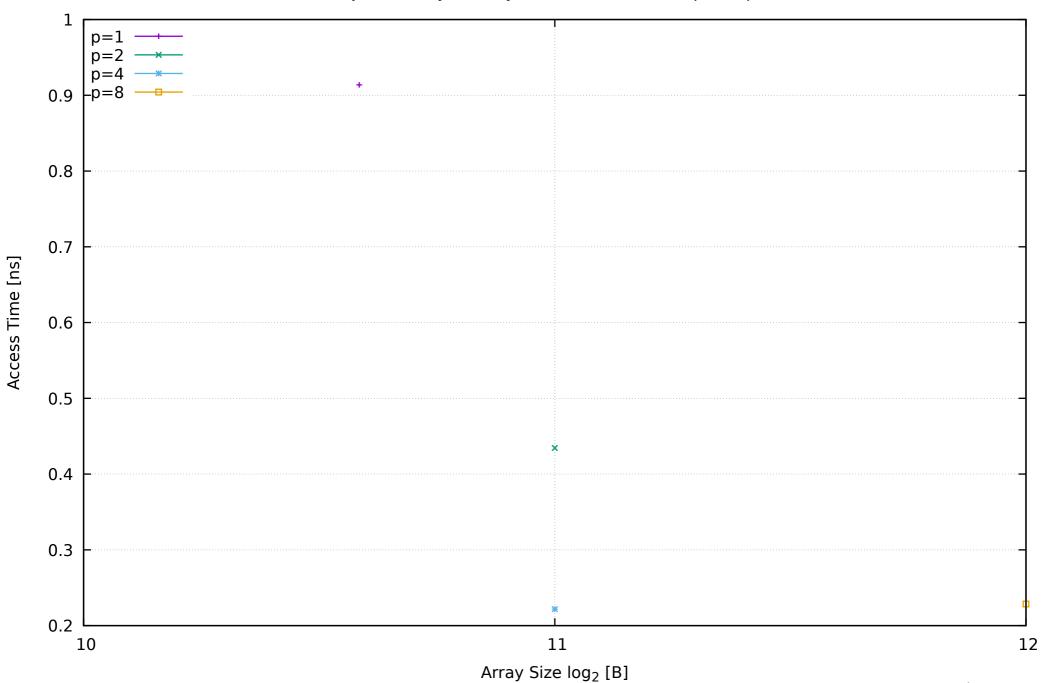


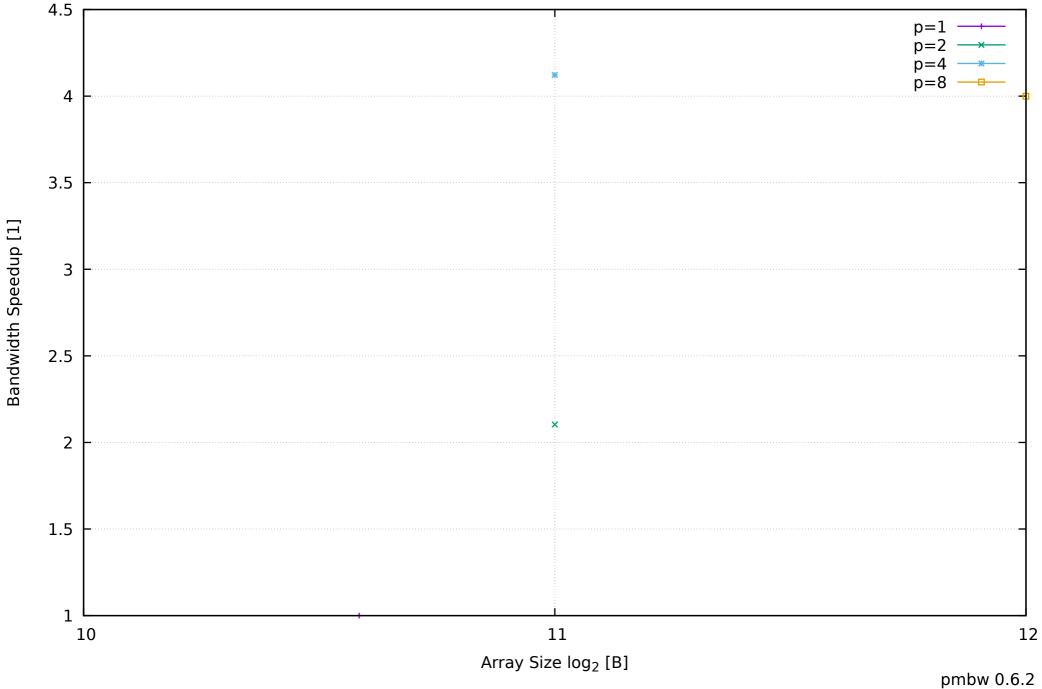


jc - Speedup of Memory Bandwidth (enlarged) - ScanWrite256PtrUnrollLoop









Array Size log₂ [B]

2.8

2.6

2.4

2.2

2

1.8

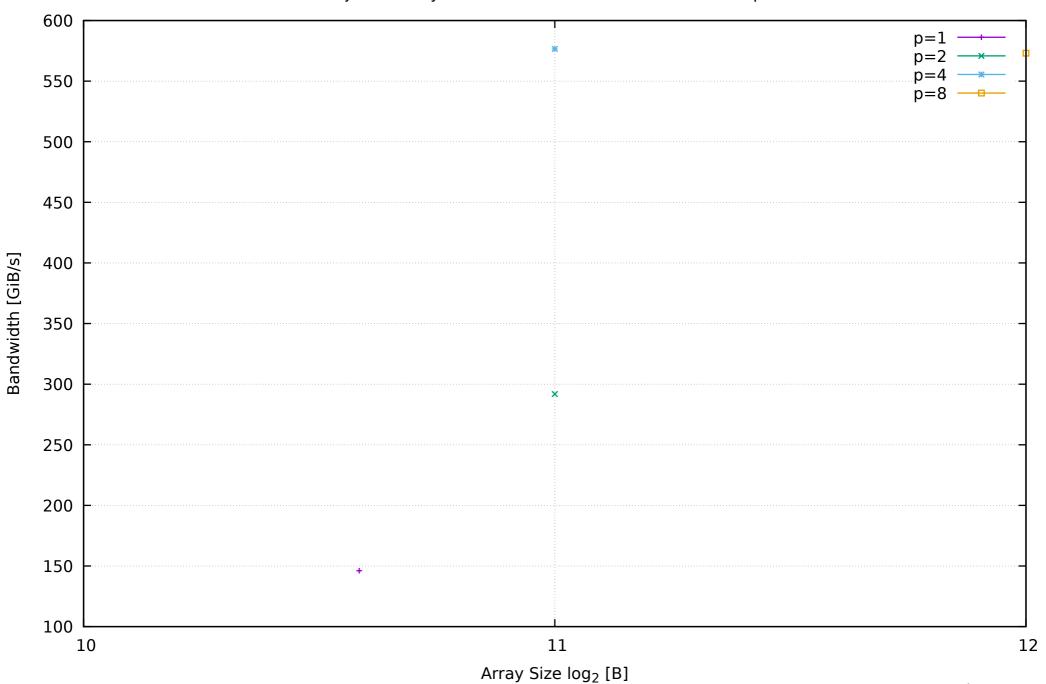
1.6

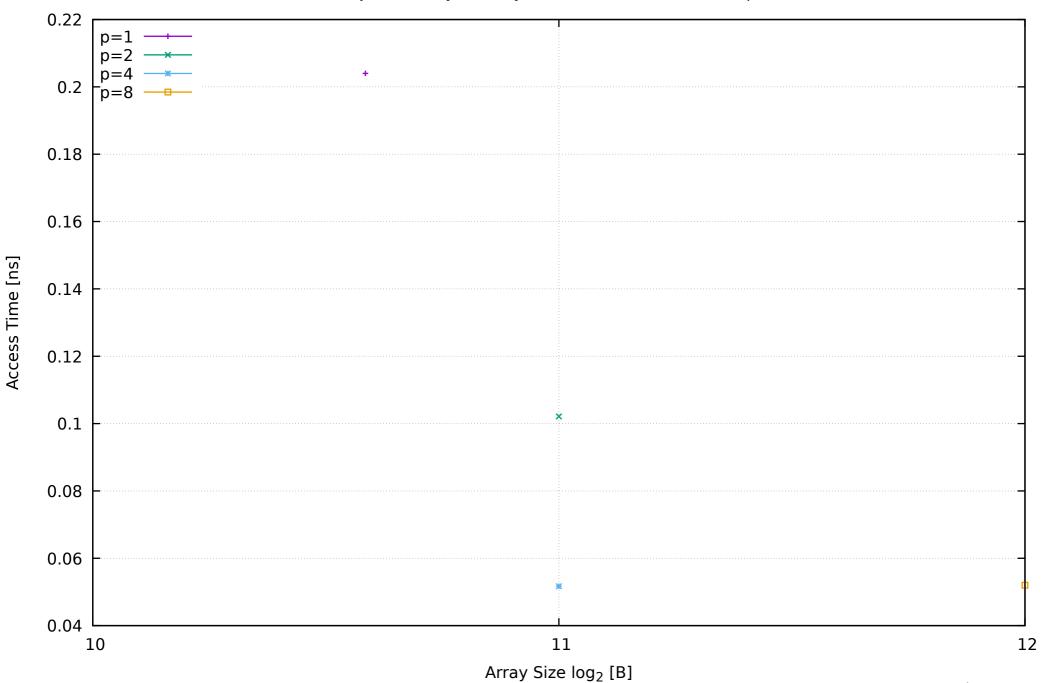
1.4

1.2

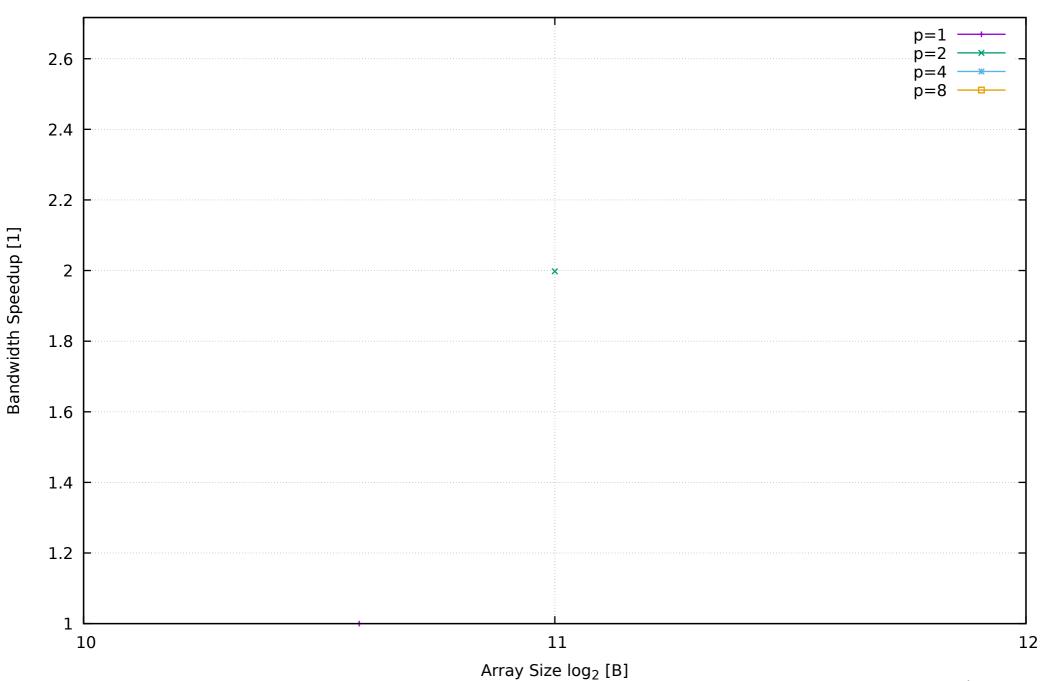
10

Bandwidth Speedup [1]





jc - Speedup of Memory Bandwidth (enlarged) - ScanRead256PtrUnrollLoop



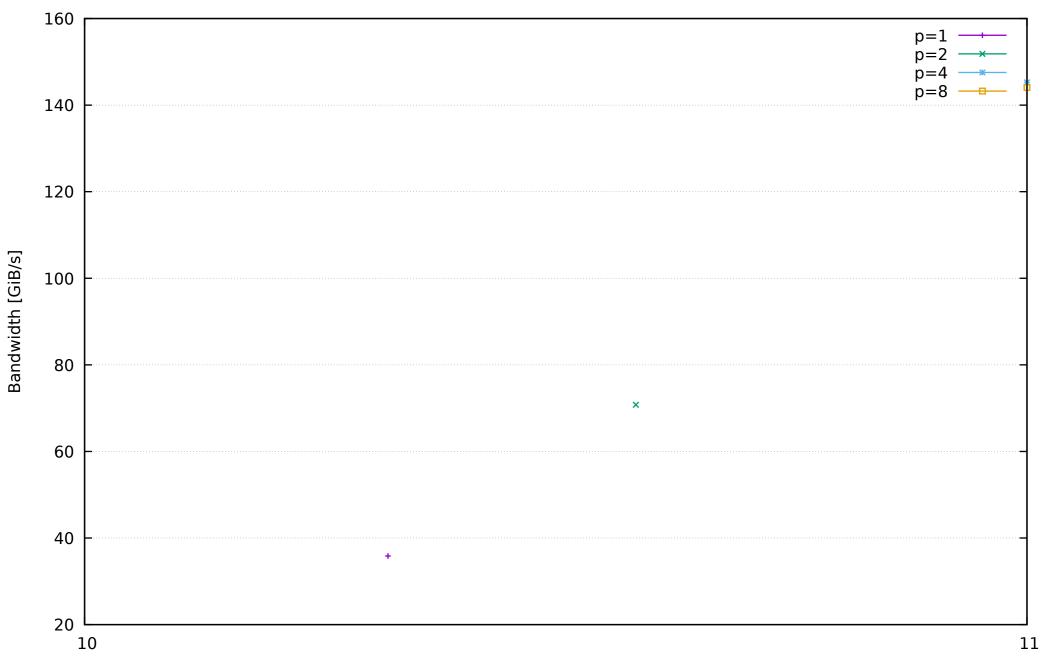
jc - Memory Bandwidth - ScanWrite128PtrSimpleLoop









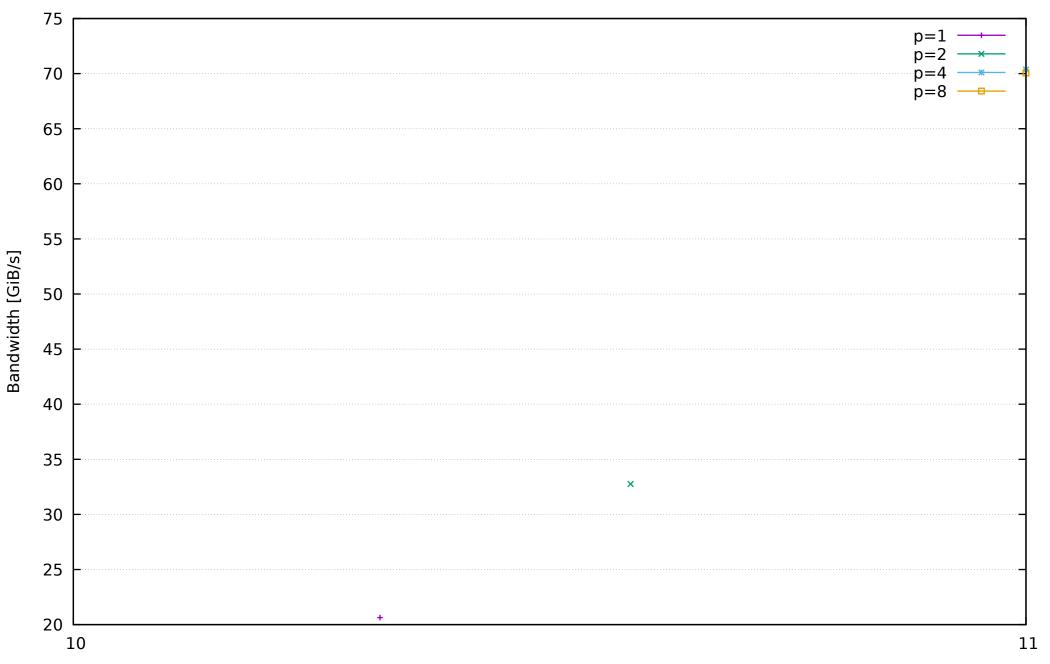






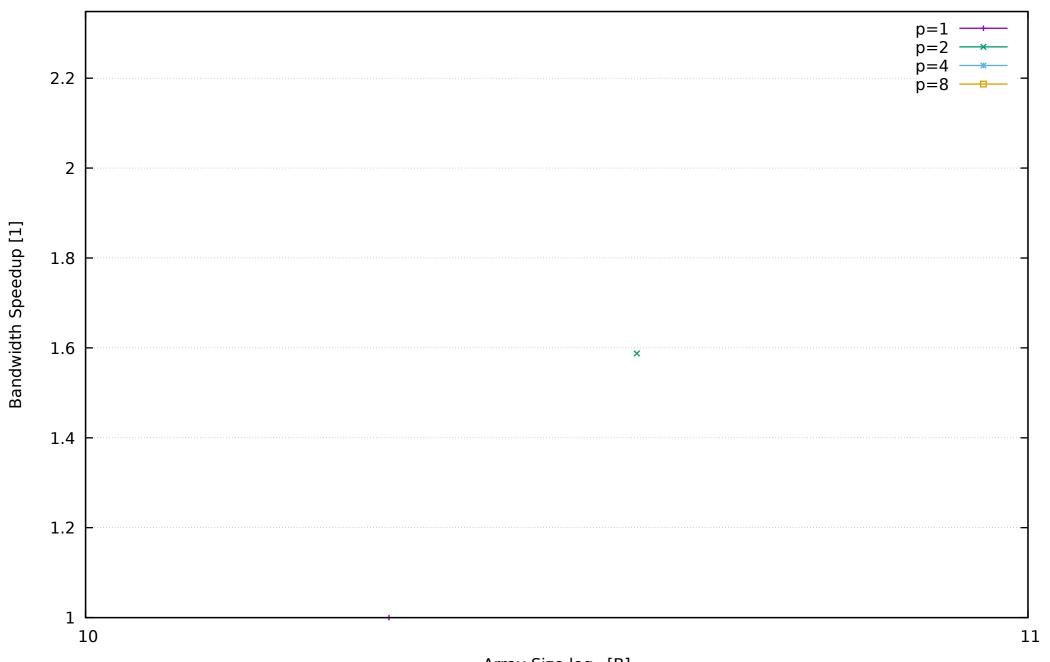
jc - Speedup of Memory Bandwidth (enlarged) - ScanWrite128PtrUnrollLoop











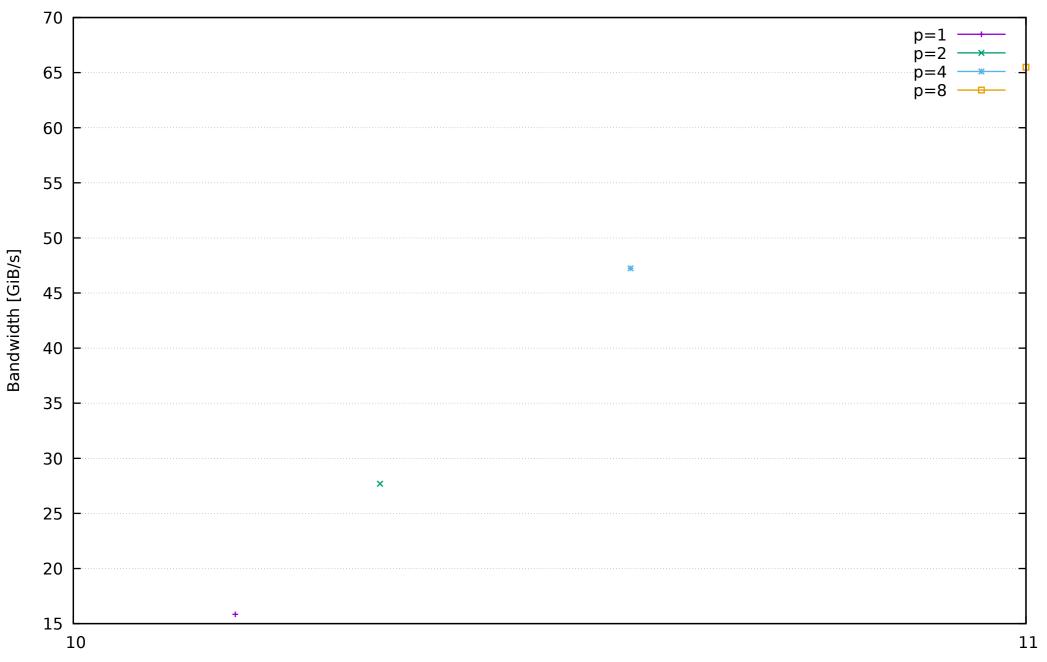


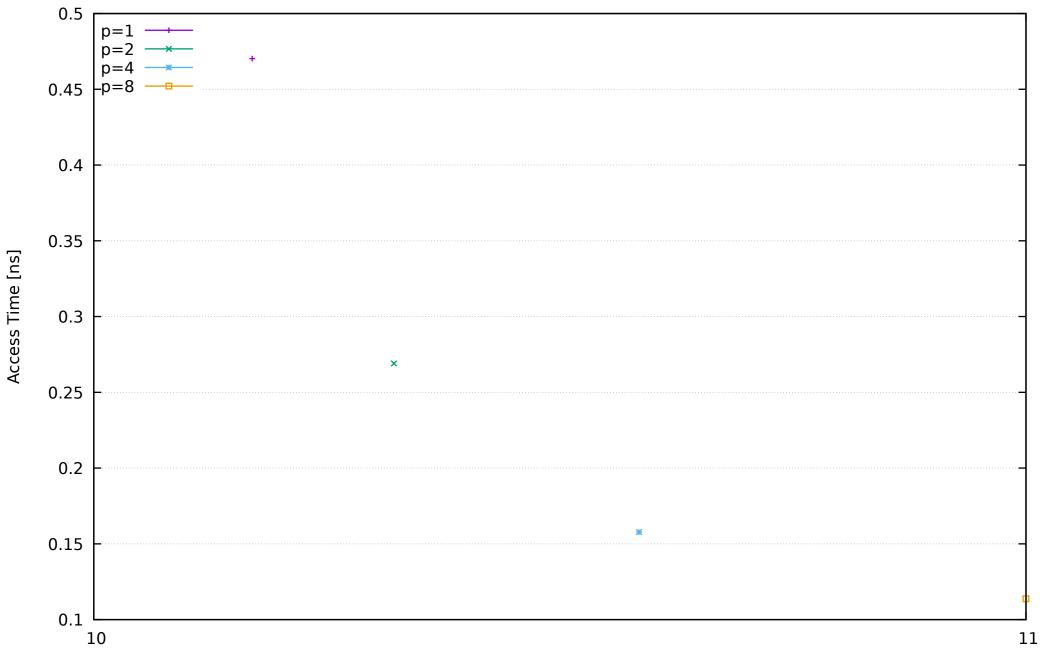


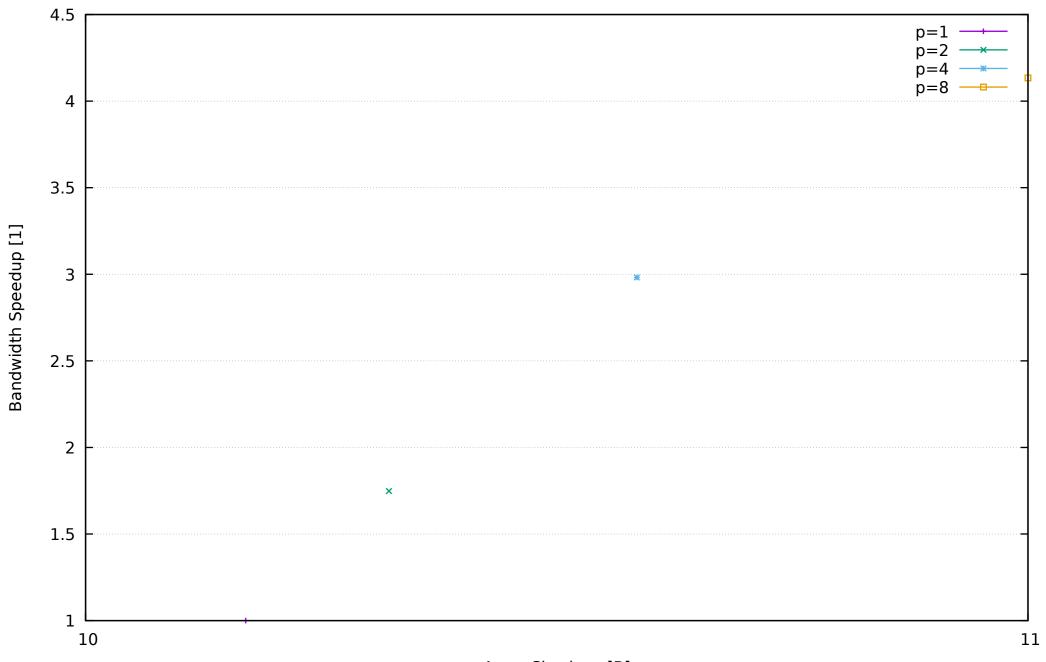


jc - Speedup of Memory Bandwidth (enlarged) - ScanRead128PtrUnrollLoop

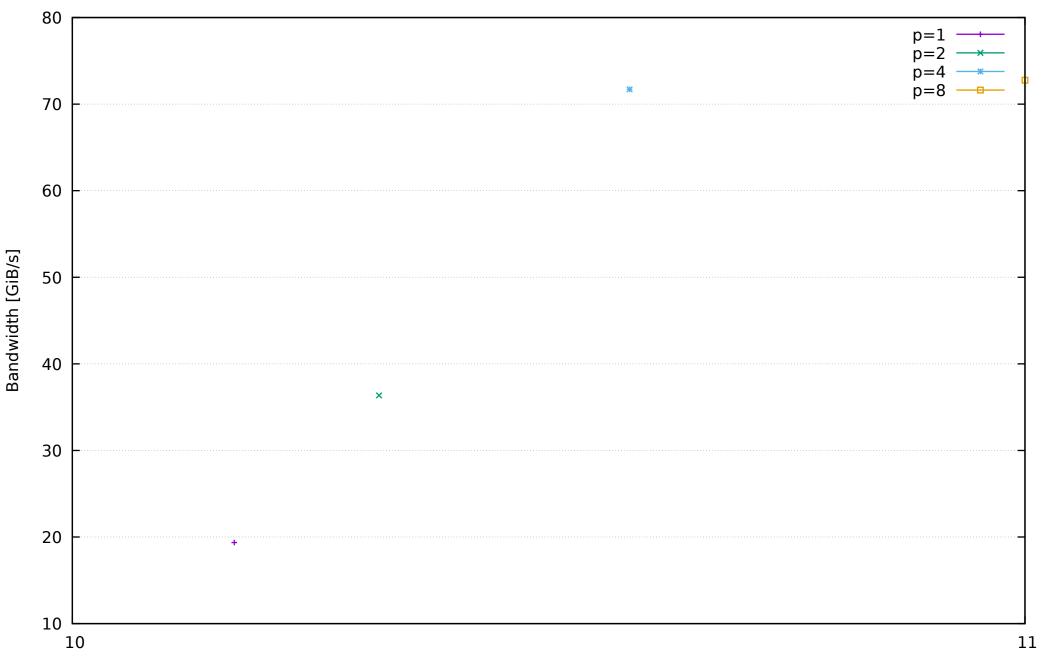


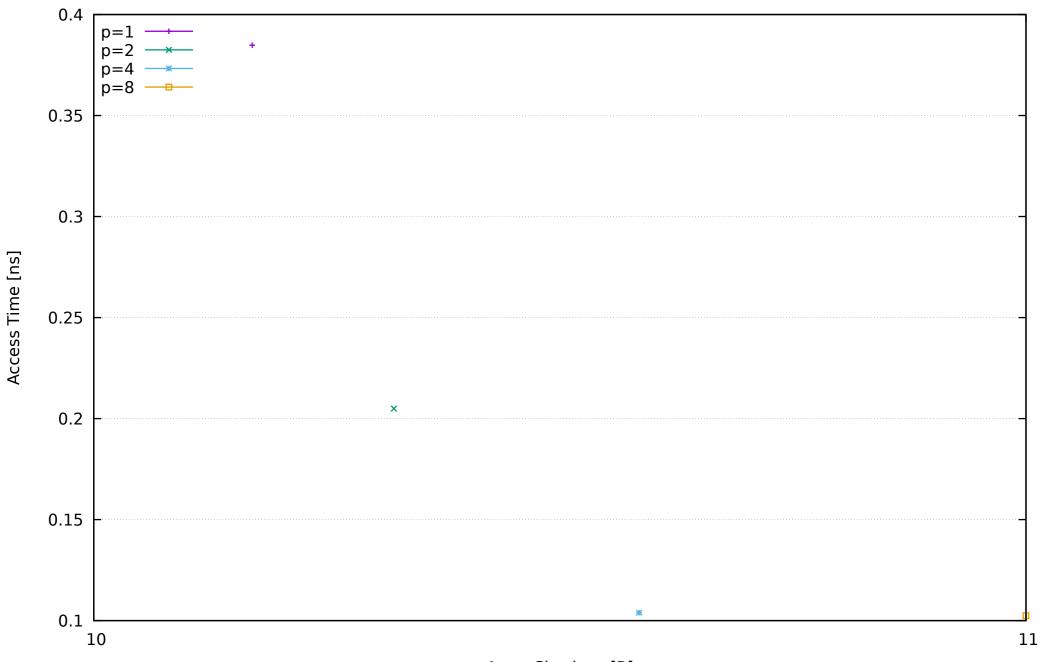












4

3.5

3

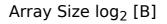
2.5

2

1.5

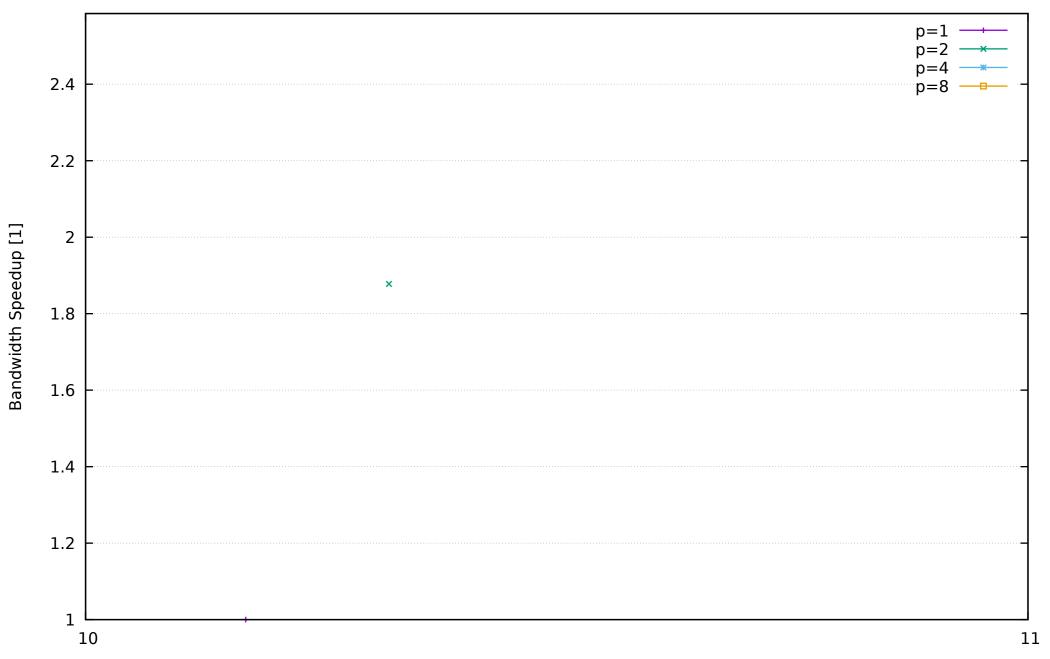
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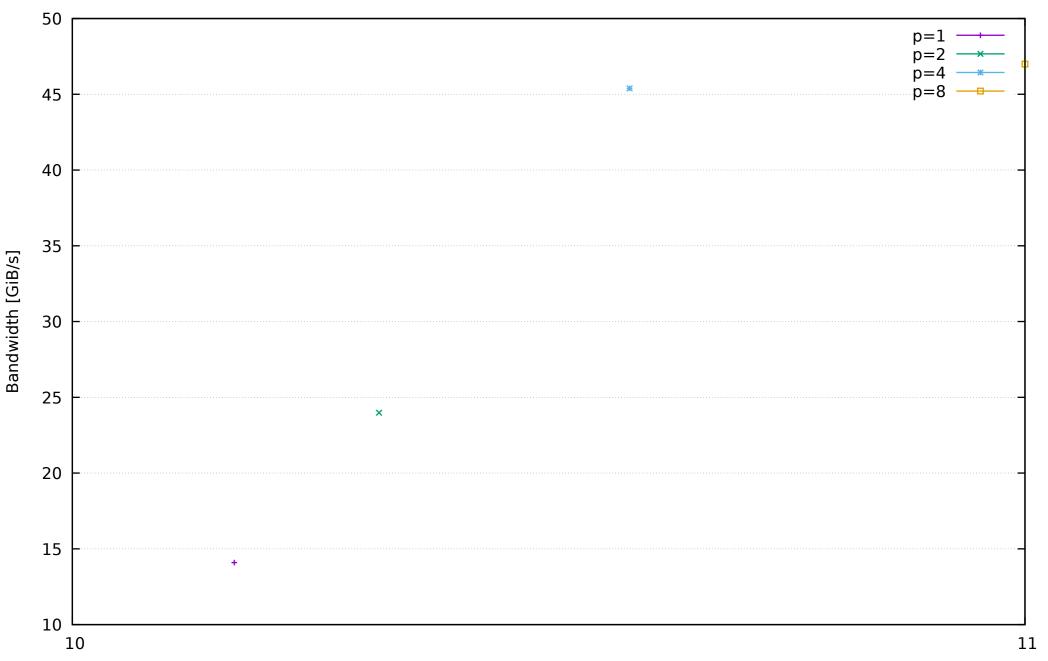
Bandwidth Speedup [1]

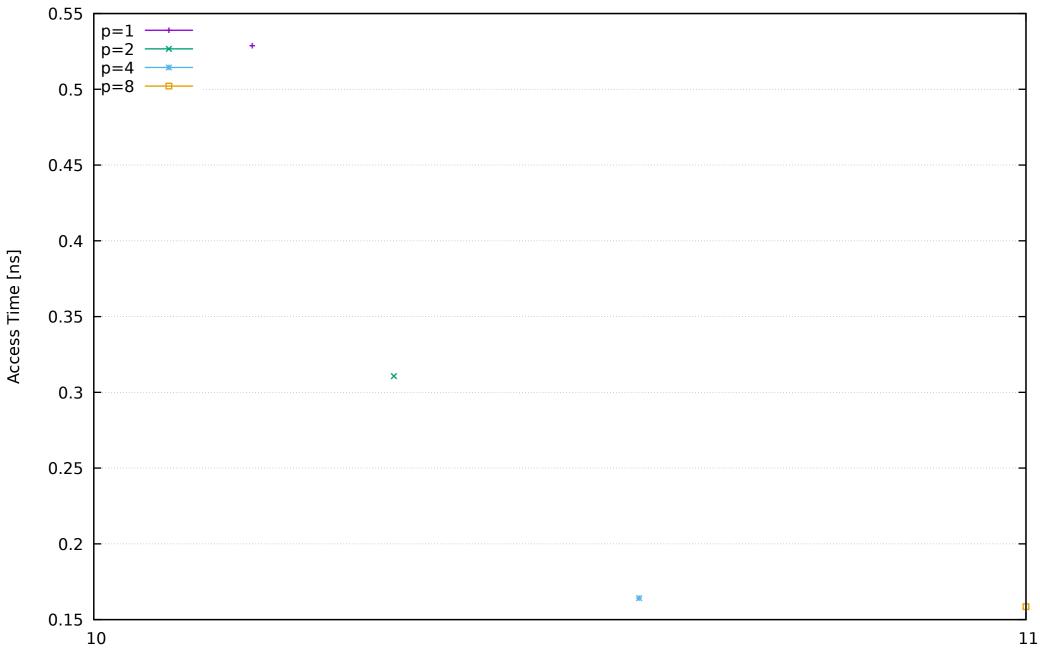


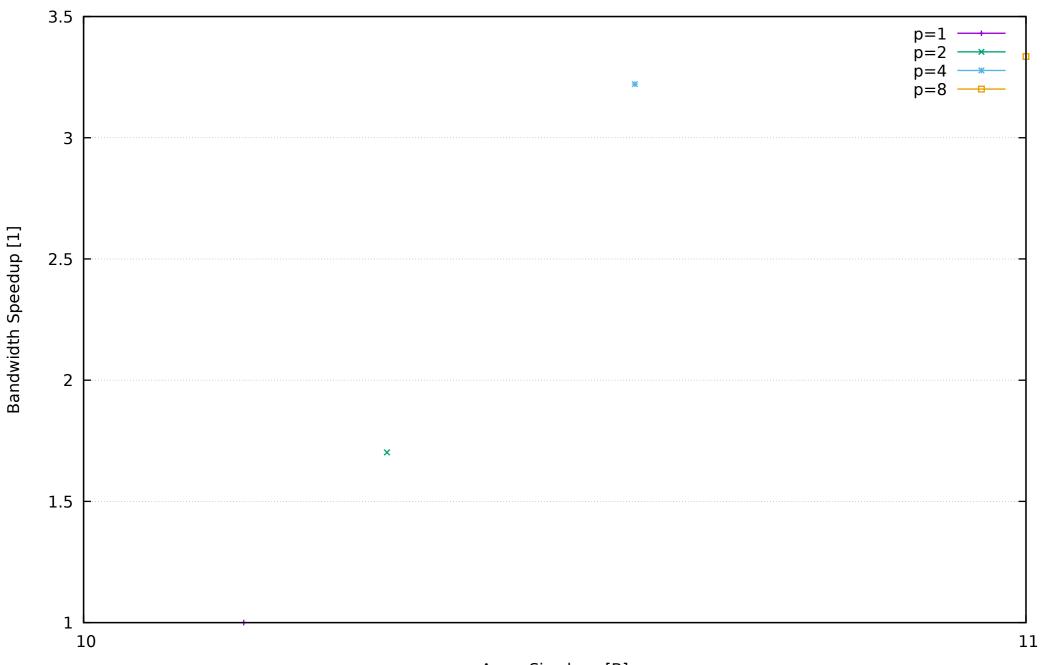
11

jc - Speedup of Memory Bandwidth (enlarged) - ScanWrite64PtrUnrollLoop



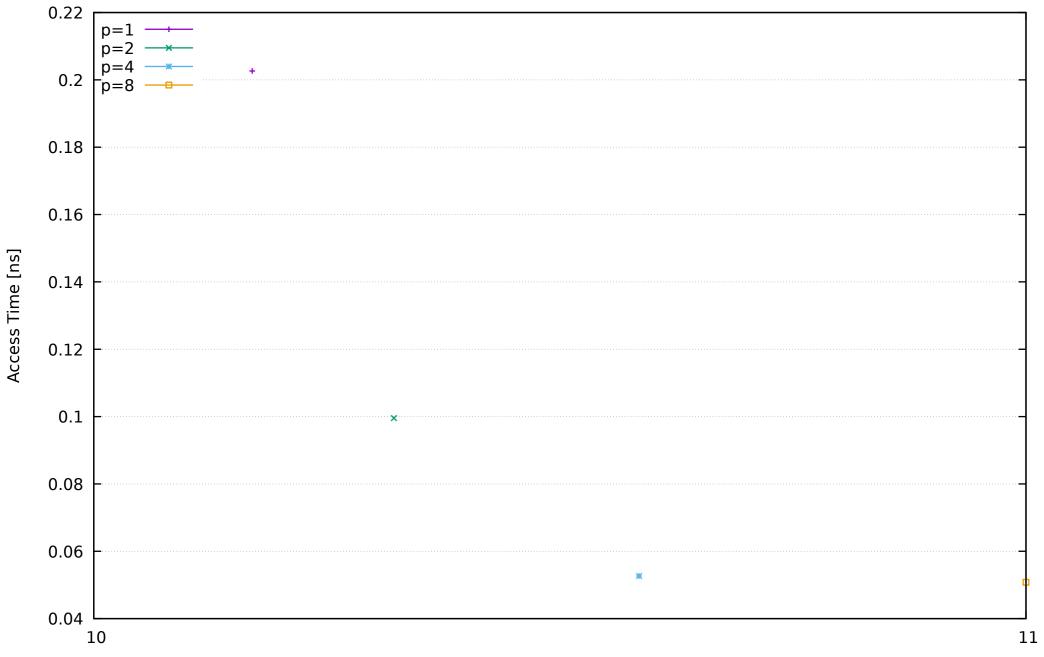




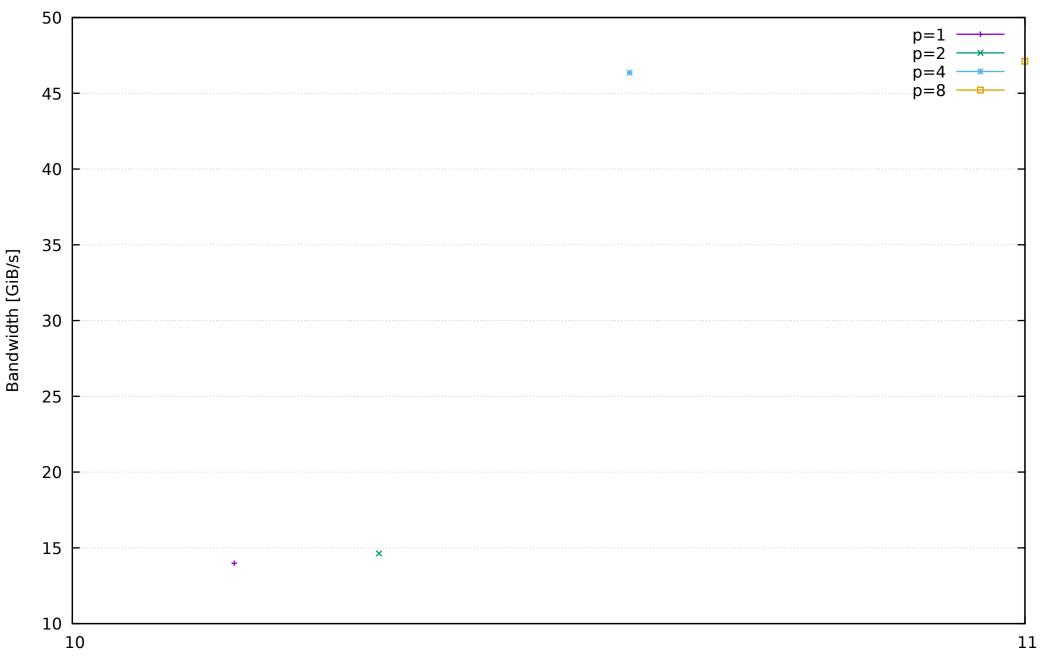


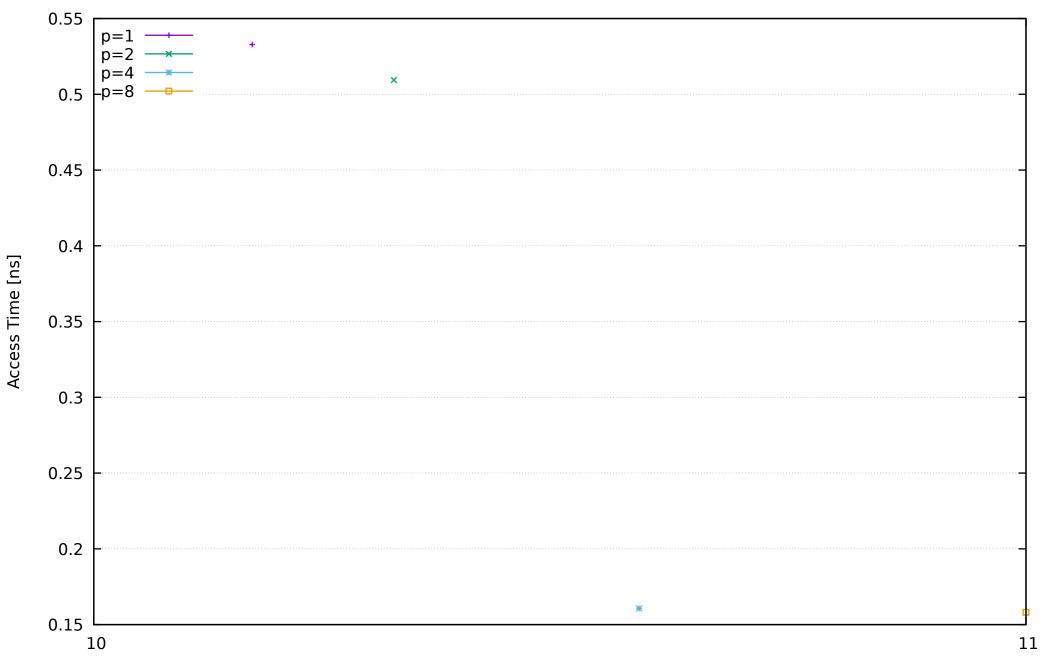






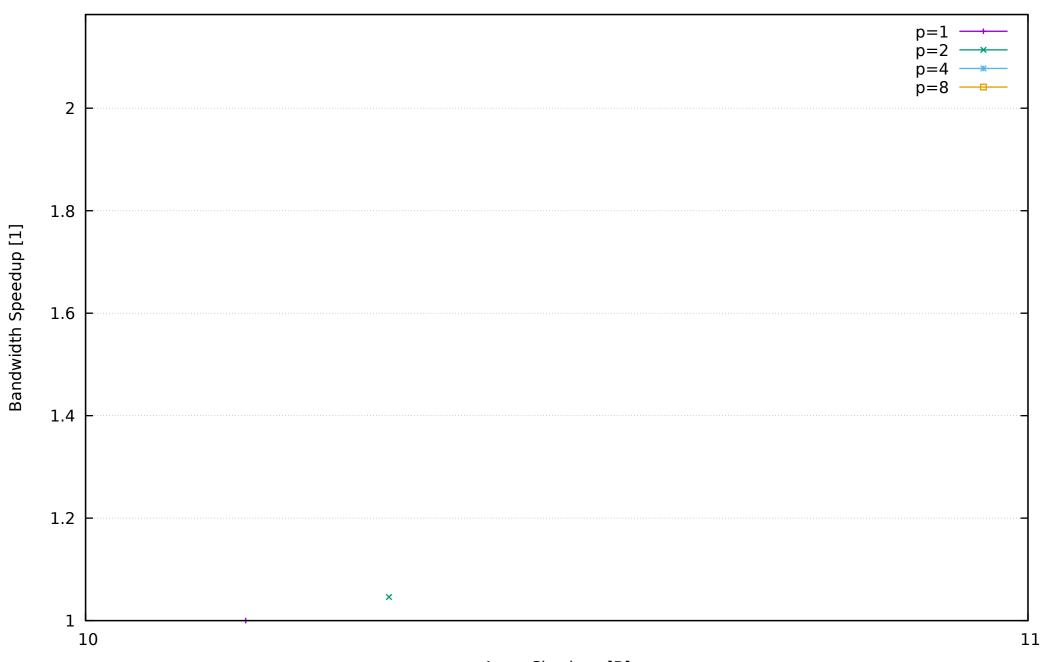


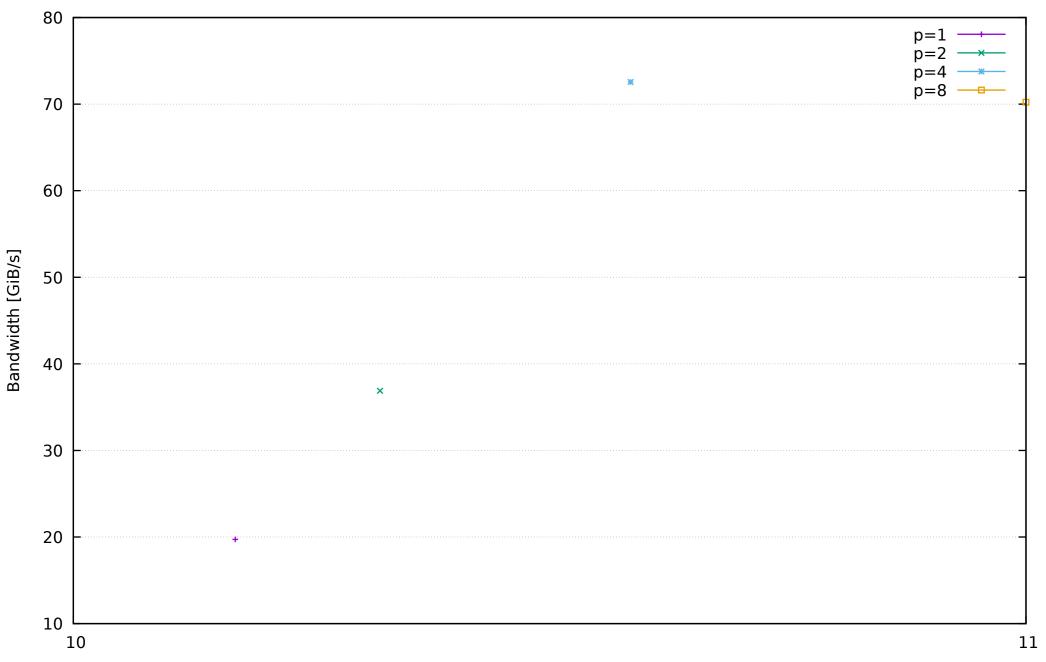


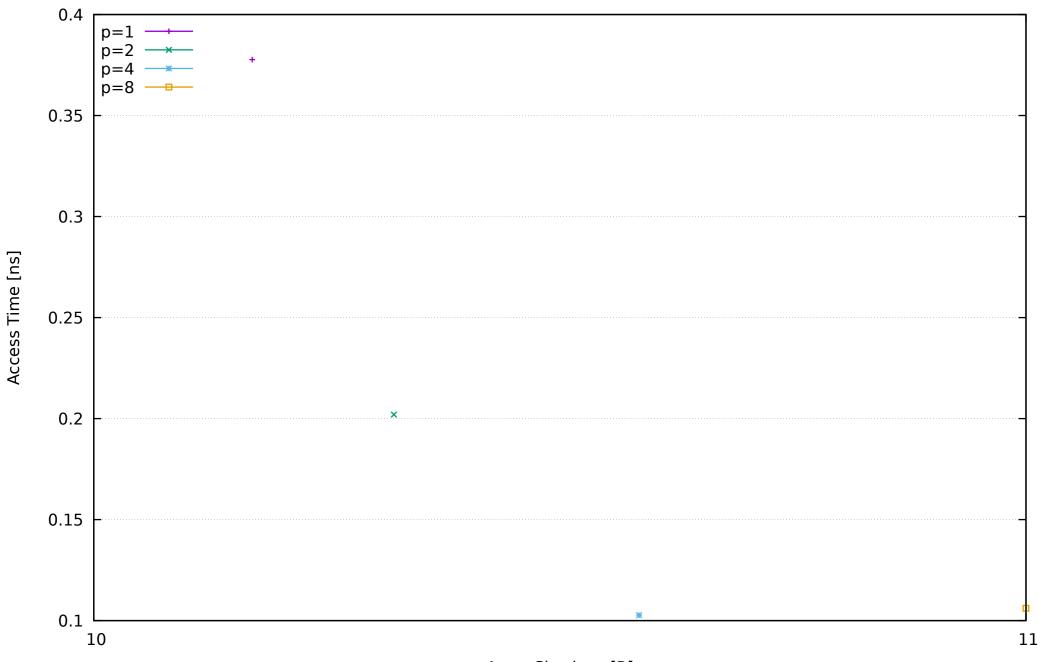




jc - Speedup of Memory Bandwidth (enlarged) - ScanWrite64IndexSimpleLoop

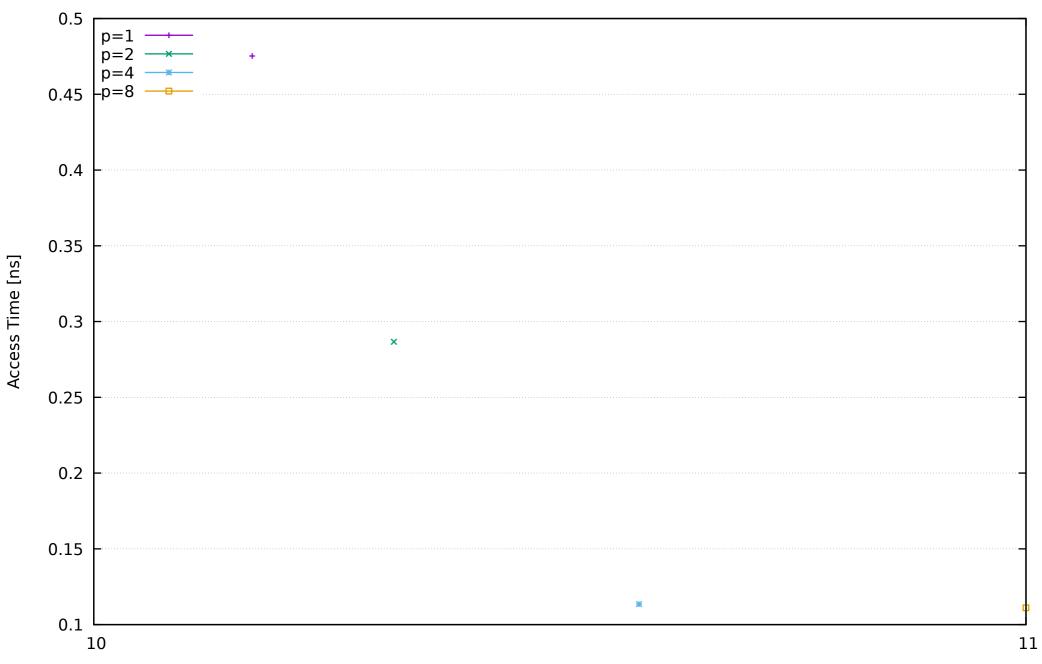






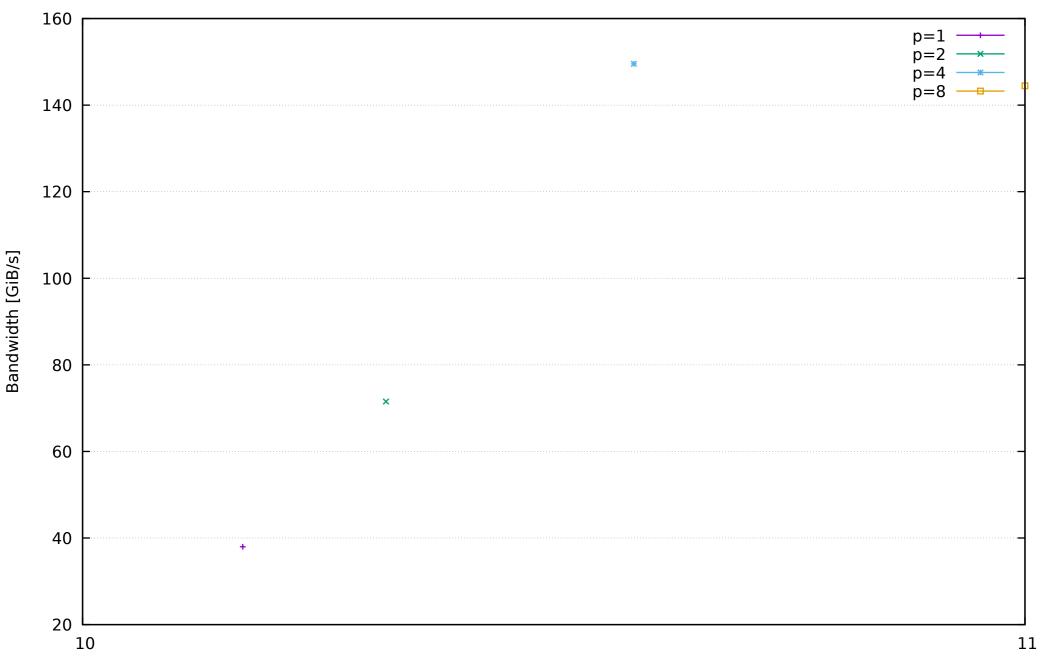


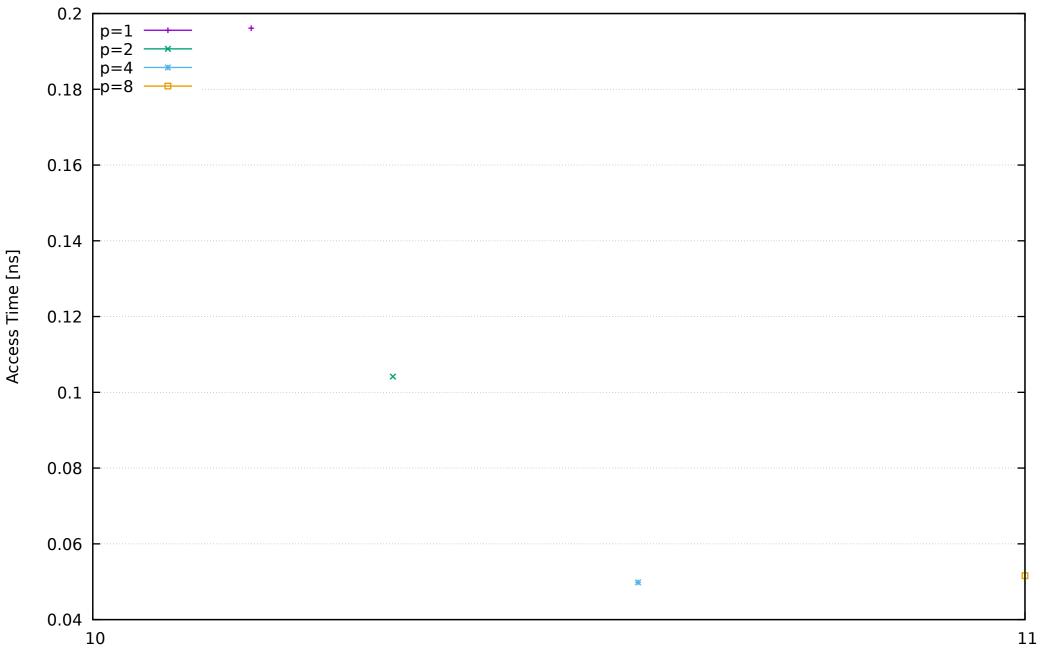




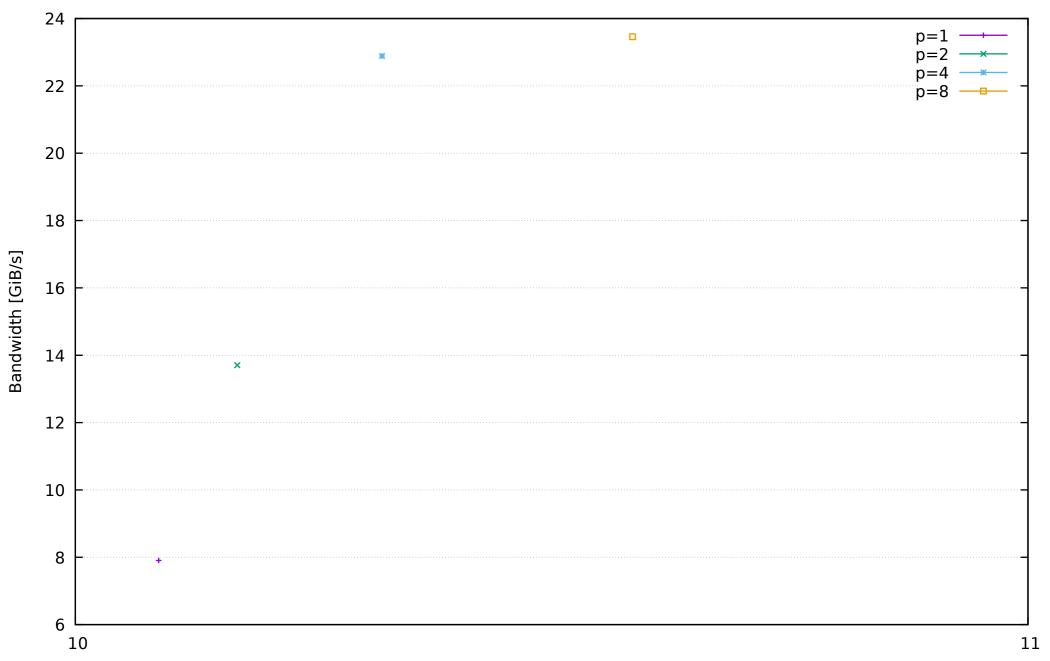


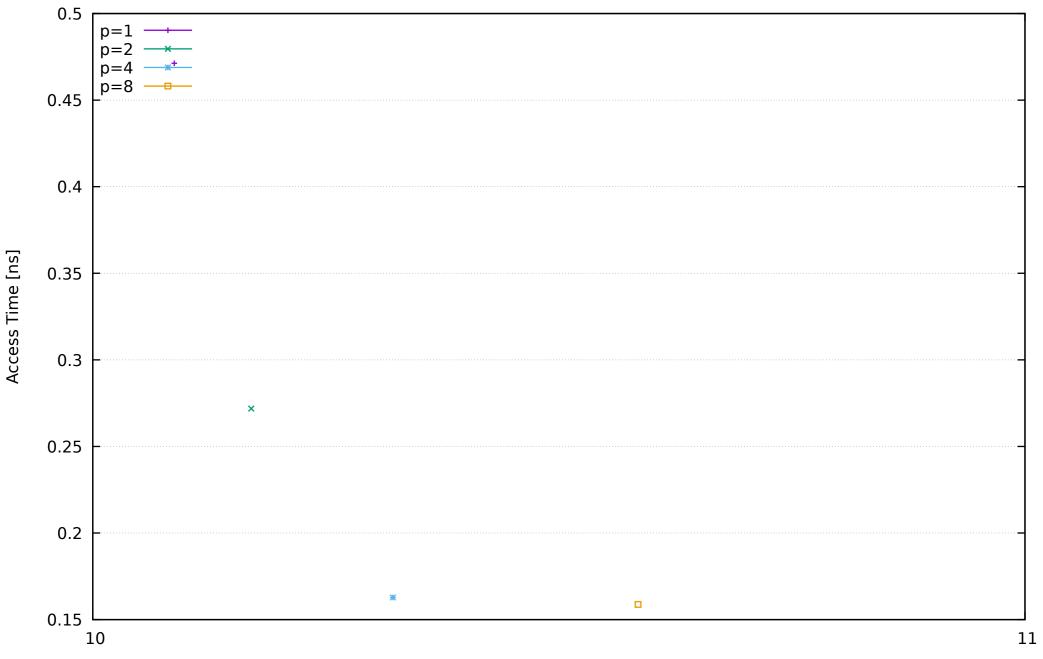




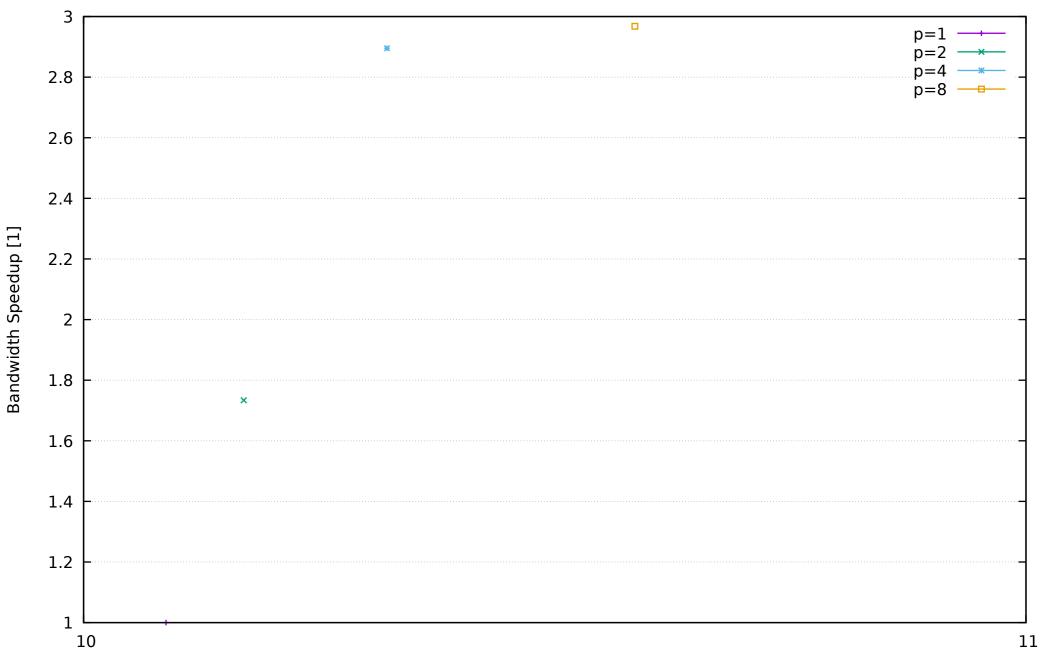




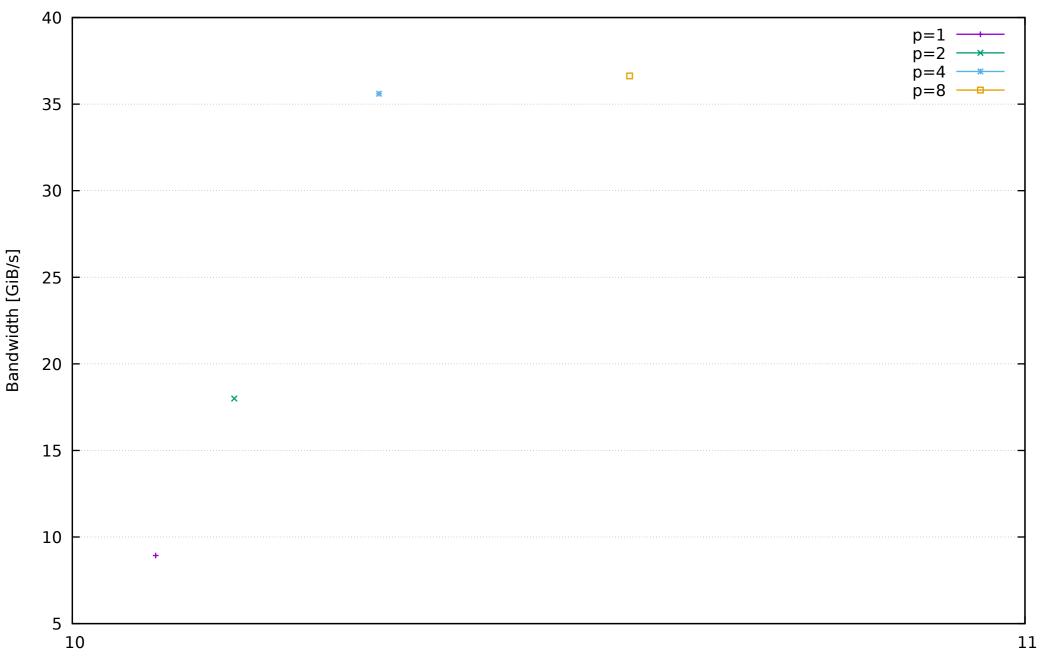


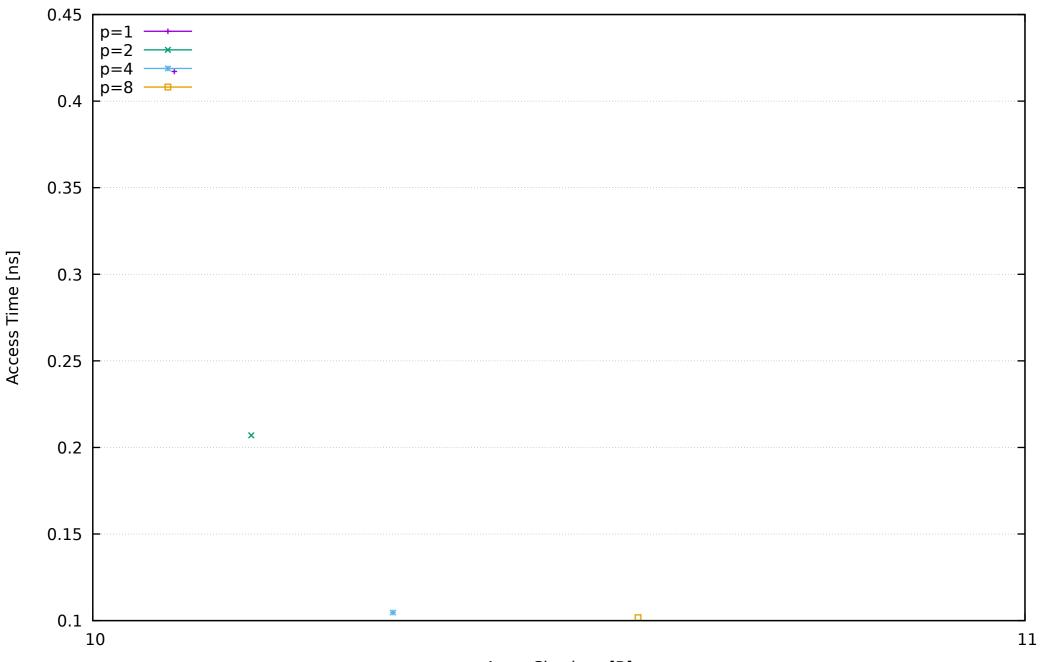


jc - Speedup of Memory Bandwidth - ScanWrite32PtrSimpleLoop



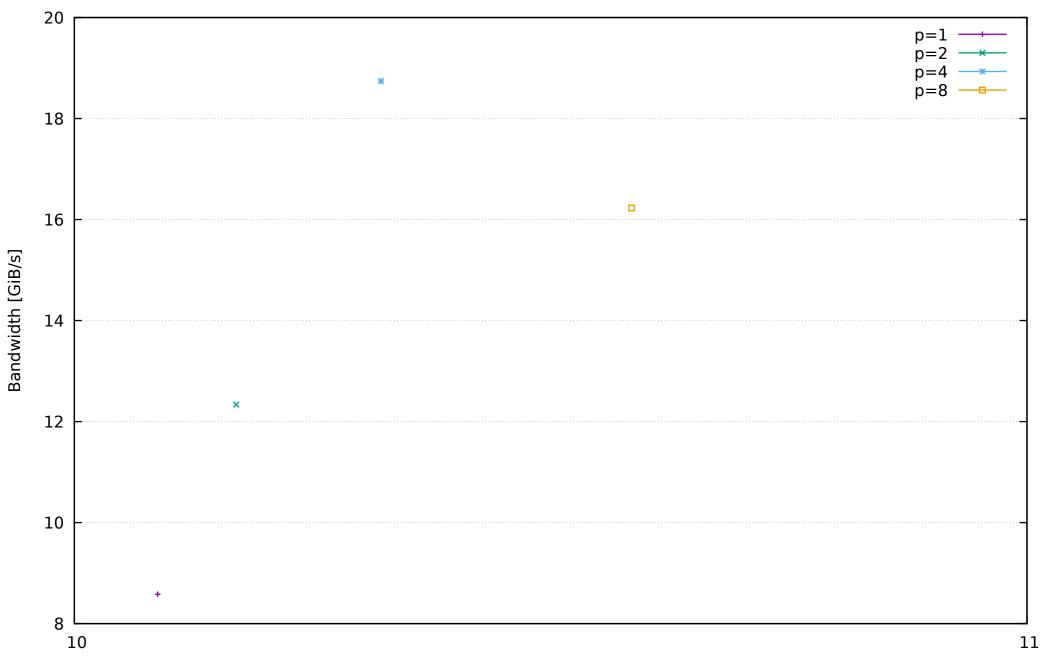




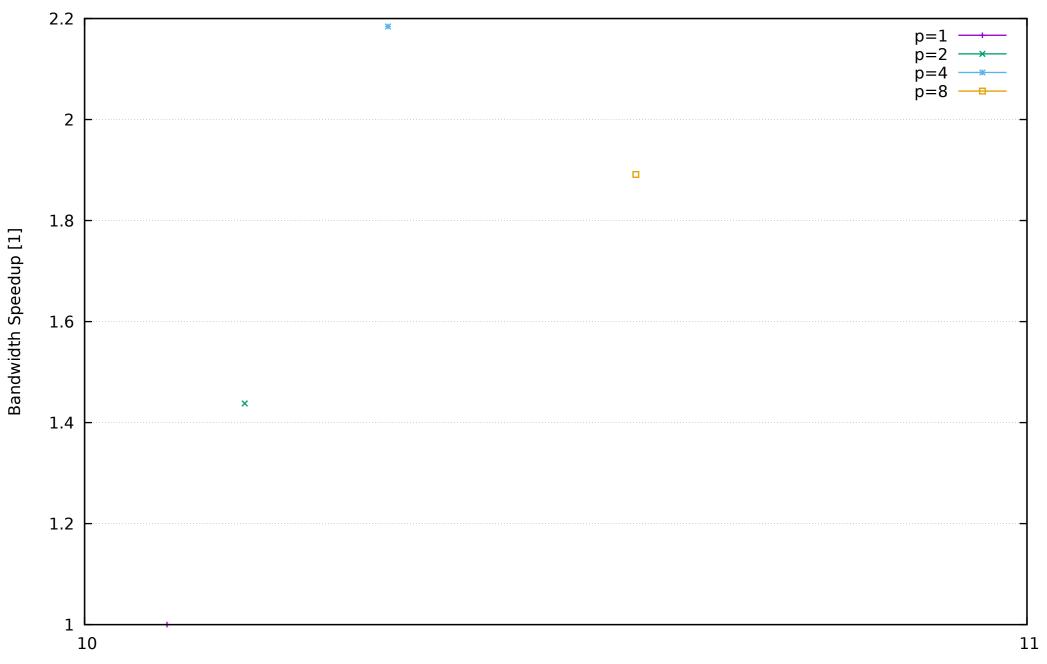




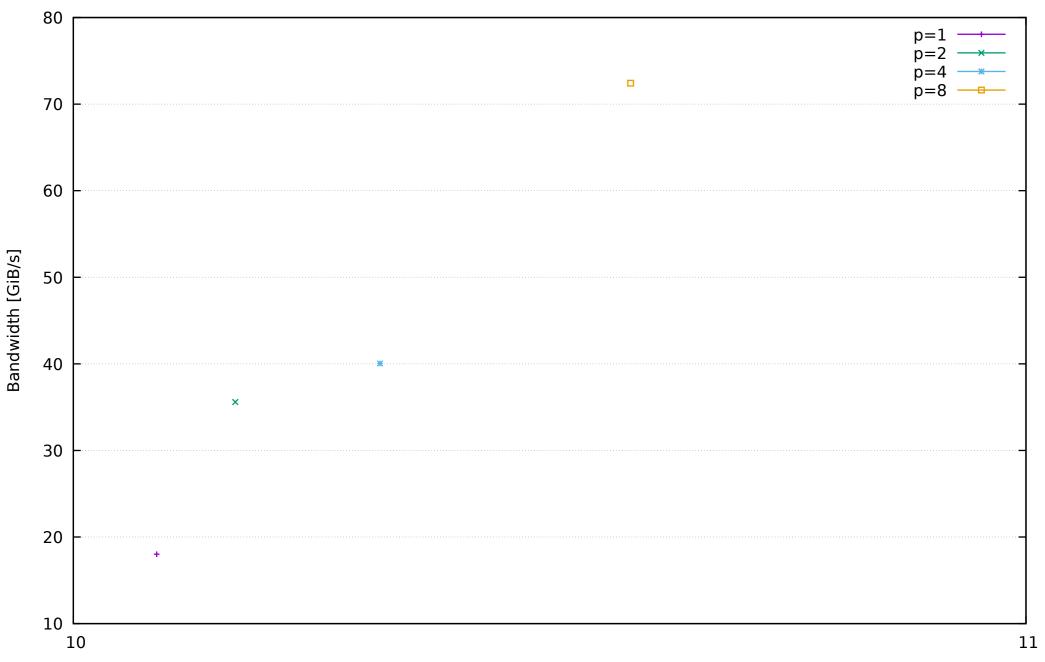


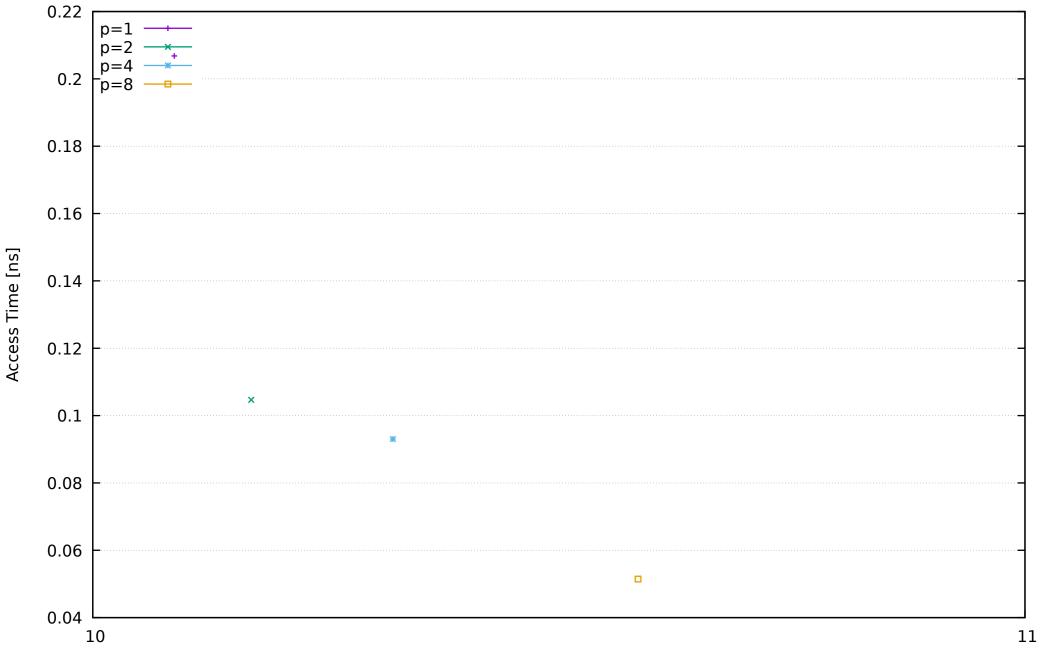


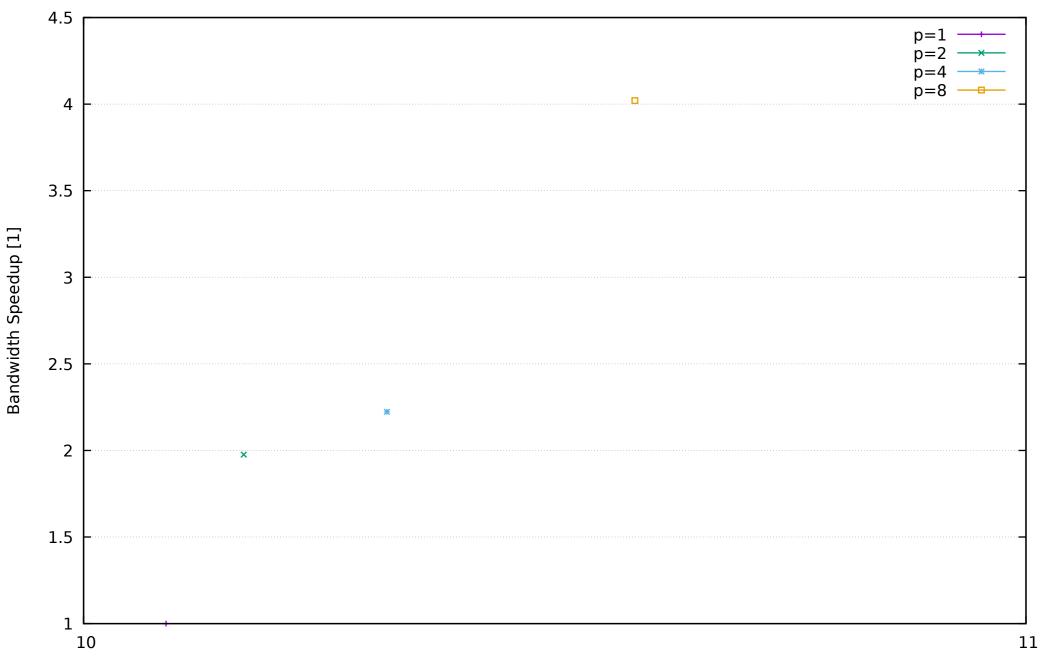


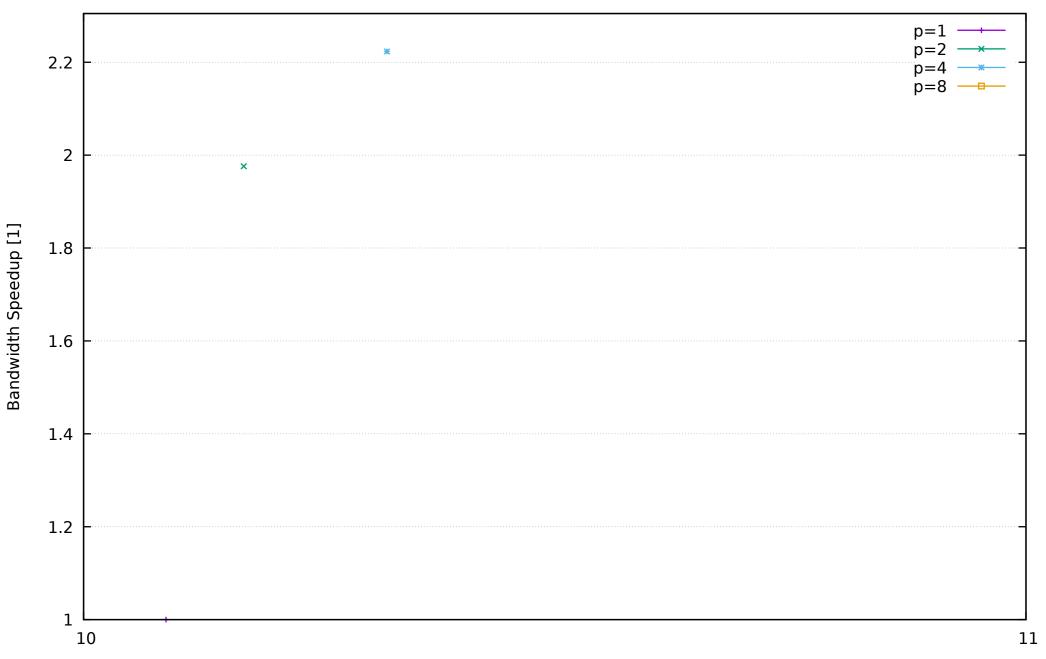


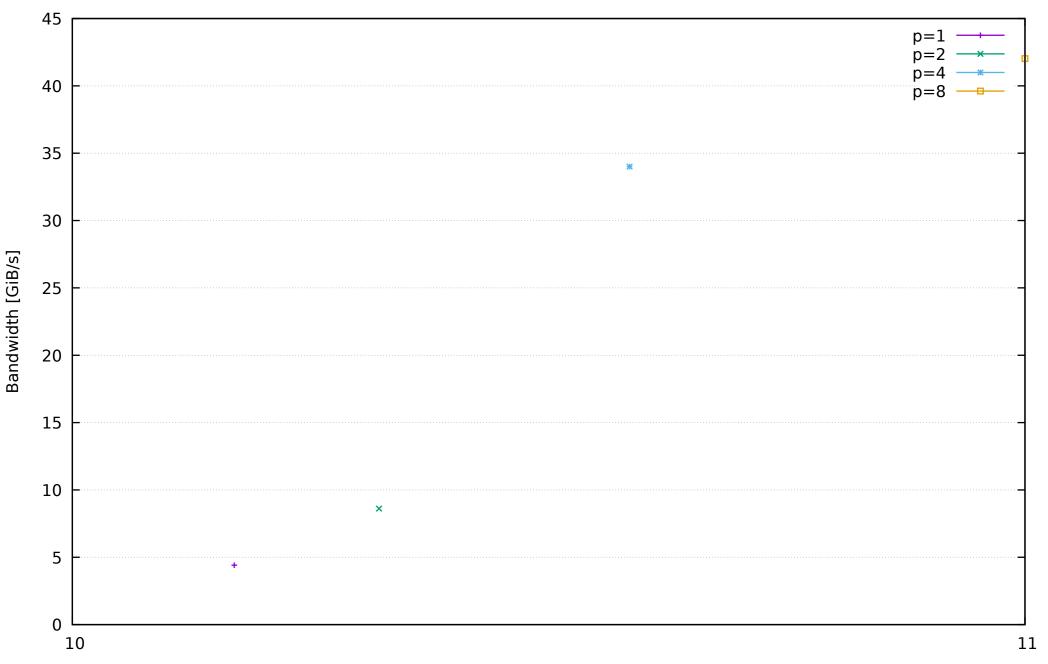


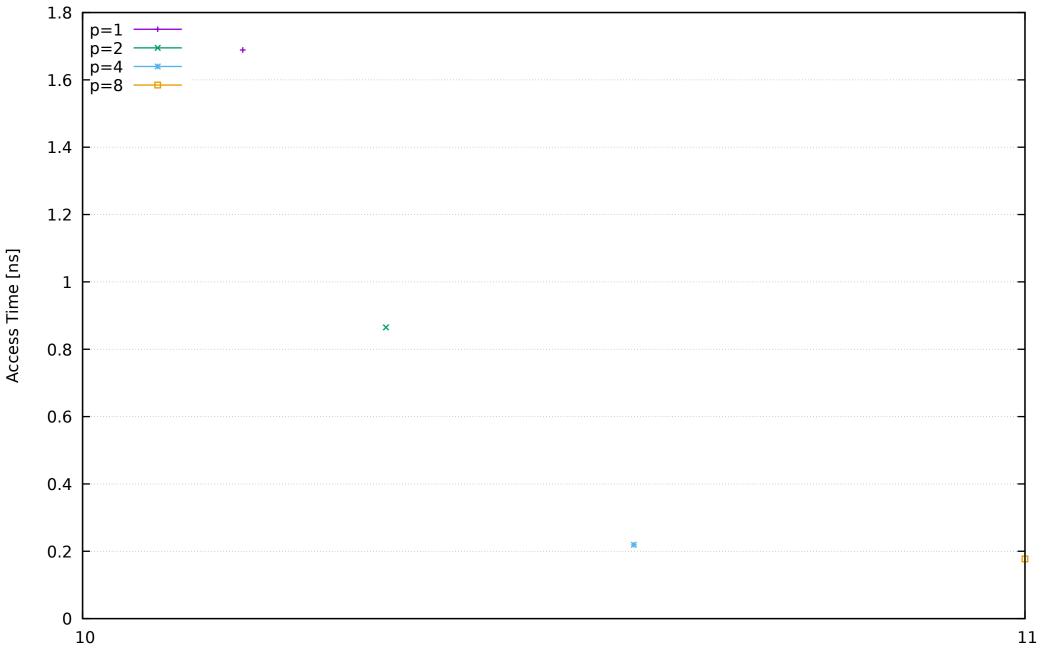


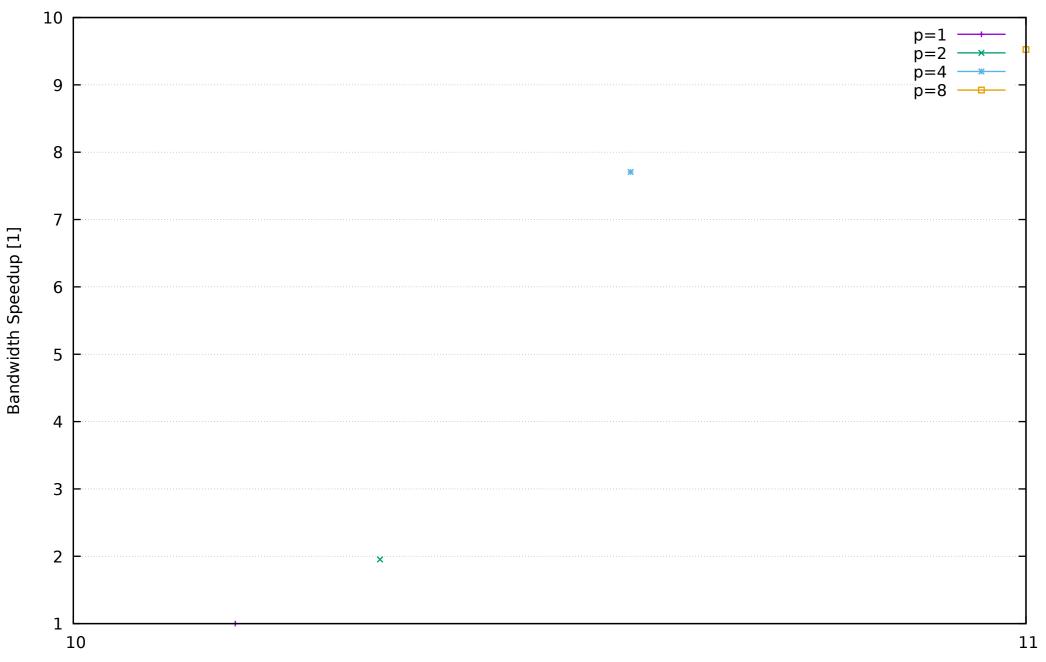






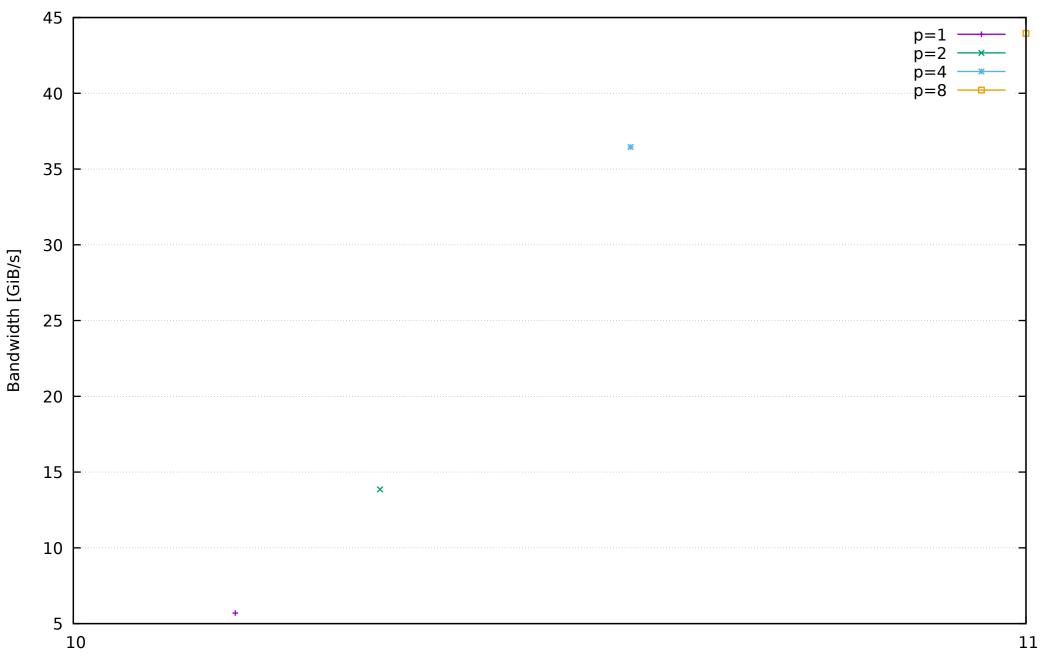


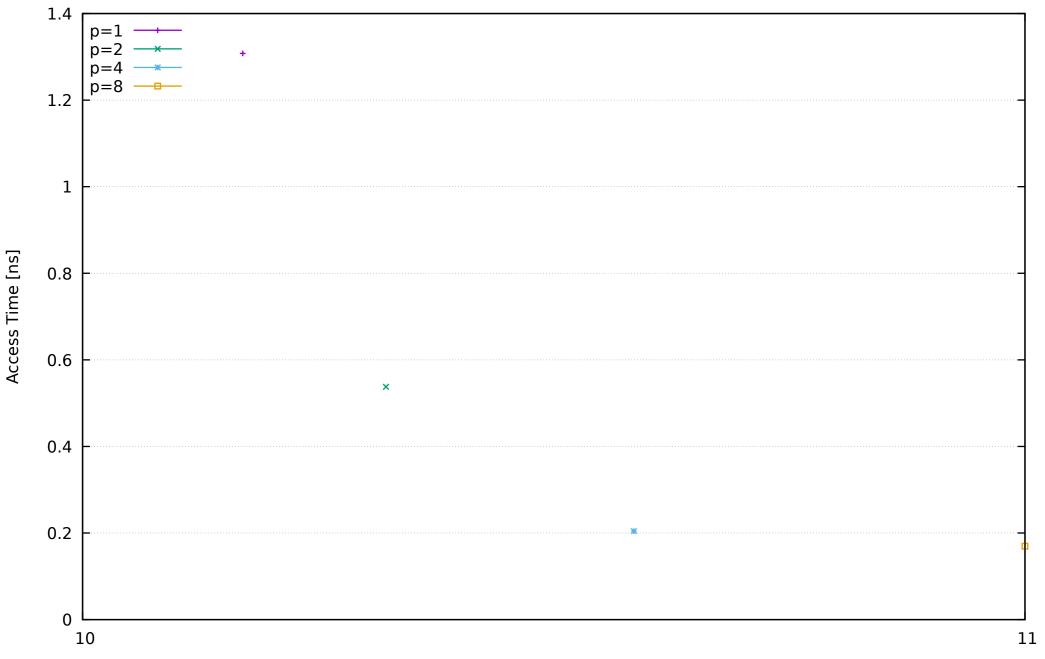


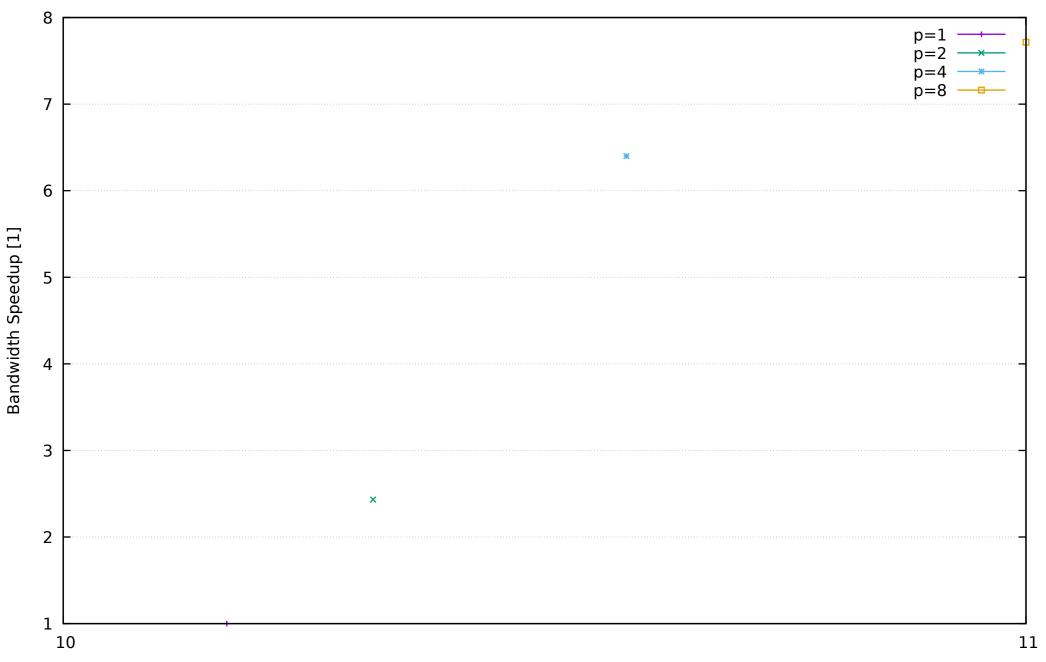


jc - Speedup of Memory Bandwidth (enlarged) - PermRead64SimpleLoop









jc - Speedup of Memory Bandwidth (enlarged) - PermRead64UnrollLoop

