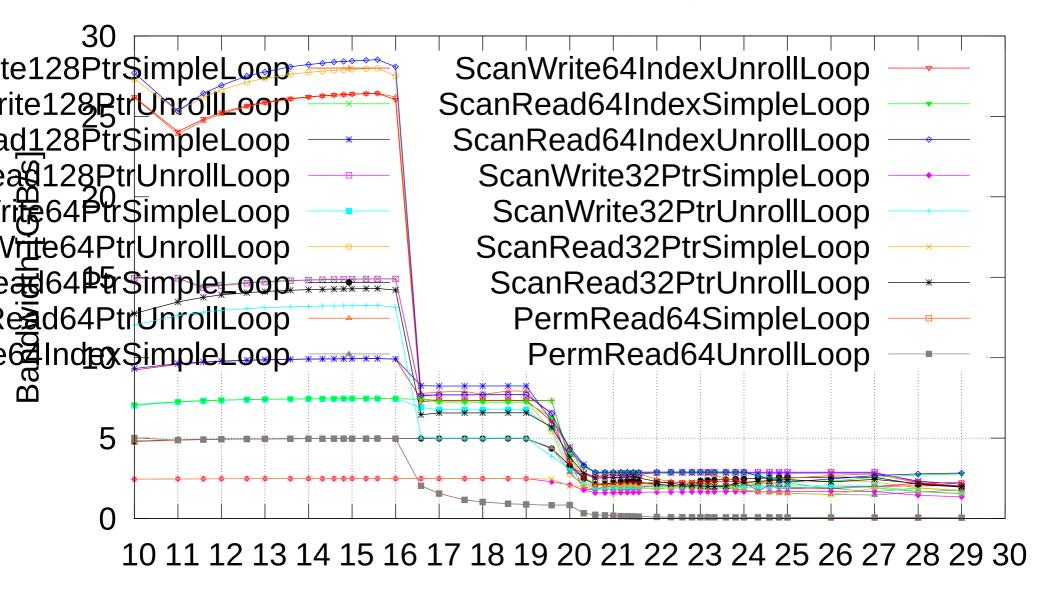
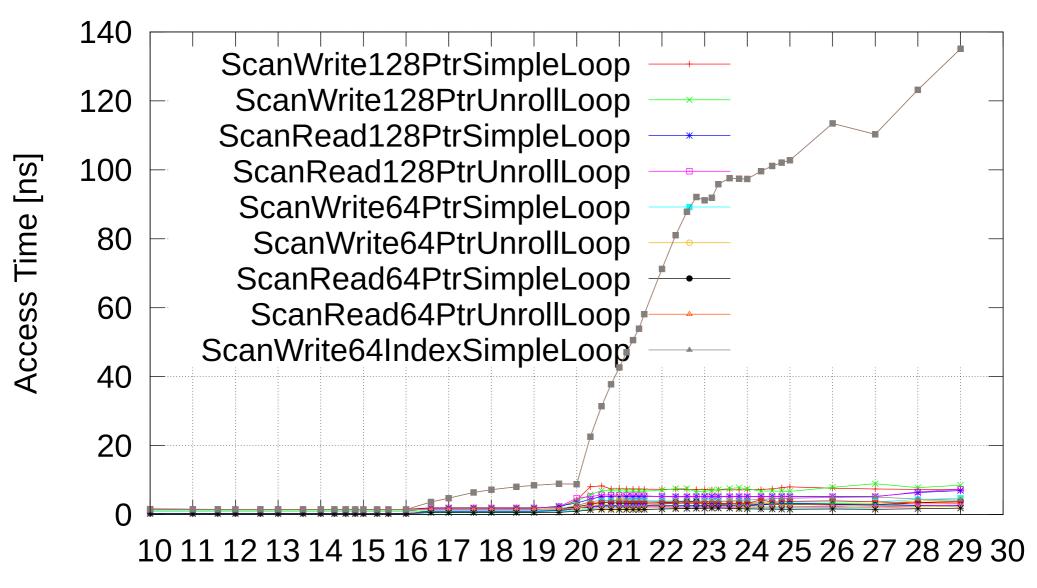
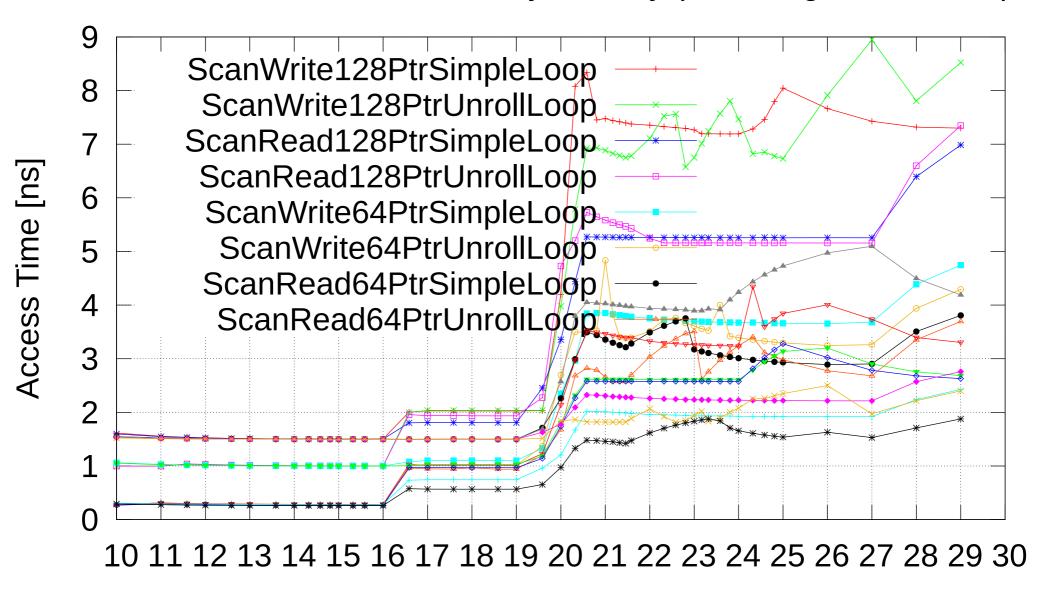
issdm-6 - One Thread Memory Bandwidth



issdm-6 - One Thread Memory Latency (Access Time)

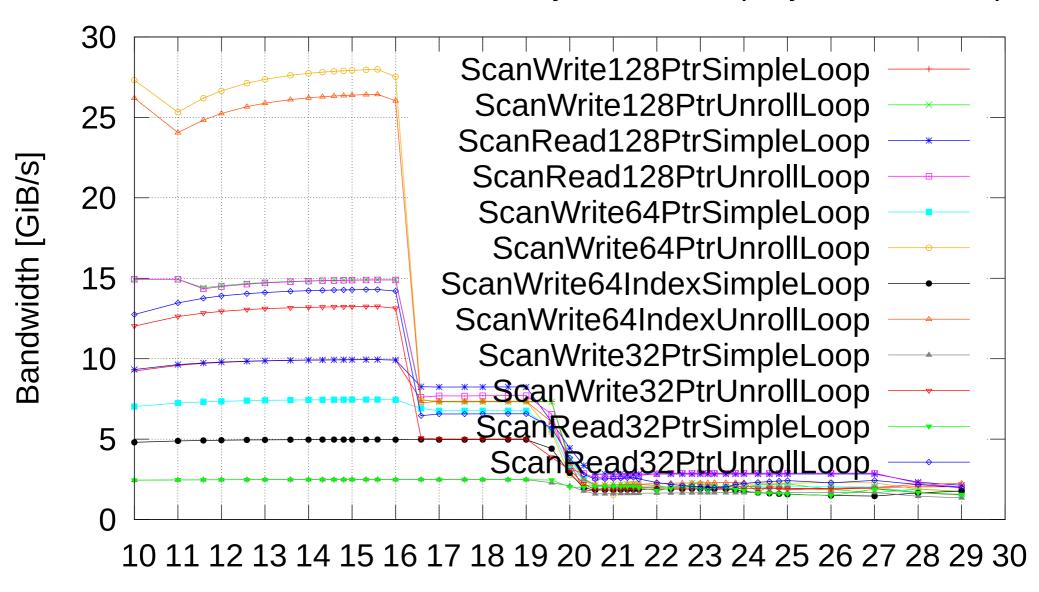


issdm-6 - One Thread Memory Latency (excluding Permutation)

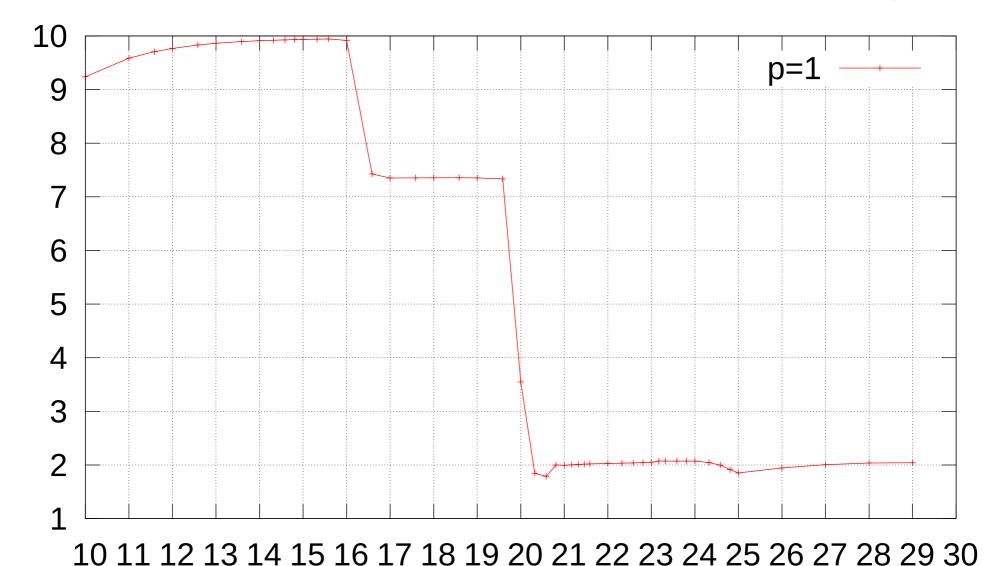


Array Size log₂ [B]

issdm-6 - One Thread Memory Bandwidth (only 64-bit Reads)

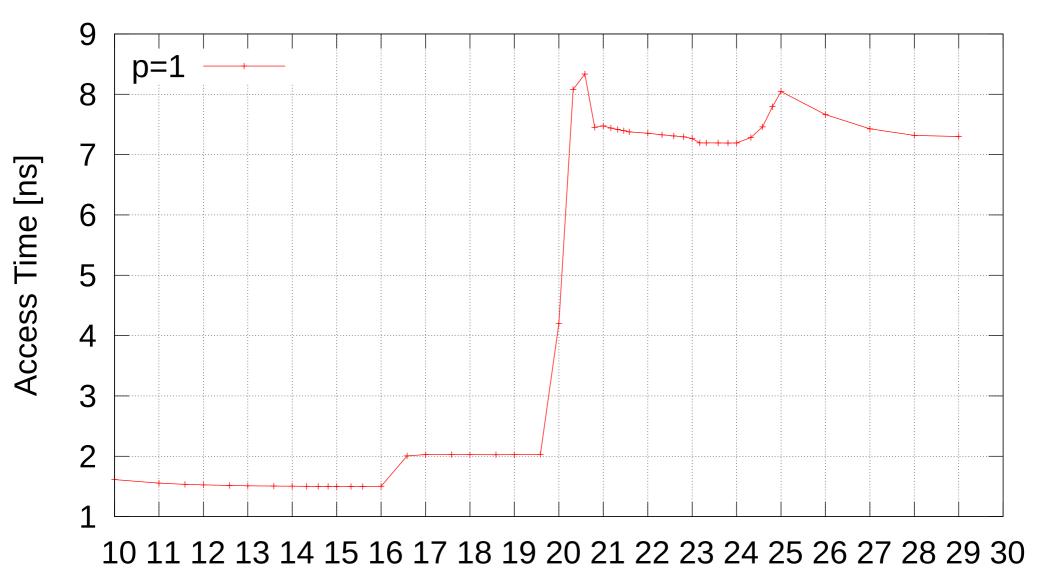


issdm-6 - Parallel Memory Bandwidth - ScanWrite128PtrSimpleLoop



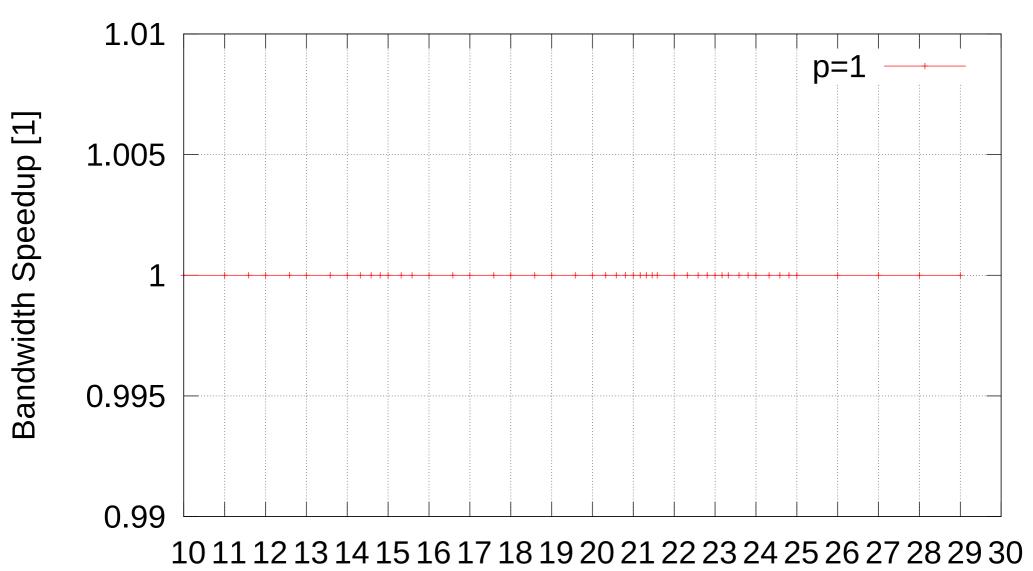
Array Size log₂ [B]

issdm-6 - Parallel Memory Access Time - ScanWrite128PtrSimpleLoop



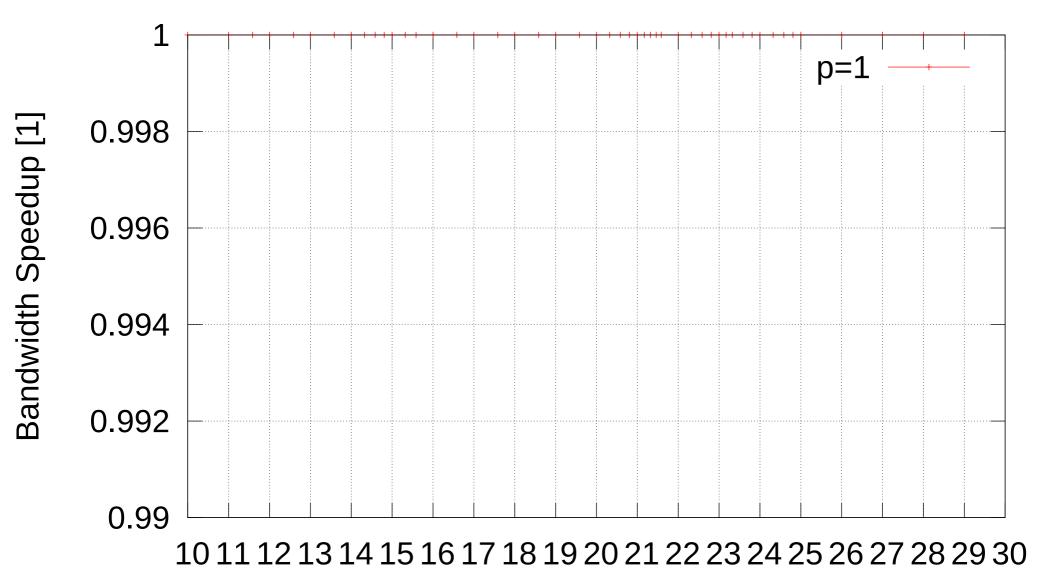
Array Size log₂ [B]

issdm-6 - Speedup of Parallel Memory Bandwidth - ScanWrite128PtrSim



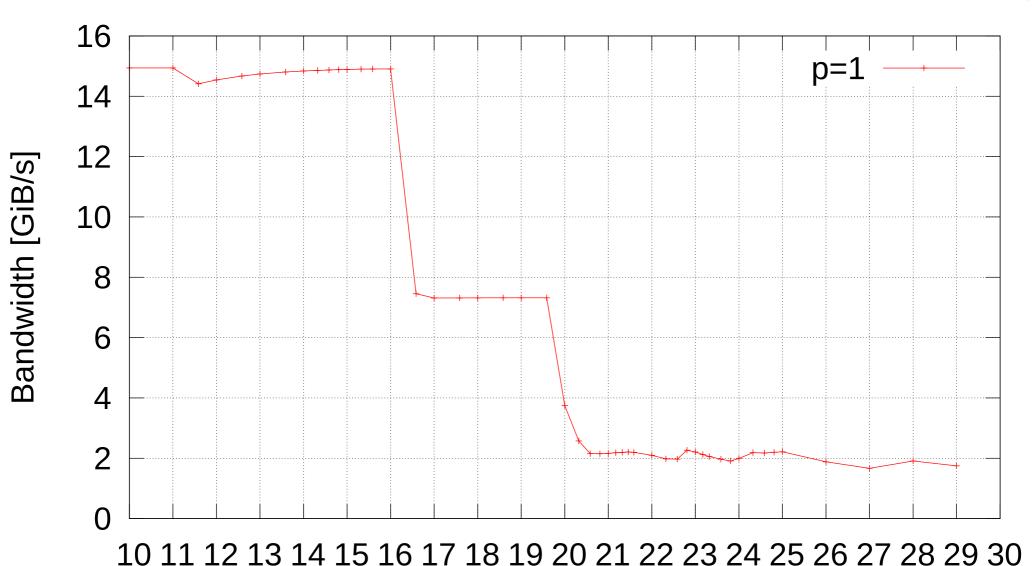
Array Size log₂ [B]

lm-6 - Speedup of Parallel Memory Bandwidth (enlarged) - ScanWrite128P



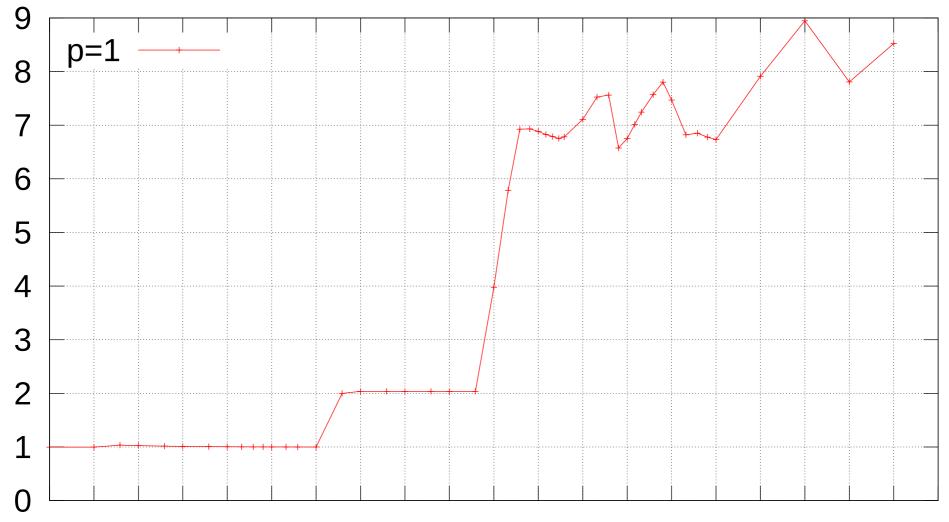
Array Size log₂ [B]

issdm-6 - Parallel Memory Bandwidth - ScanWrite128PtrUnrollLoop



Array Size log₂ [B]

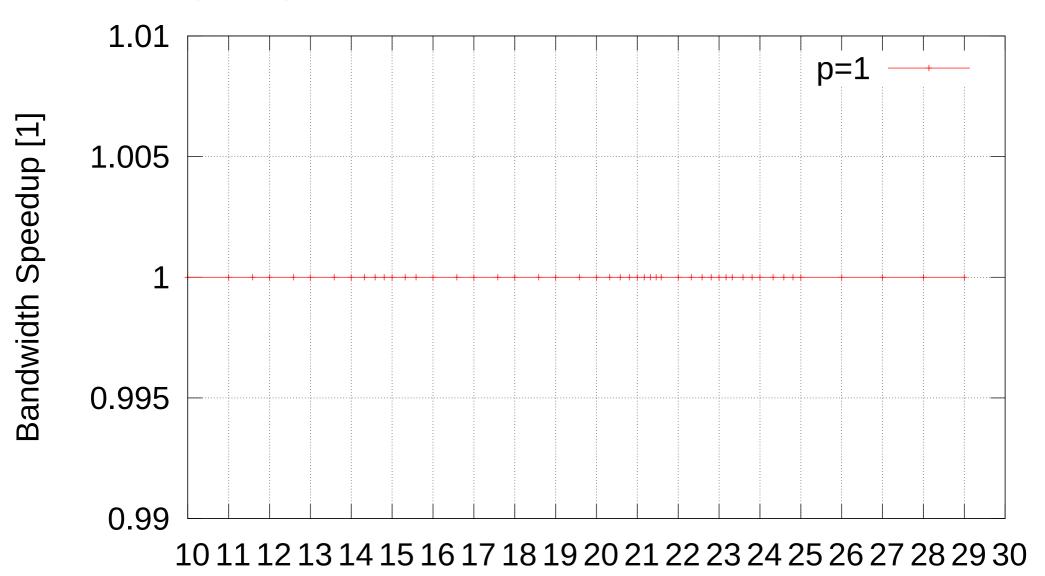
issdm-6 - Parallel Memory Access Time - ScanWrite128PtrUnrollLoop



Access Time [ns]

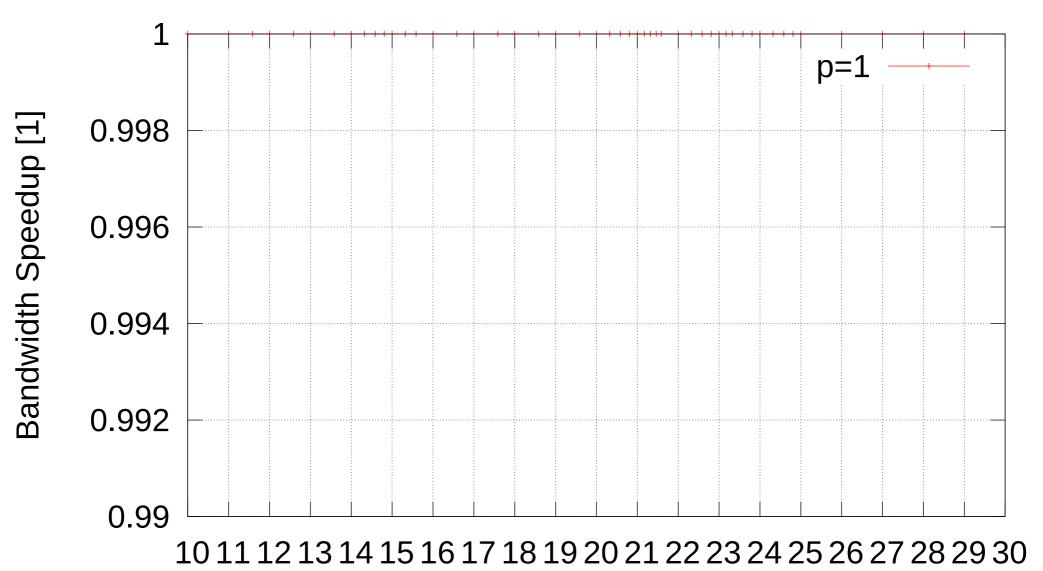
10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30

issdm-6 - Speedup of Parallel Memory Bandwidth - ScanWrite128PtrUnr



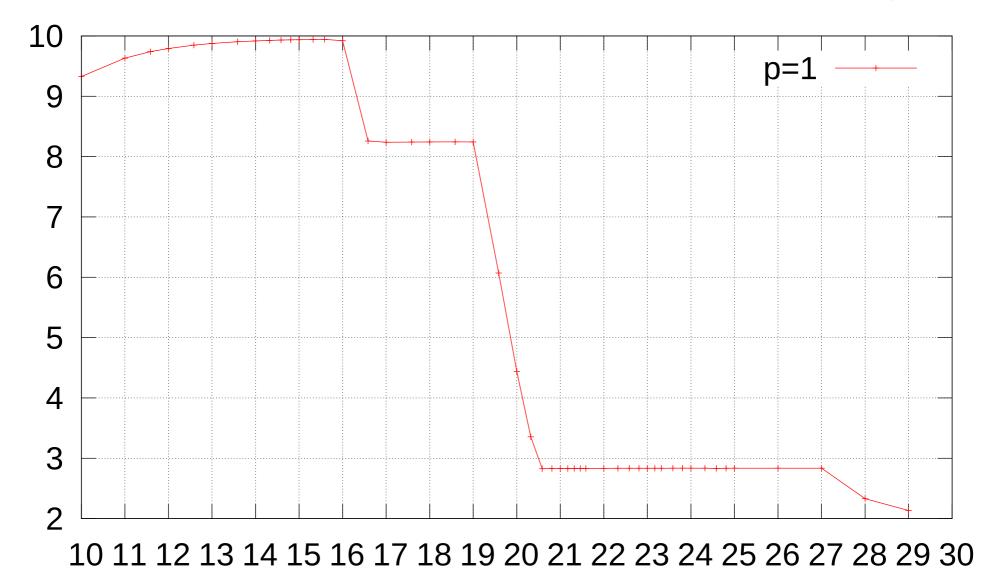
Array Size log₂ [B]

dm-6 - Speedup of Parallel Memory Bandwidth (enlarged) - ScanWrite128F



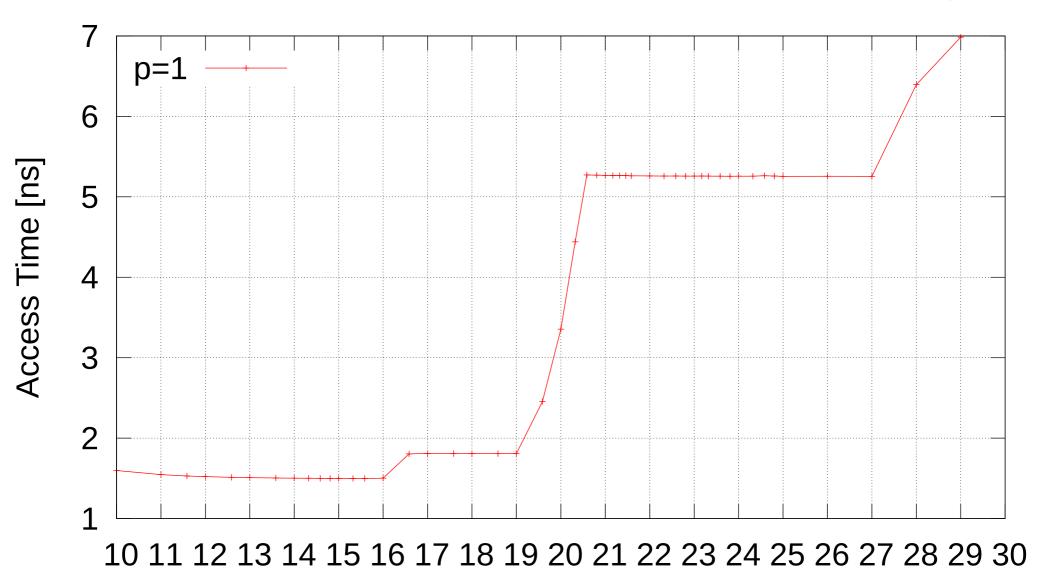
Array Size log_2 [B]

issdm-6 - Parallel Memory Bandwidth - ScanRead128PtrSimpleLoop



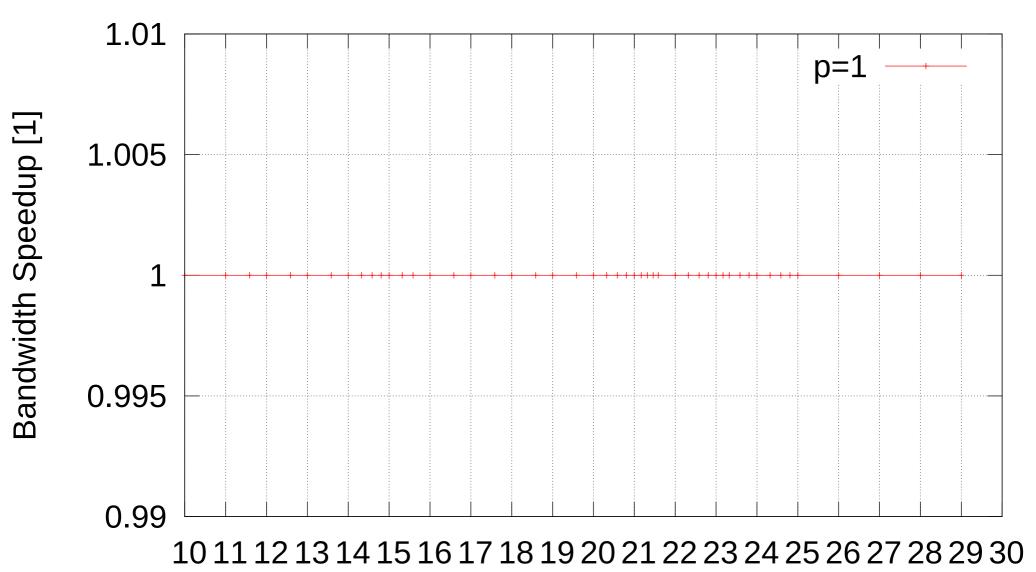
Array Size log₂ [B]

issdm-6 - Parallel Memory Access Time - ScanRead128PtrSimpleLoop



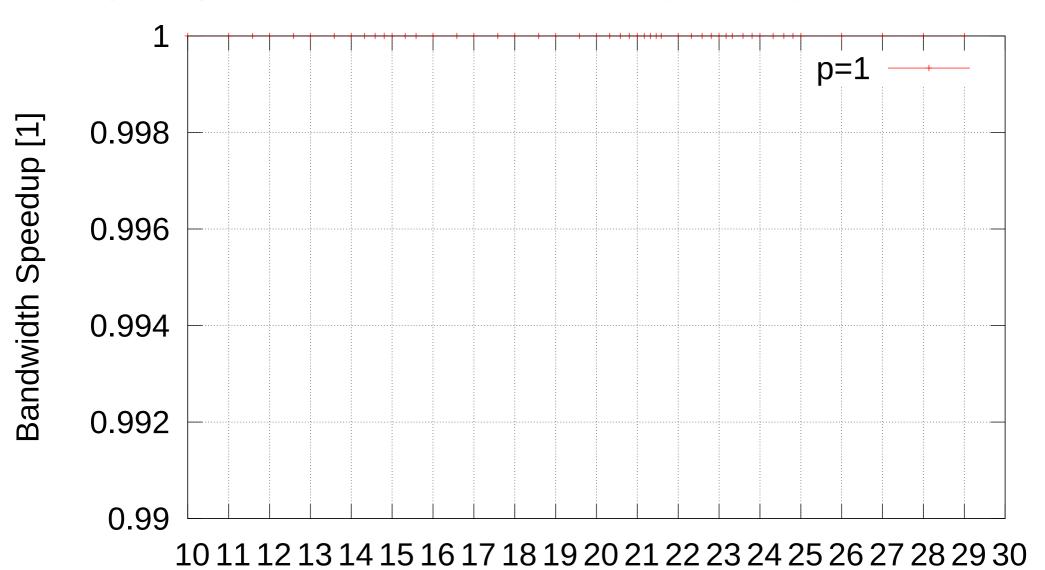
Array Size log₂ [B]

issdm-6 - Speedup of Parallel Memory Bandwidth - ScanRead128PtrSim

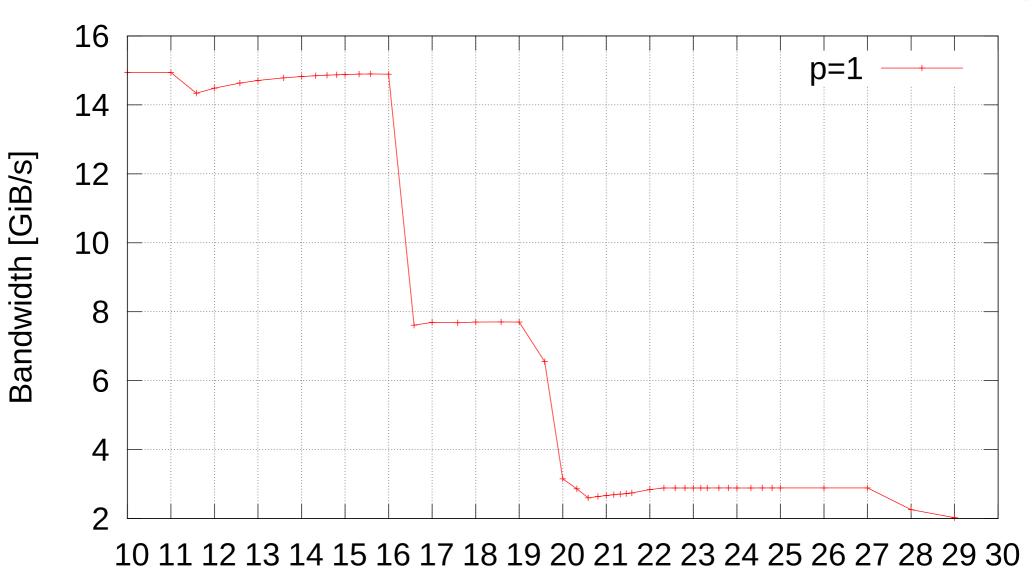


Array Size log₂ [B]

lm-6 - Speedup of Parallel Memory Bandwidth (enlarged) - ScanRead128P

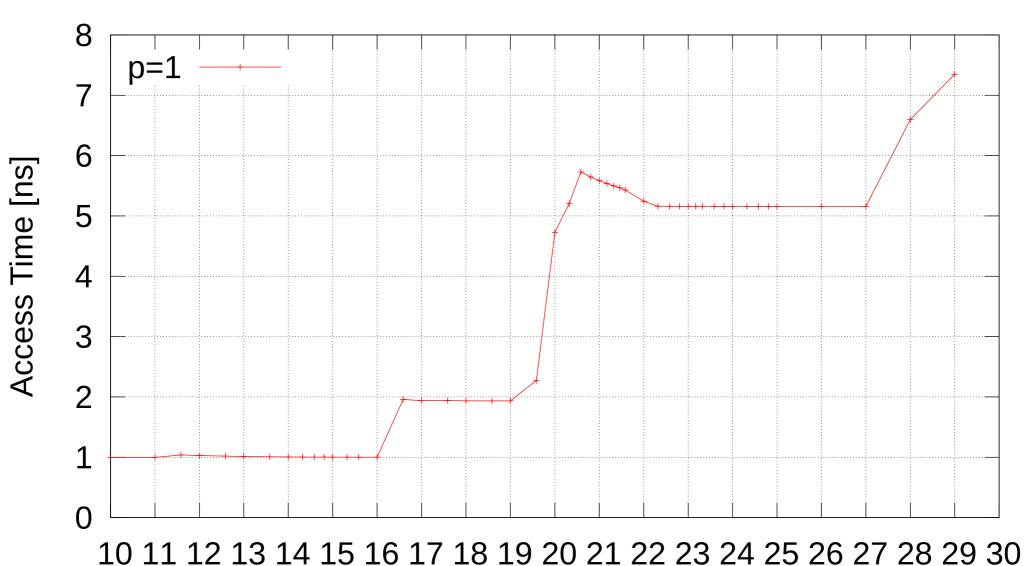


Array Size log₂ [B]



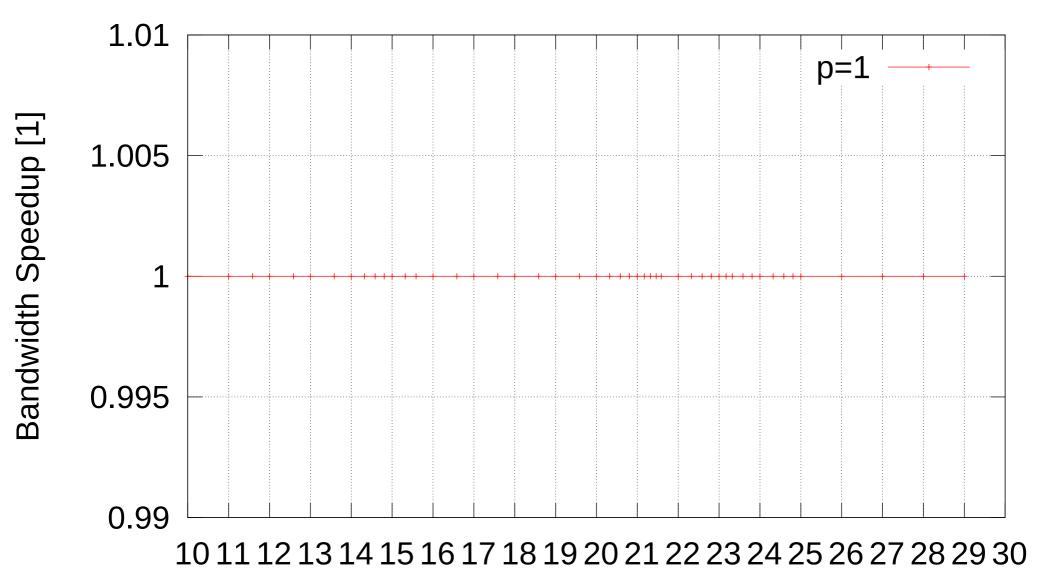
Array Size log₂ [B]

issdm-6 - Parallel Memory Access Time - ScanRead128PtrUnrollLoop



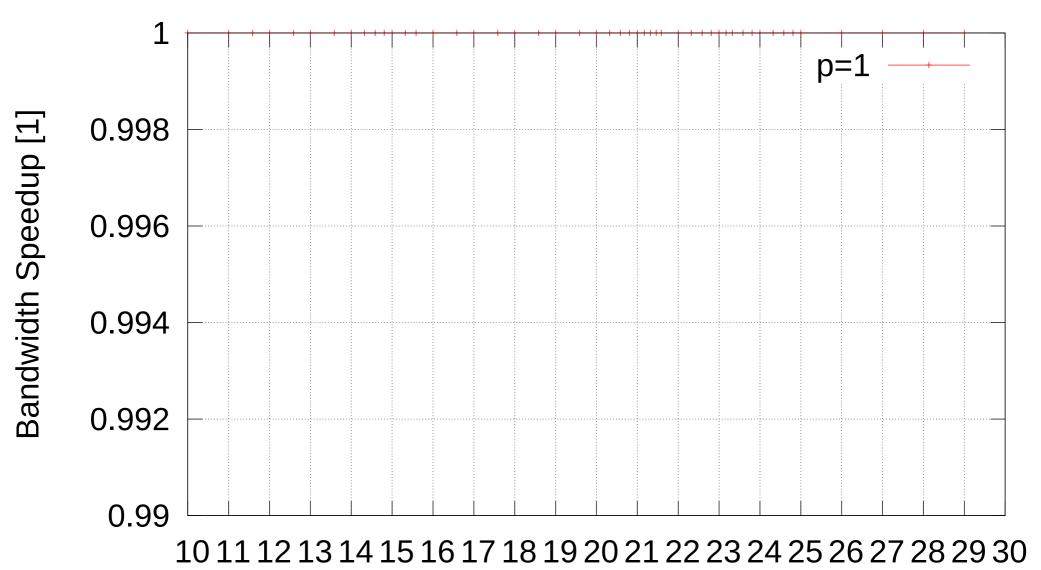
Array Size log₂ [B]

issdm-6 - Speedup of Parallel Memory Bandwidth - ScanRead128PtrUnr



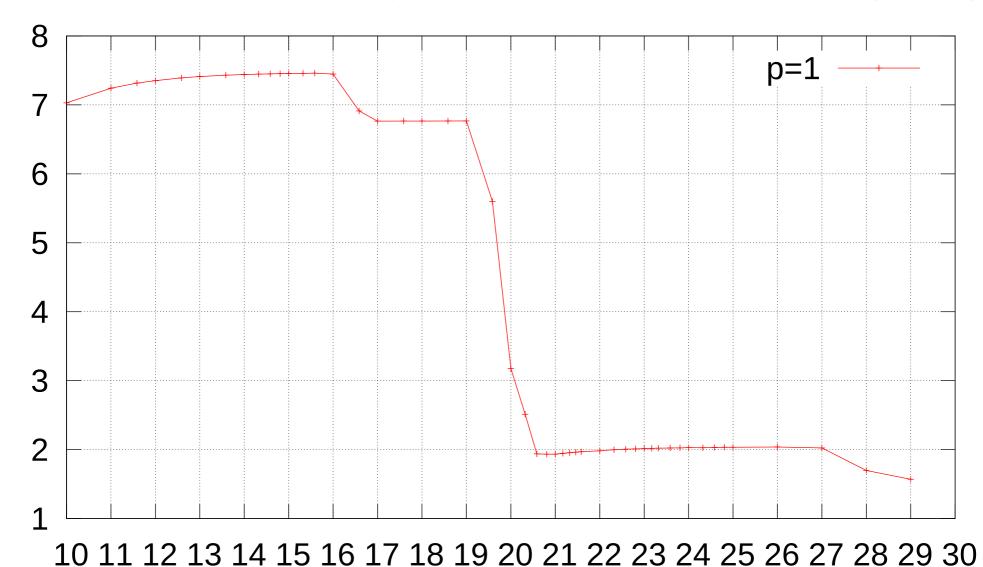
Array Size log₂ [B]

dm-6 - Speedup of Parallel Memory Bandwidth (enlarged) - ScanRead128F



Array Size log₂ [B]

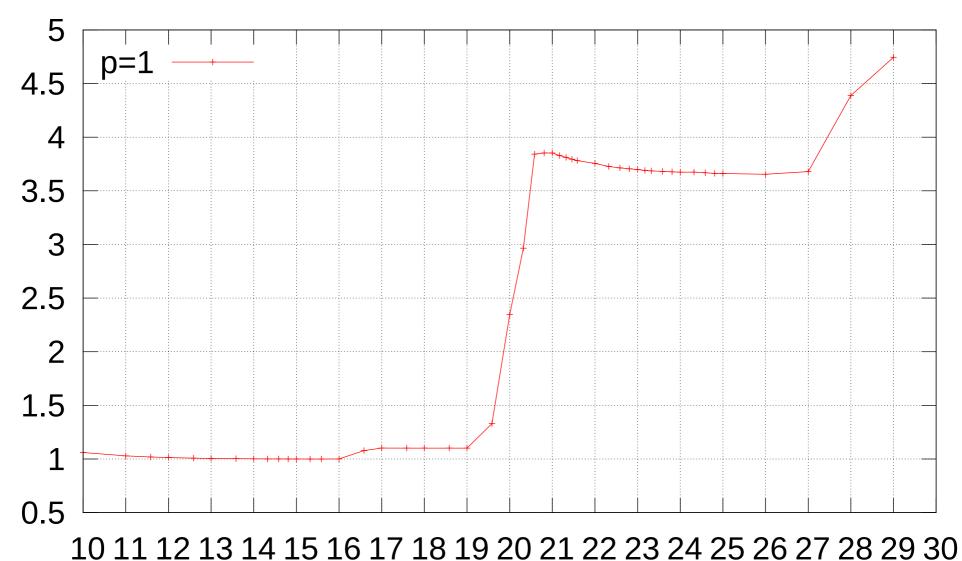
issdm-6 - Parallel Memory Bandwidth - ScanWrite64PtrSimpleLoop



Bandwidth [GiB/s]

Array Size log₂ [B]

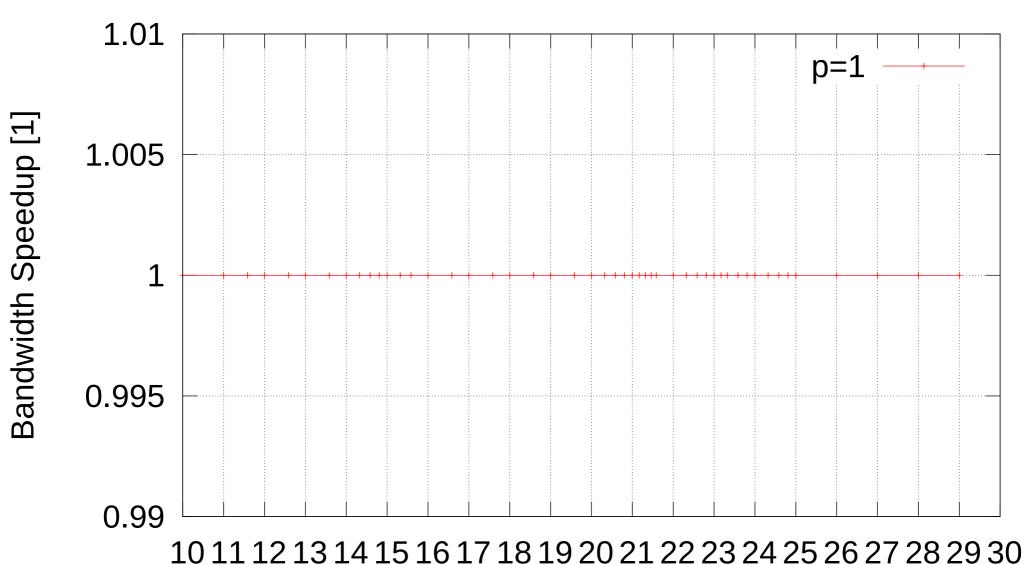
issdm-6 - Parallel Memory Access Time - ScanWrite64PtrSimpleLoop



0 17 10 19 20 21 22 23 24 23 20 27 20 29 30

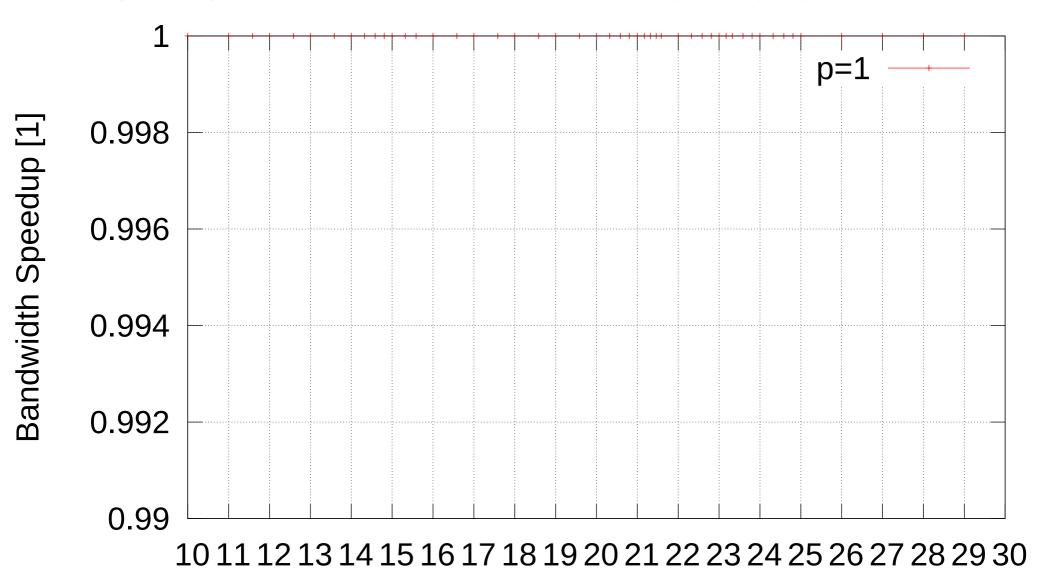
Array Size log₂ [B]

issdm-6 - Speedup of Parallel Memory Bandwidth - ScanWrite64PtrSimp



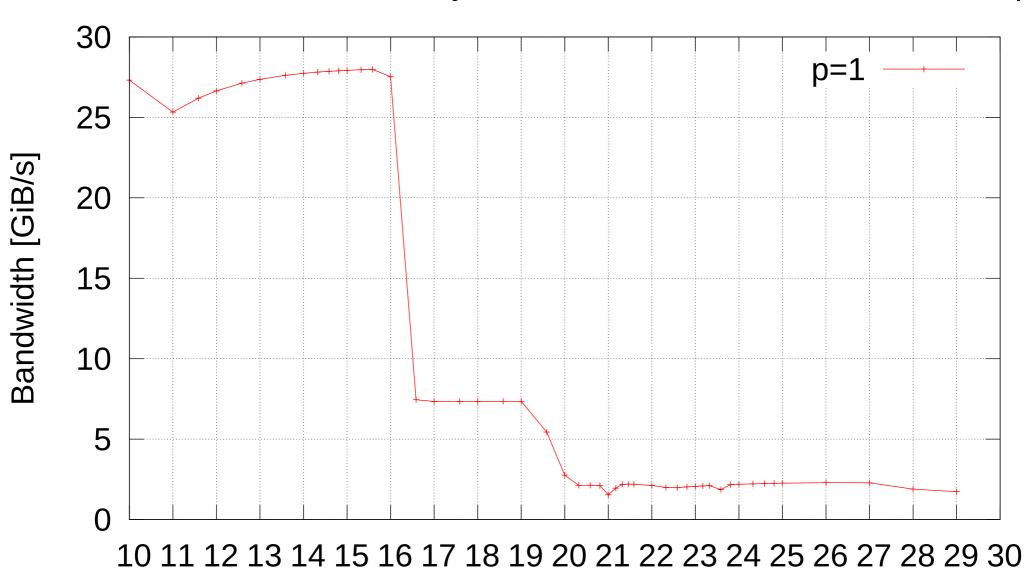
Array Size log₂ [B]

dm-6 - Speedup of Parallel Memory Bandwidth (enlarged) - ScanWrite64Pt



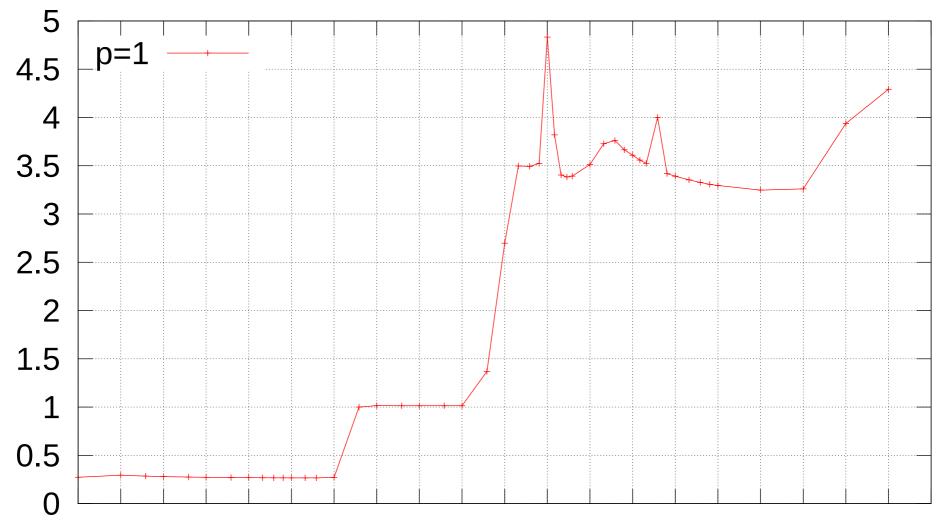
Array Size log₂ [B]

issdm-6 - Parallel Memory Bandwidth - ScanWrite64PtrUnrollLoop



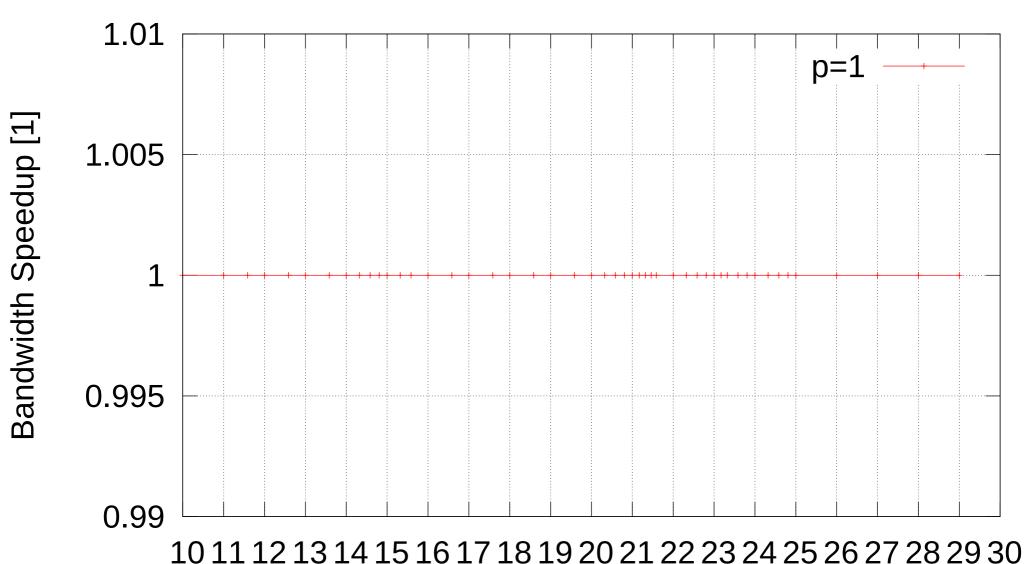
Array Size log₂ [B]

issdm-6 - Parallel Memory Access Time - ScanWrite64PtrUnrollLoop



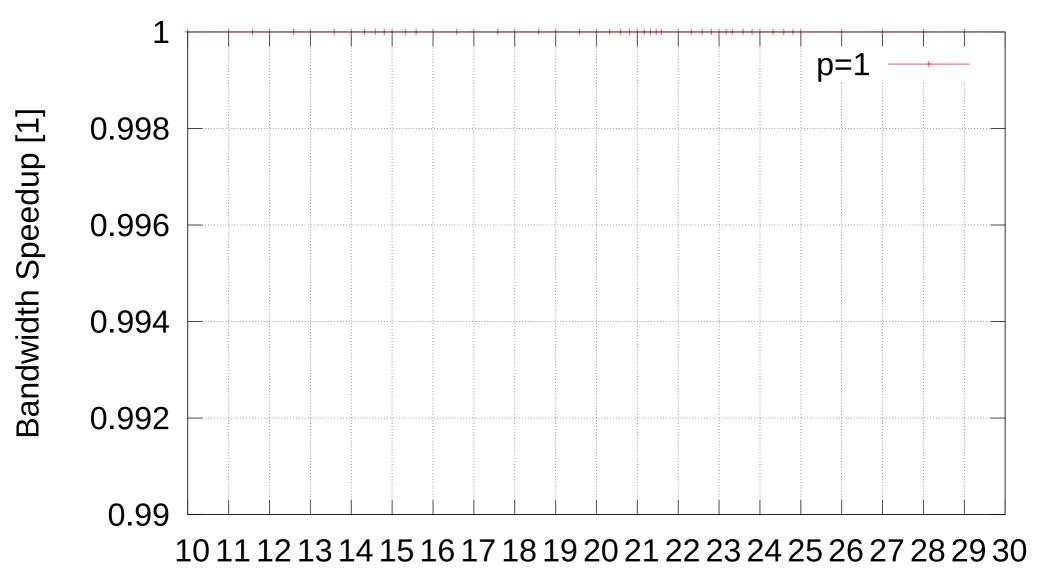
10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30

issdm-6 - Speedup of Parallel Memory Bandwidth - ScanWrite64PtrUnro

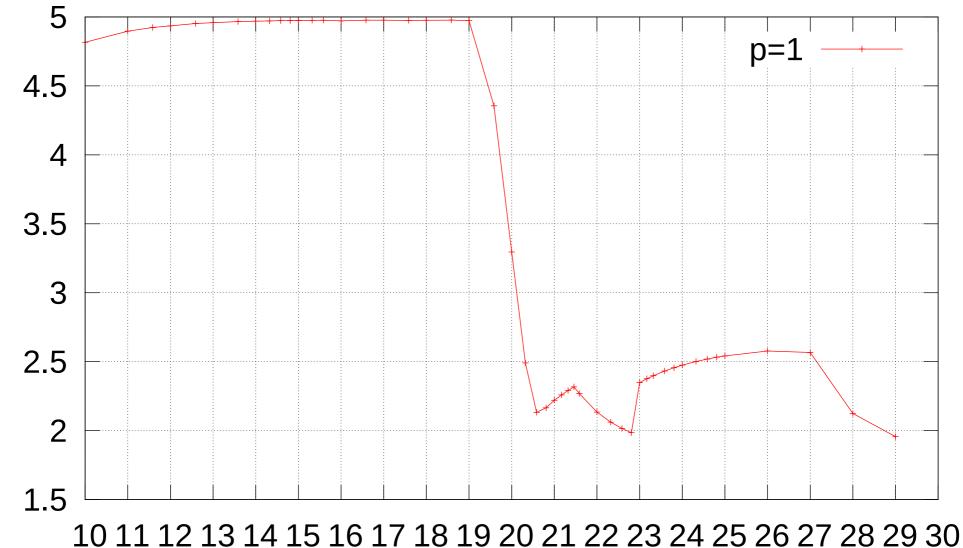


Array Size log₂ [B]

dm-6 - Speedup of Parallel Memory Bandwidth (enlarged) - ScanWrite64Pt



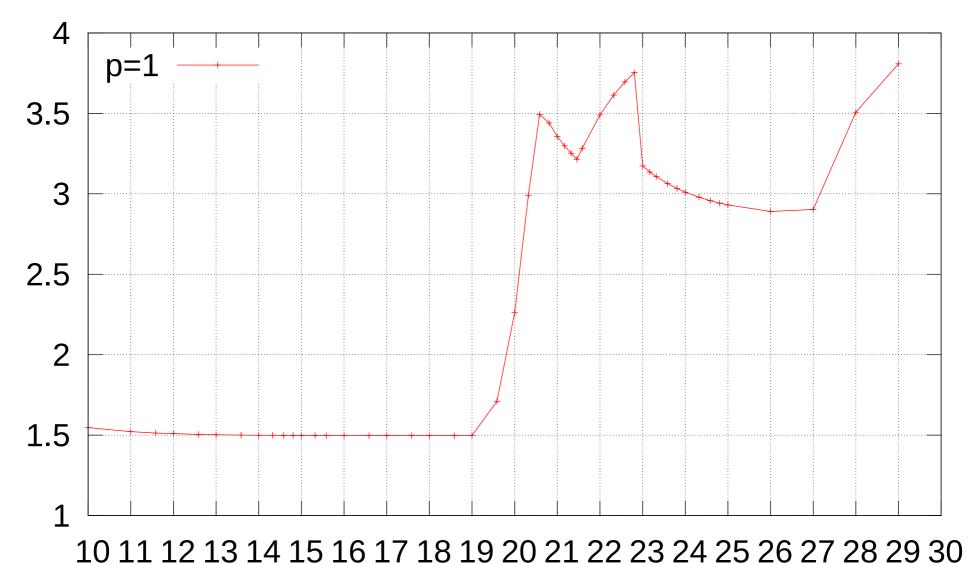
Array Size log₂ [B]



Bandwidth [GiB/s]

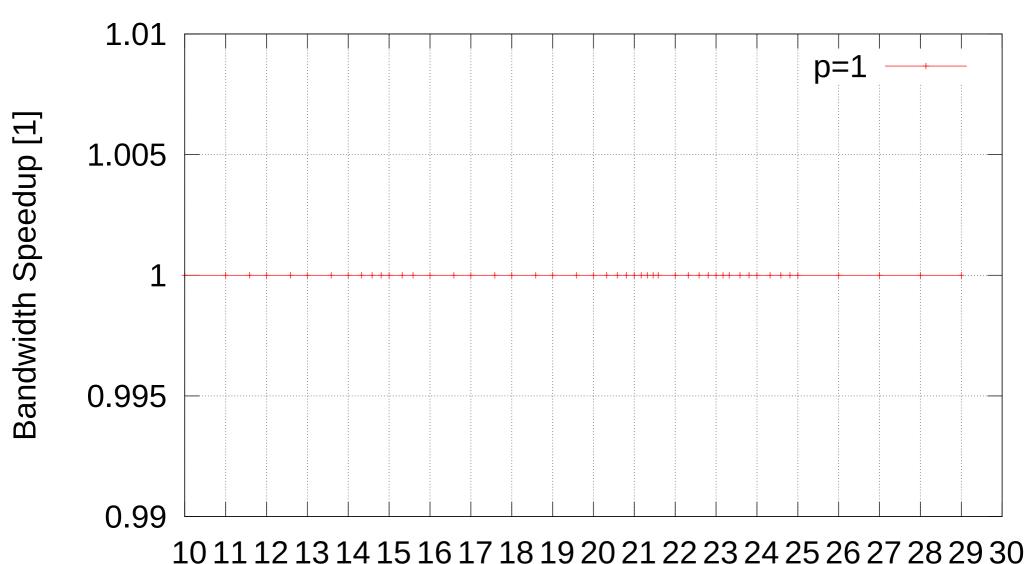
Array Size log₂ [B]

issdm-6 - Parallel Memory Access Time - ScanRead64PtrSimpleLoop



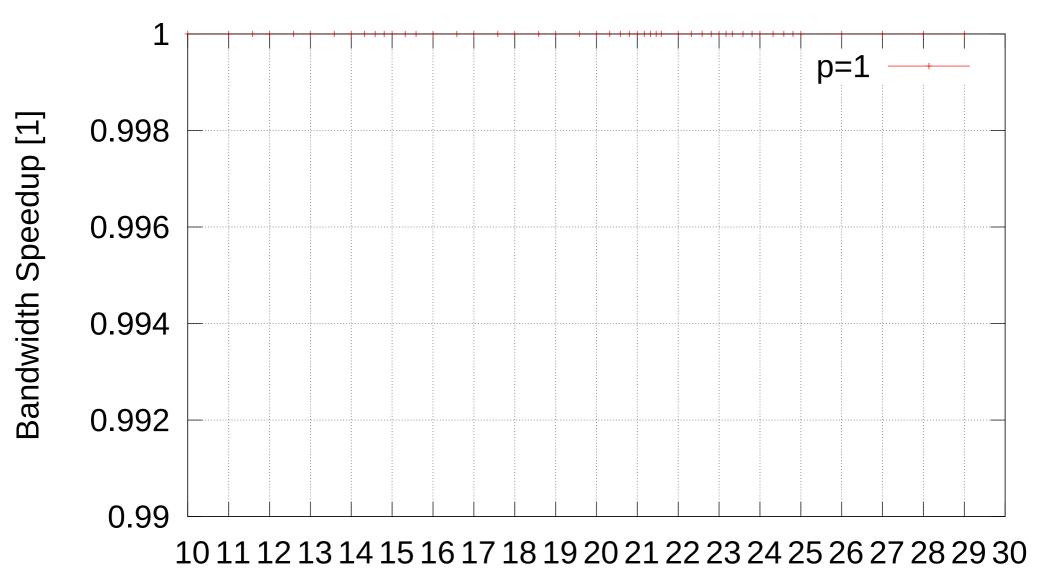
Array Size log₂ [B]

issdm-6 - Speedup of Parallel Memory Bandwidth - ScanRead64PtrSimp



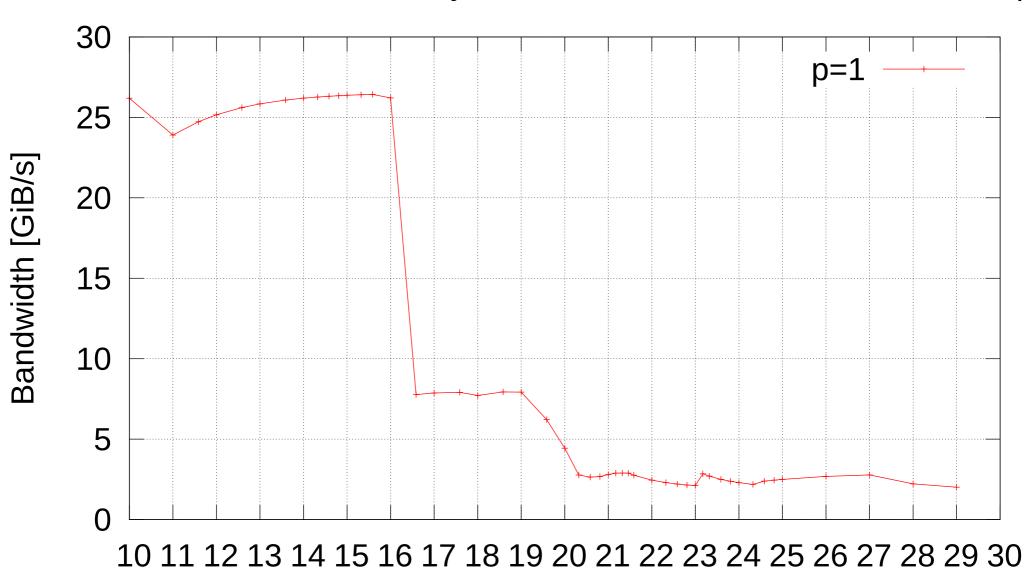
Array Size log₂ [B]

dm-6 - Speedup of Parallel Memory Bandwidth (enlarged) - ScanRead64Pt



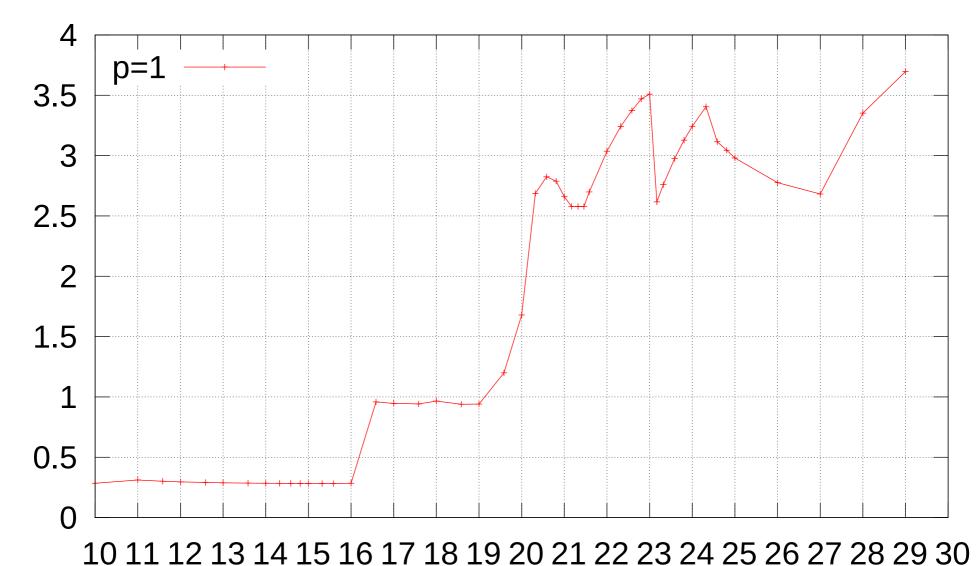
Array Size log₂ [B]

issdm-6 - Parallel Memory Bandwidth - ScanRead64PtrUnrollLoop



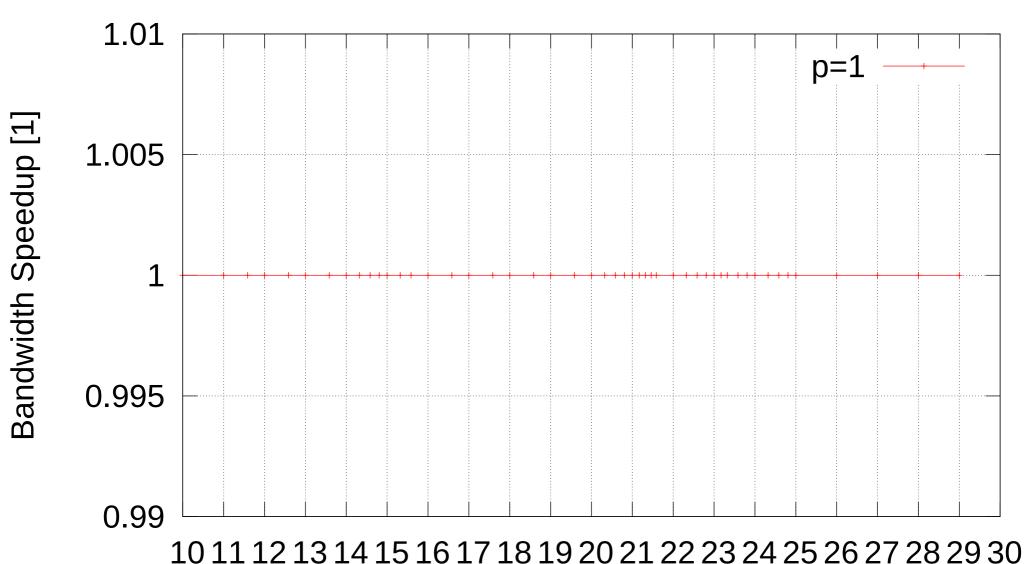
Array Size log₂ [B]

issdm-6 - Parallel Memory Access Time - ScanRead64PtrUnrollLoop



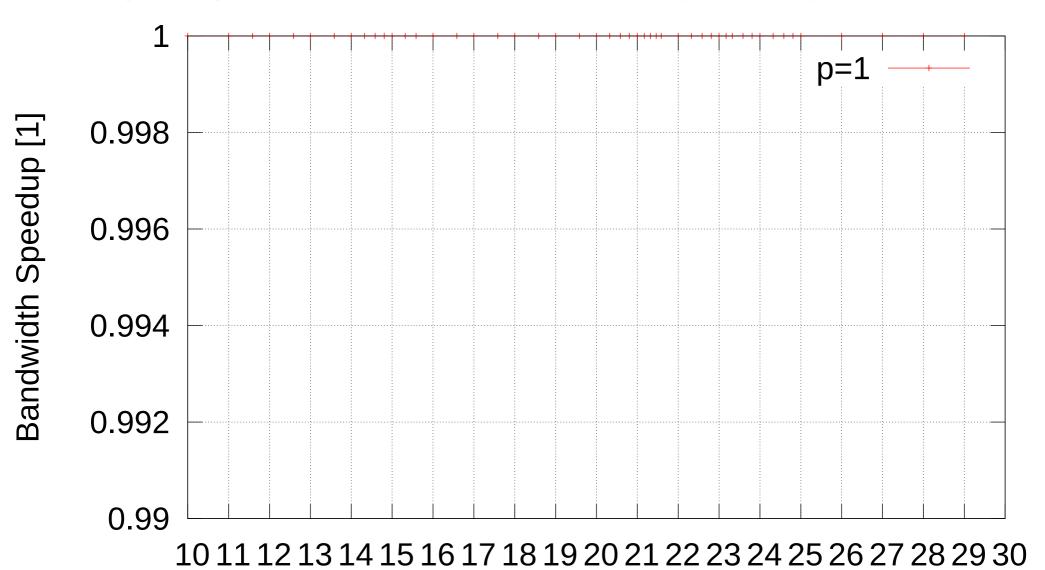
Array Size log₂ [B]

issdm-6 - Speedup of Parallel Memory Bandwidth - ScanRead64PtrUnro



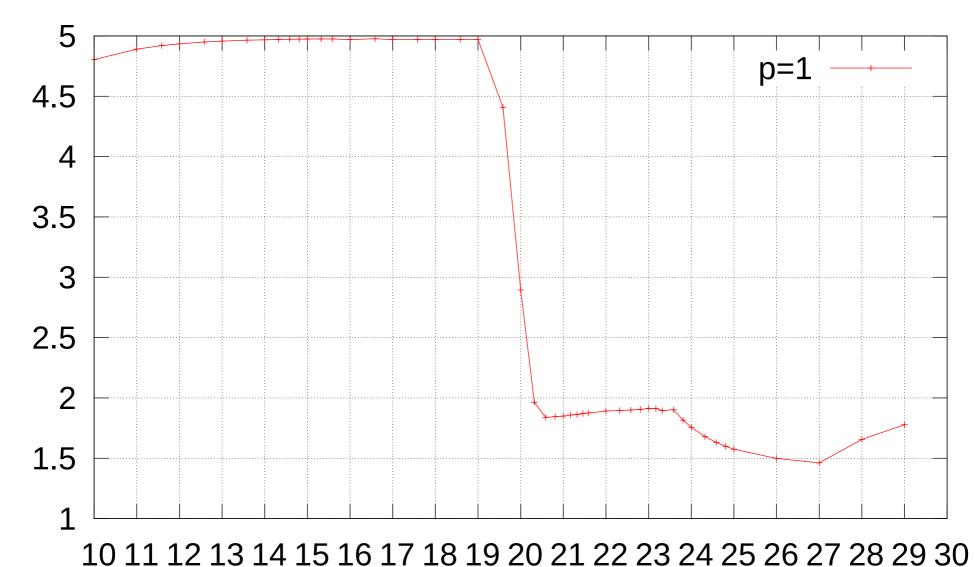
Array Size log₂ [B]

dm-6 - Speedup of Parallel Memory Bandwidth (enlarged) - ScanRead64P



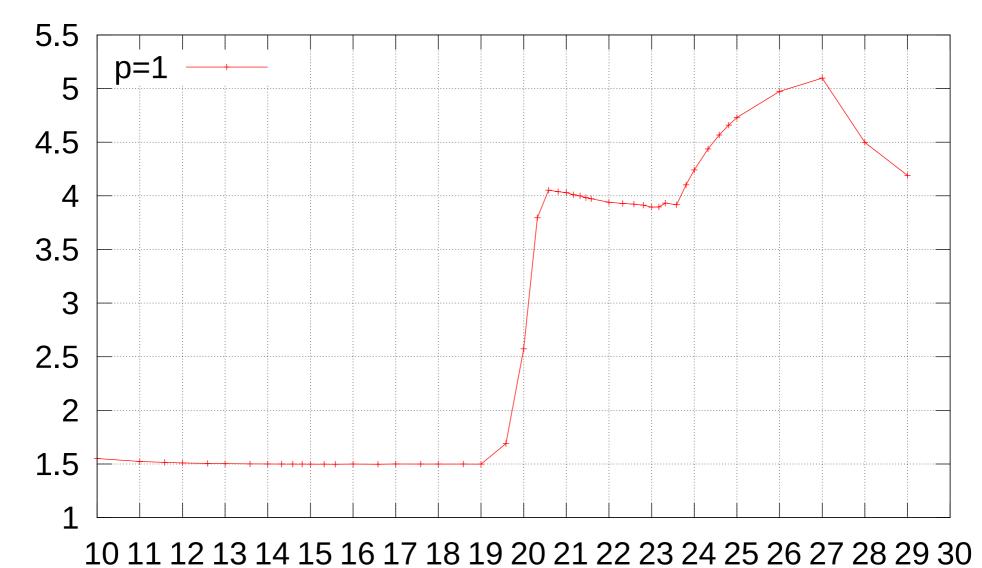
Array Size log₂ [B]

issdm-6 - Parallel Memory Bandwidth - ScanWrite64IndexSimpleLoo



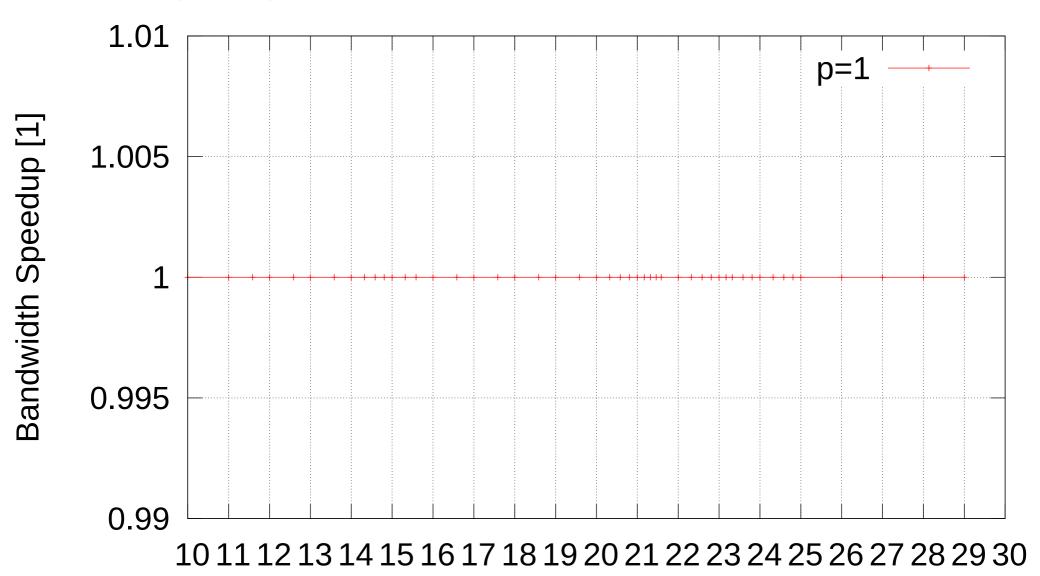
Array Size log₂ [B]

issdm-6 - Parallel Memory Access Time - ScanWrite64IndexSimpleLoc



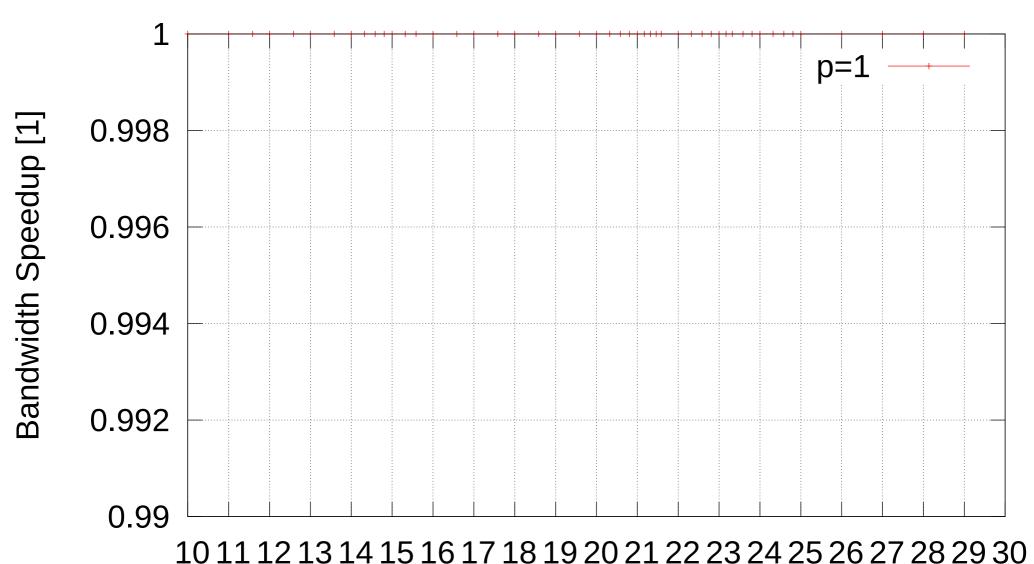
Array Size log₂ [B]

issdm-6 - Speedup of Parallel Memory Bandwidth - ScanWrite64IndexSim

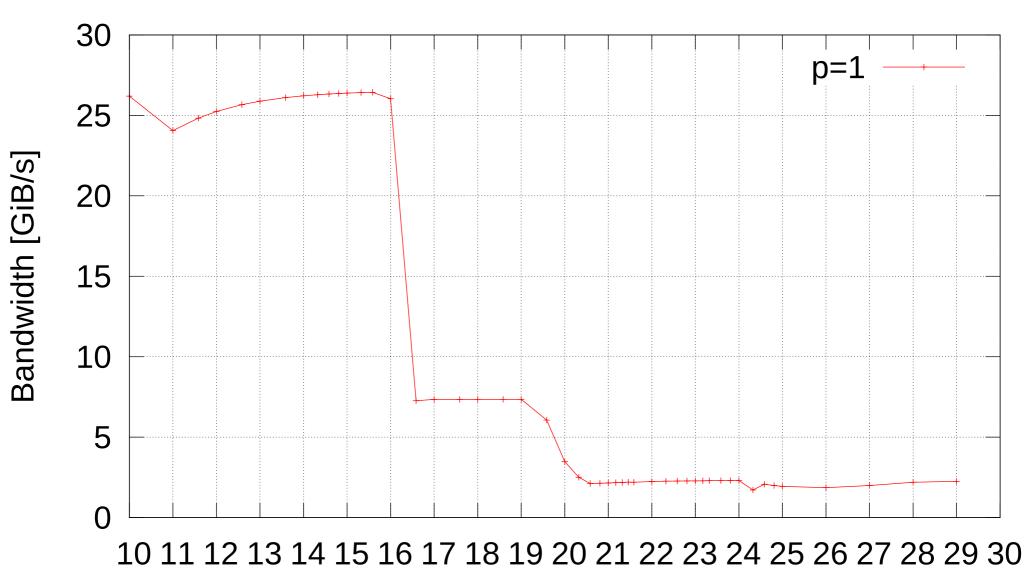


Array Size log₂ [B]

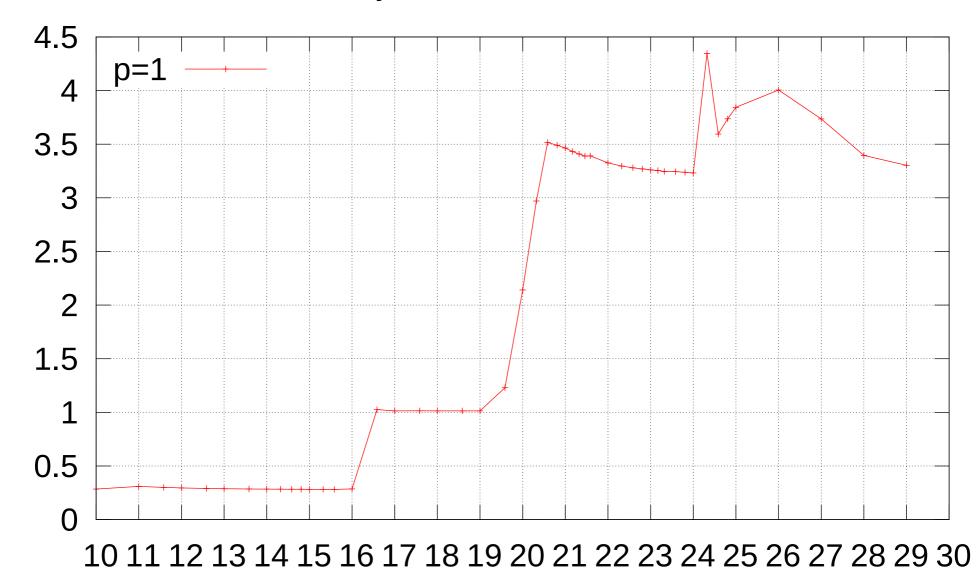
m-6 - Speedup of Parallel Memory Bandwidth (enlarged) - ScanWrite64Inde



Array Size log₂ [B]

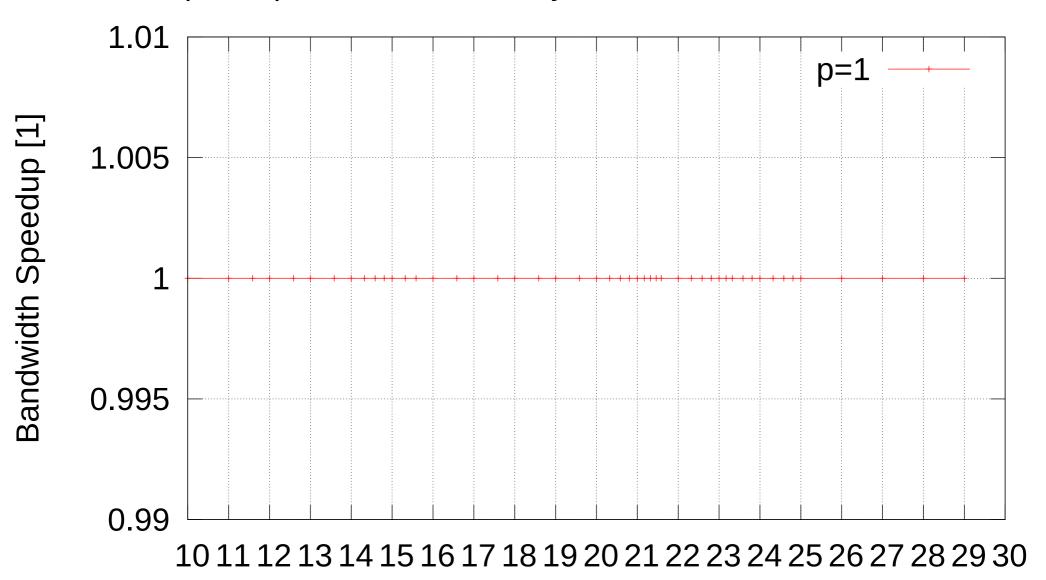


issdm-6 - Parallel Memory Access Time - ScanWrite64IndexUnrollLoc



Array Size log₂ [B]

issdm-6 - Speedup of Parallel Memory Bandwidth - ScanWrite64IndexUn



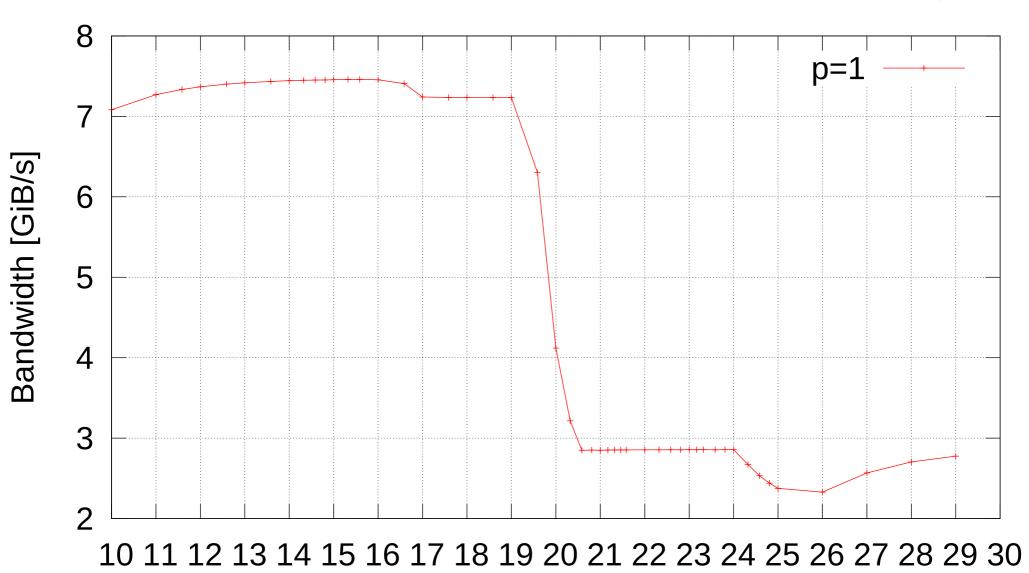
Array Size log₂ [B]

m-6 - Speedup of Parallel Memory Bandwidth (enlarged) - ScanWrite64Ind



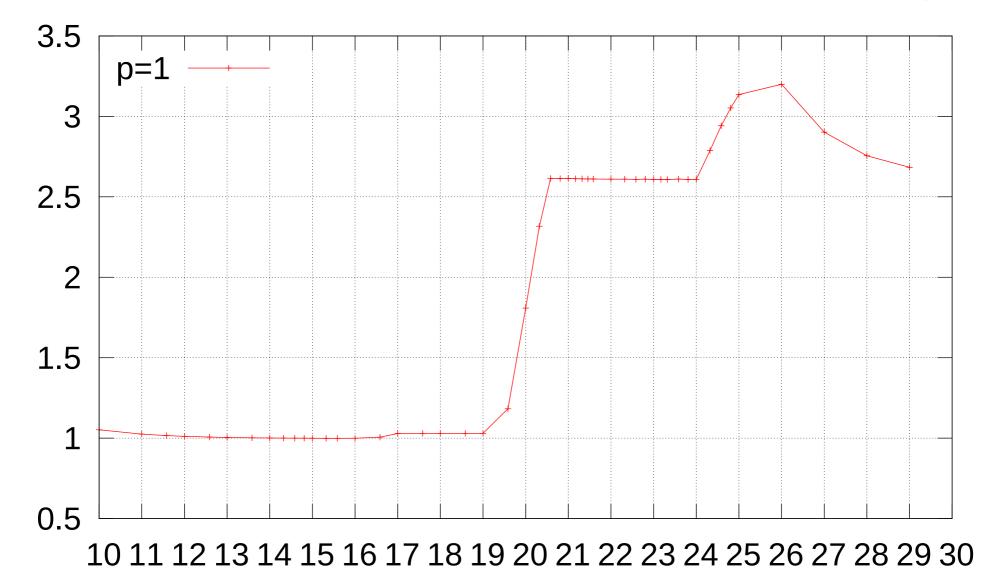
Array Size log₂ [B]

issdm-6 - Parallel Memory Bandwidth - ScanRead64IndexSimpleLoop



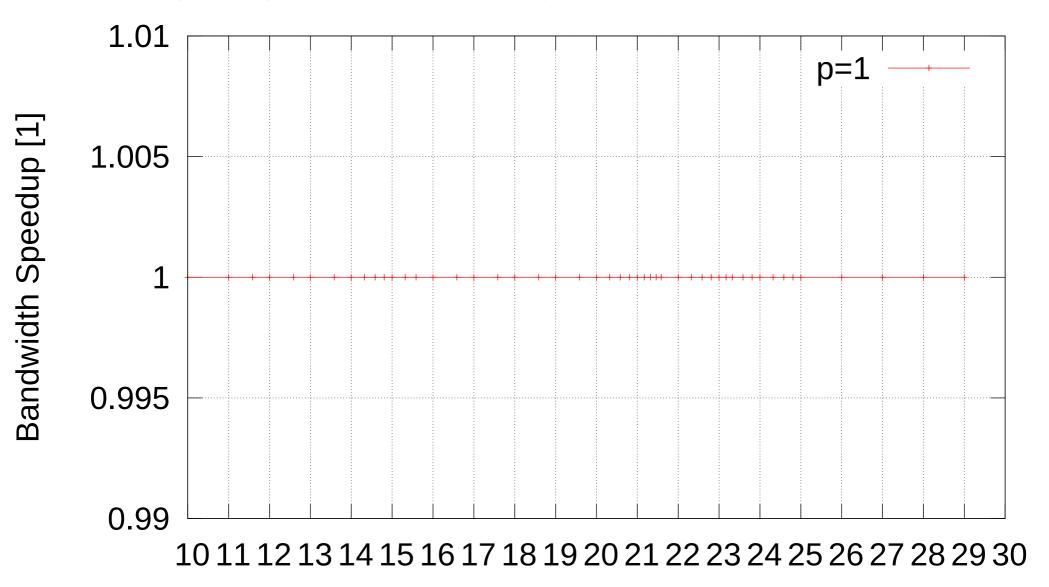
Array Size log₂ [B]

issdm-6 - Parallel Memory Access Time - ScanRead64IndexSimpleLoc



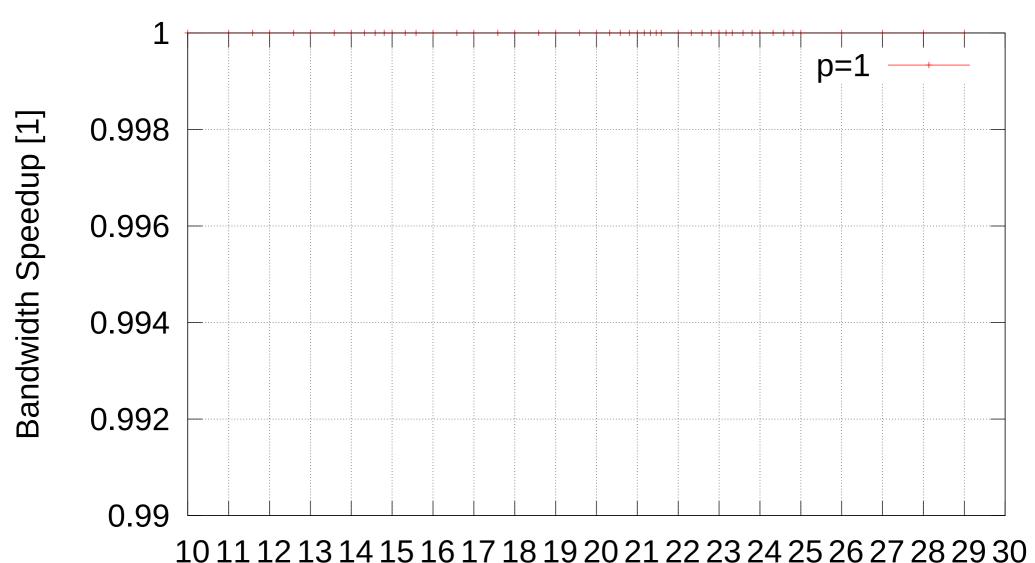
Array Size log₂ [B]

issdm-6 - Speedup of Parallel Memory Bandwidth - ScanRead64IndexSim

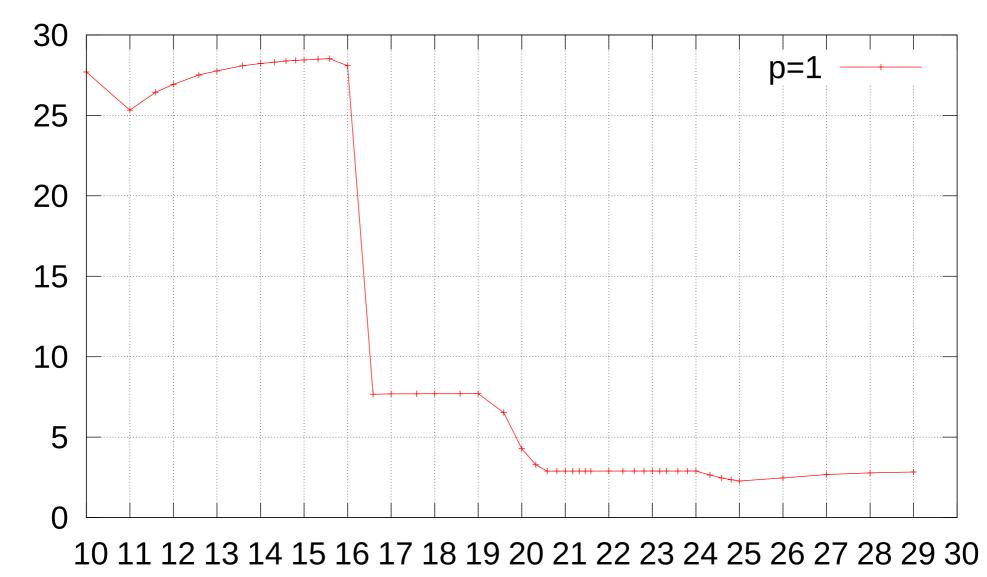


Array Size log₂ [B]

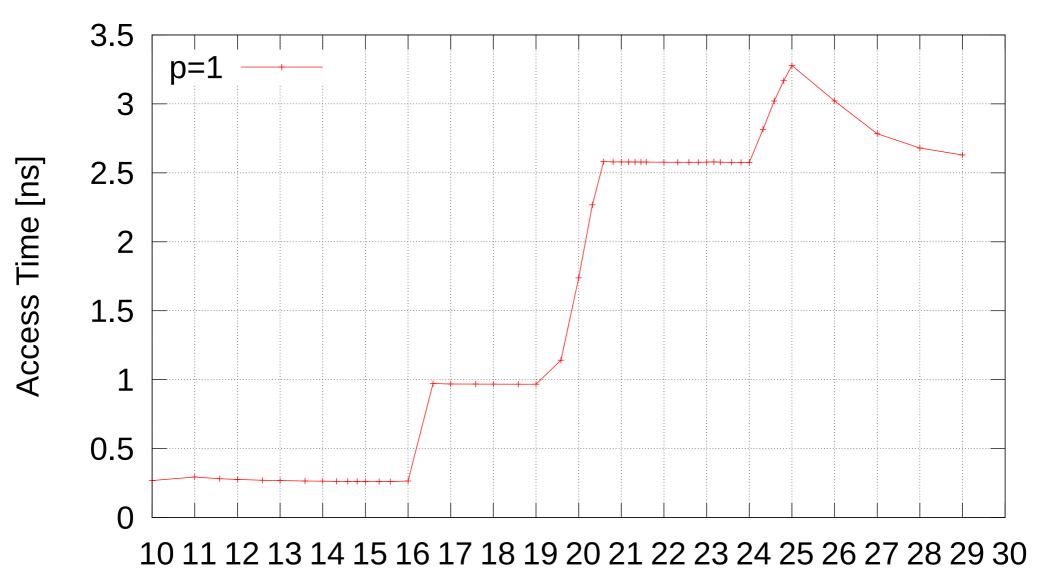
m-6 - Speedup of Parallel Memory Bandwidth (enlarged) - ScanRead64Inde



Array Size log₂ [B]

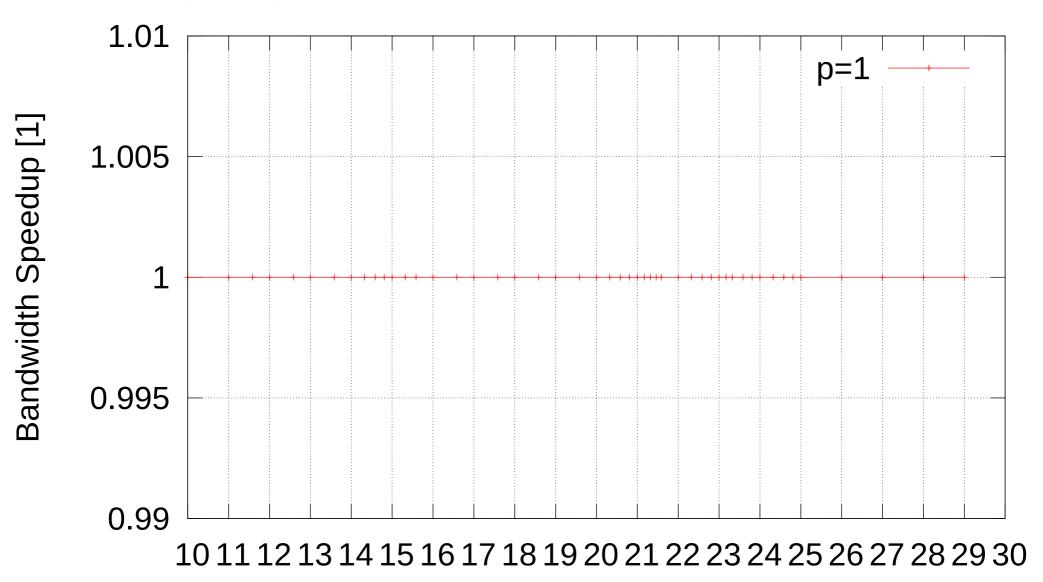


Bandwidth [GiB/s]



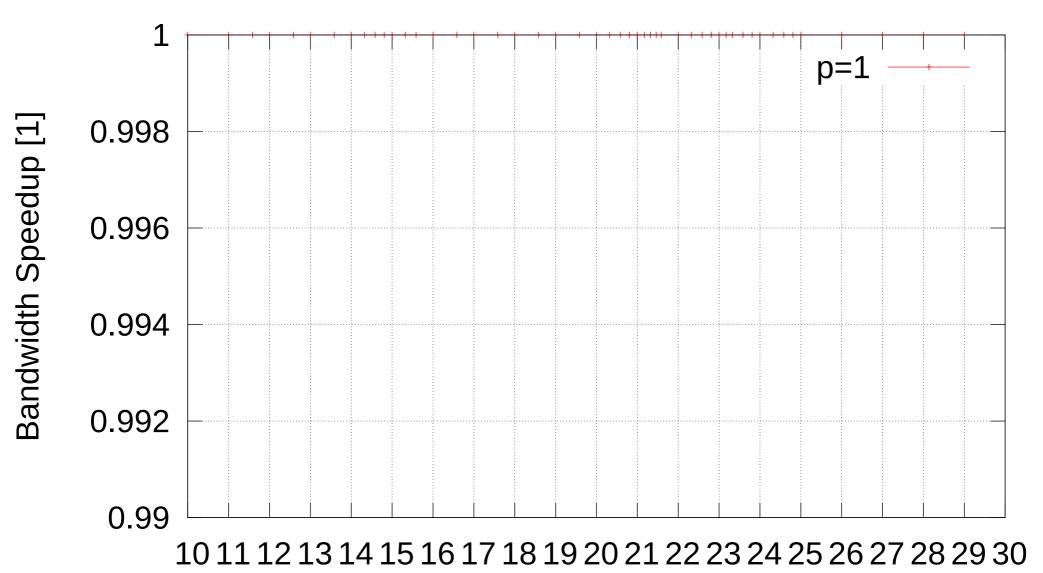
Array Size log₂ [B]

issdm-6 - Speedup of Parallel Memory Bandwidth - ScanRead64IndexUn

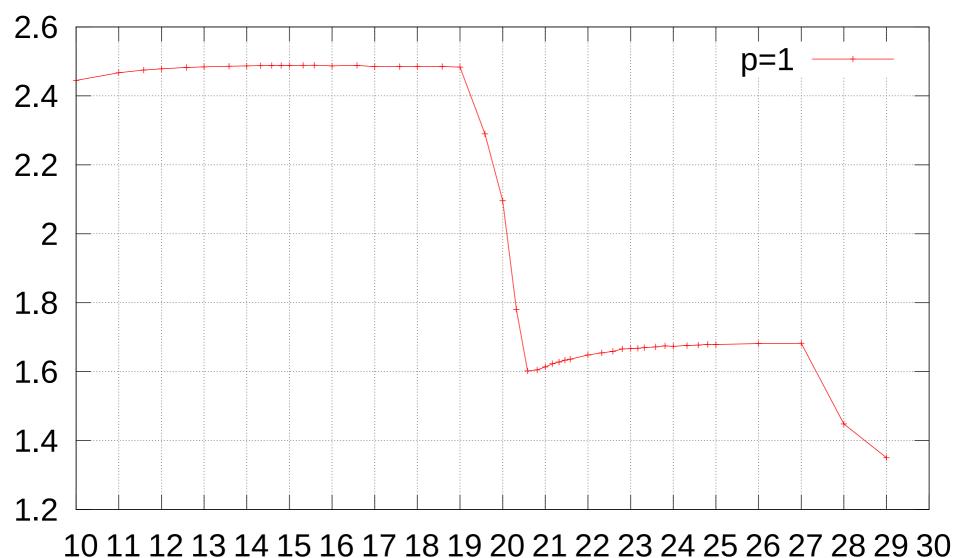


Array Size log₂ [B]

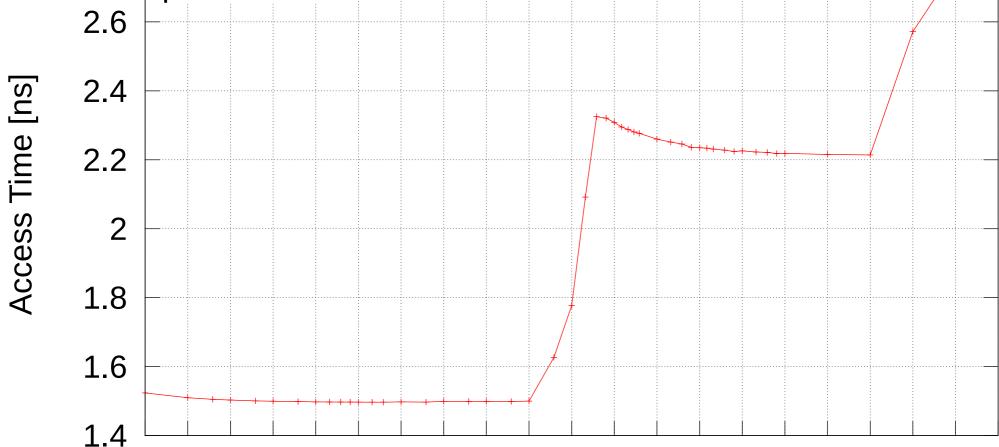
m-6 - Speedup of Parallel Memory Bandwidth (enlarged) - ScanRead64Ind



Array Size log₂ [B]

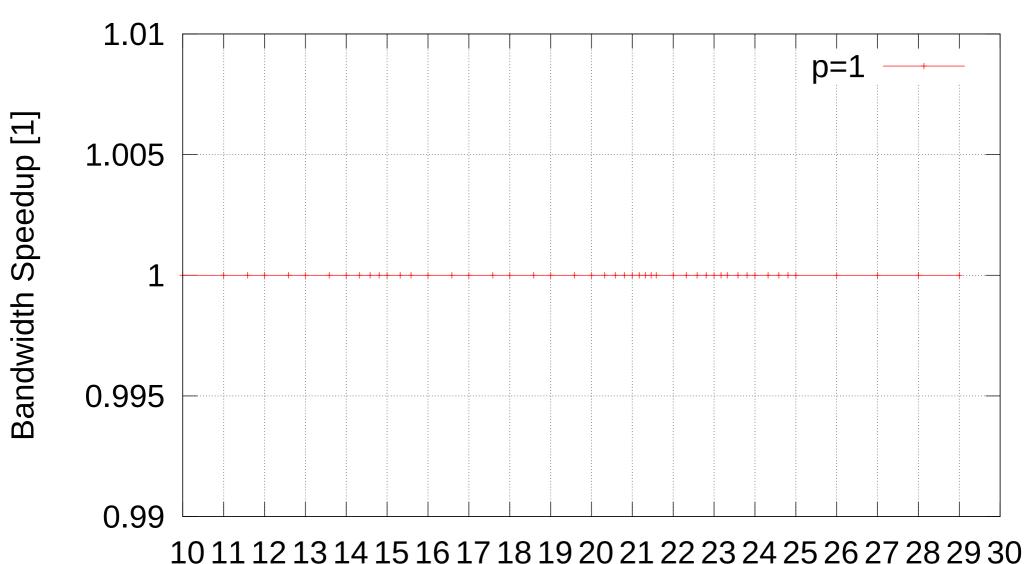


Array Size log₂ [B]



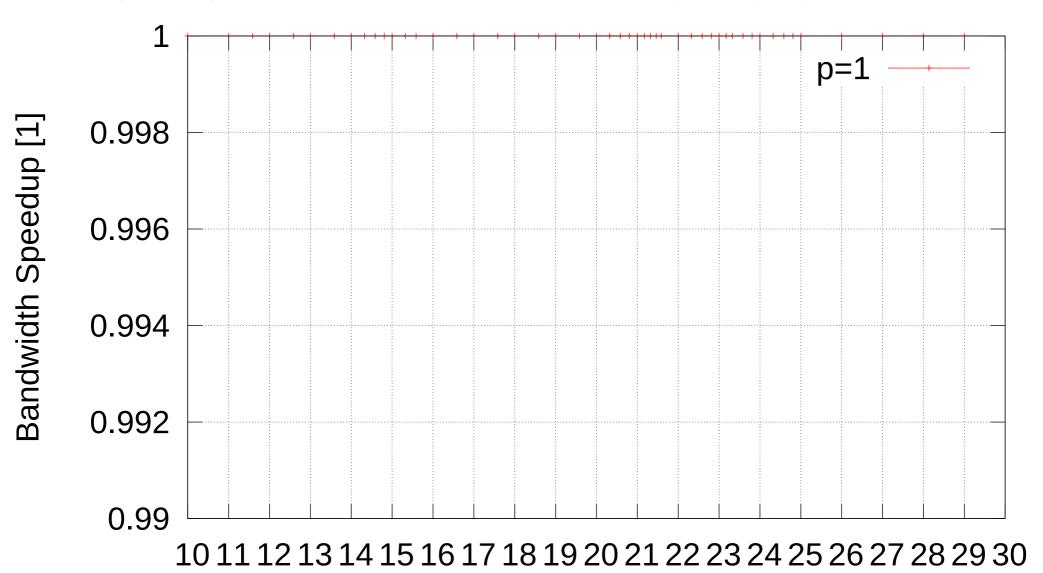
10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30

issdm-6 - Speedup of Parallel Memory Bandwidth - ScanWrite32PtrSimp

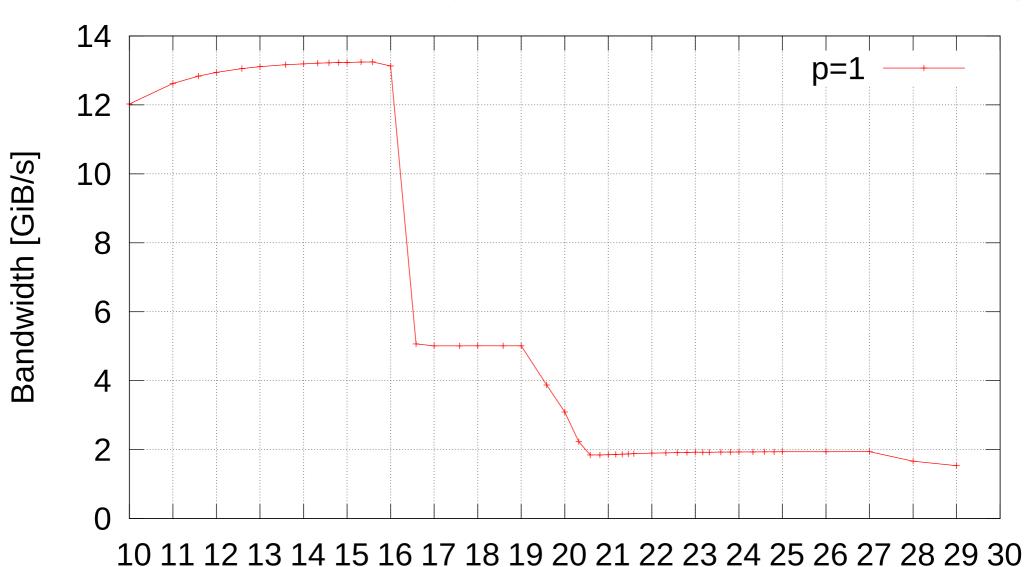


Array Size log₂ [B]

dm-6 - Speedup of Parallel Memory Bandwidth (enlarged) - ScanWrite32Pt

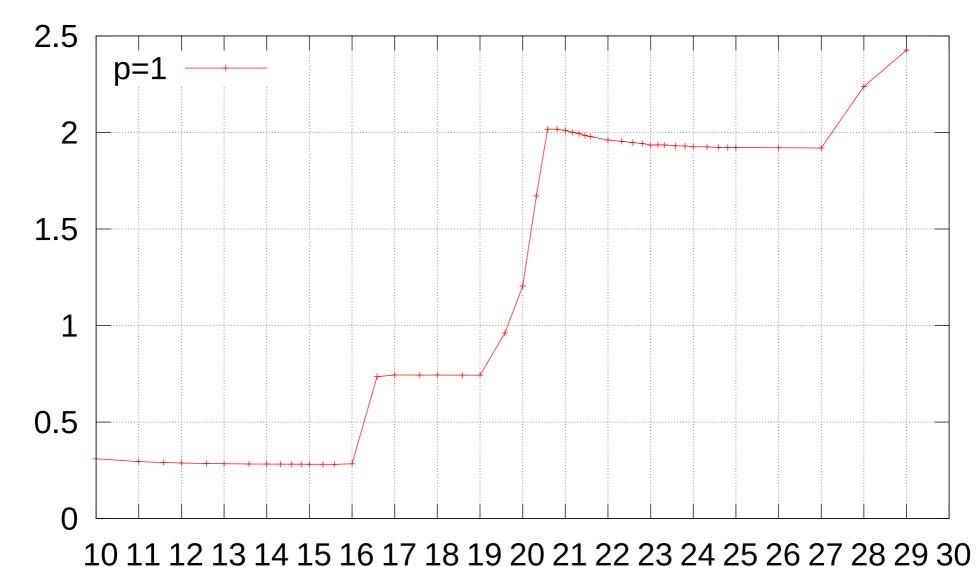


Array Size log₂ [B]



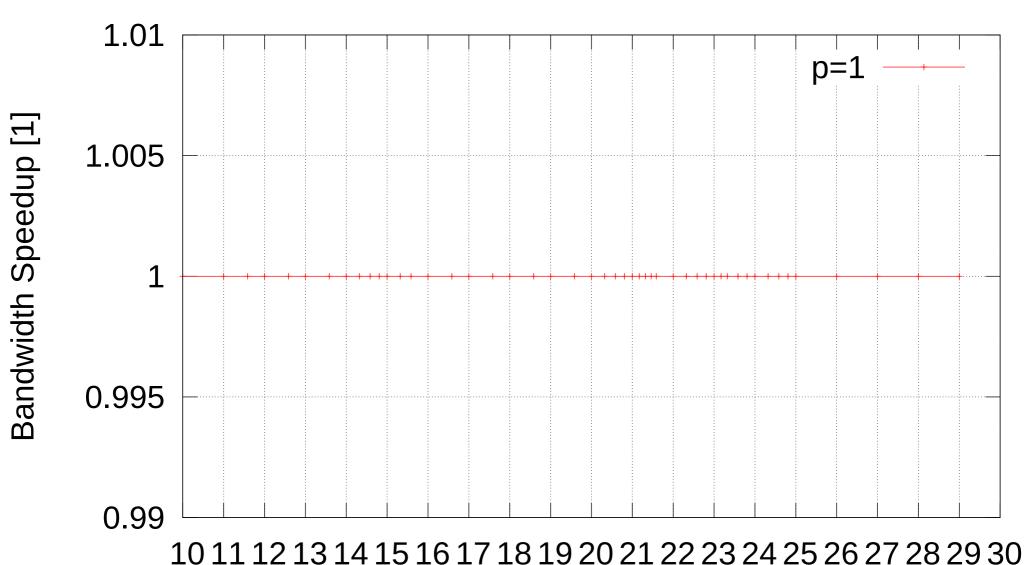
Array Size log₂ [B]

issdm-6 - Parallel Memory Access Time - ScanWrite32PtrUnrollLoop



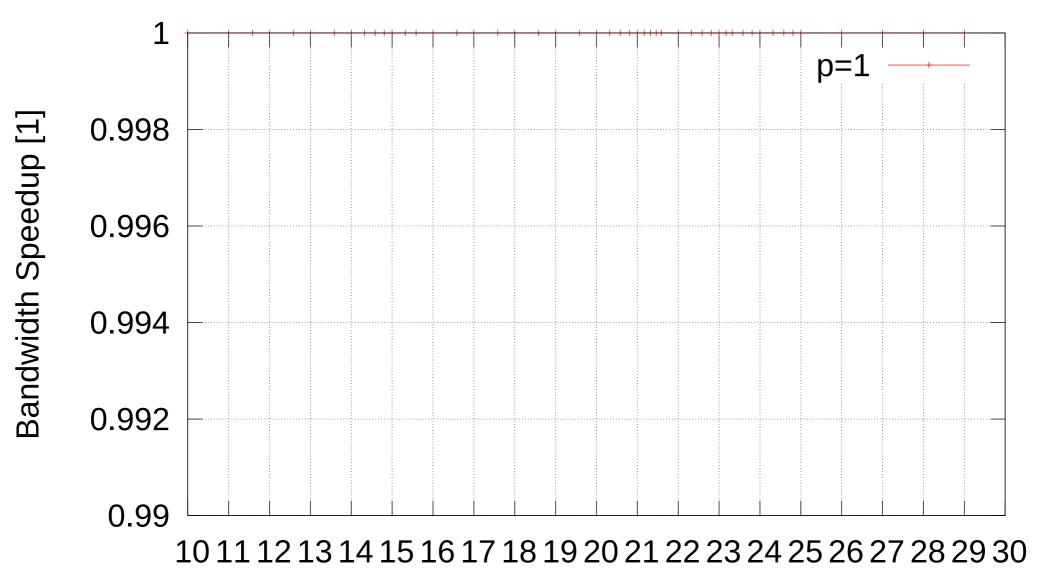
Array Size log₂ [B]

issdm-6 - Speedup of Parallel Memory Bandwidth - ScanWrite32PtrUnro



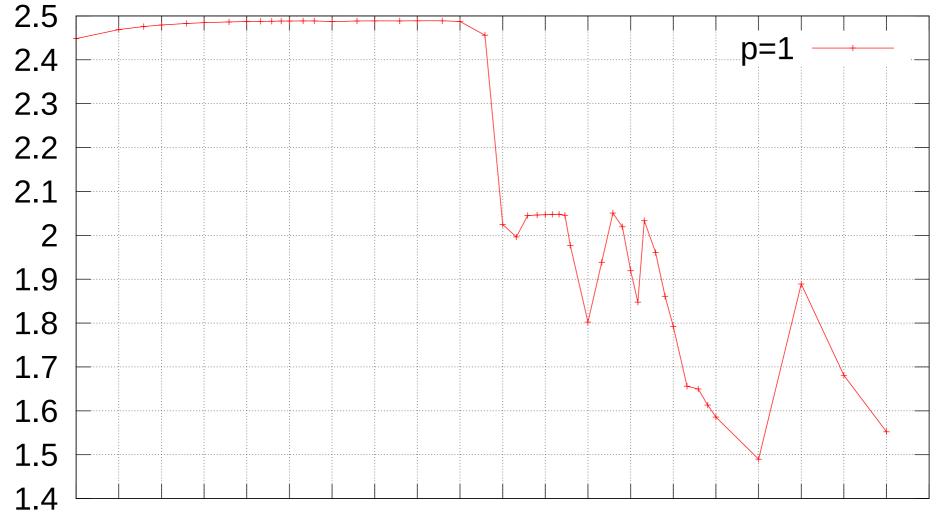
Array Size log₂ [B]

dm-6 - Speedup of Parallel Memory Bandwidth (enlarged) - ScanWrite32Pt



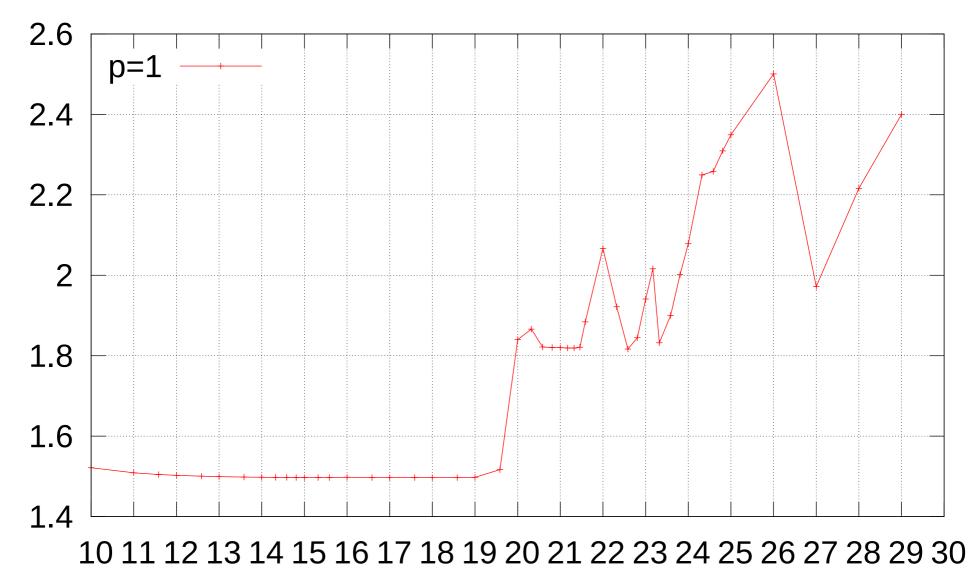
Array Size log₂ [B]

issdm-6 - Parallel Memory Bandwidth - ScanRead32PtrSimpleLoop



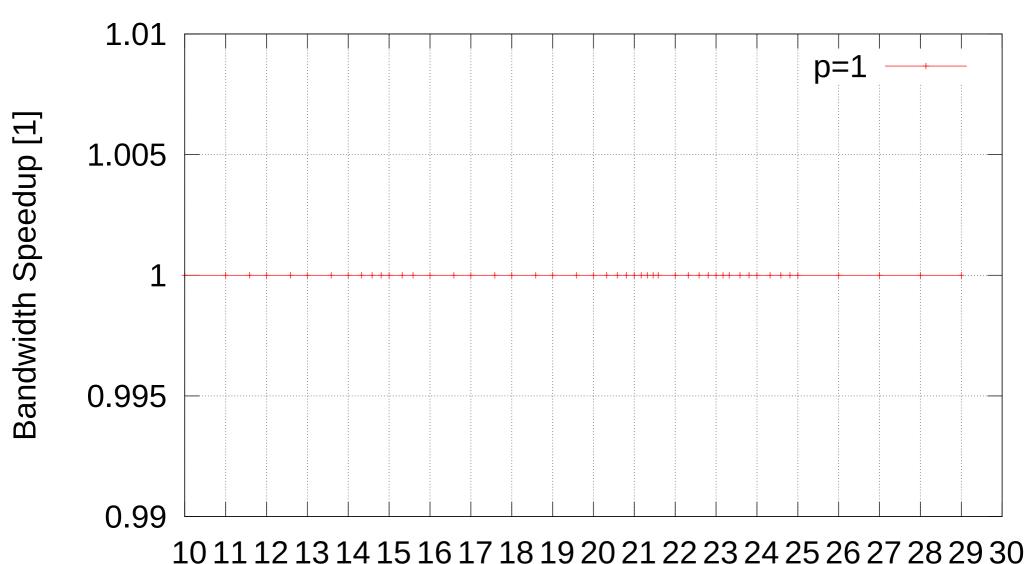
10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30

issdm-6 - Parallel Memory Access Time - ScanRead32PtrSimpleLoop



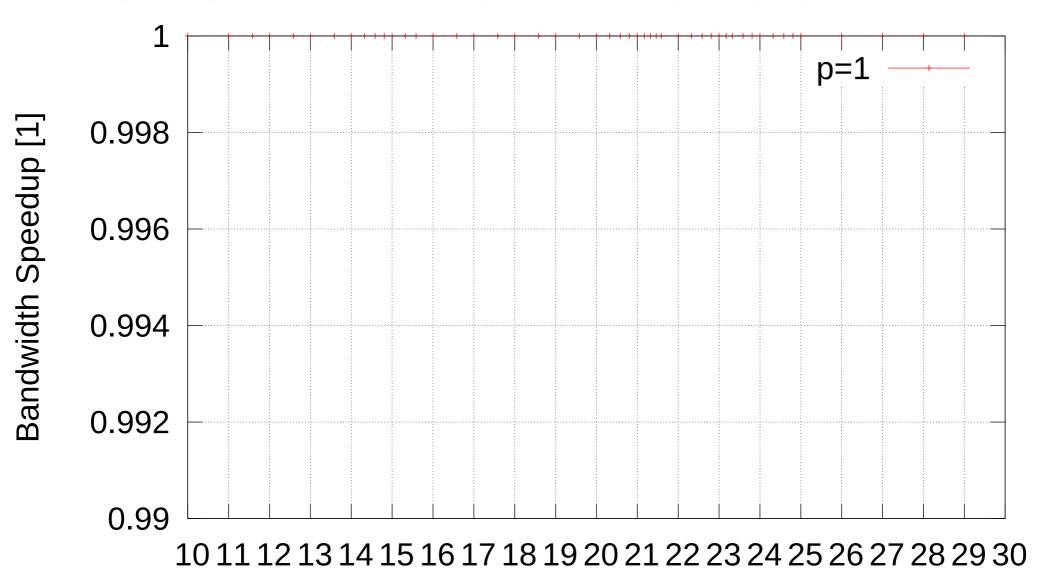
Array Size log₂ [B]

issdm-6 - Speedup of Parallel Memory Bandwidth - ScanRead32PtrSimp



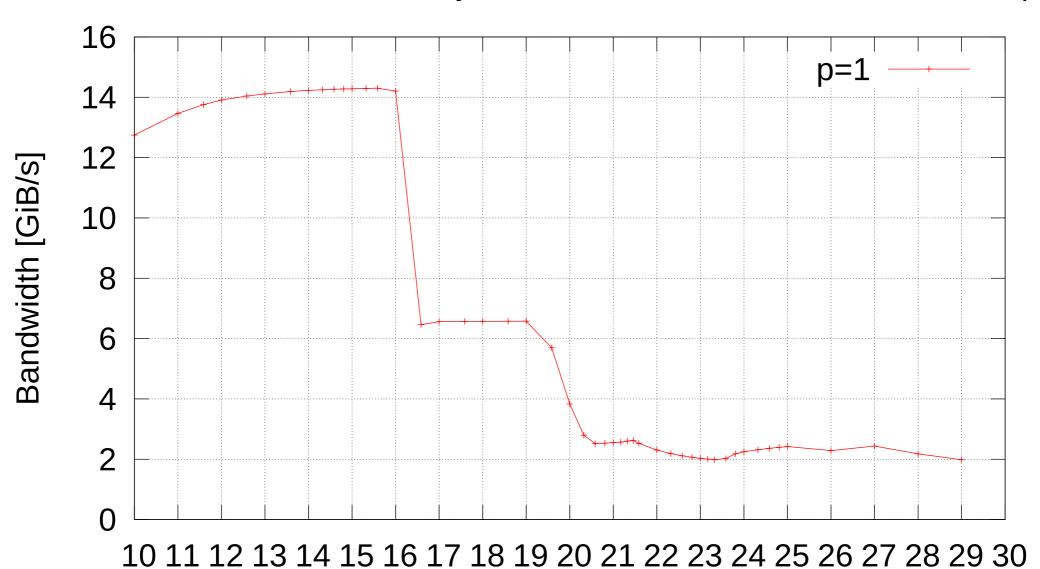
Array Size log₂ [B]

dm-6 - Speedup of Parallel Memory Bandwidth (enlarged) - ScanRead32Pt



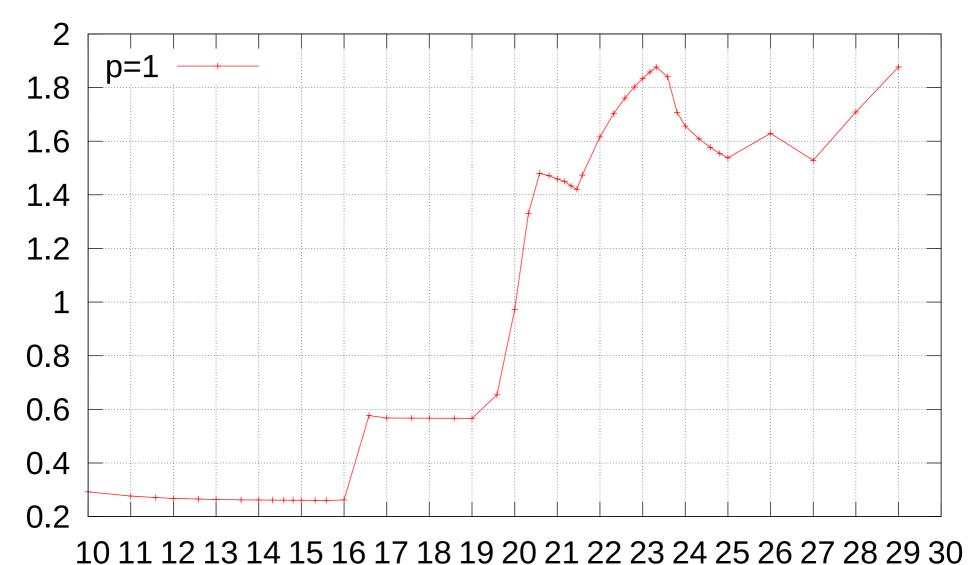
Array Size log₂ [B]

issdm-6 - Parallel Memory Bandwidth - ScanRead32PtrUnrollLoop

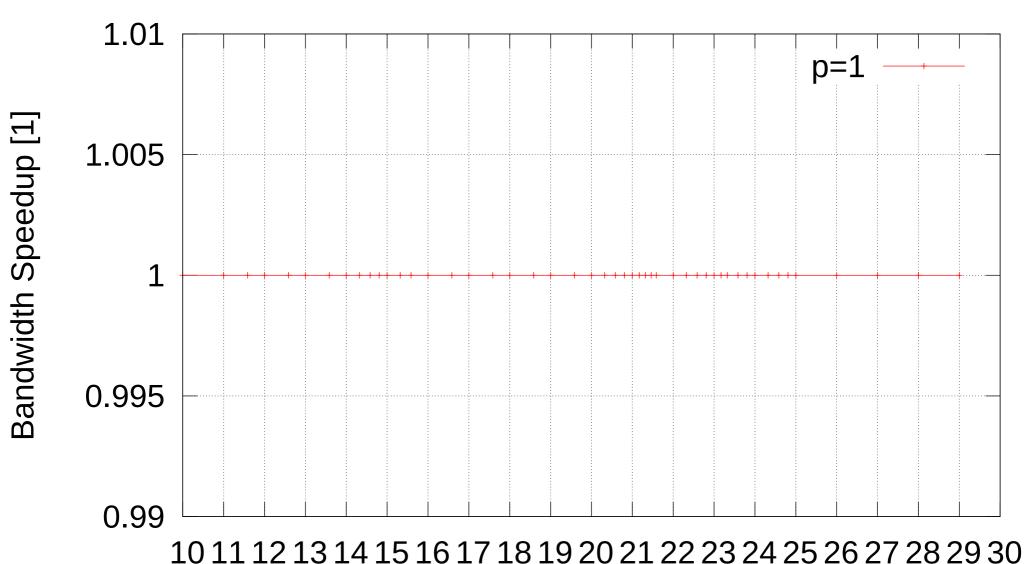


Array Size log₂ [B]

issdm-6 - Parallel Memory Access Time - ScanRead32PtrUnrollLoop

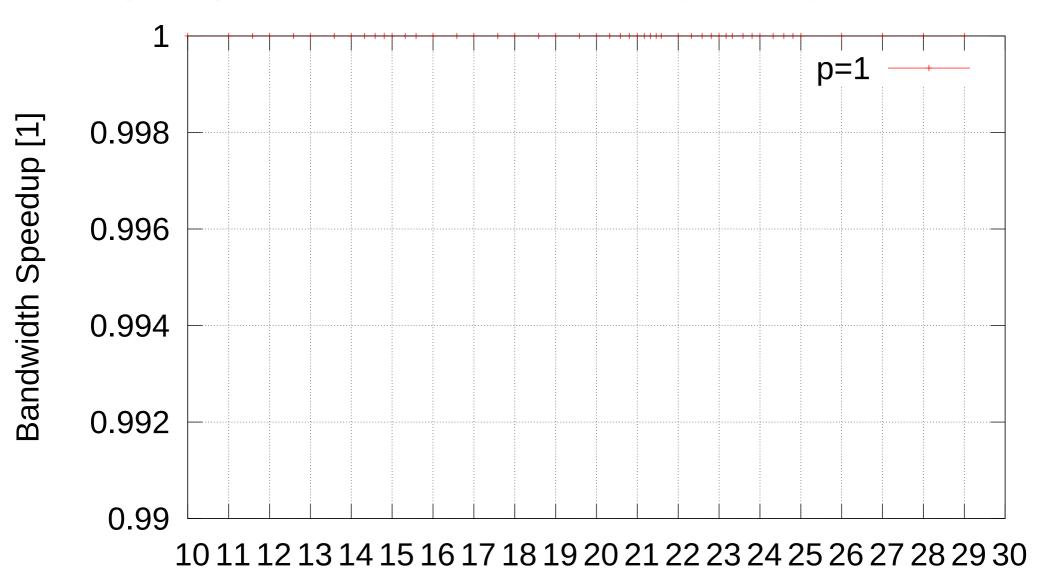


Array Size log₂ [B]



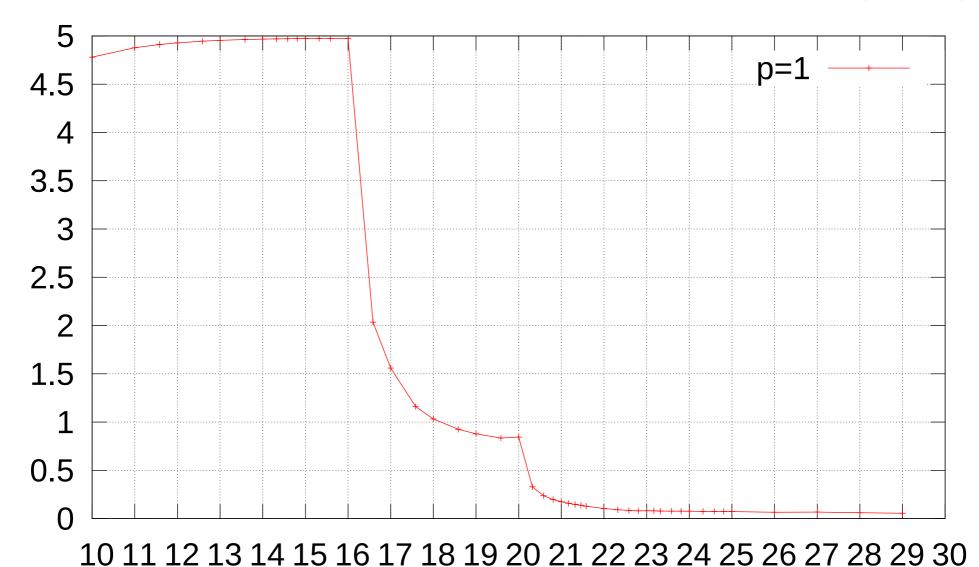
01710132021222024232027202300

dm-6 - Speedup of Parallel Memory Bandwidth (enlarged) - ScanRead32P



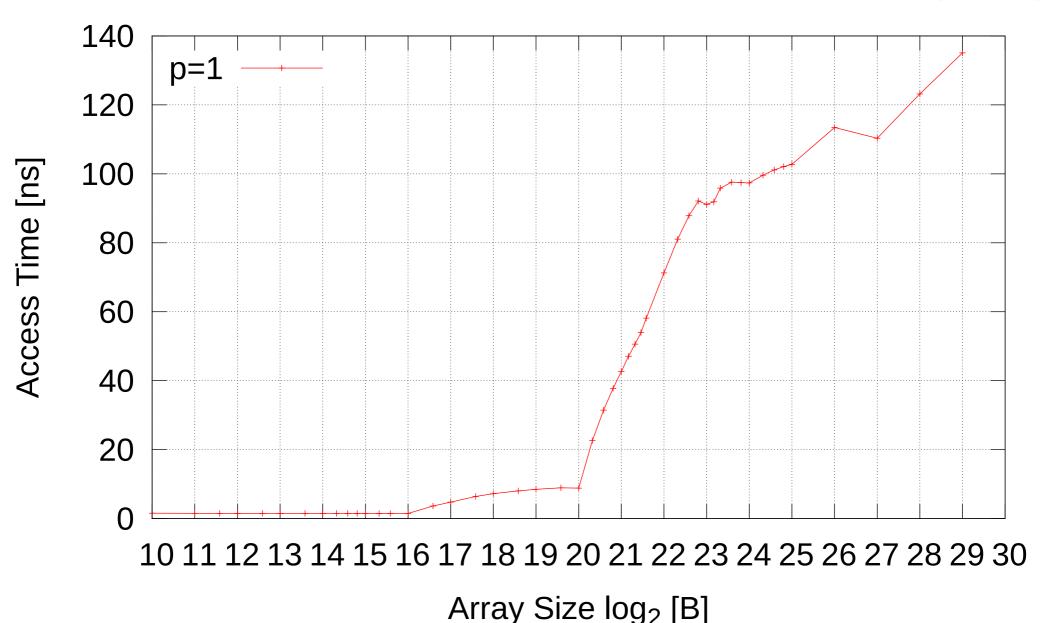
Array Size \log_2 [B]

issdm-6 - Parallel Memory Bandwidth - PermRead64SimpleLoop

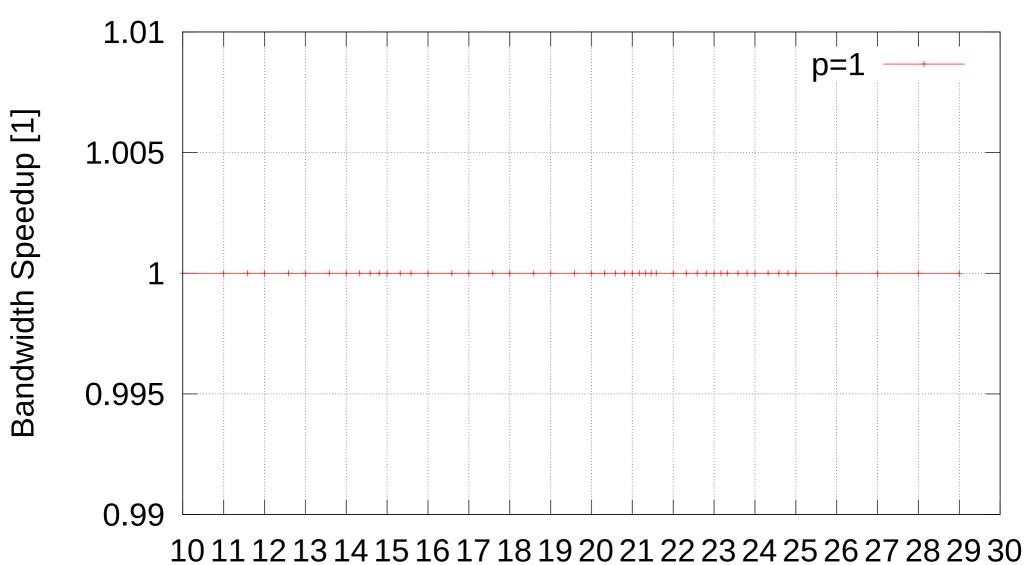


Array Size log₂ [B]

issdm-6 - Parallel Memory Access Time - PermRead64SimpleLoop



pmbw 0.6.2



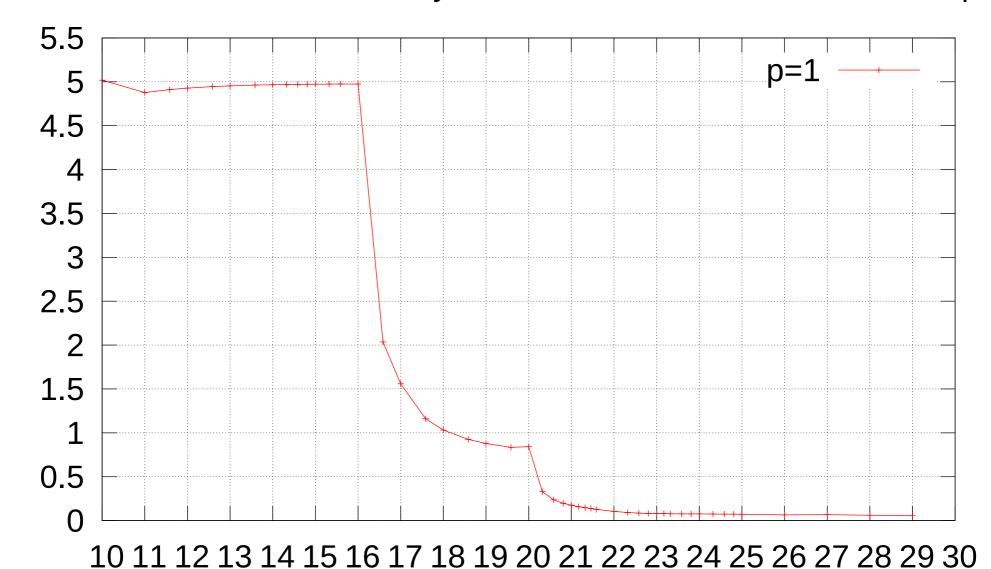
Array Size log₂ [B]

sdm-6 - Speedup of Parallel Memory Bandwidth (enlarged) - PermRead649



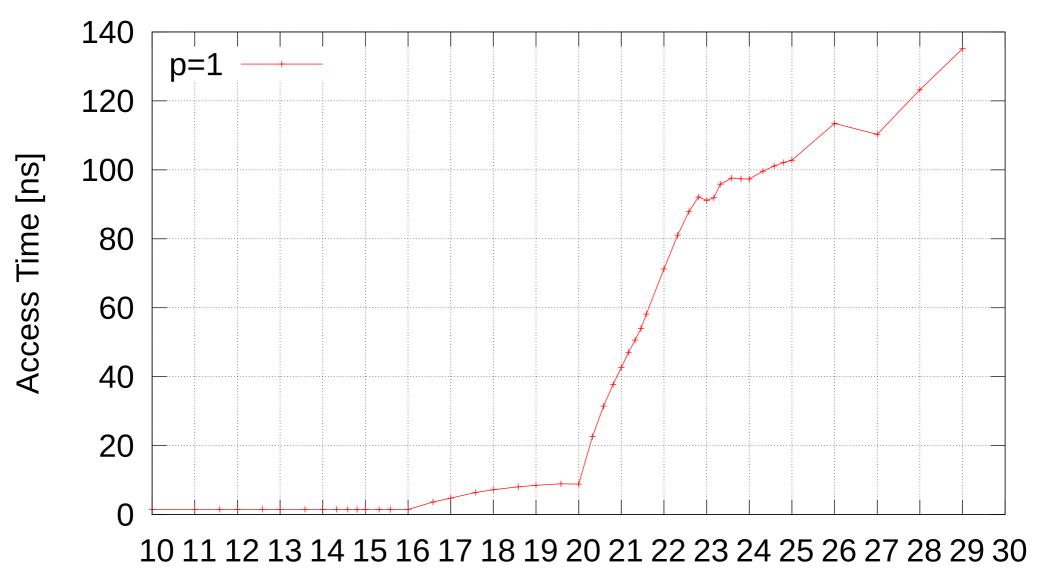
Array Size log₂ [B]

issdm-6 - Parallel Memory Bandwidth - PermRead64UnrollLoop

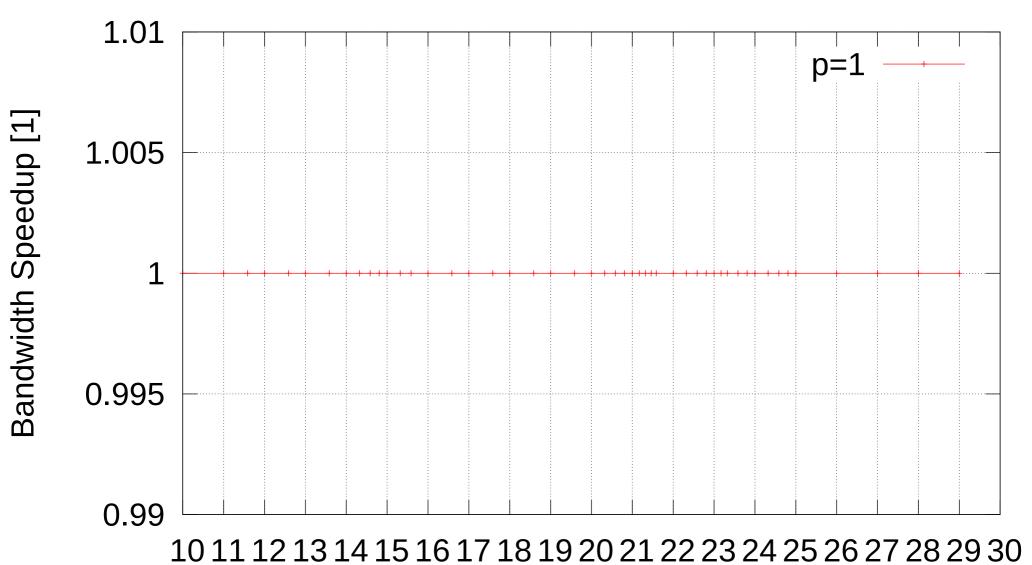


Array Size log₂ [B]

issdm-6 - Parallel Memory Access Time - PermRead64UnrollLoop

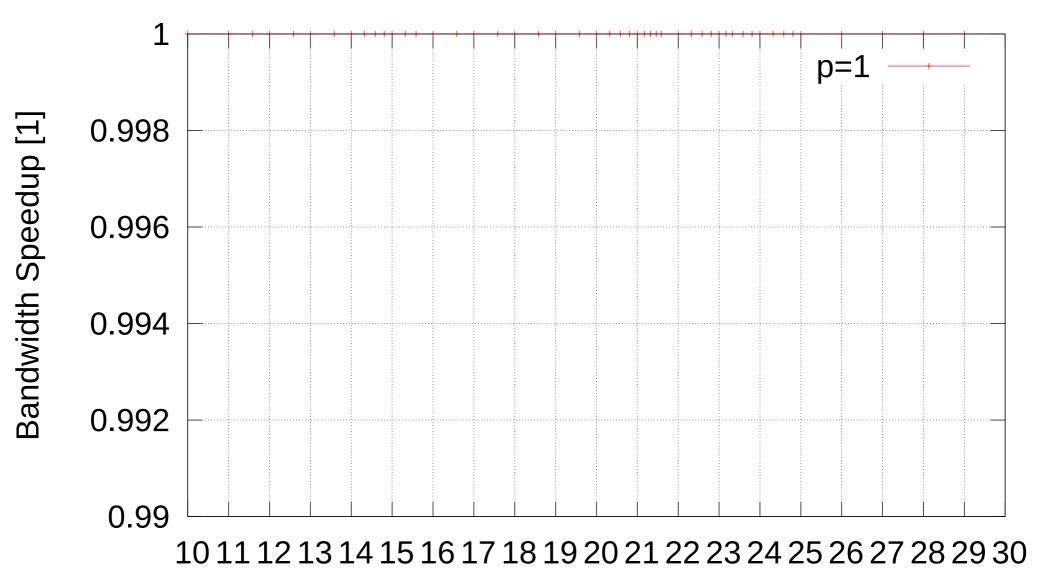


Array Size log₂ [B]



Array Size log₂ [B]

ssdm-6 - Speedup of Parallel Memory Bandwidth (enlarged) - PermRead64



Array Size log₂ [B]