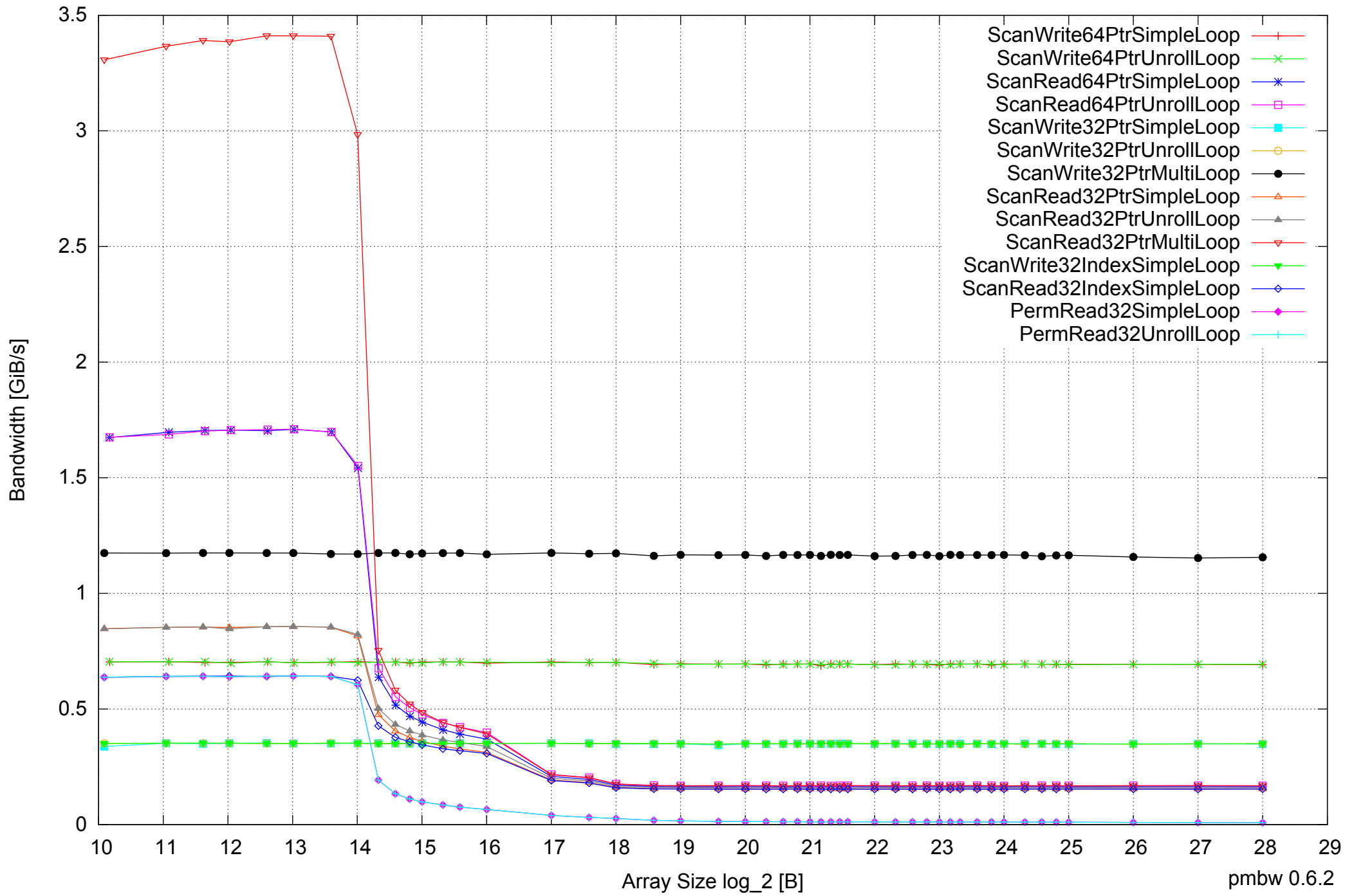
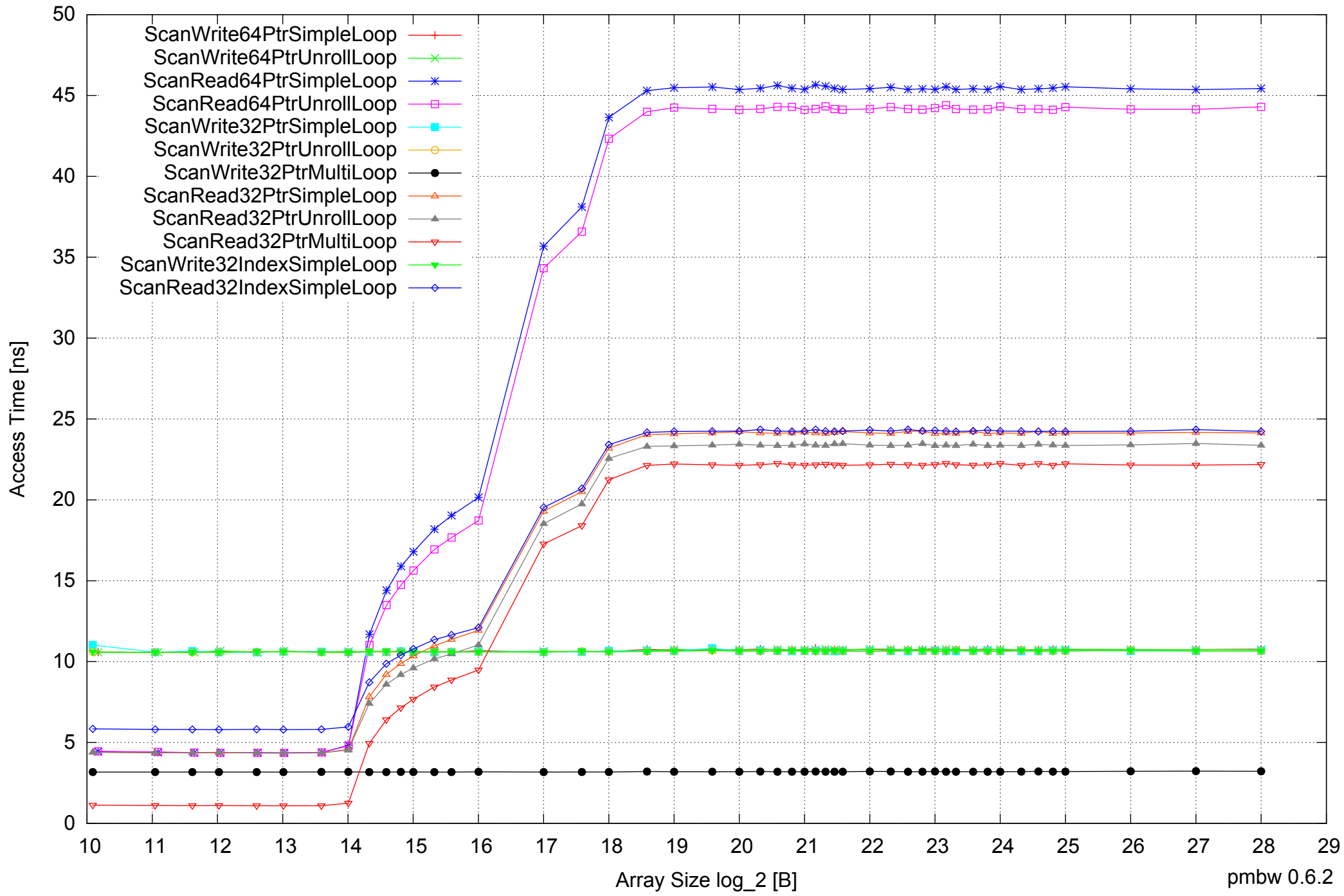


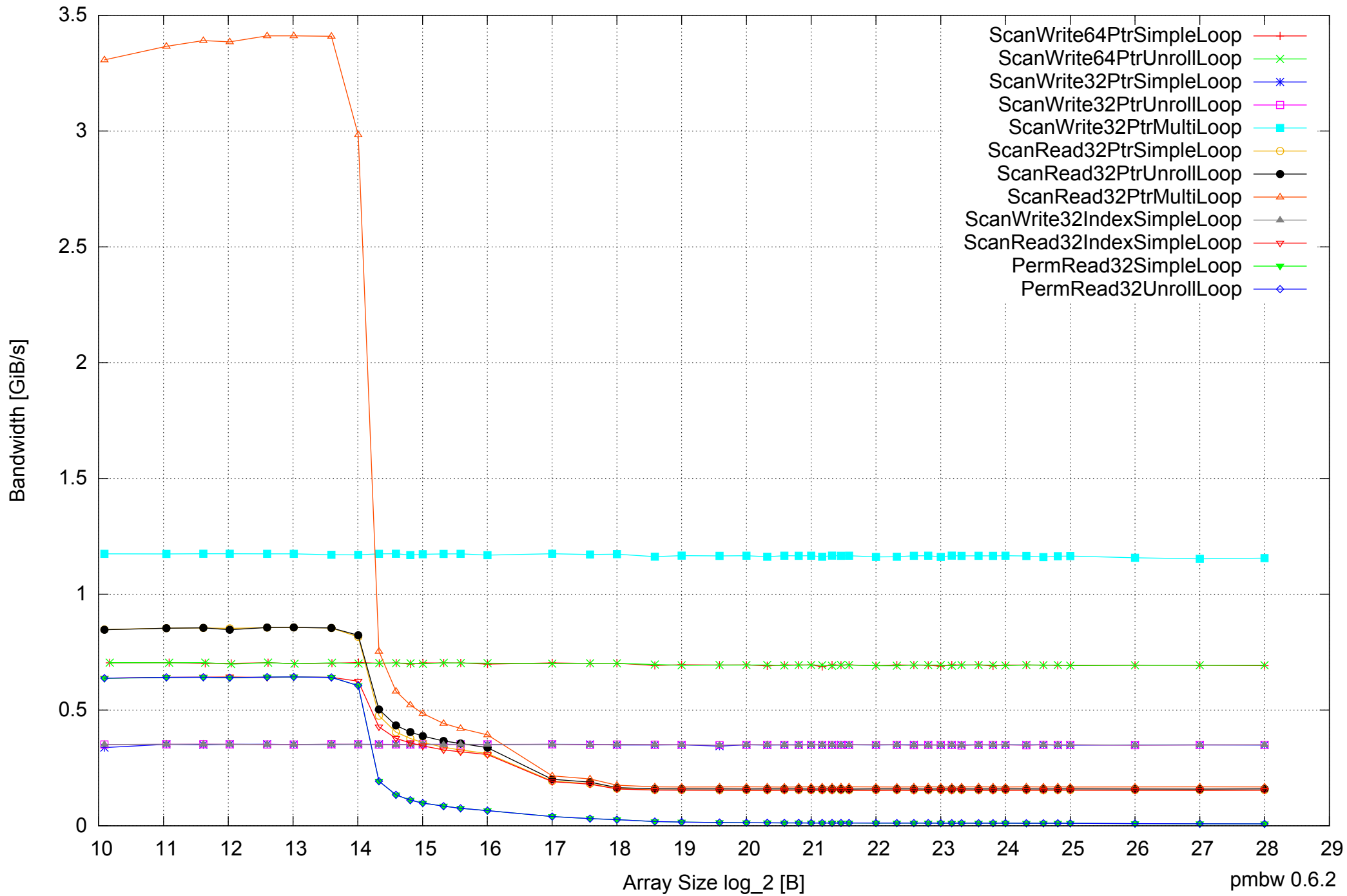
Raspberry Pi Model B: ARM1176JZF-S 512MB - One Thread Memory Bandwidth



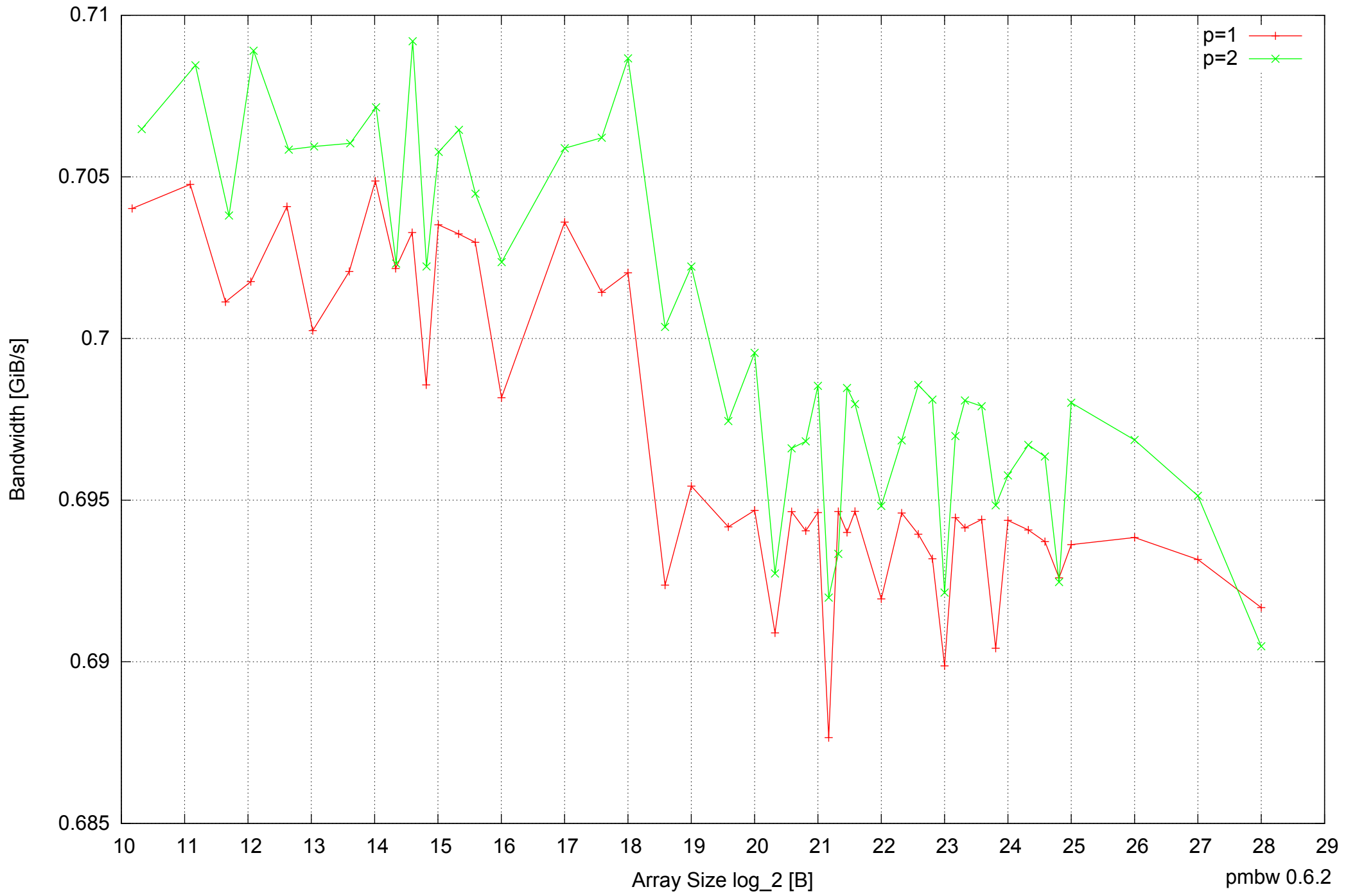
Raspberry Pi Model B: ARM1176JZF-S 512MB - One Thread Memory Latency (excluding Permutation)



Raspberry Pi Model B: ARM1176JZF-S 512MB - One Thread Memory Bandwidth (only 64-bit Reads)



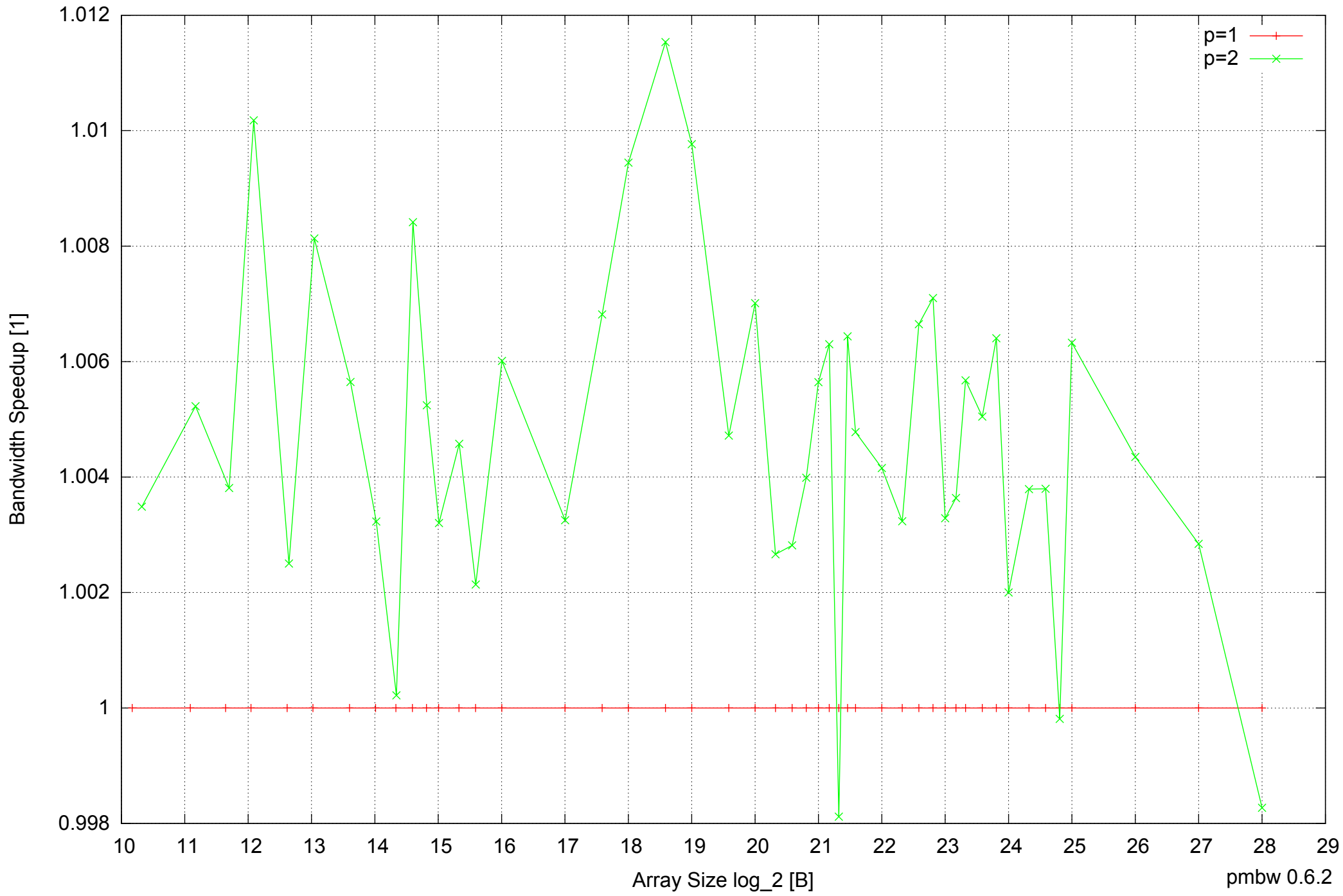
Raspberry Pi Model B: ARM1176JZF-S 512MB - Parallel Memory Bandwidth - ScanWrite64PtrSimpleLoop



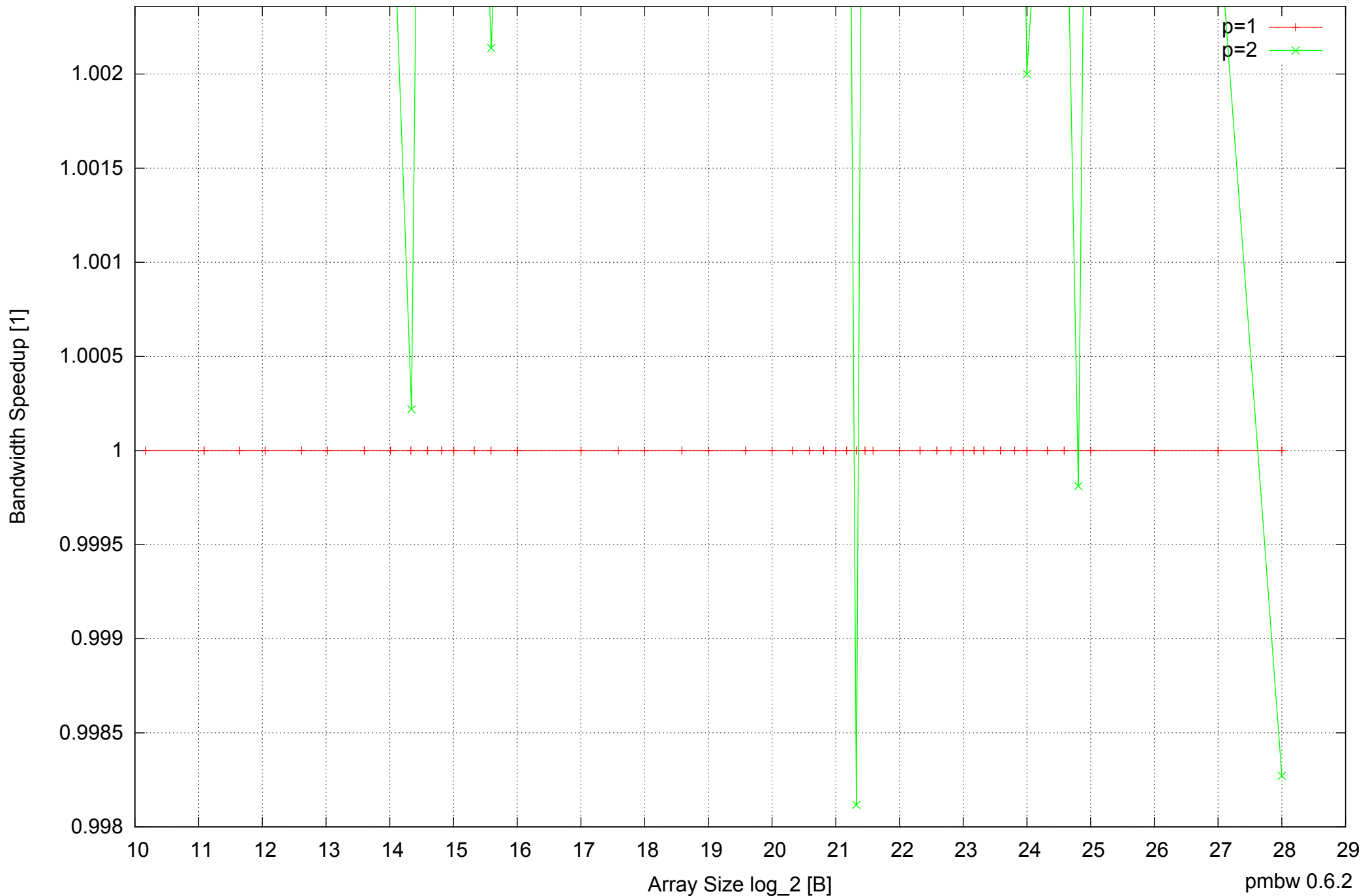
Raspberry Pi Model B: ARM1176JZF-S 512MB - Parallel Memory Access Time - ScanWrite64PtrSimpleLoop



Raspberry Pi Model B: ARM1176JZF-S 512MB - Speedup of Parallel Memory Bandwidth - ScanWrite64PtrSimpleLoop



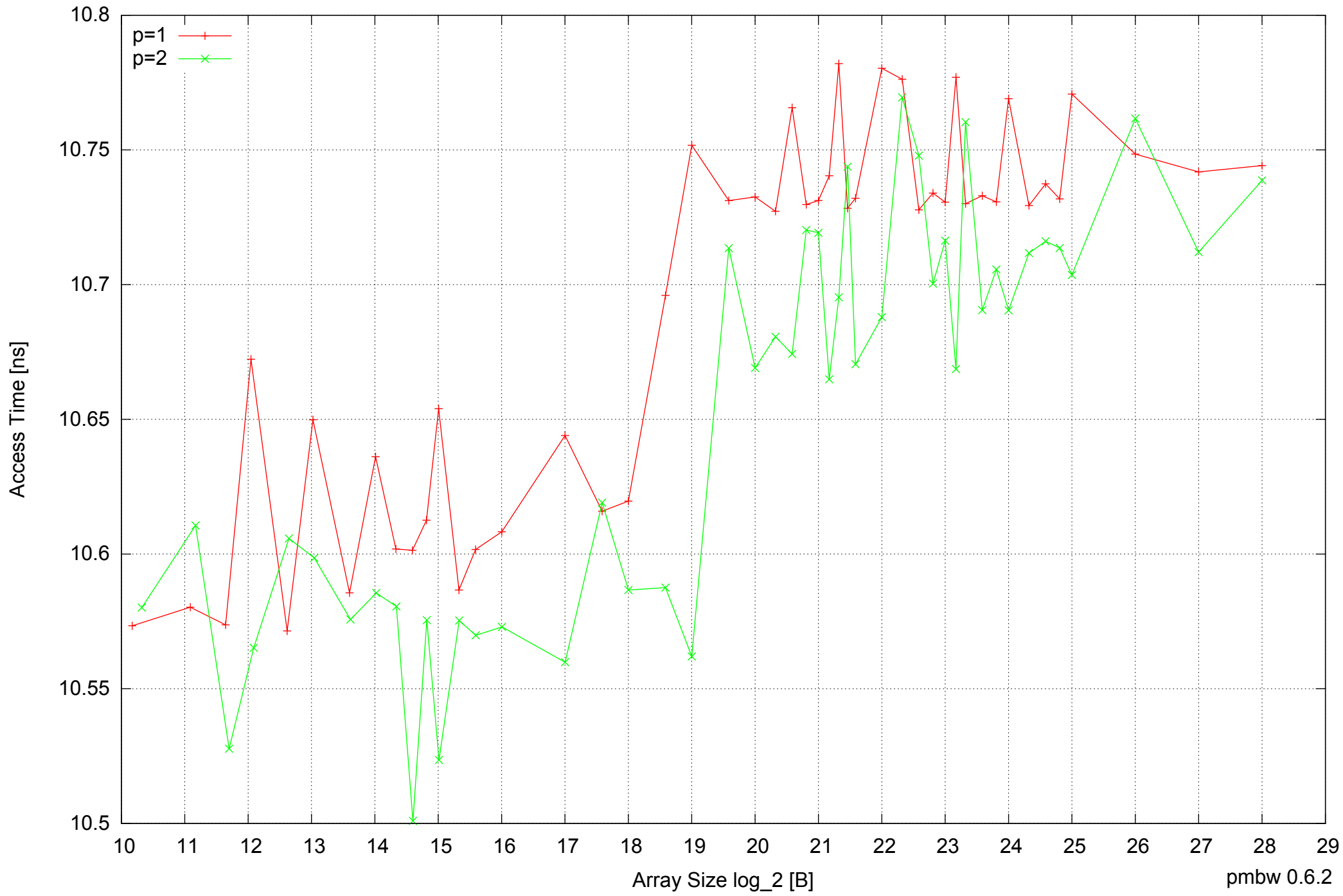
Raspberry Pi Model B: ARM1176JZF-S 512MB - Speedup of Parallel Memory Bandwidth (enlarged) - ScanWrite64PtrSimpleLoop



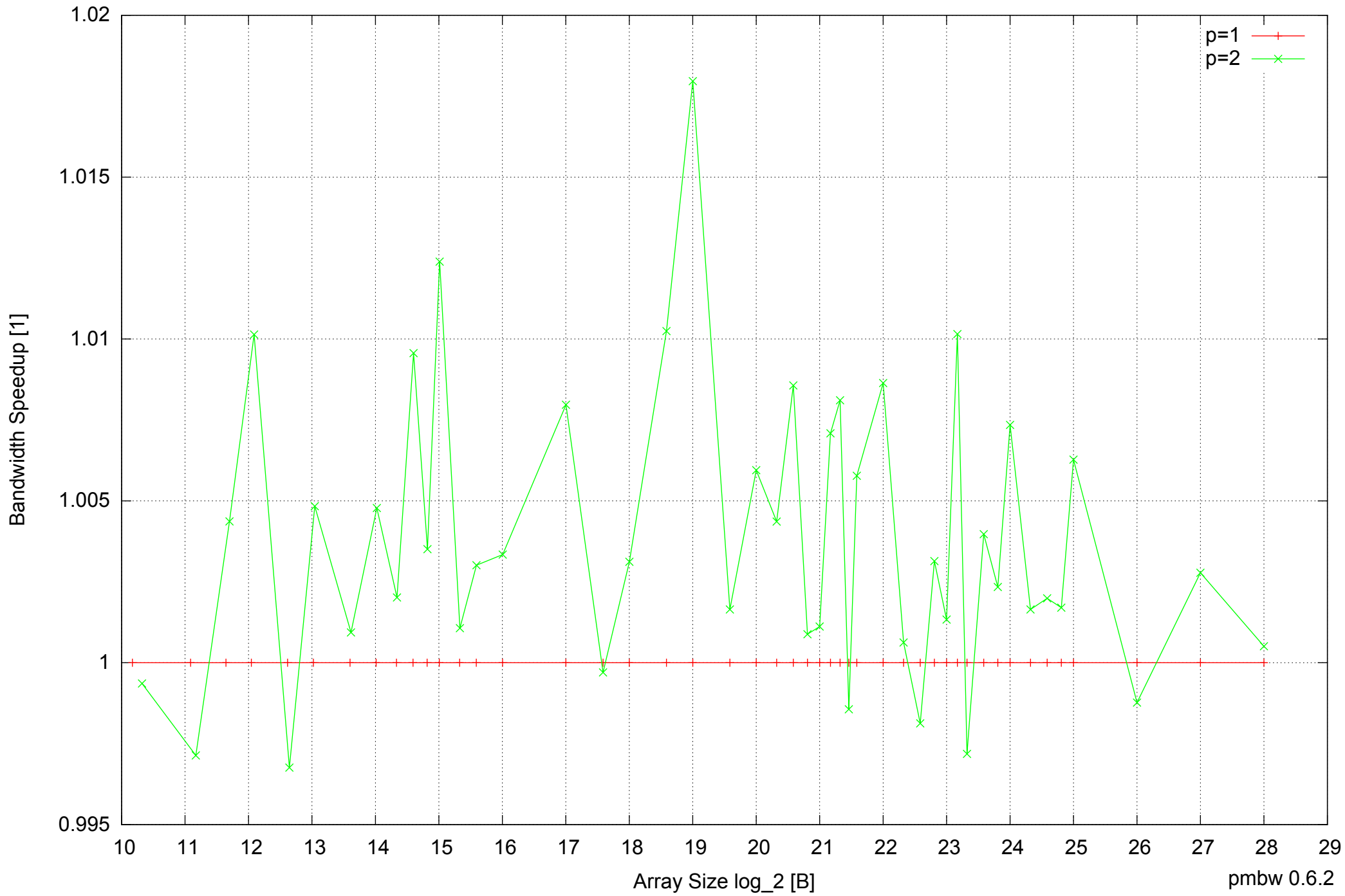
Raspberry Pi Model B: ARM1176JZF-S 512MB - Parallel Memory Bandwidth - ScanWrite64PtrUnrollLoop



Raspberry Pi Model B: ARM1176JZF-S 512MB - Parallel Memory Access Time - ScanWrite64PtrUnrollLoop



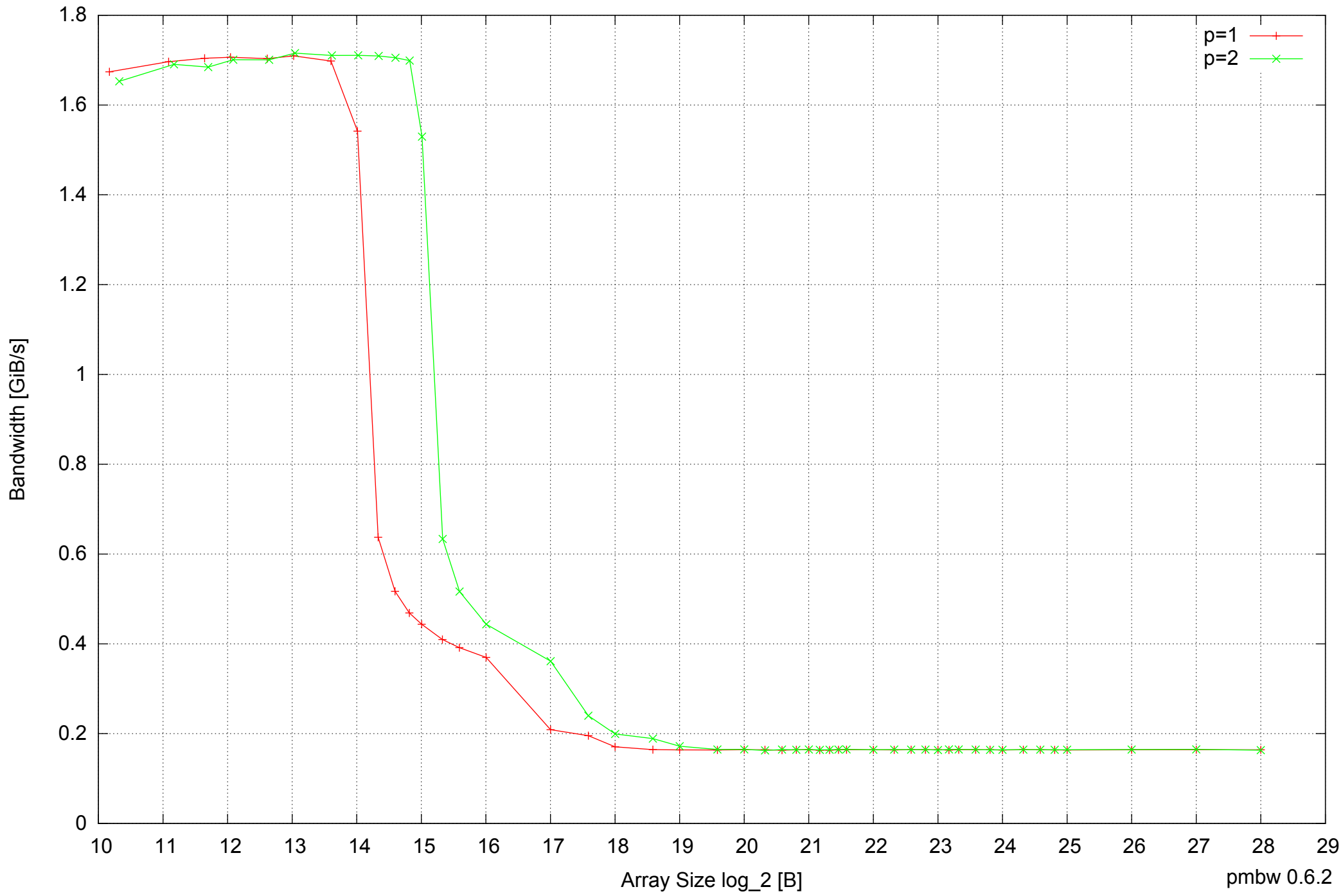
Raspberry Pi Model B: ARM1176JZF-S 512MB - Speedup of Parallel Memory Bandwidth - ScanWrite64PtrUnrollLoop



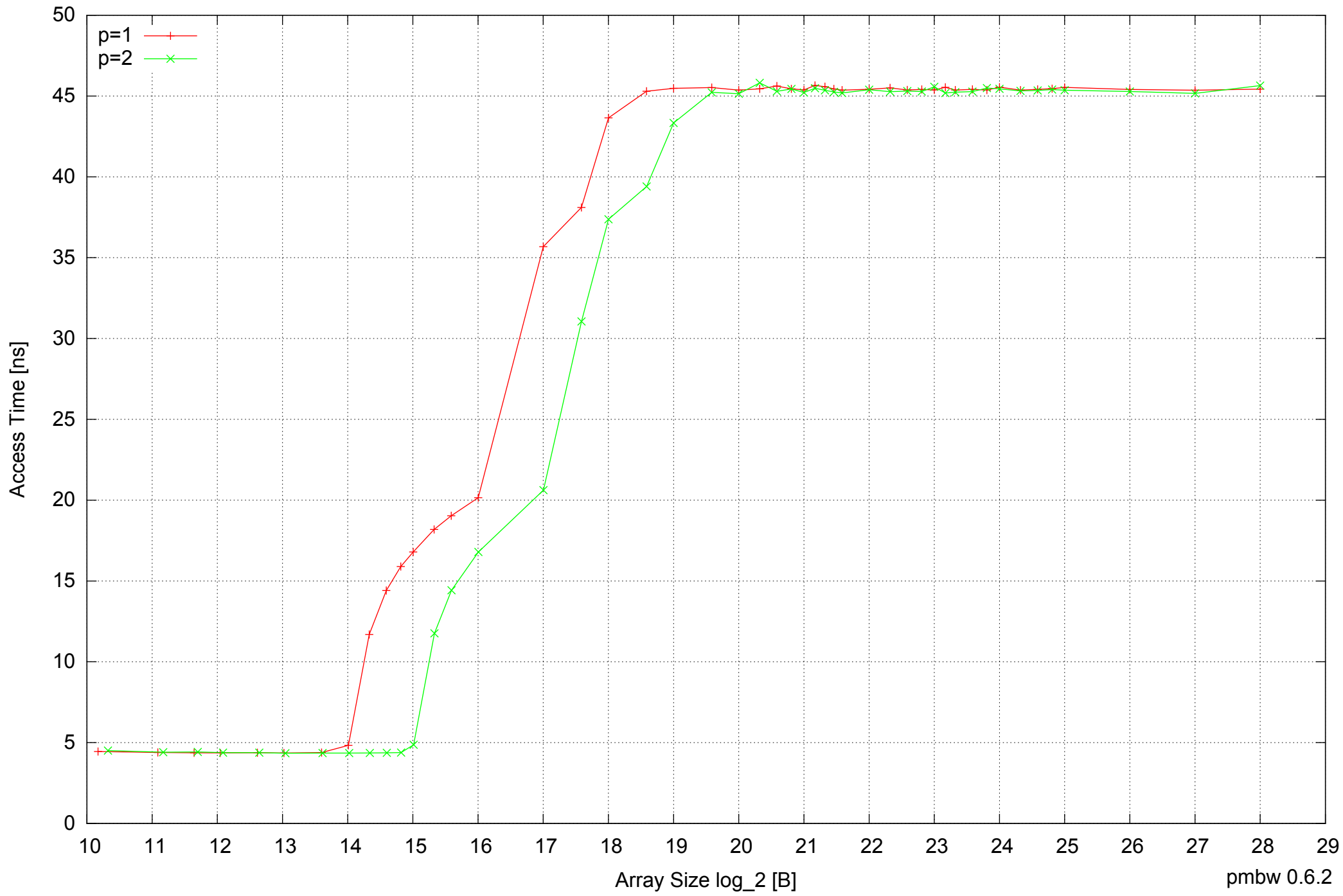
Raspberry Pi Model B: ARM1176JZF-S 512MB - Speedup of Parallel Memory Bandwidth (enlarged) - ScanWrite64PtrUnrollLoop



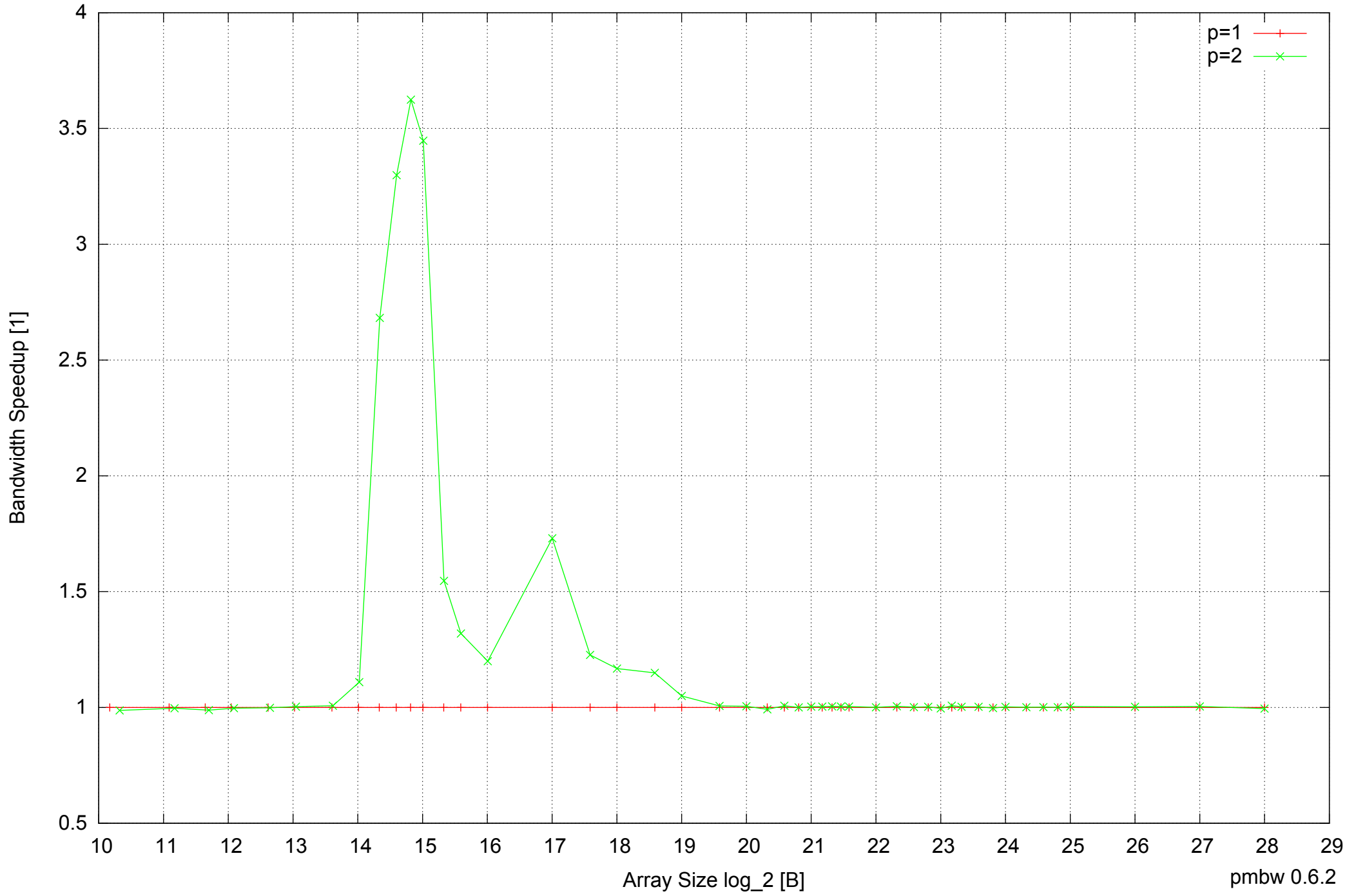
Raspberry Pi Model B: ARM1176JZF-S 512MB - Parallel Memory Bandwidth - ScanRead64PtrSimpleLoop



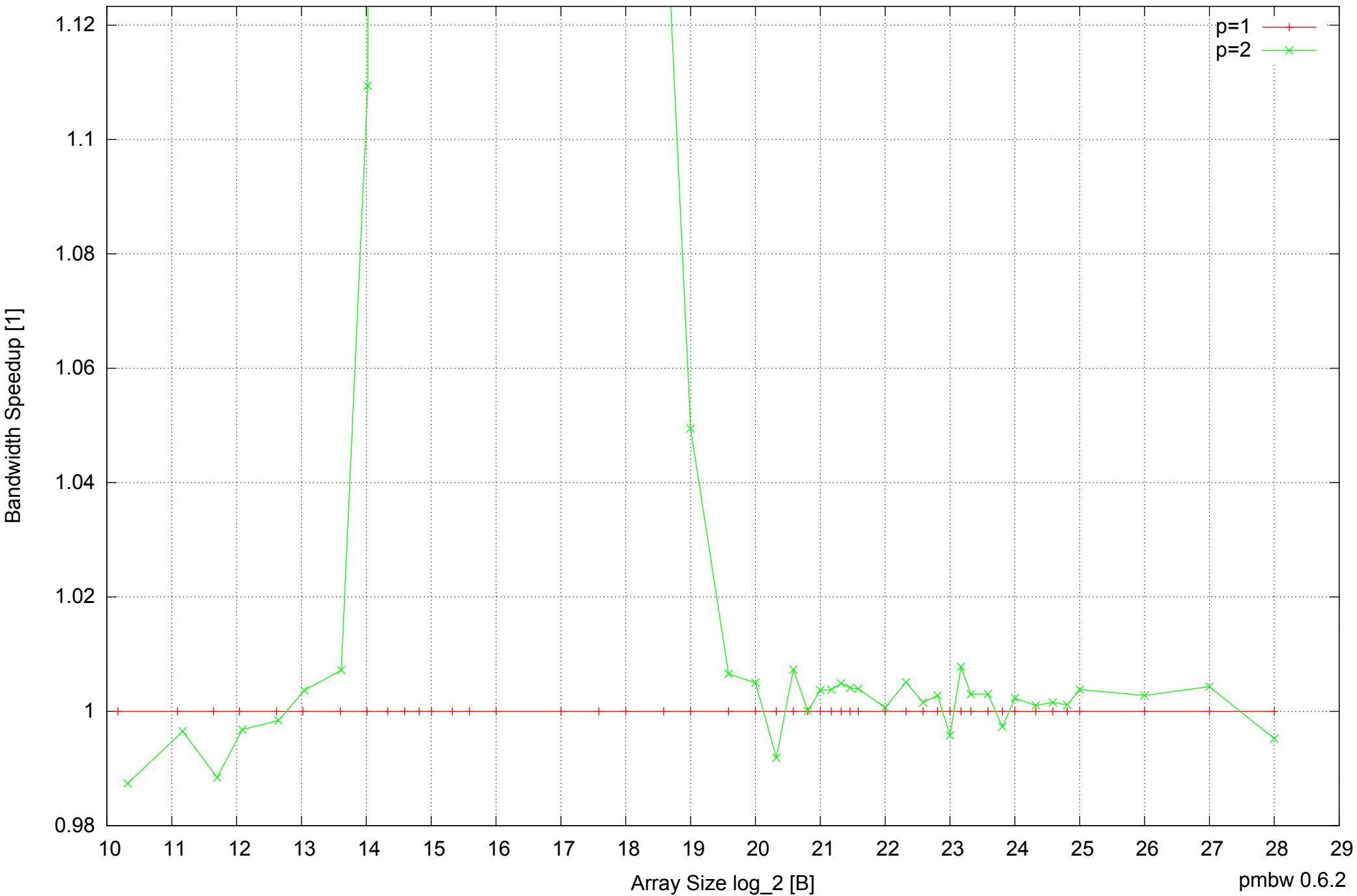
Raspberry Pi Model B: ARM1176JZF-S 512MB - Parallel Memory Access Time - ScanRead64PtrSimpleLoop



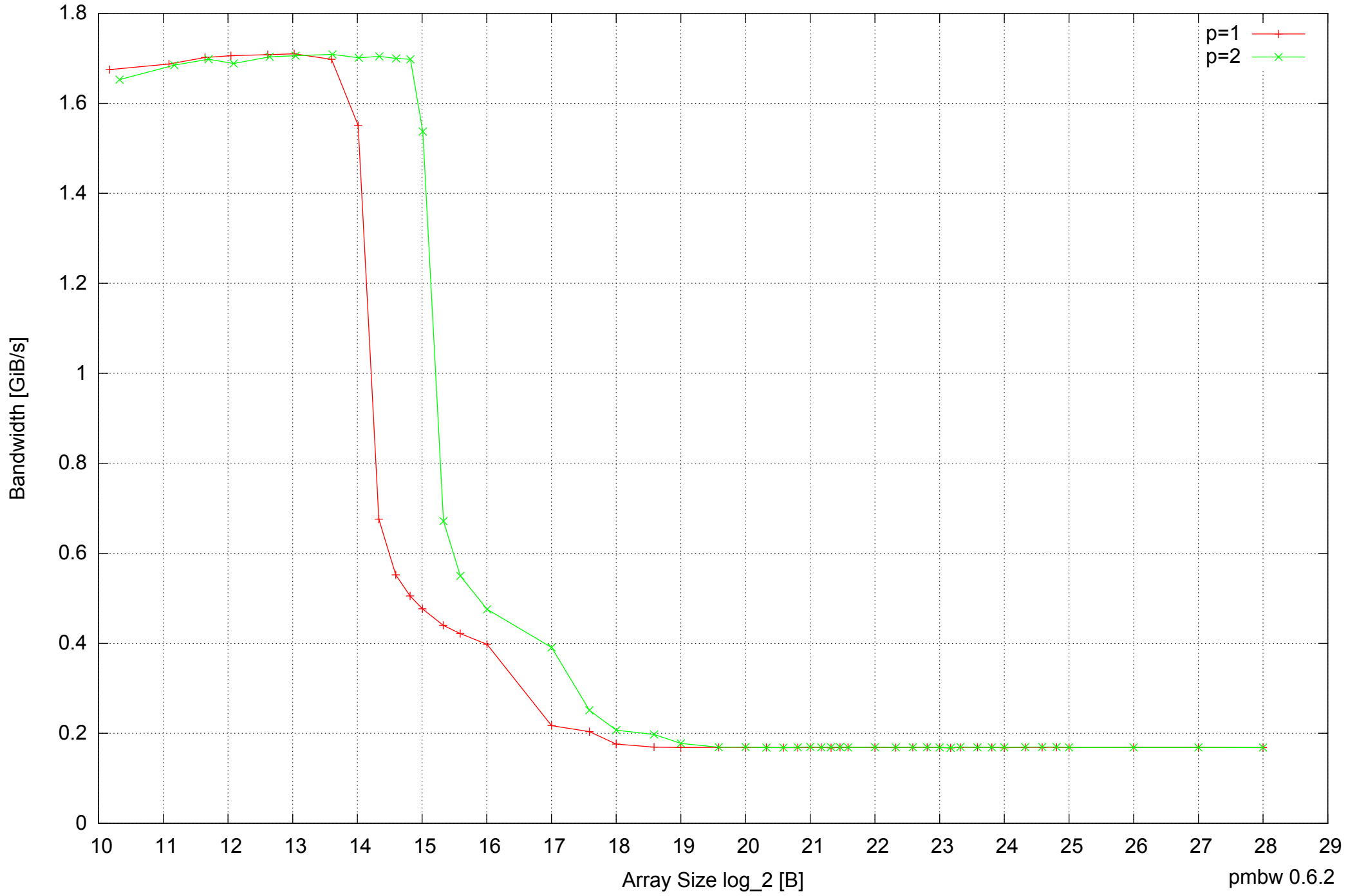
Raspberry Pi Model B: ARM1176JZF-S 512MB - Speedup of Parallel Memory Bandwidth - ScanRead64PtrSimpleLoop



Raspberry Pi Model B: ARM1176JZF-S 512MB - Speedup of Parallel Memory Bandwidth (enlarged) - ScanRead64PtrSimpleLoop



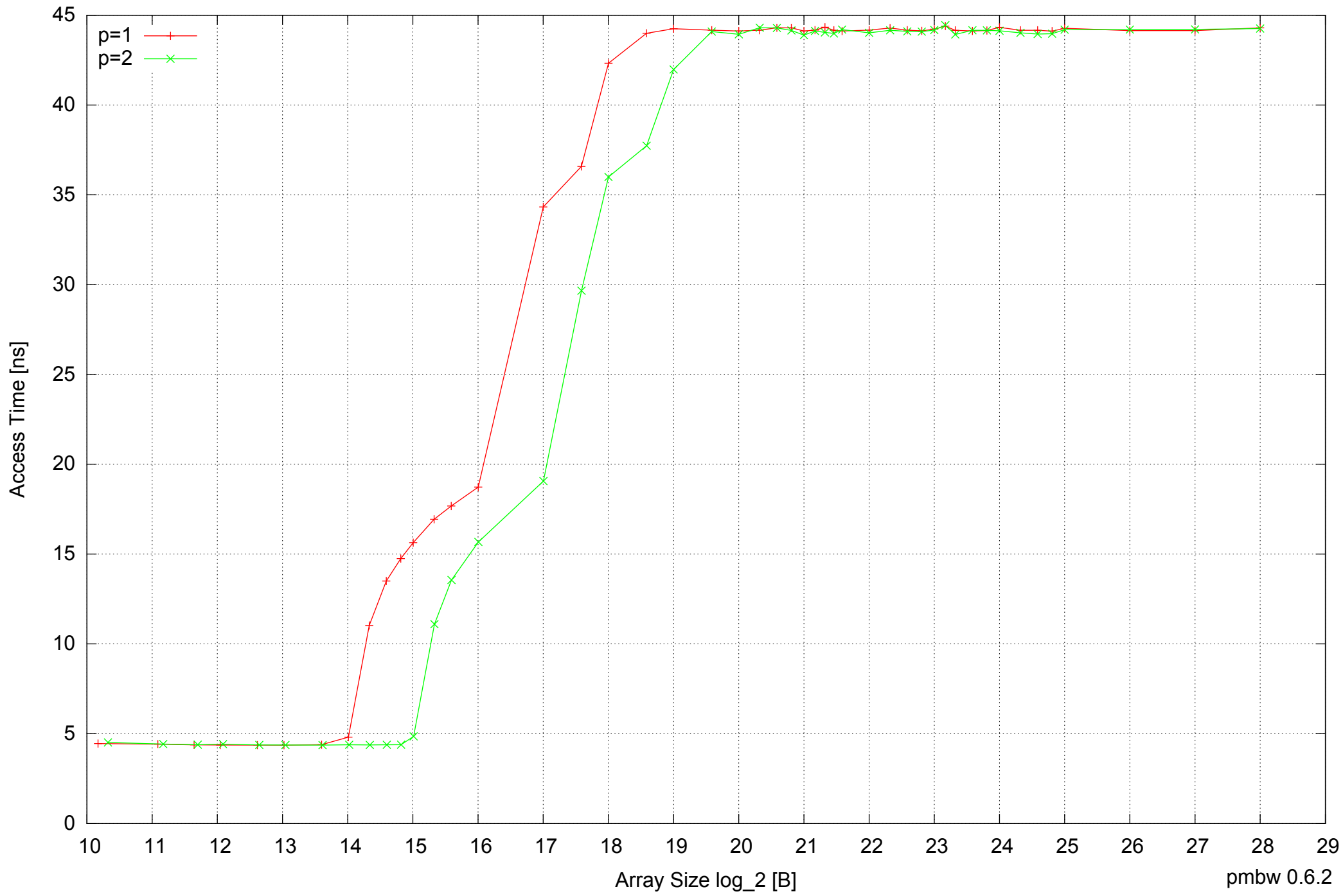
Raspberry Pi Model B: ARM1176JZF-S 512MB - Parallel Memory Bandwidth - ScanRead64PtrUnrollLoop



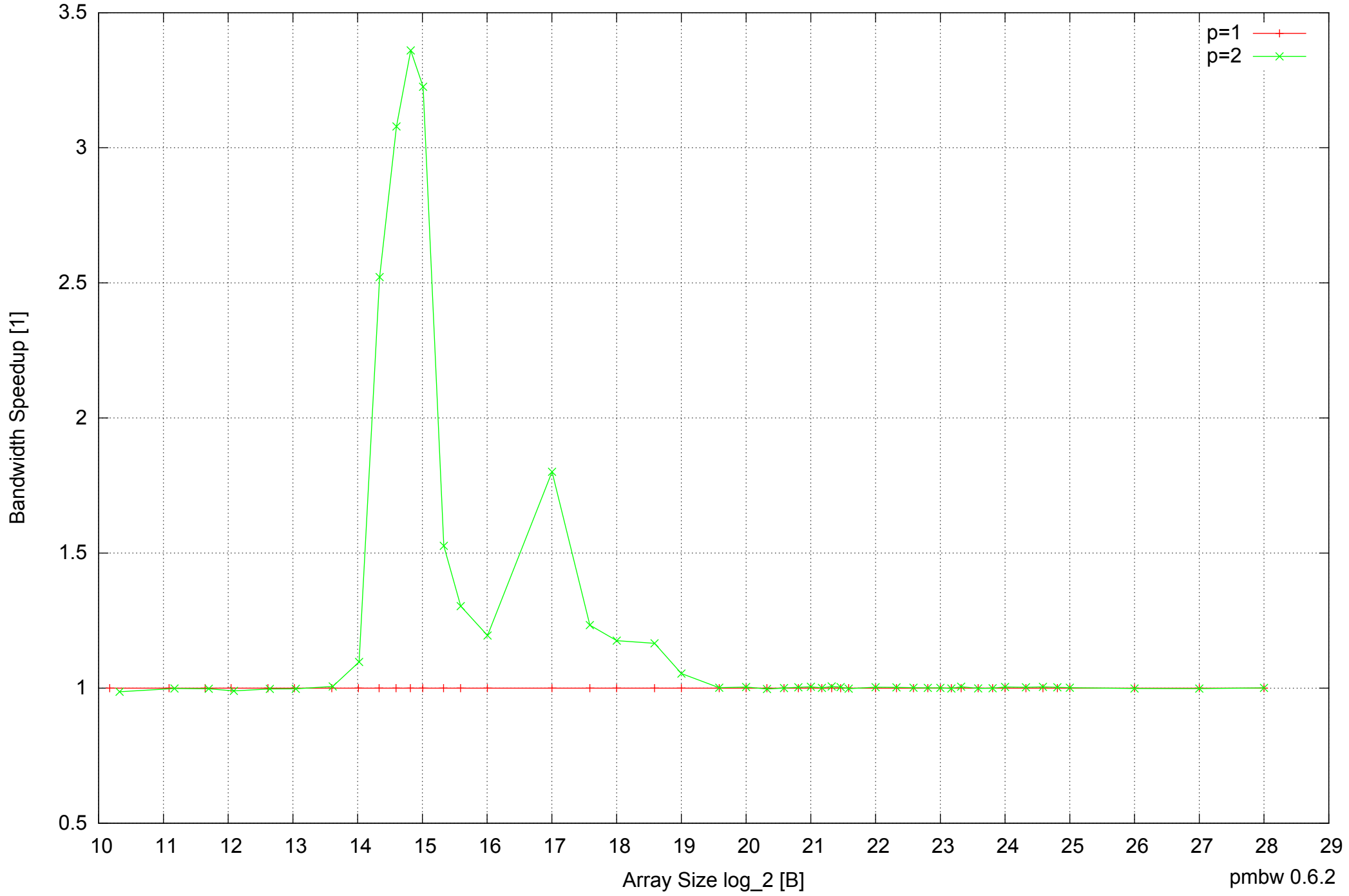
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p=2

Array Size log₂ [B] pmbw 0.6.2

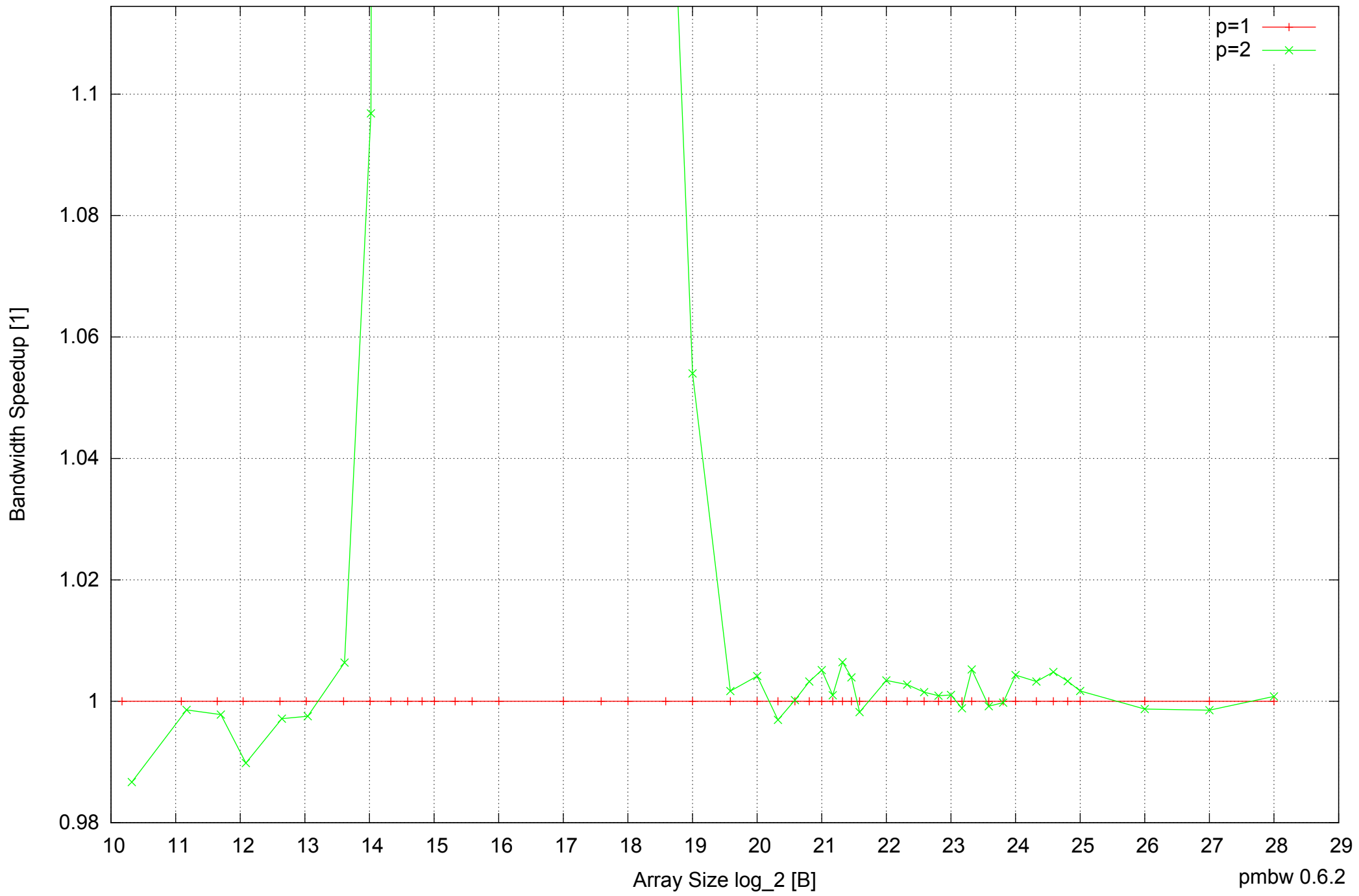
Raspberry Pi Model B: ARM1176JZF-S 512MB - Parallel Memory Access Time - ScanRead64PtrUnrollLoop



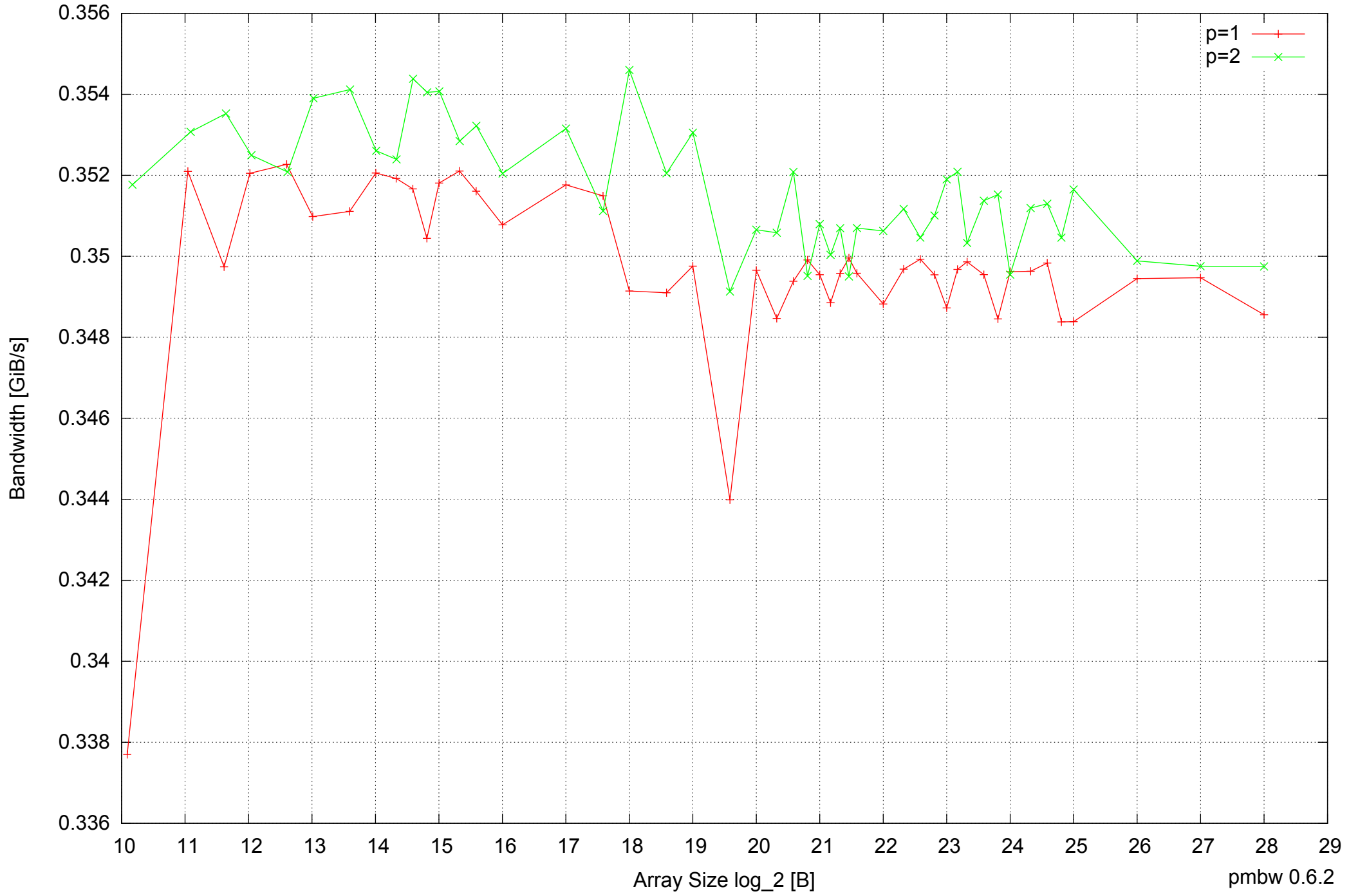
Raspberry Pi Model B: ARM1176JZF-S 512MB - Speedup of Parallel Memory Bandwidth - ScanRead64PtrUnrollLoop



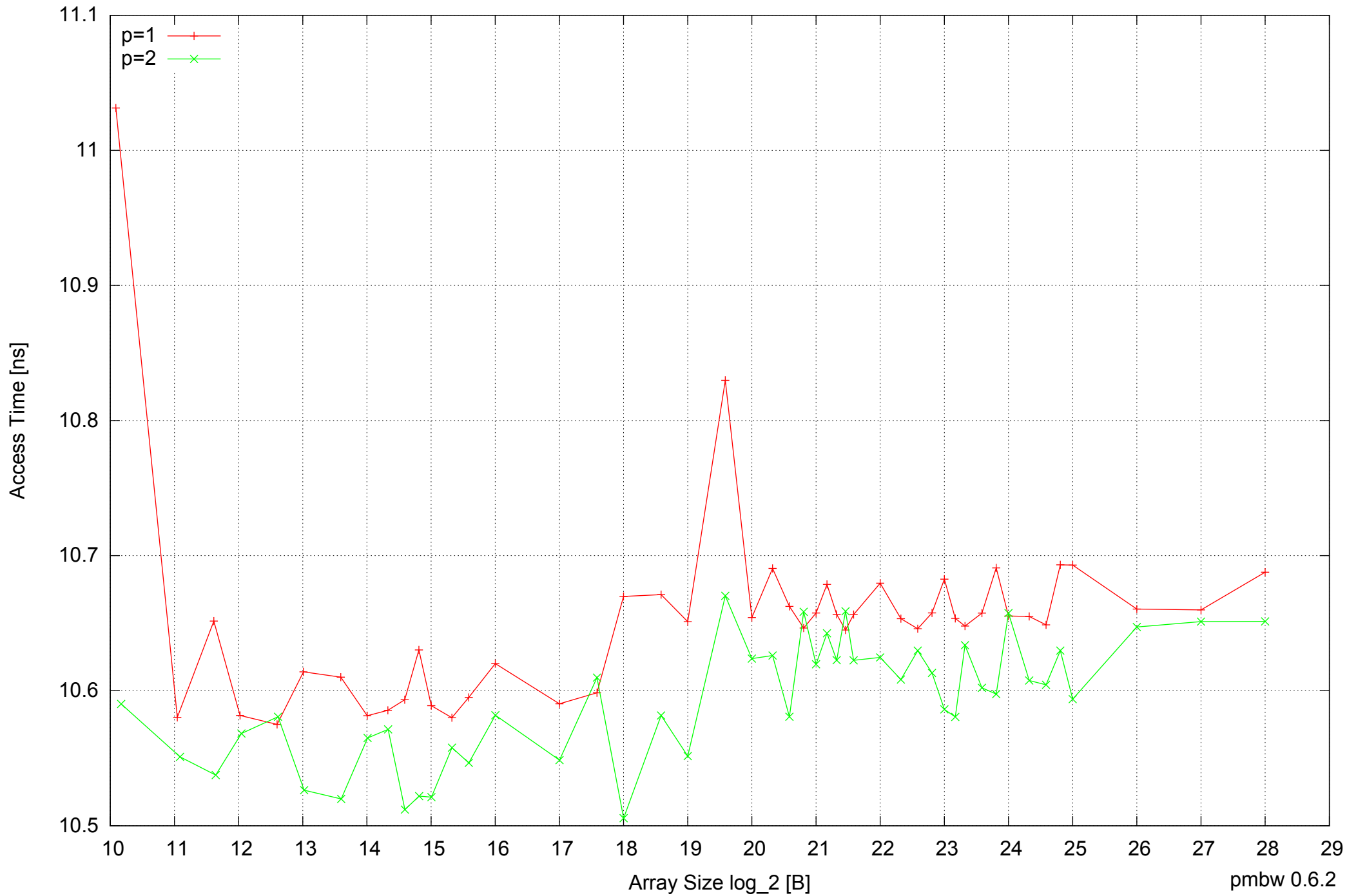
Raspberry Pi Model B: ARM1176JZF-S 512MB - Speedup of Parallel Memory Bandwidth (enlarged) - ScanRead64PtrUnrollLoop



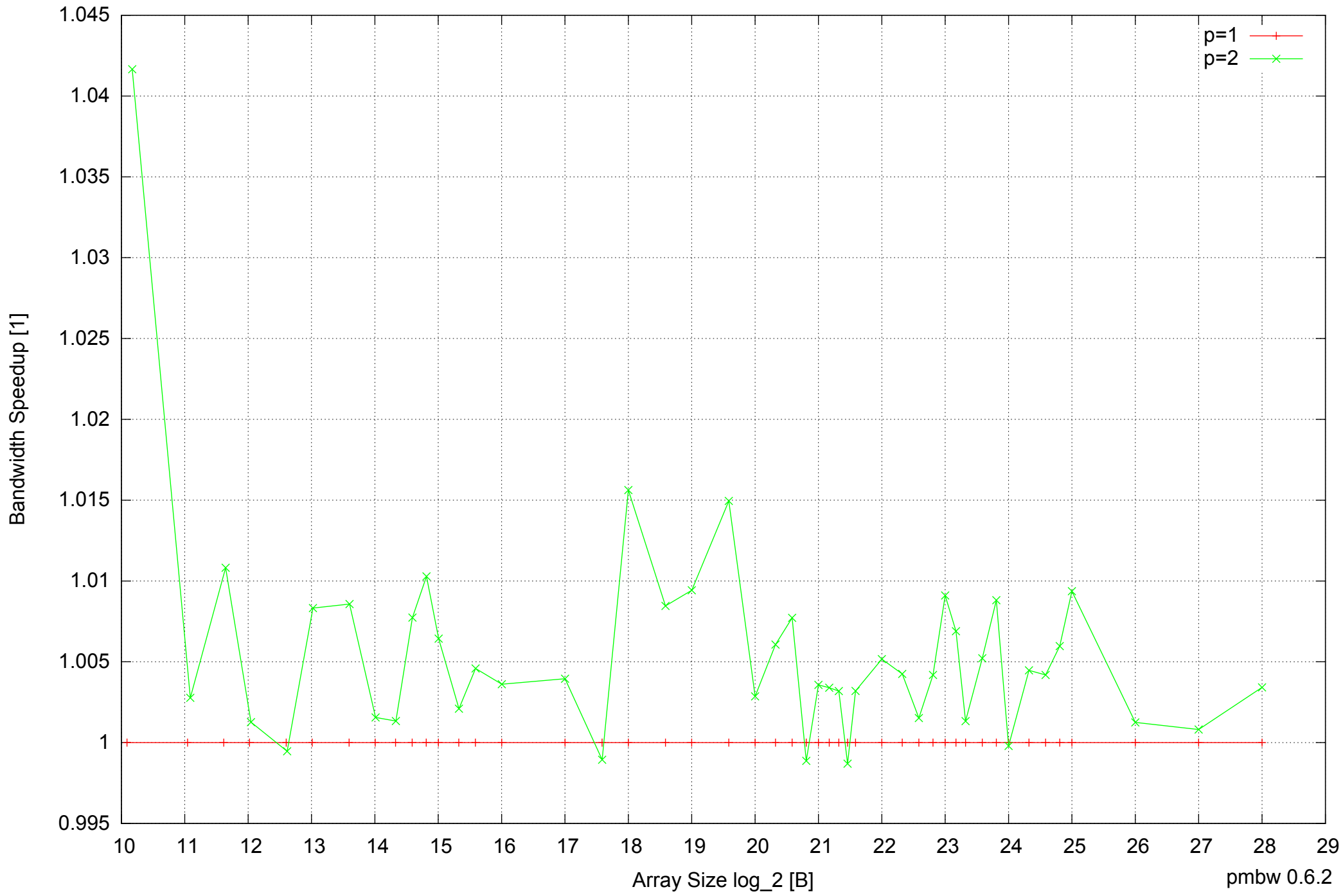
Raspberry Pi Model B: ARM1176JZF-S 512MB - Parallel Memory Bandwidth - ScanWrite32PtrSimpleLoop



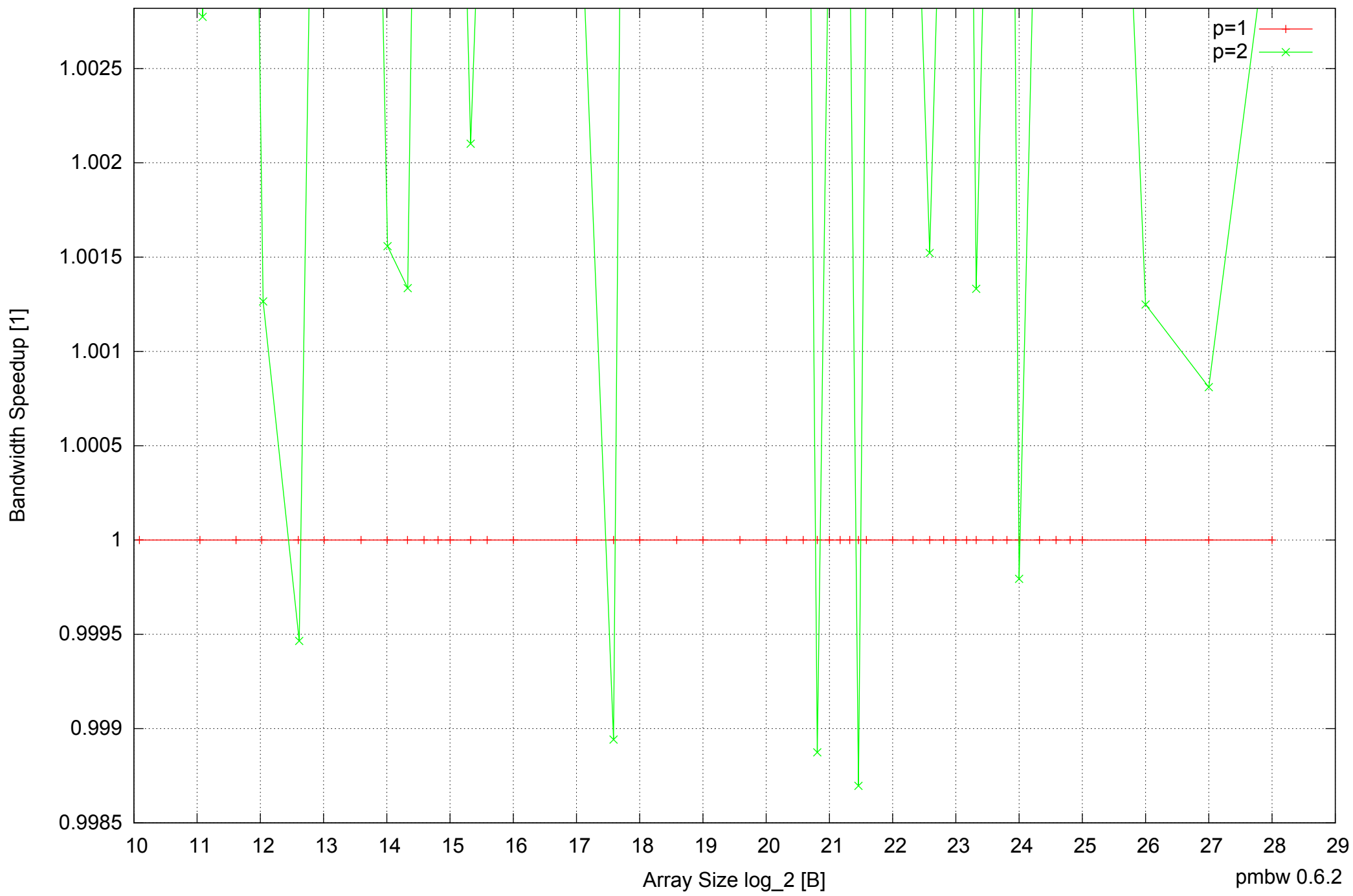
Raspberry Pi Model B: ARM1176JZF-S 512MB - Parallel Memory Access Time - ScanWrite32PtrSimpleLoop



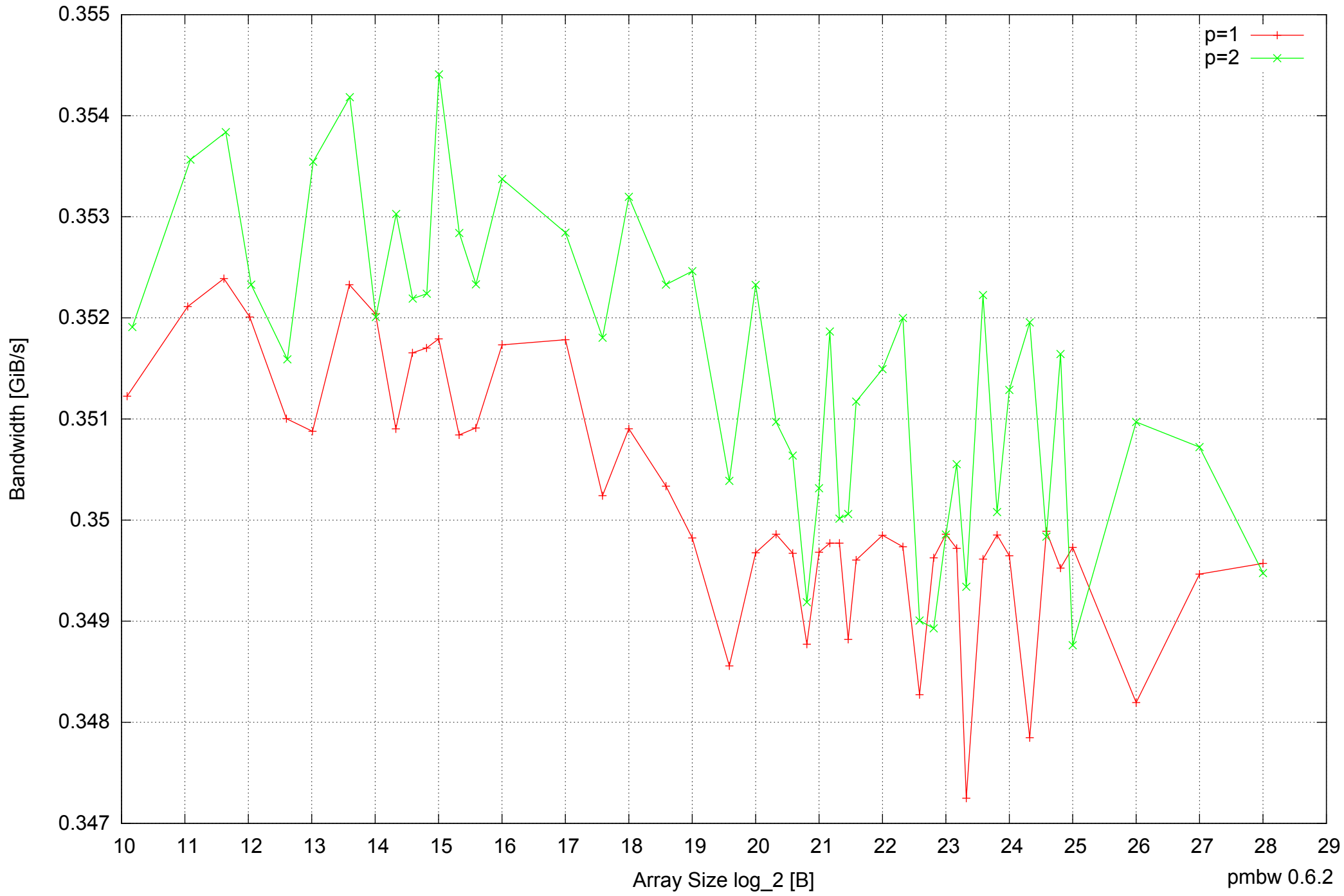
Raspberry Pi Model B: ARM1176JZF-S 512MB - Speedup of Parallel Memory Bandwidth - ScanWrite32PtrSimpleLoop



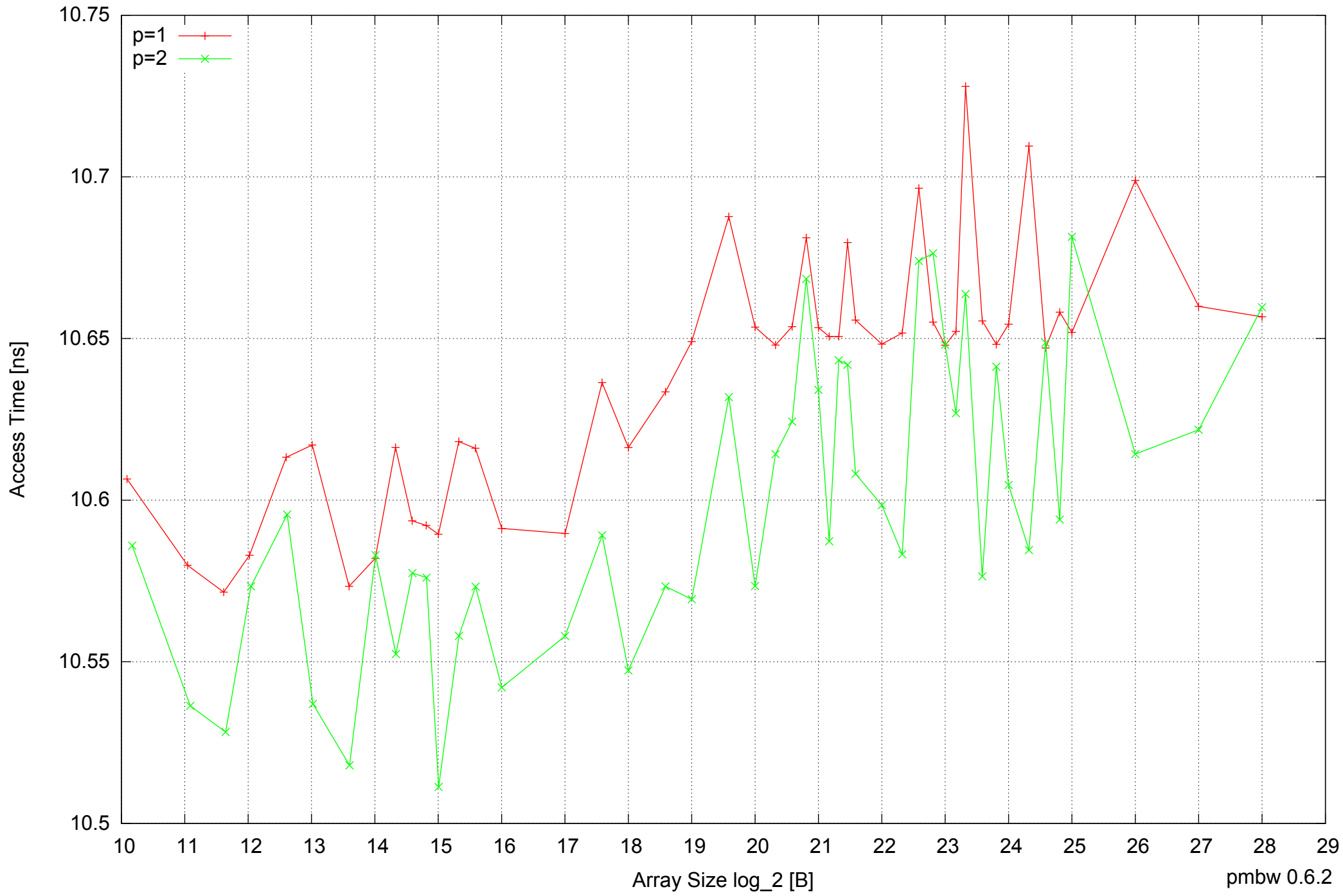
Raspberry Pi Model B: ARM1176JZF-S 512MB - Speedup of Parallel Memory Bandwidth (enlarged) - ScanWrite32PtrSimpleLoop



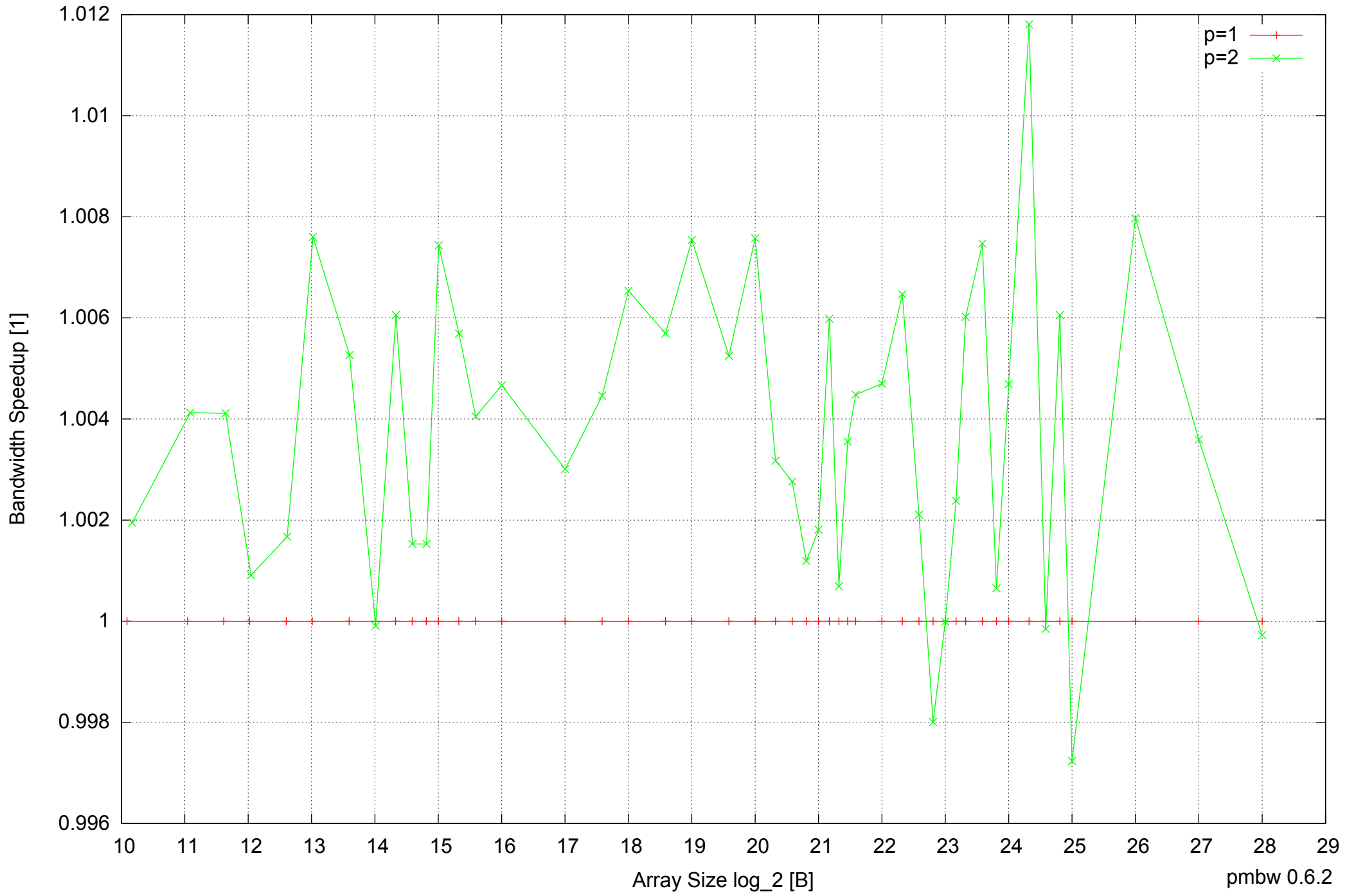
Raspberry Pi Model B: ARM1176JZF-S 512MB - Parallel Memory Bandwidth - ScanWrite32PtrUnrollLoop



Raspberry Pi Model B: ARM1176JZF-S 512MB - Parallel Memory Access Time - ScanWrite32PtrUnrollLoop



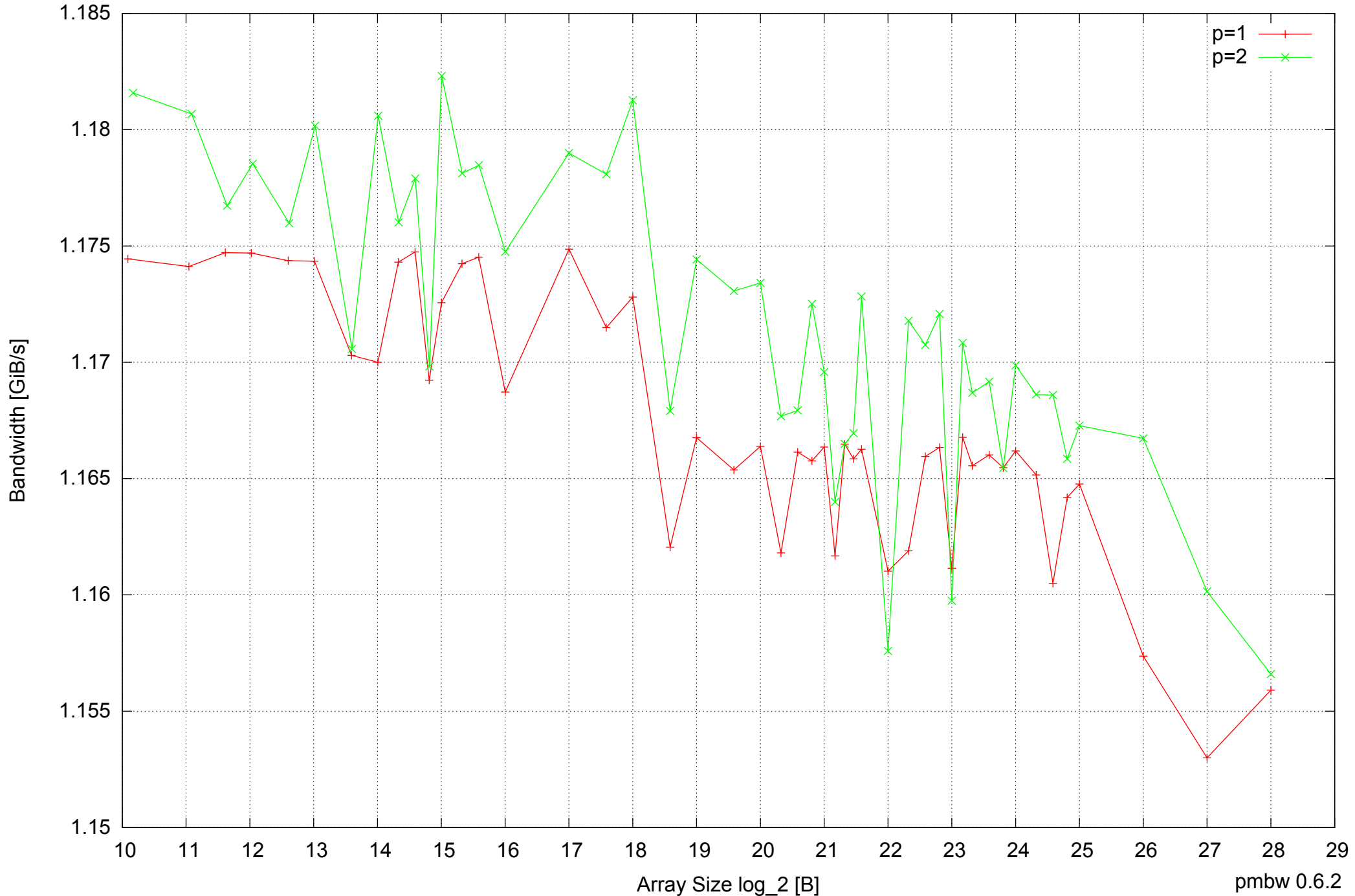
Raspberry Pi Model B: ARM1176JZF-S 512MB - Speedup of Parallel Memory Bandwidth - ScanWrite32PtrUnrollLoop



Raspberry Pi Model B: ARM1176JZF-S 512MB - Speedup of Parallel Memory Bandwidth (enlarged) - ScanWrite32PtrUnrollLoop



Raspberry Pi Model B: ARM1176JZF-S 512MB - Parallel Memory Bandwidth - ScanWrite32PtrMultiLoop



Raspberry Pi Model B: ARM1176JZF-S 512MB - Parallel Memory Access Time - ScanWrite32PtrMultiLoop



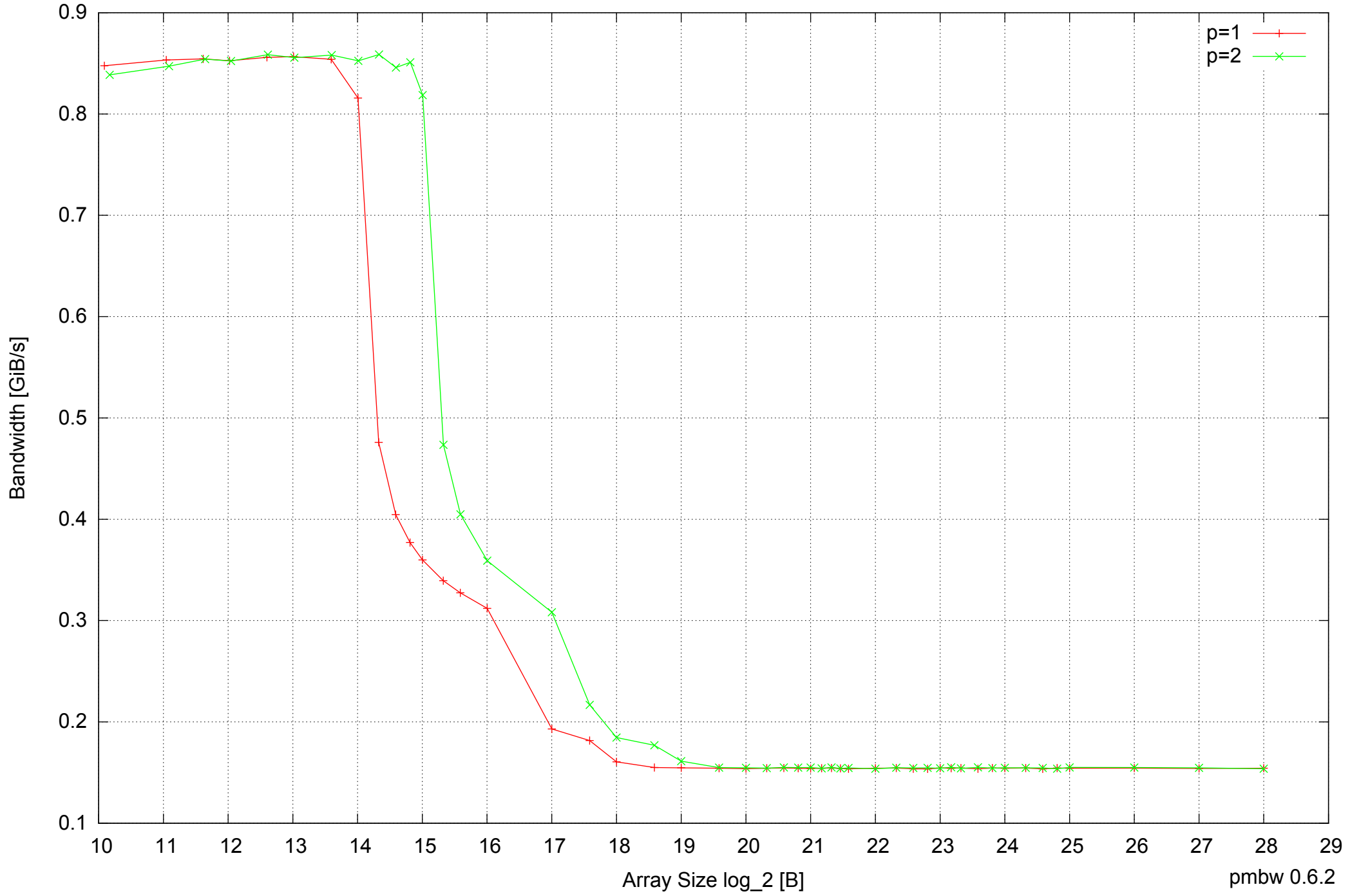
Raspberry Pi Model B: ARM1176JZF-S 512MB - Speedup of Parallel Memory Bandwidth - ScanWrite32PtrMultiLoop



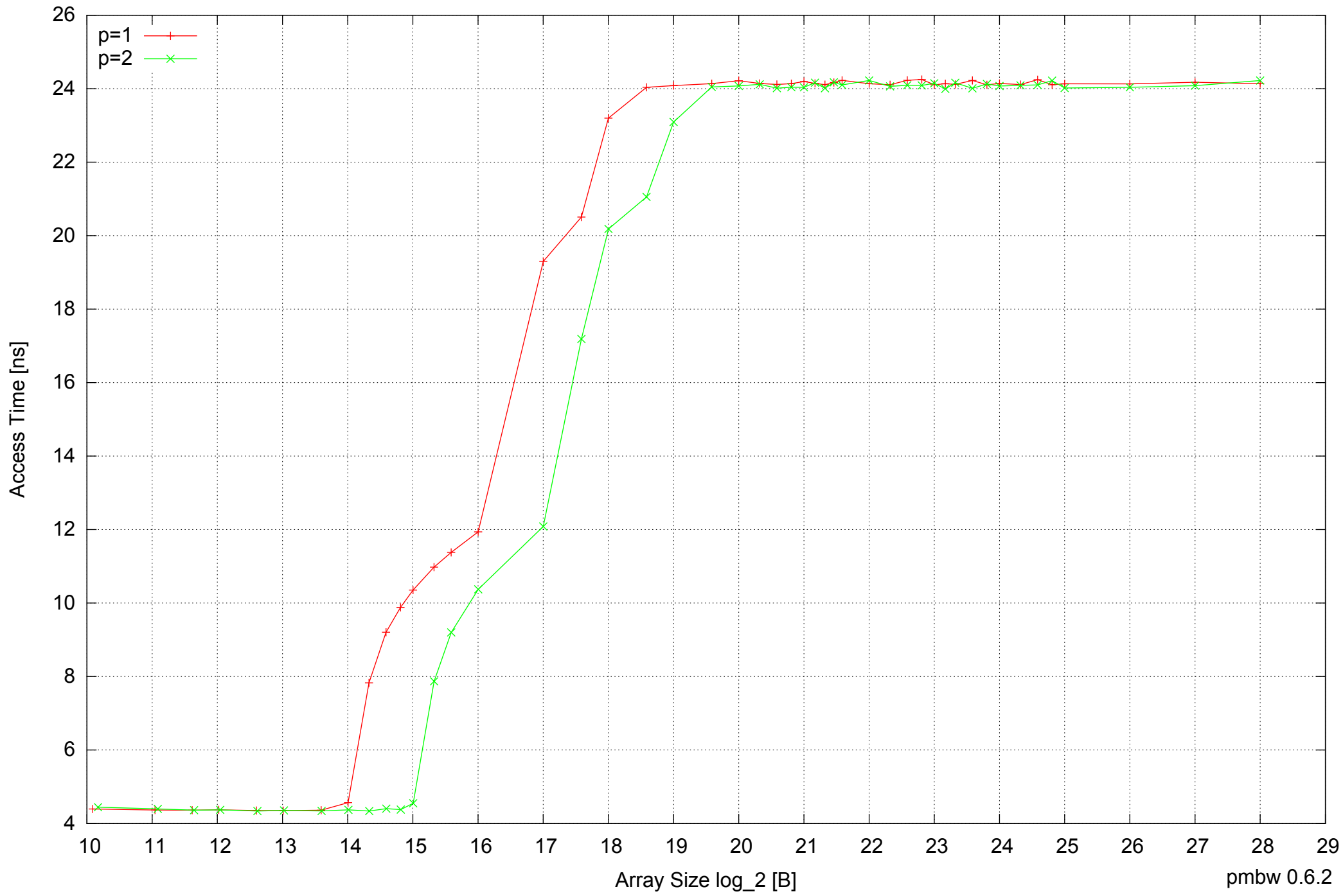
Raspberry Pi Model B: ARM1176JZF-S 512MB - Speedup of Parallel Memory Bandwidth (enlarged) - ScanWrite32PtrMultiLoop



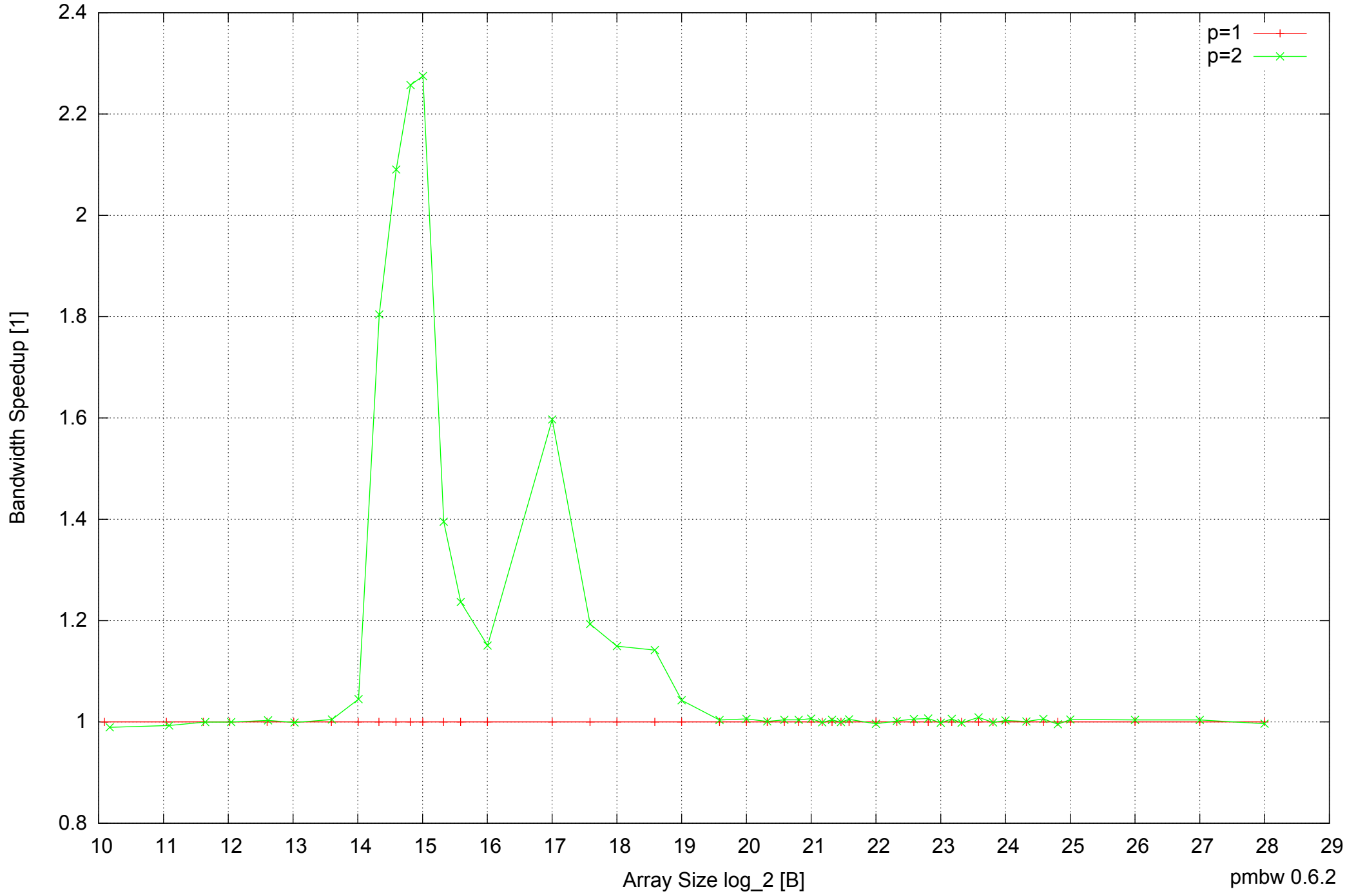
Raspberry Pi Model B: ARM1176JZF-S 512MB - Parallel Memory Bandwidth - ScanRead32PtrSimpleLoop



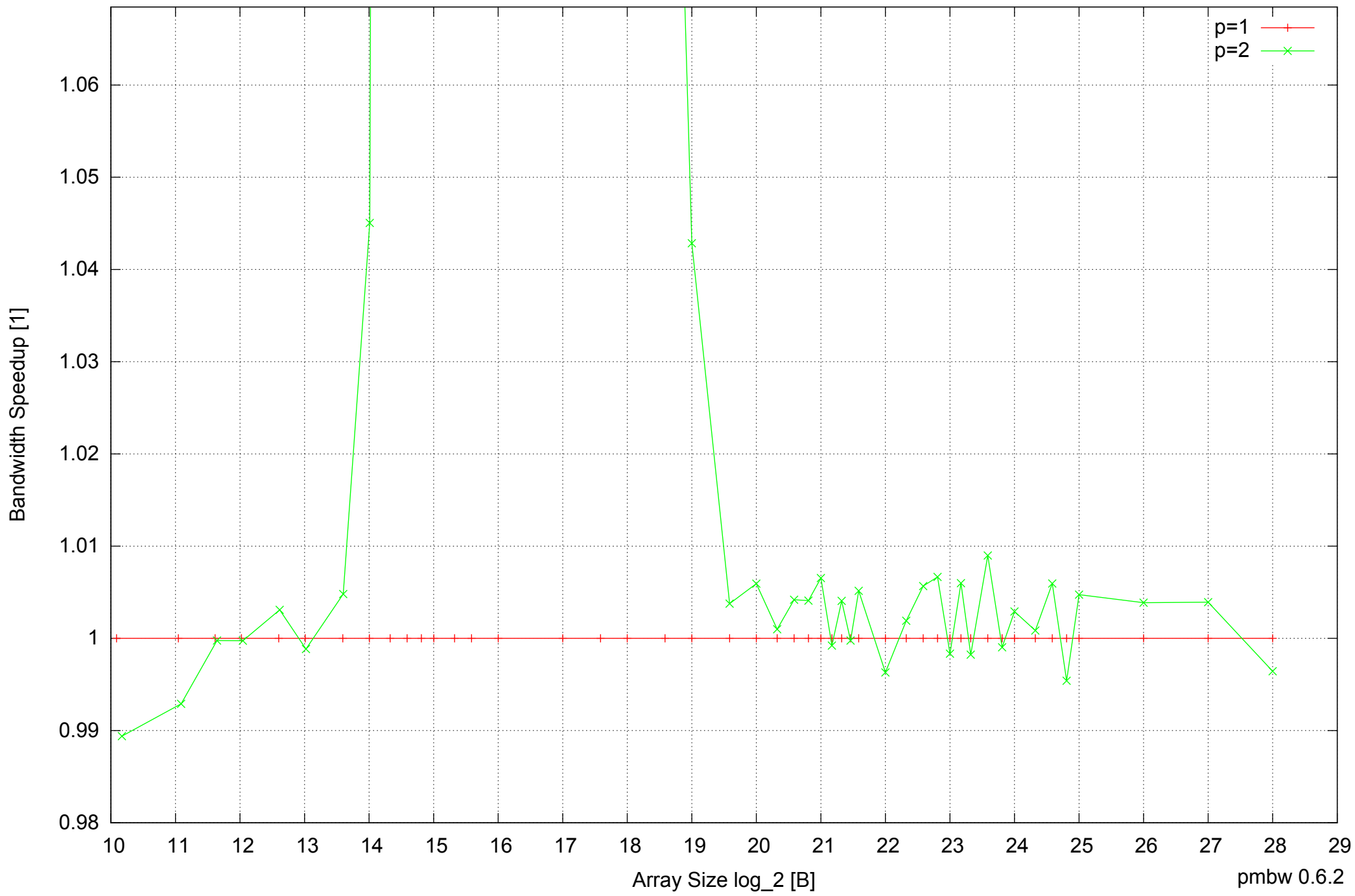
Raspberry Pi Model B: ARM1176JZF-S 512MB - Parallel Memory Access Time - ScanRead32PtrSimpleLoop



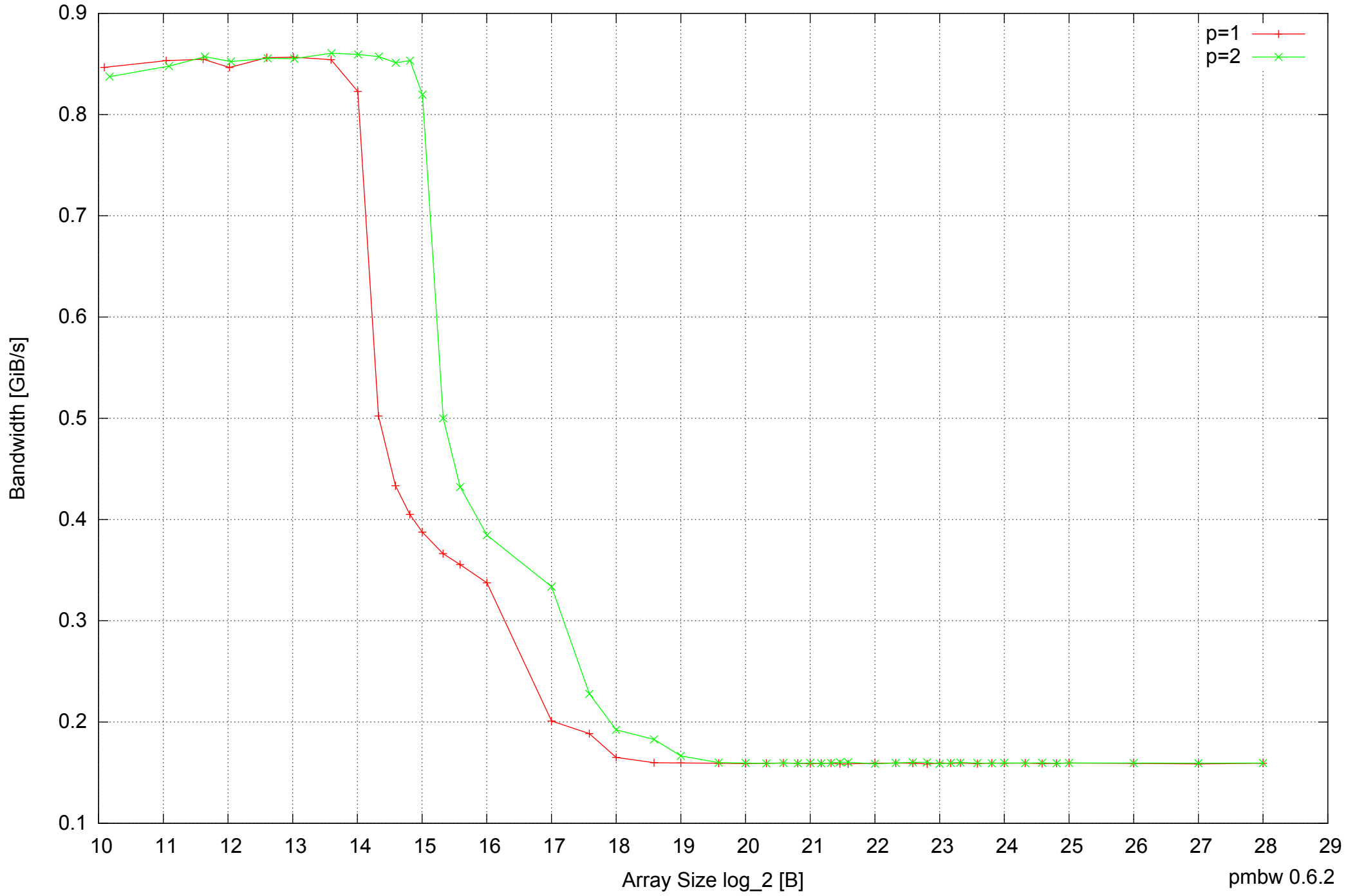
Raspberry Pi Model B: ARM1176JZF-S 512MB - Speedup of Parallel Memory Bandwidth - ScanRead32PtrSimpleLoop



Raspberry Pi Model B: ARM1176JZF-S 512MB - Speedup of Parallel Memory Bandwidth (enlarged) - ScanRead32PtrSimpleLoop



Raspberry Pi Model B: ARM1176JZF-S 512MB - Parallel Memory Bandwidth - ScanRead32PtrUnrollLoop



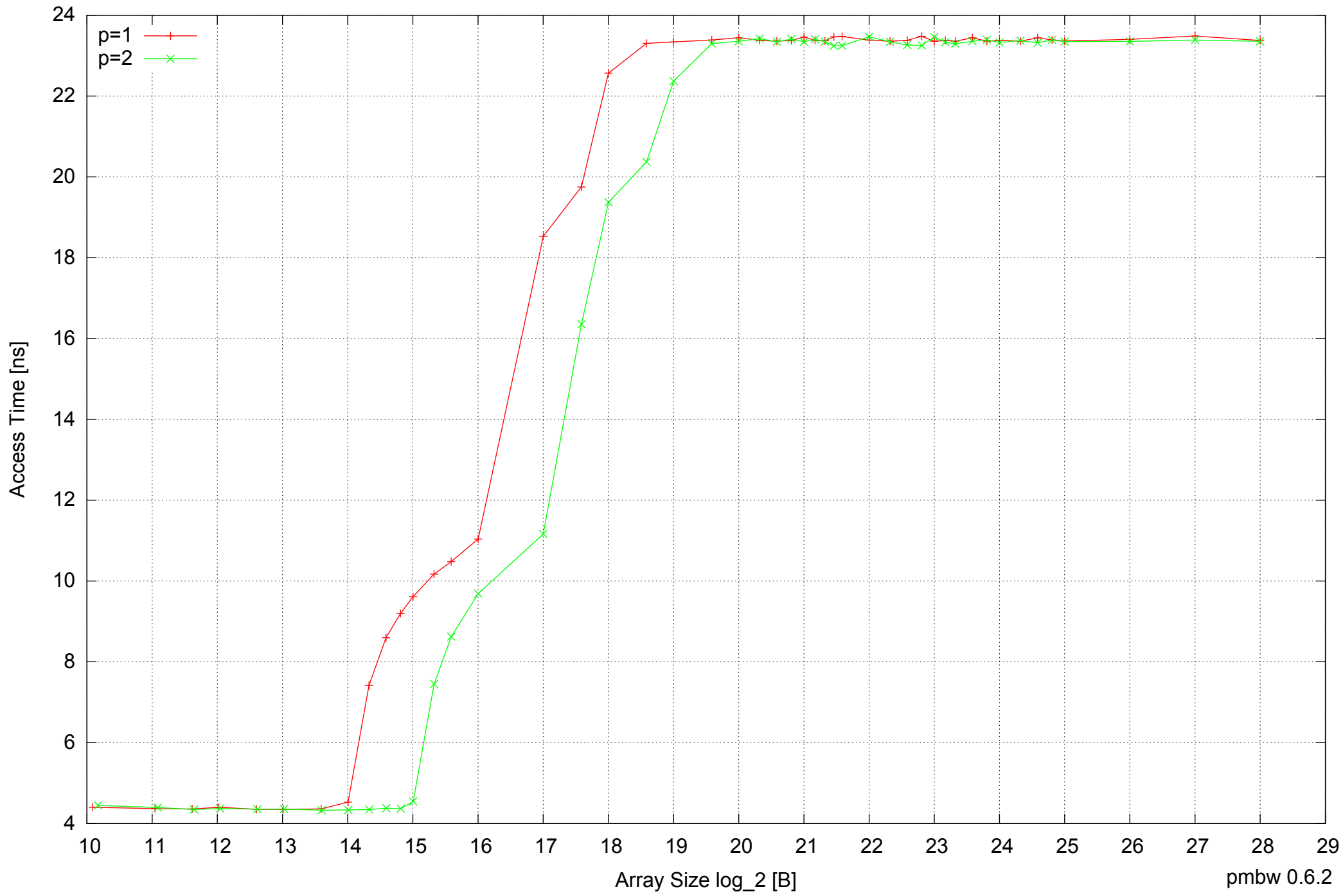
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Bandwidth [GiB/s]

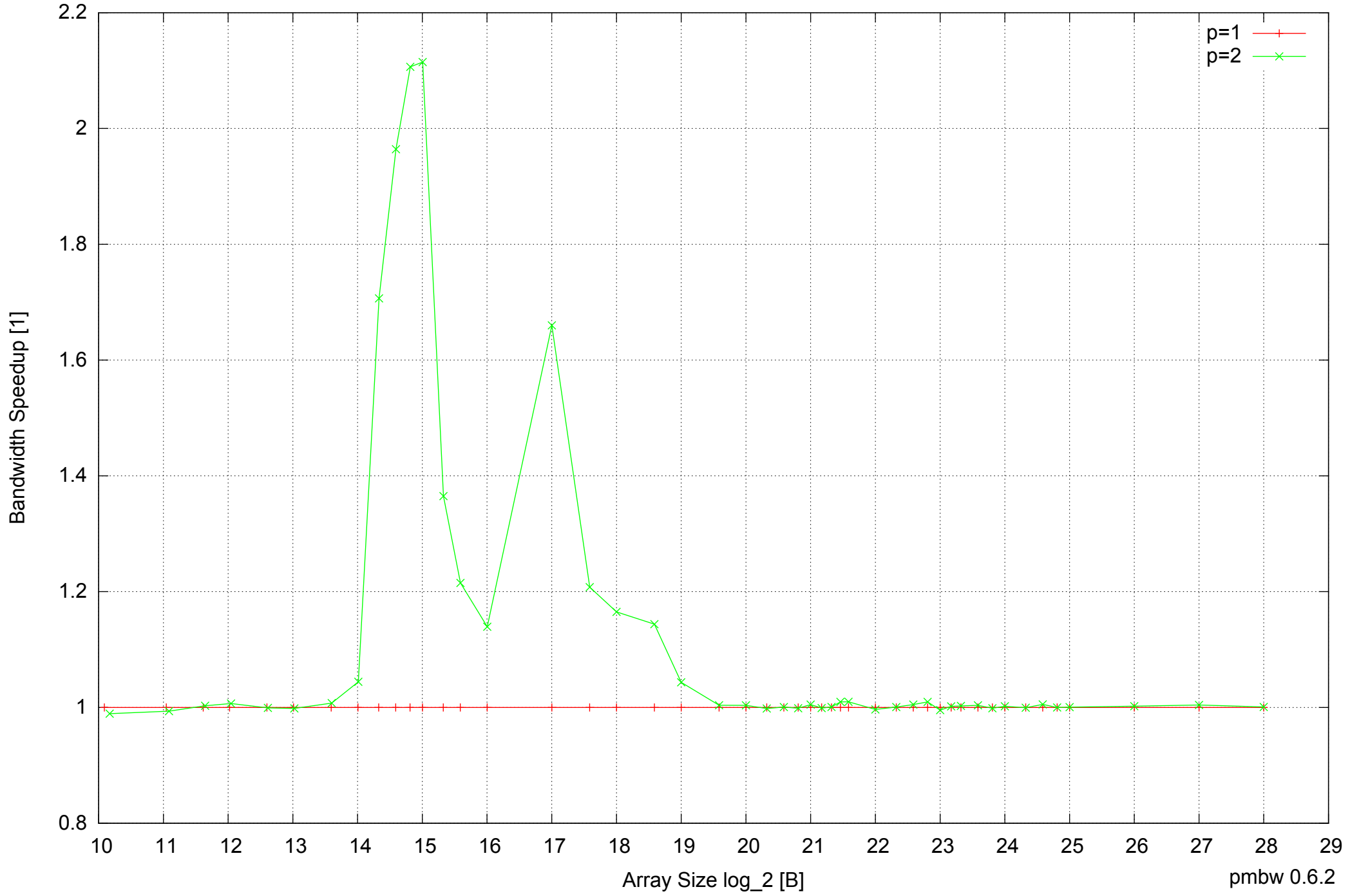
Array Size log₂ [B]

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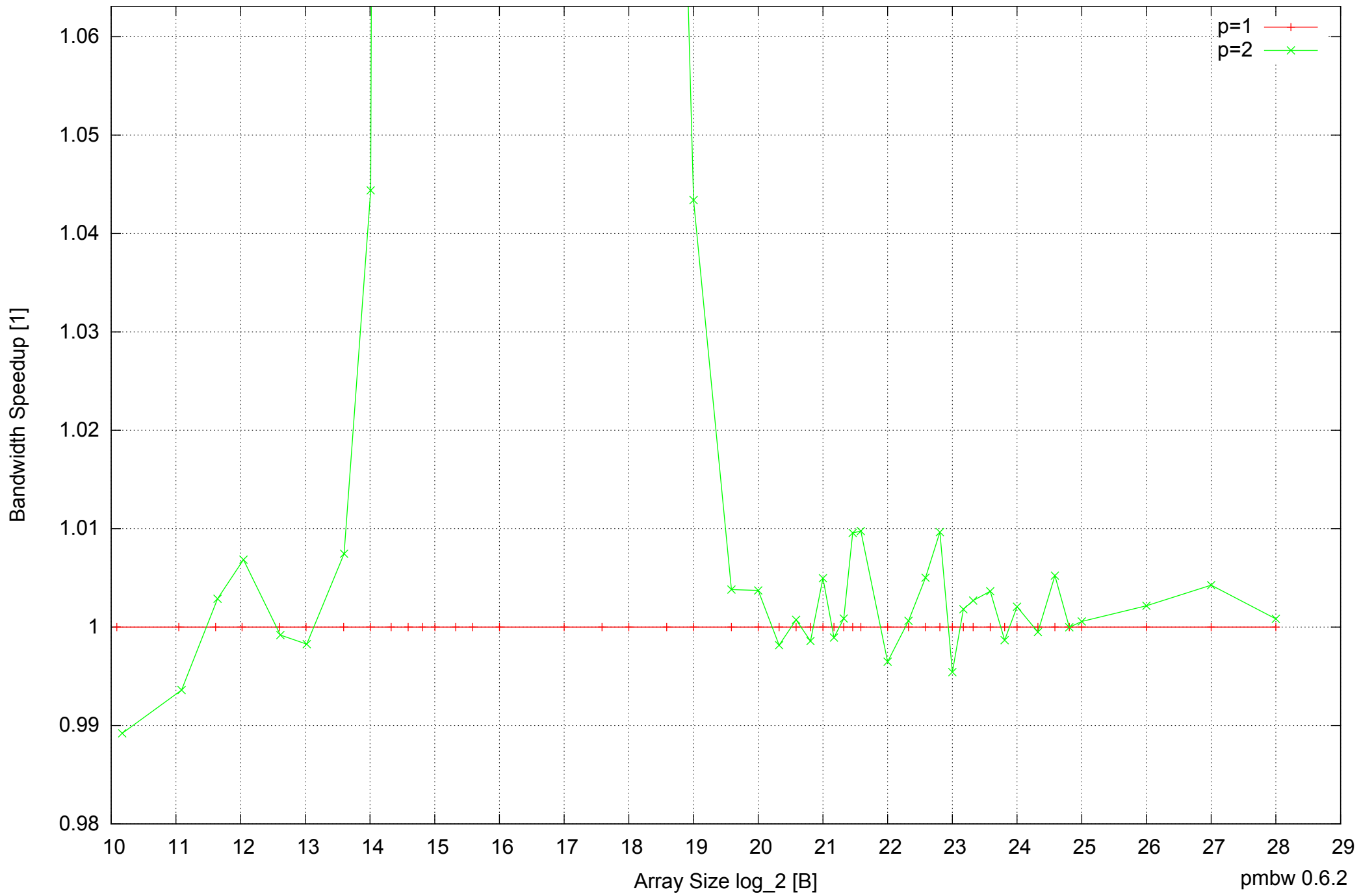
Raspberry Pi Model B: ARM1176JZF-S 512MB - Parallel Memory Access Time - ScanRead32PtrUnrollLoop



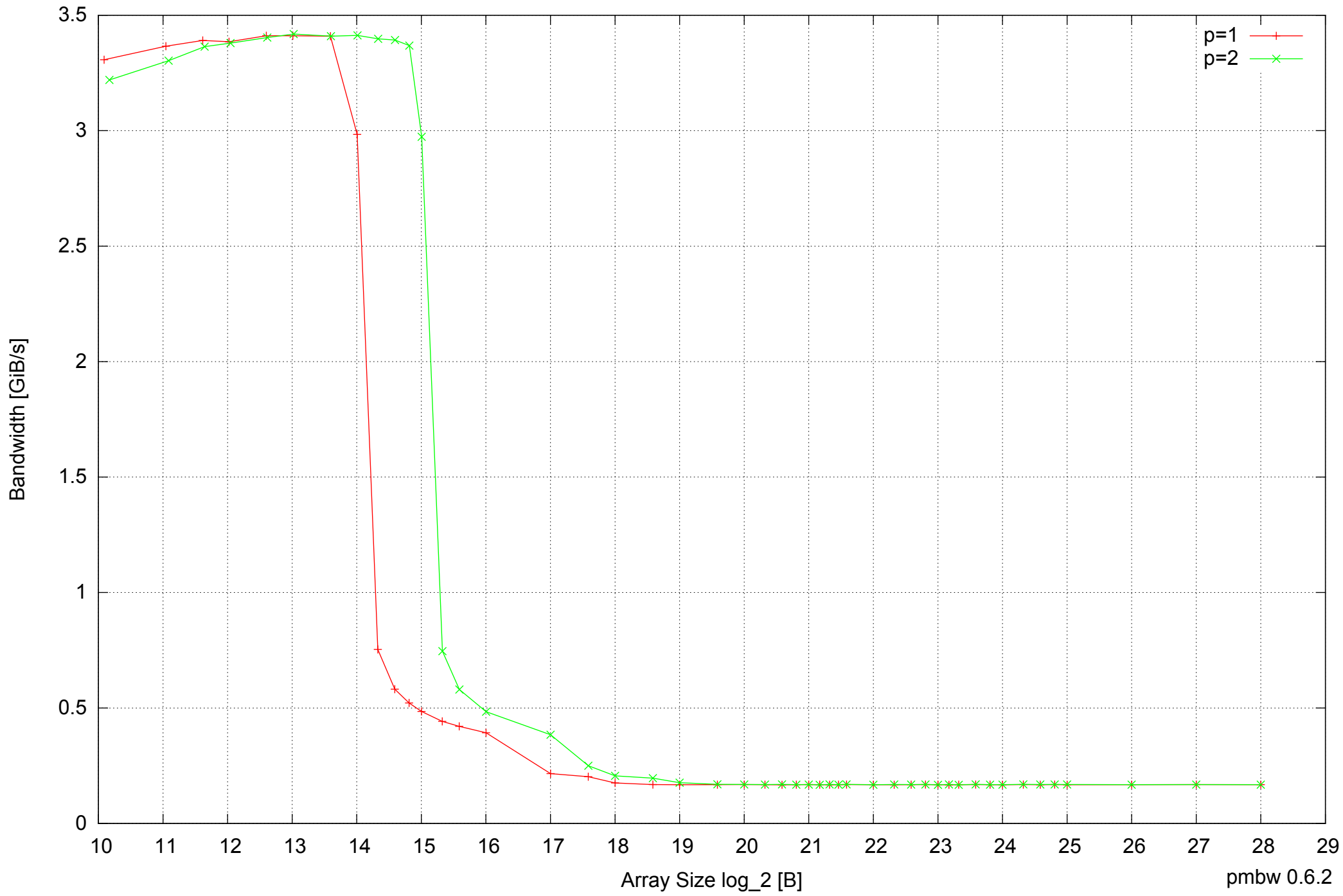
Raspberry Pi Model B: ARM1176JZF-S 512MB - Speedup of Parallel Memory Bandwidth - ScanRead32PtrUnrollLoop



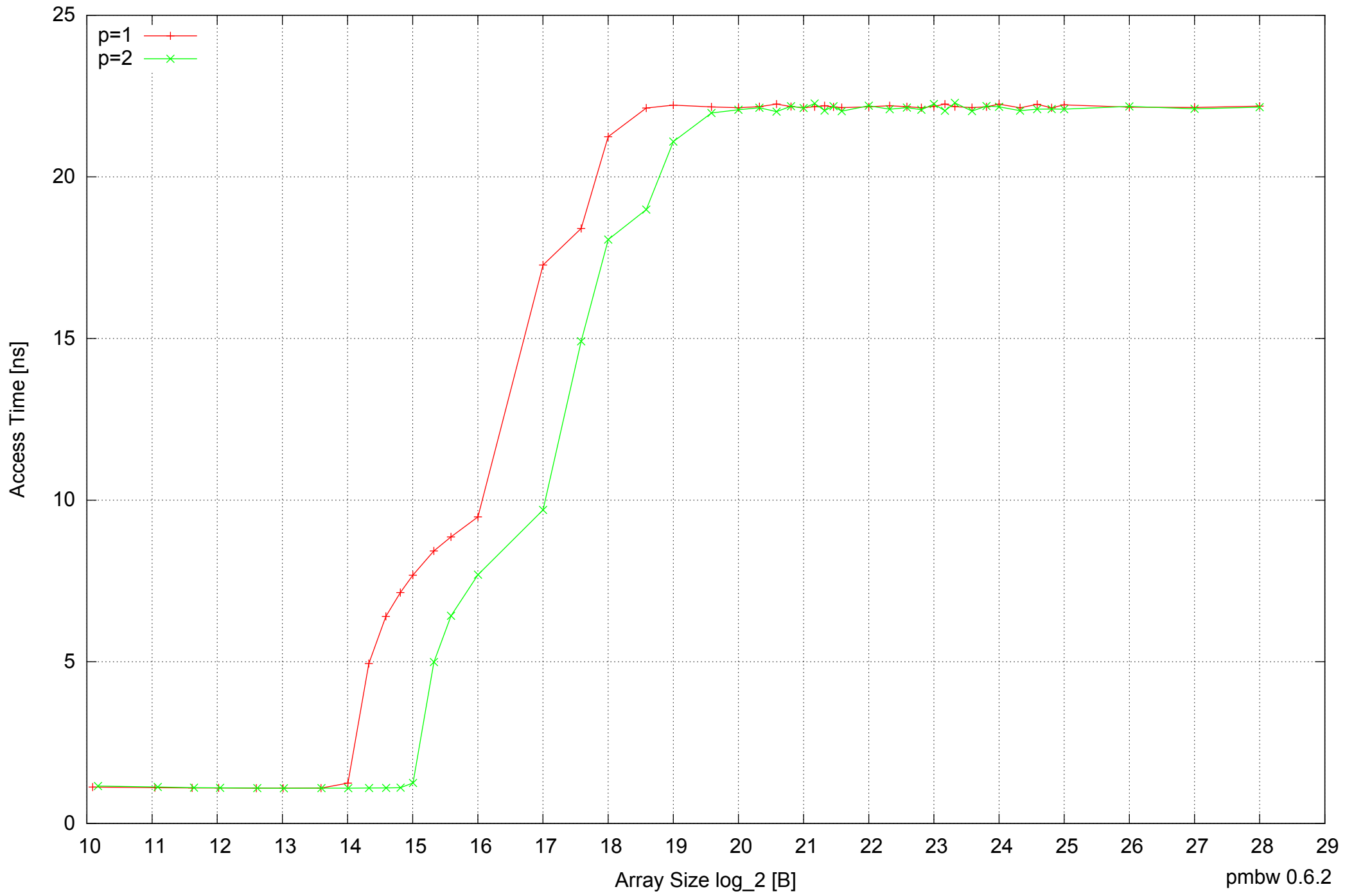
Raspberry Pi Model B: ARM1176JZF-S 512MB - Speedup of Parallel Memory Bandwidth (enlarged) - ScanRead32PtrUnrollLoop



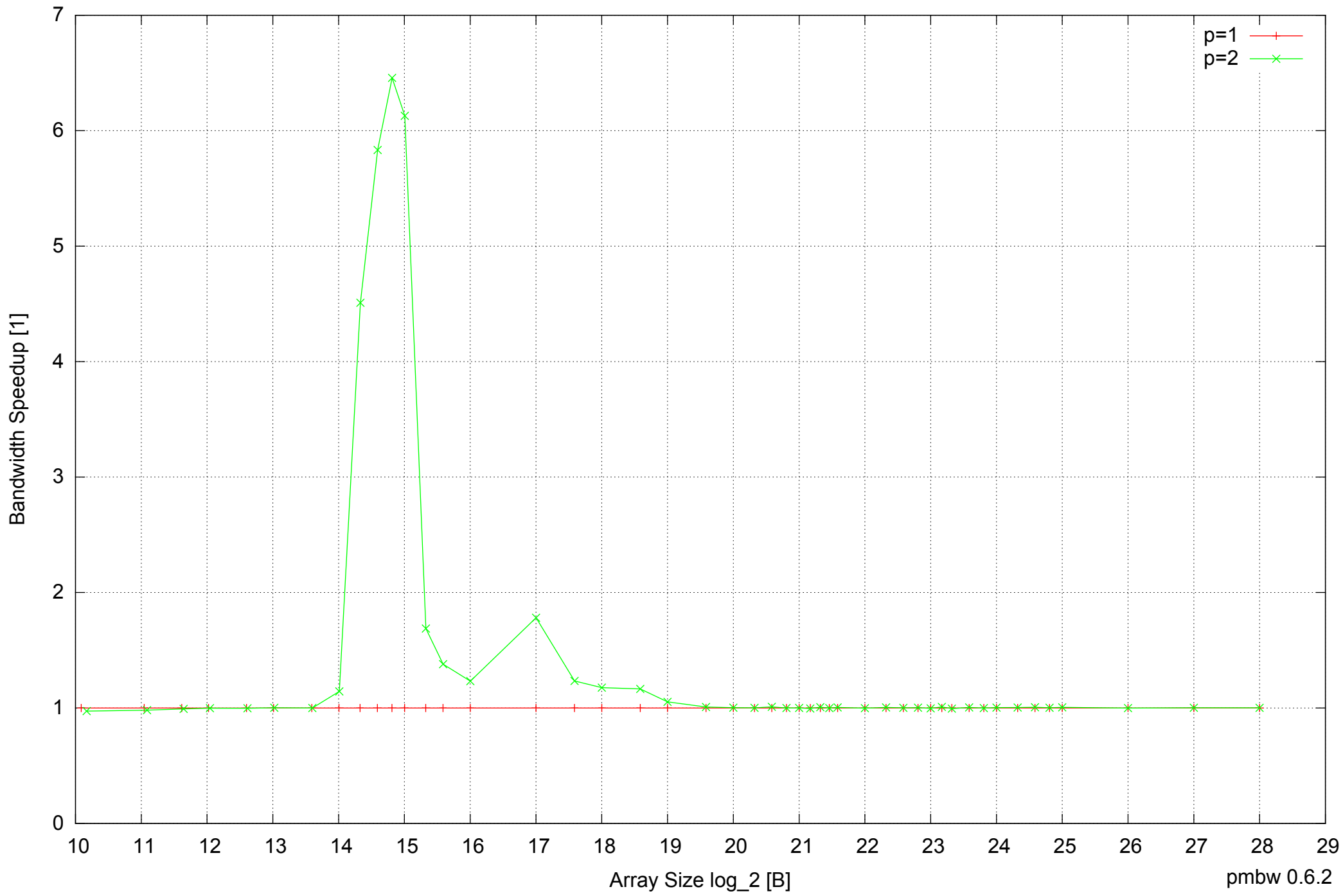
Raspberry Pi Model B: ARM1176JZF-S 512MB - Parallel Memory Bandwidth - ScanRead32PtrMultiLoop



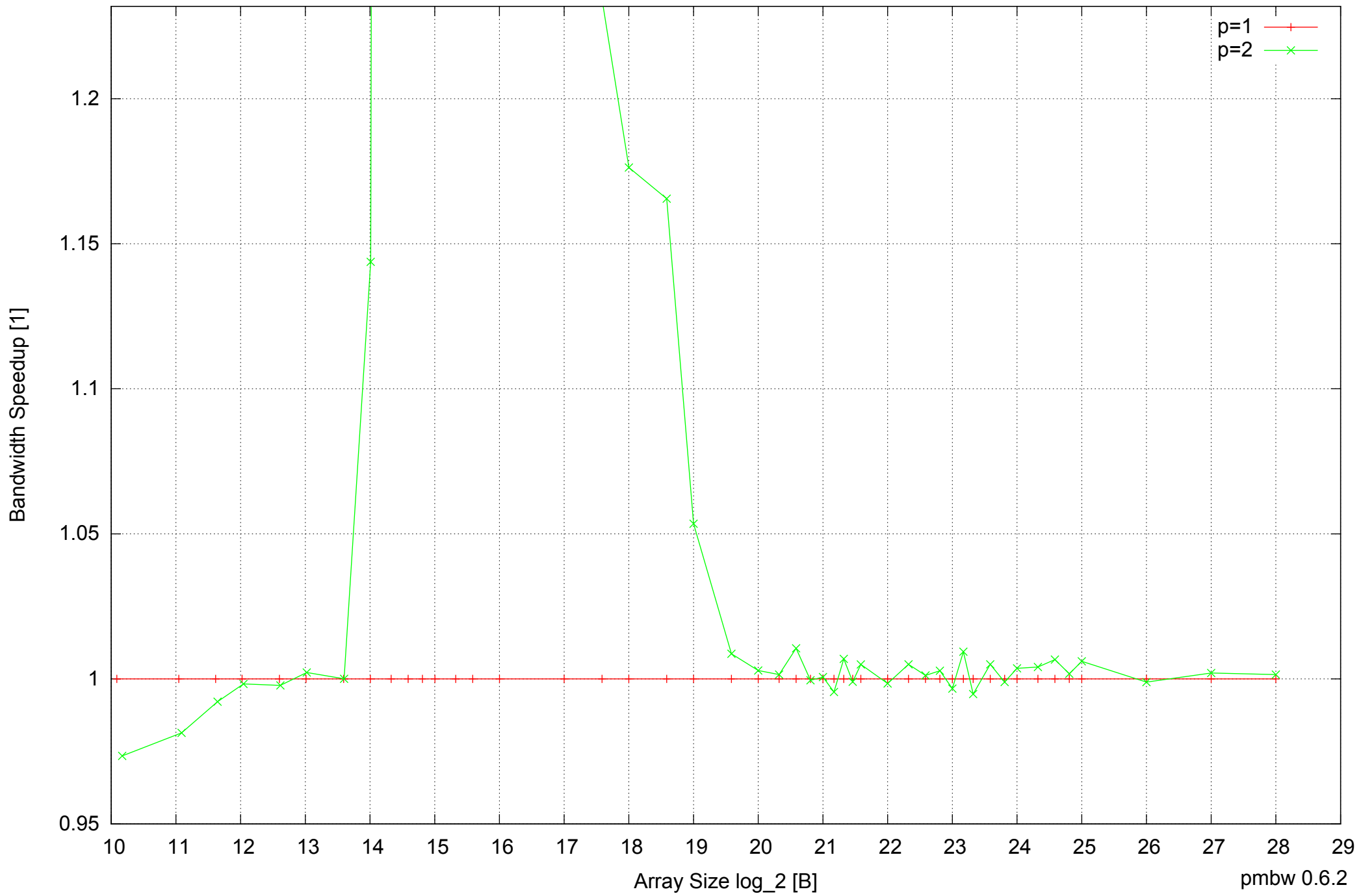
Raspberry Pi Model B: ARM1176JZF-S 512MB - Parallel Memory Access Time - ScanRead32PtrMultiLoop



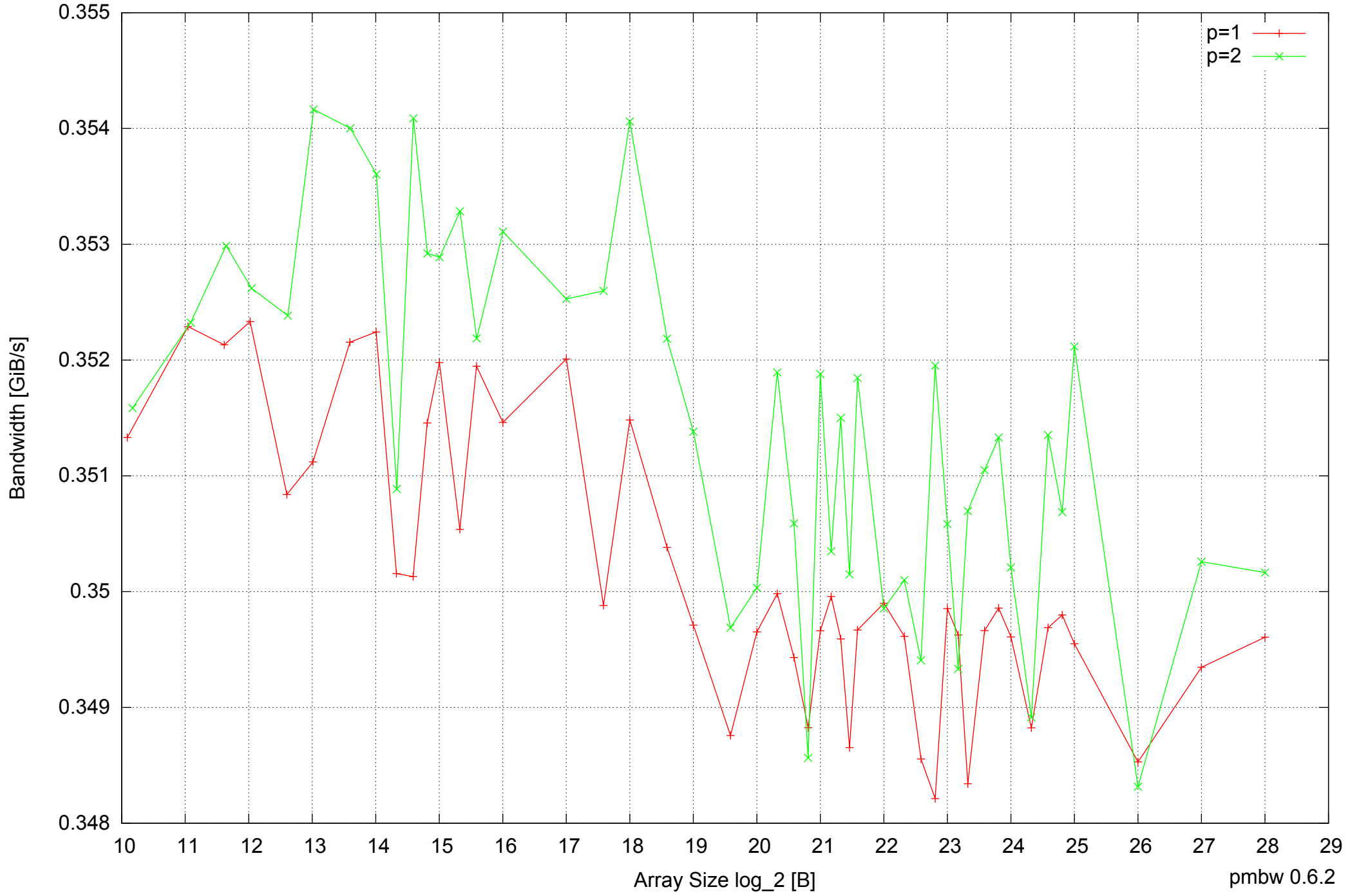
Raspberry Pi Model B: ARM1176JZF-S 512MB - Speedup of Parallel Memory Bandwidth - ScanRead32PtrMultiLoop



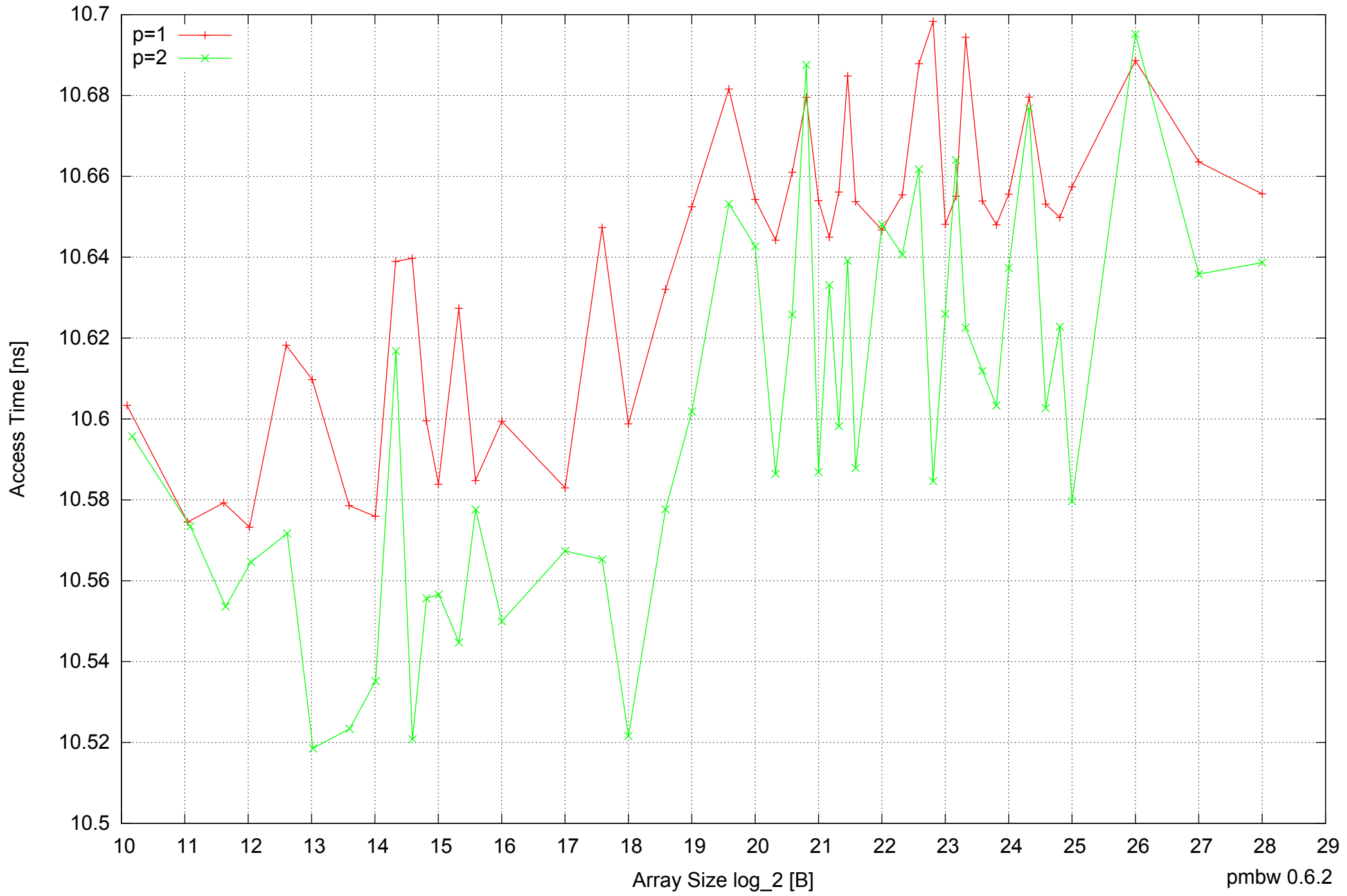
Raspberry Pi Model B: ARM1176JZF-S 512MB - Speedup of Parallel Memory Bandwidth (enlarged) - ScanRead32PtrMultiLoop



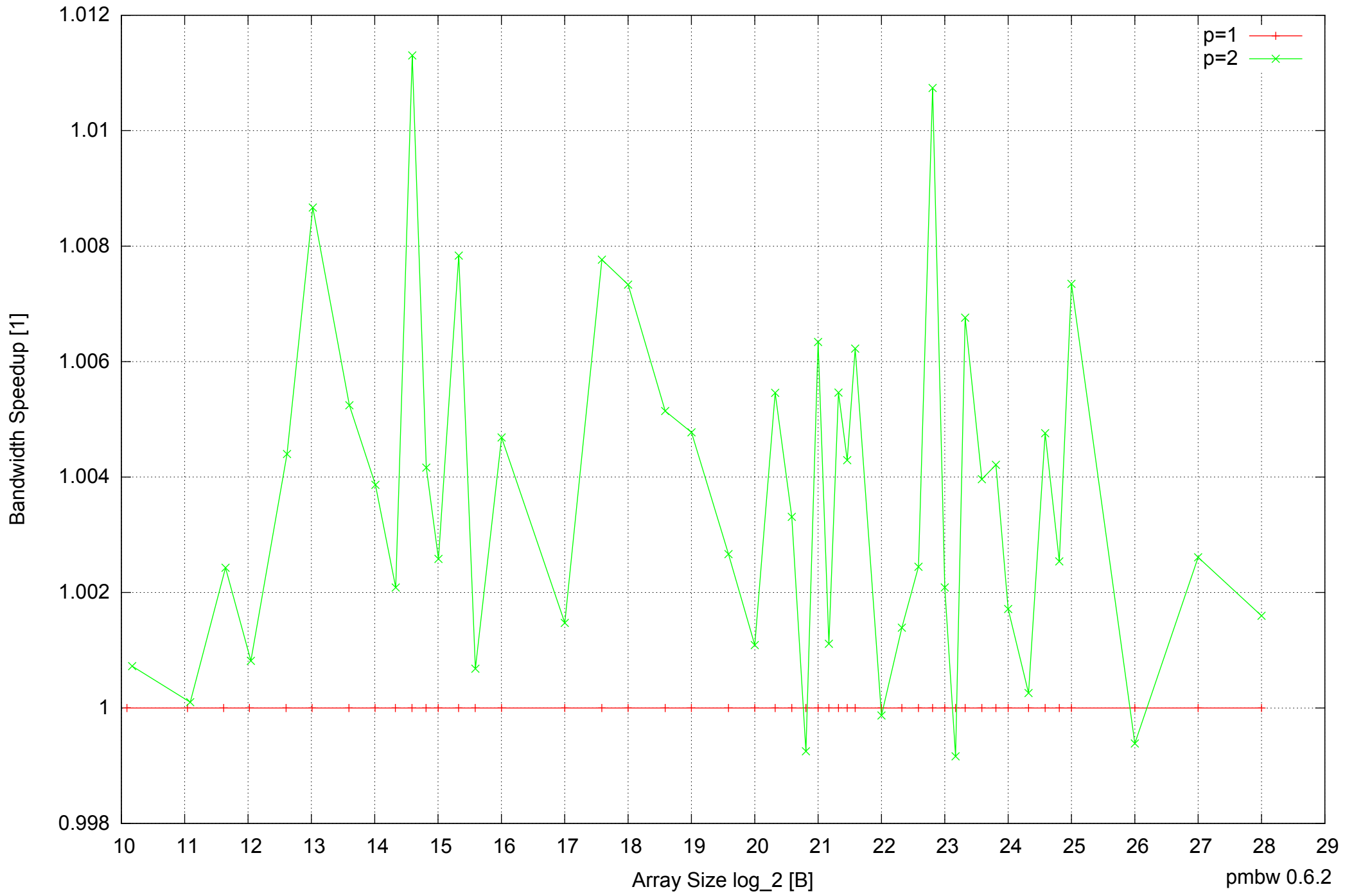
Raspberry Pi Model B: ARM1176JZF-S 512MB - Parallel Memory Bandwidth - ScanWrite32IndexSimpleLoop



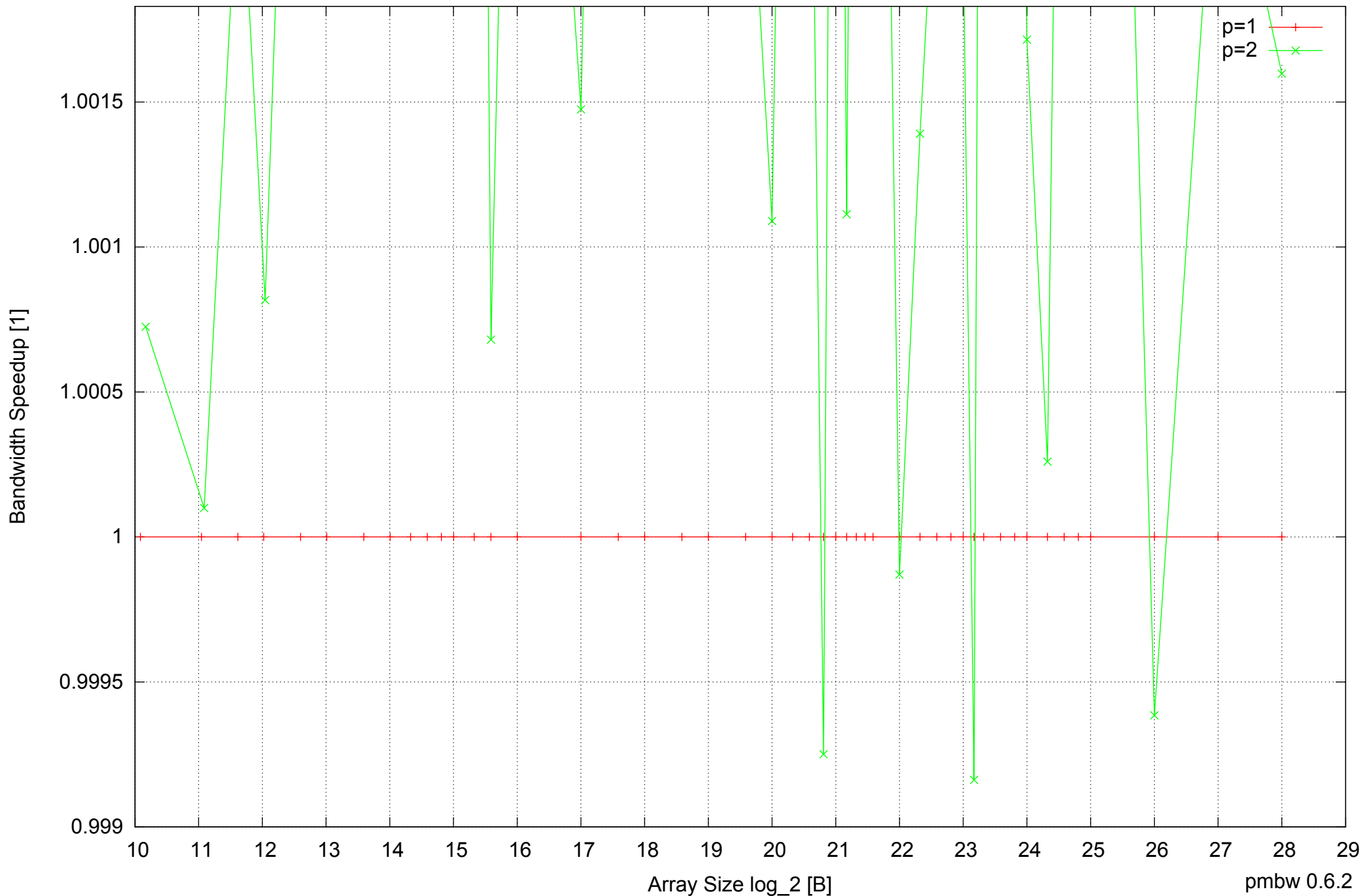
Raspberry Pi Model B: ARM1176JZF-S 512MB - Parallel Memory Access Time - ScanWrite32IndexSimpleLoop



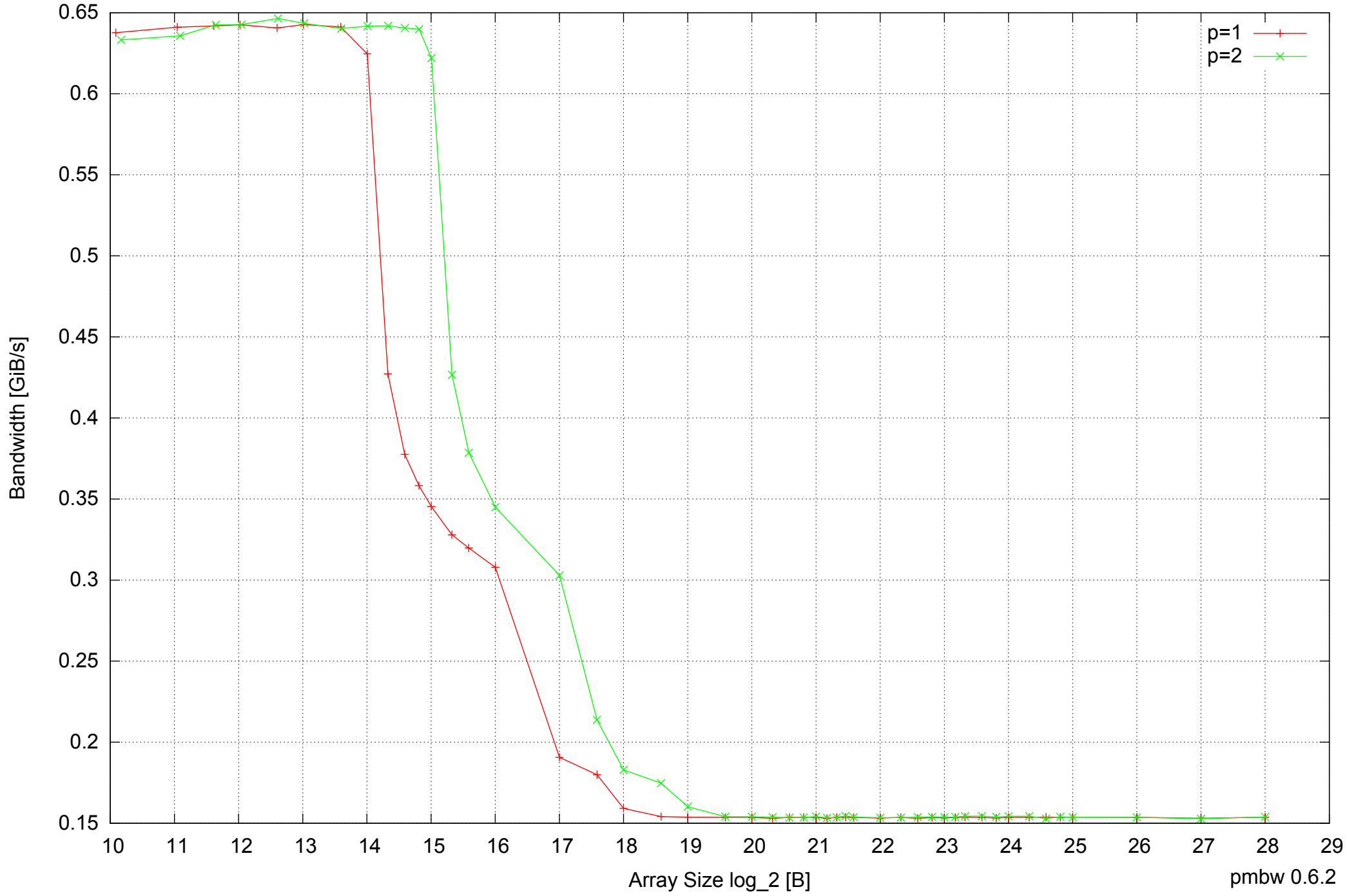
Raspberry Pi Model B: ARM1176JZF-S 512MB - Speedup of Parallel Memory Bandwidth - ScanWrite32IndexSimpleLoop



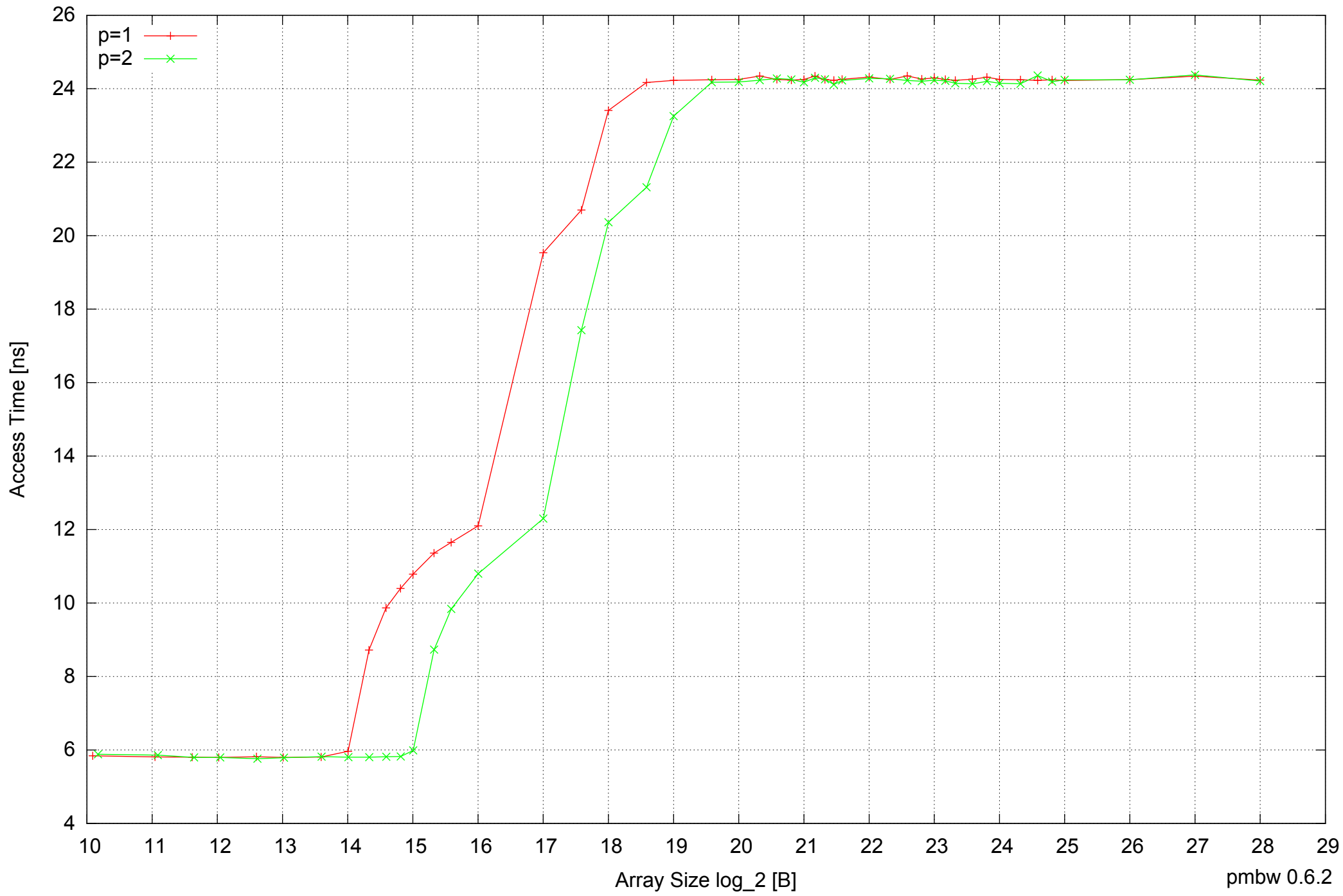
Raspberry Pi Model B: ARM1176JZF-S 512MB - Speedup of Parallel Memory Bandwidth (enlarged) - ScanWrite32IndexSimpleLoop



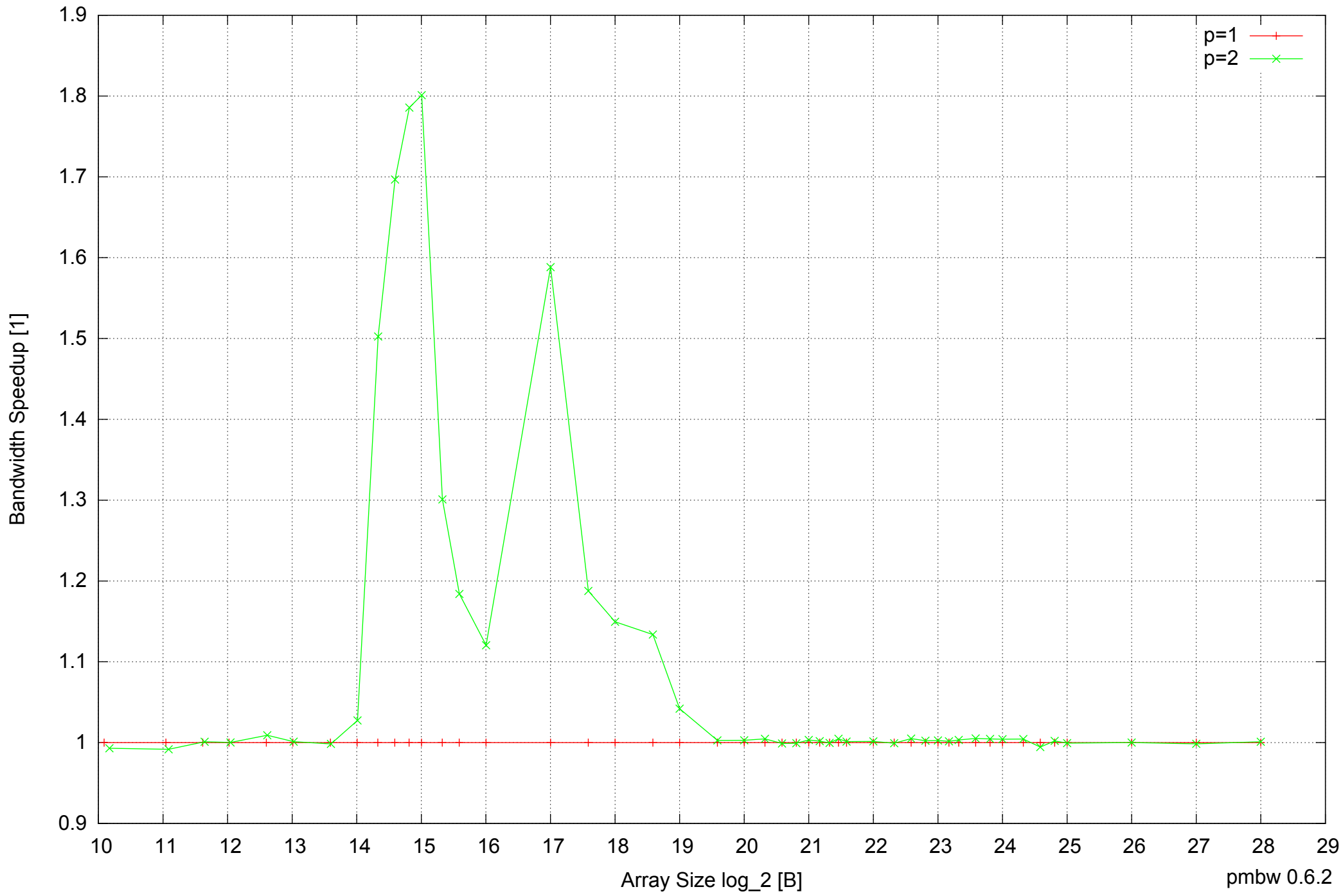
Raspberry Pi Model B: ARM1176JZF-S 512MB - Parallel Memory Bandwidth - ScanRead32IndexSimpleLoop



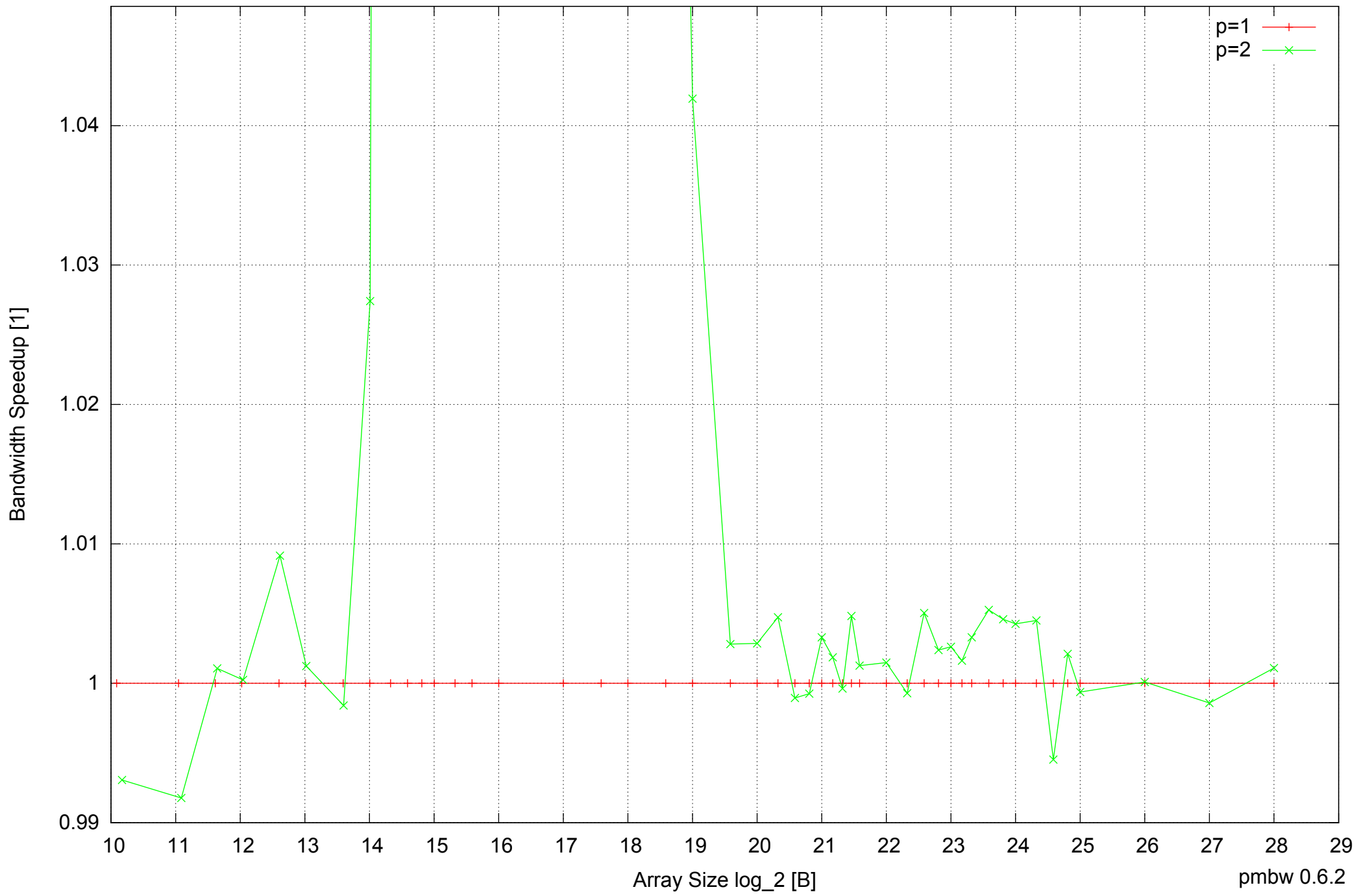
Raspberry Pi Model B: ARM1176JZF-S 512MB - Parallel Memory Access Time - ScanRead32IndexSimpleLoop



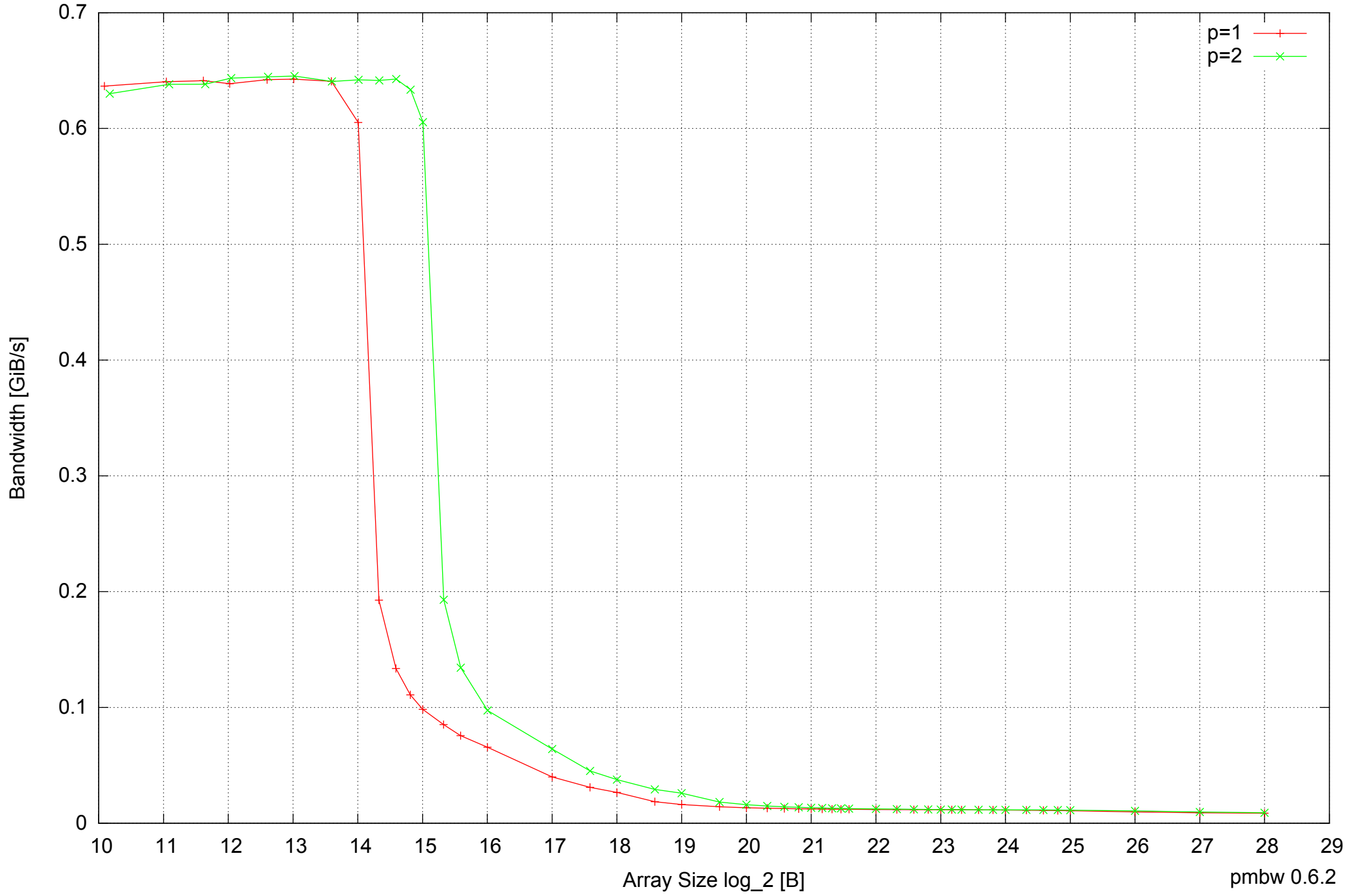
Raspberry Pi Model B: ARM1176JZF-S 512MB - Speedup of Parallel Memory Bandwidth - ScanRead32IndexSimpleLoop



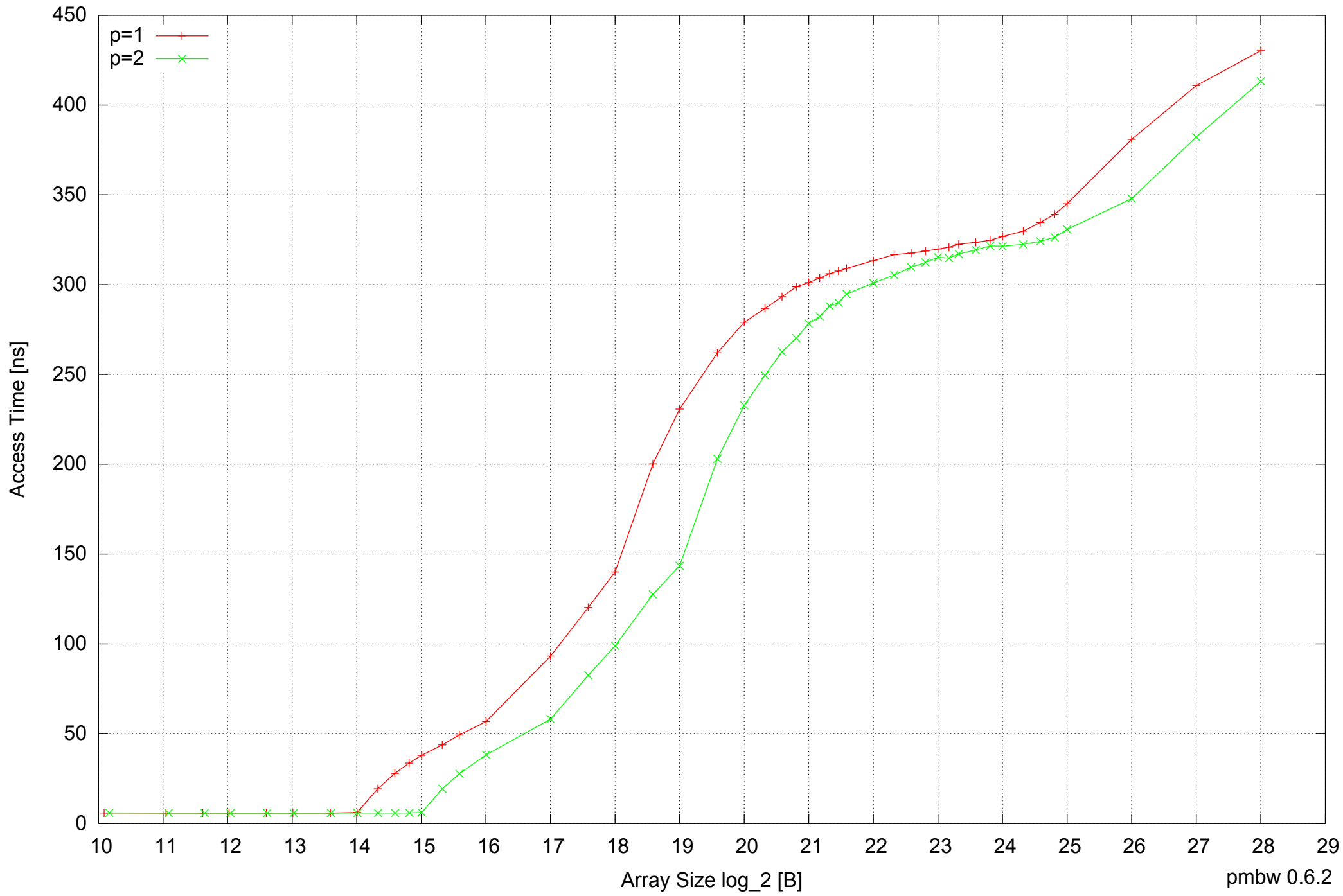
Raspberry Pi Model B: ARM1176JZF-S 512MB - Speedup of Parallel Memory Bandwidth (enlarged) - ScanRead32IndexSimpleLoop



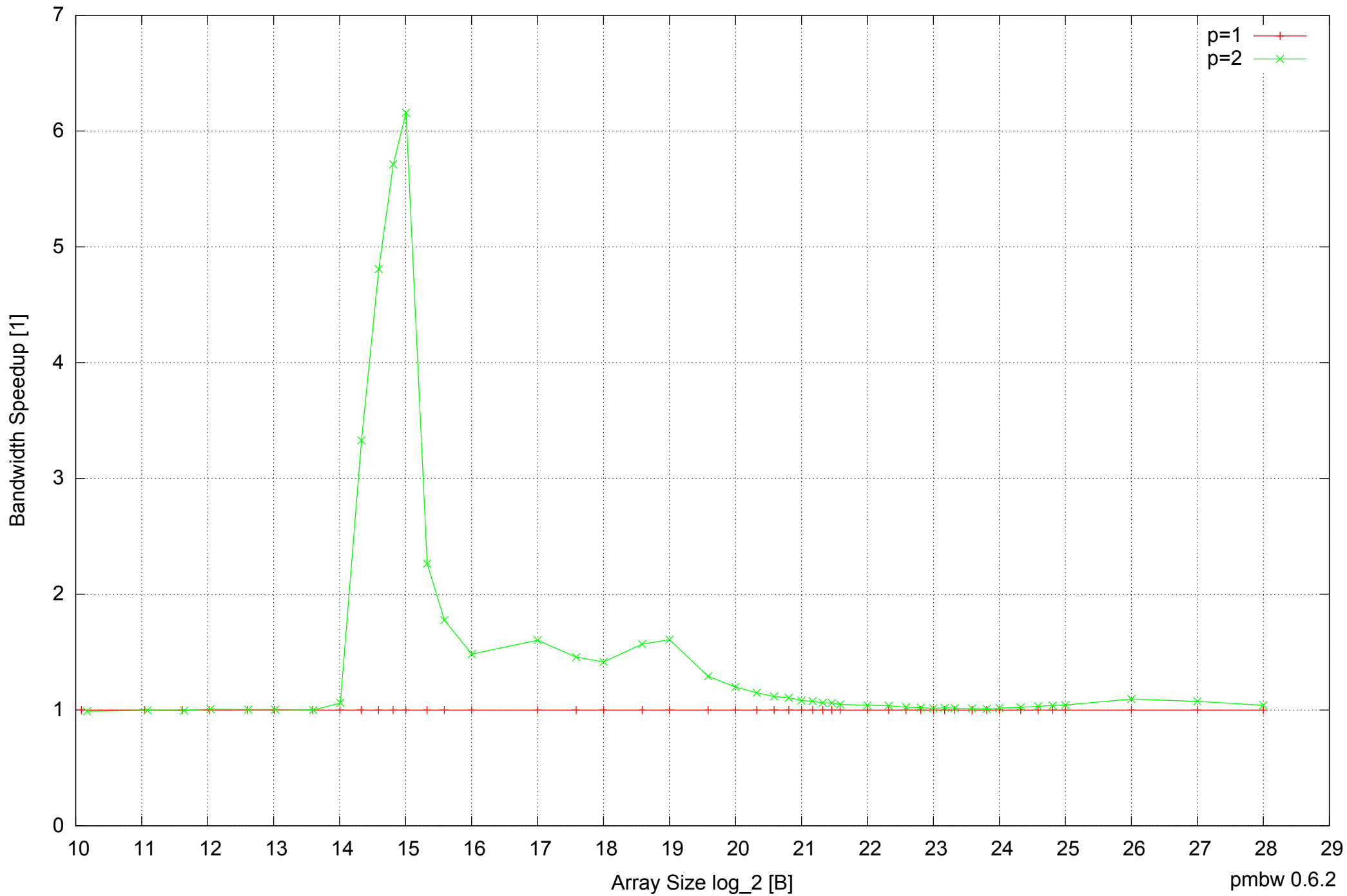
Raspberry Pi Model B: ARM1176JZF-S 512MB - Parallel Memory Bandwidth - PermRead32SimpleLoop



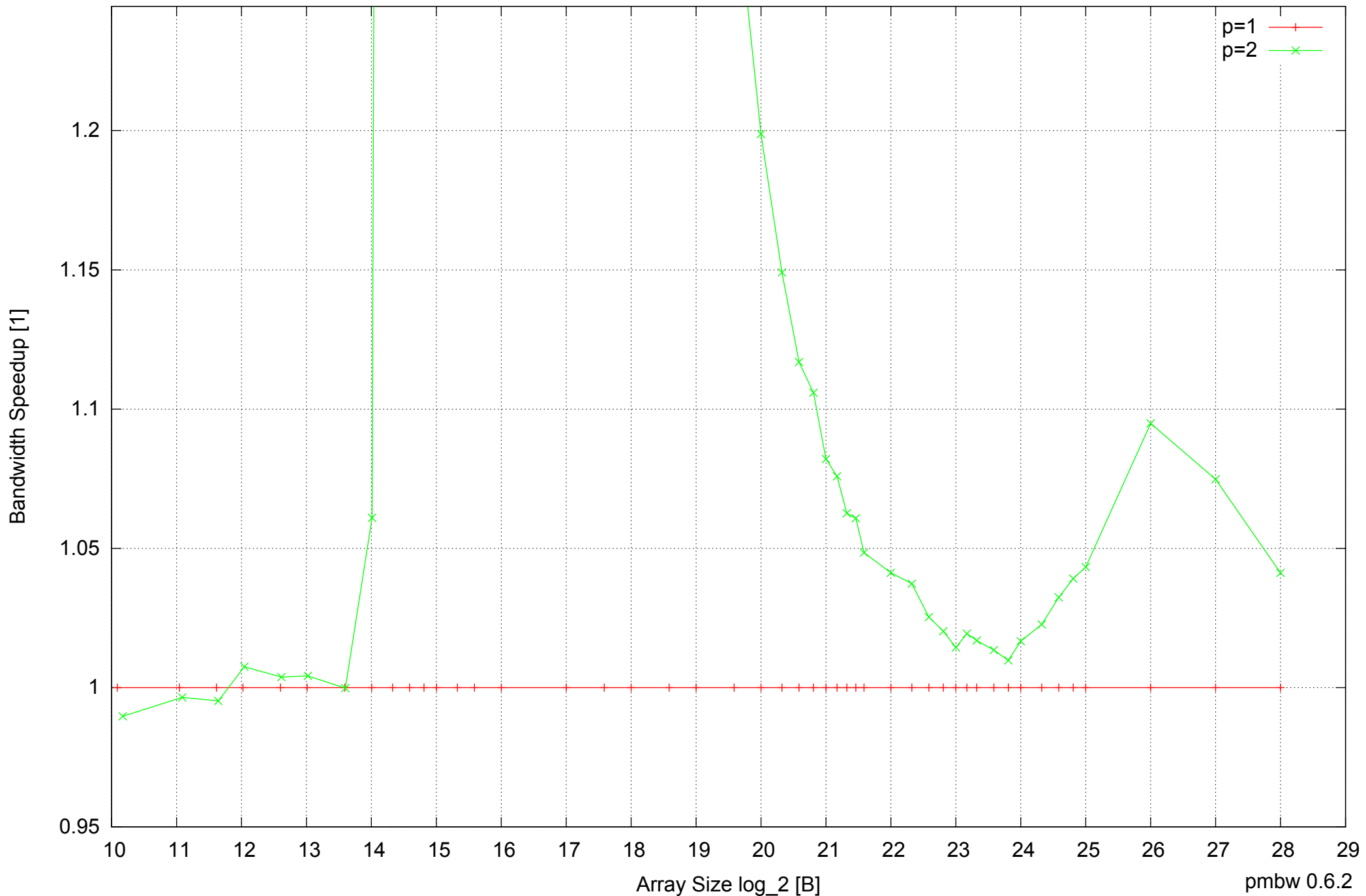
Raspberry Pi Model B: ARM1176JZF-S 512MB - Parallel Memory Access Time - PermRead32SimpleLoop



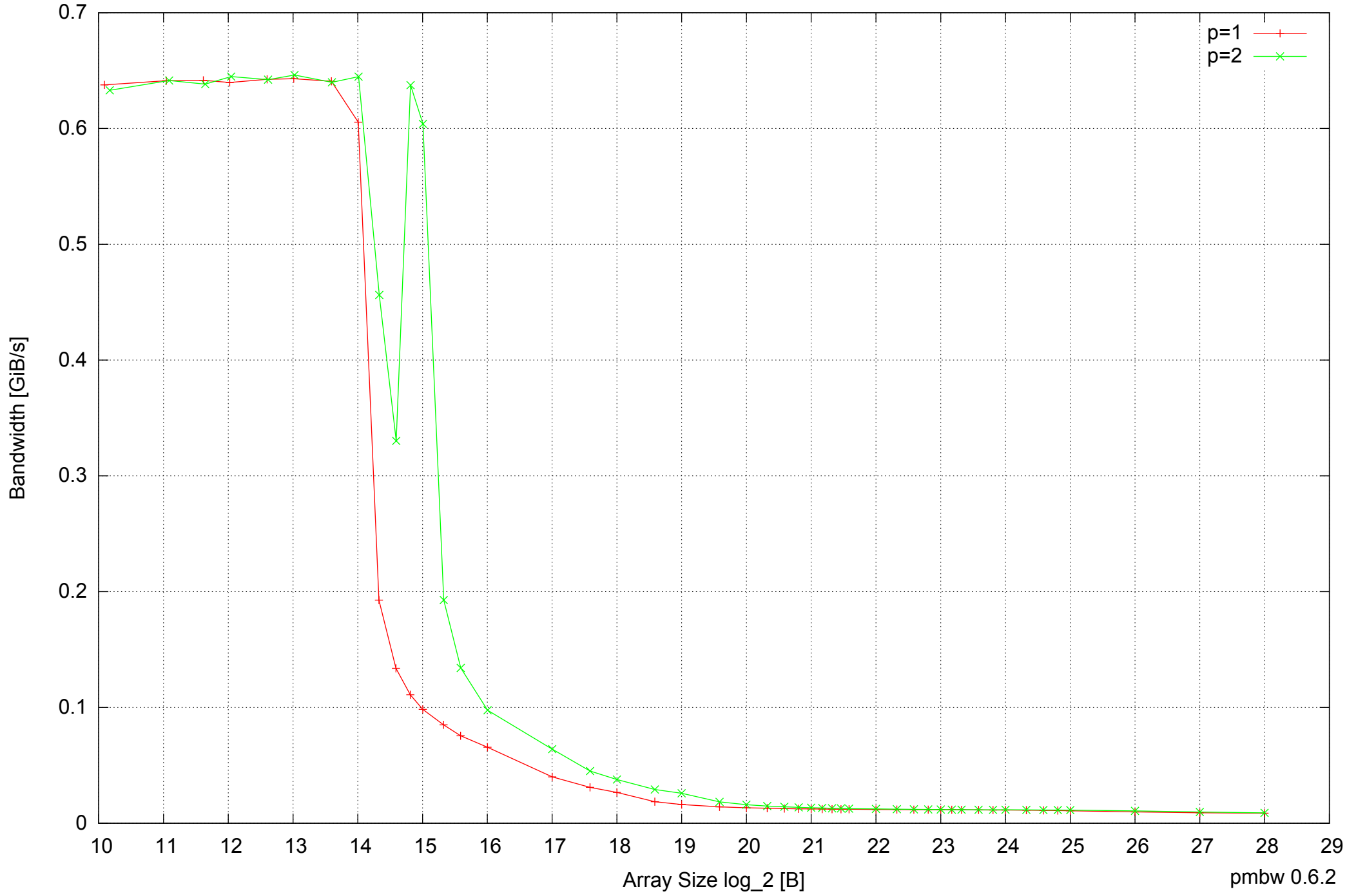
Raspberry Pi Model B: ARM1176JZF-S 512MB - Speedup of Parallel Memory Bandwidth - PermRead32SimpleLoop



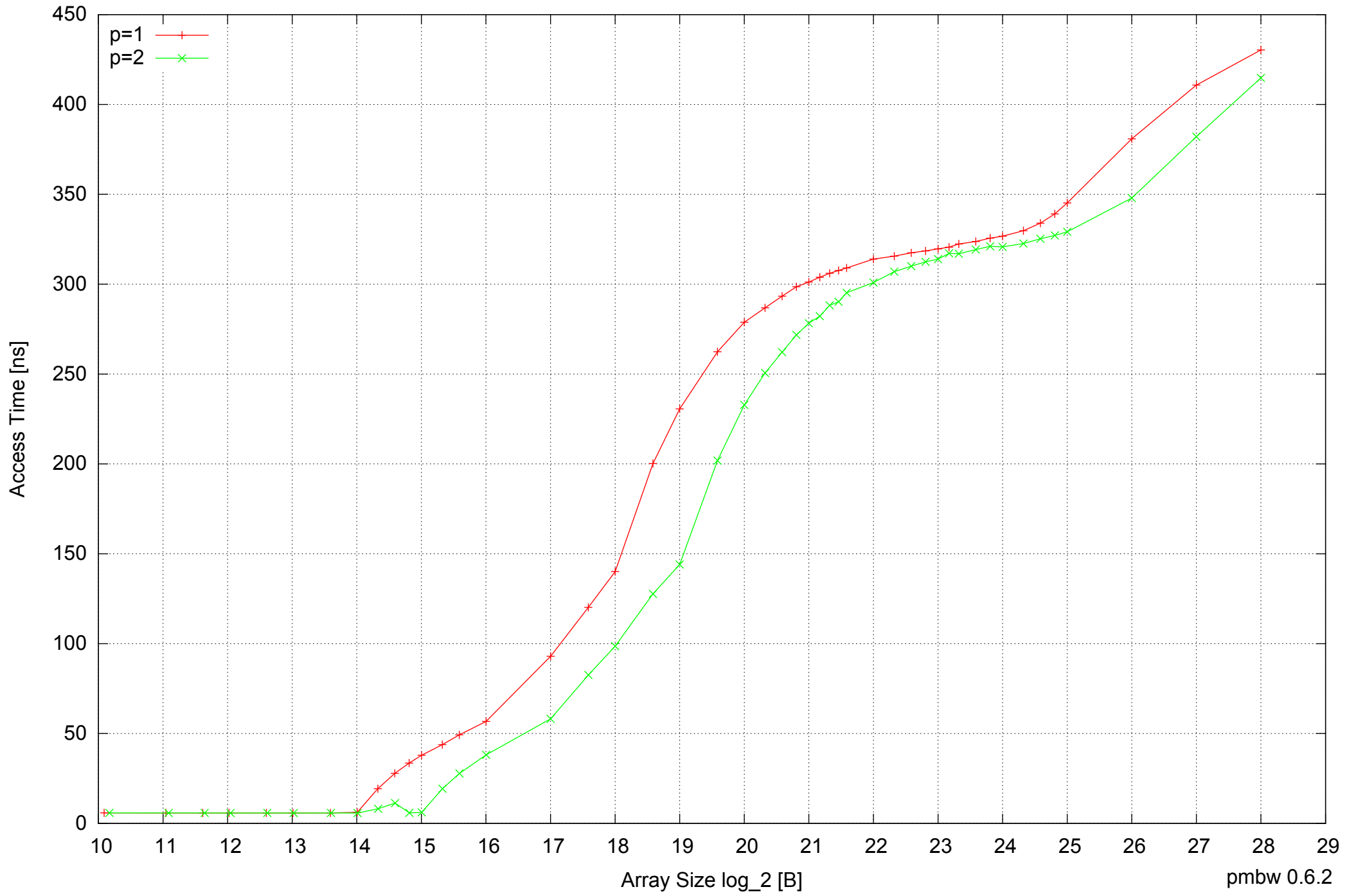
Raspberry Pi Model B: ARM1176JZF-S 512MB - Speedup of Parallel Memory Bandwidth (enlarged) - PermRead32SimpleLoop



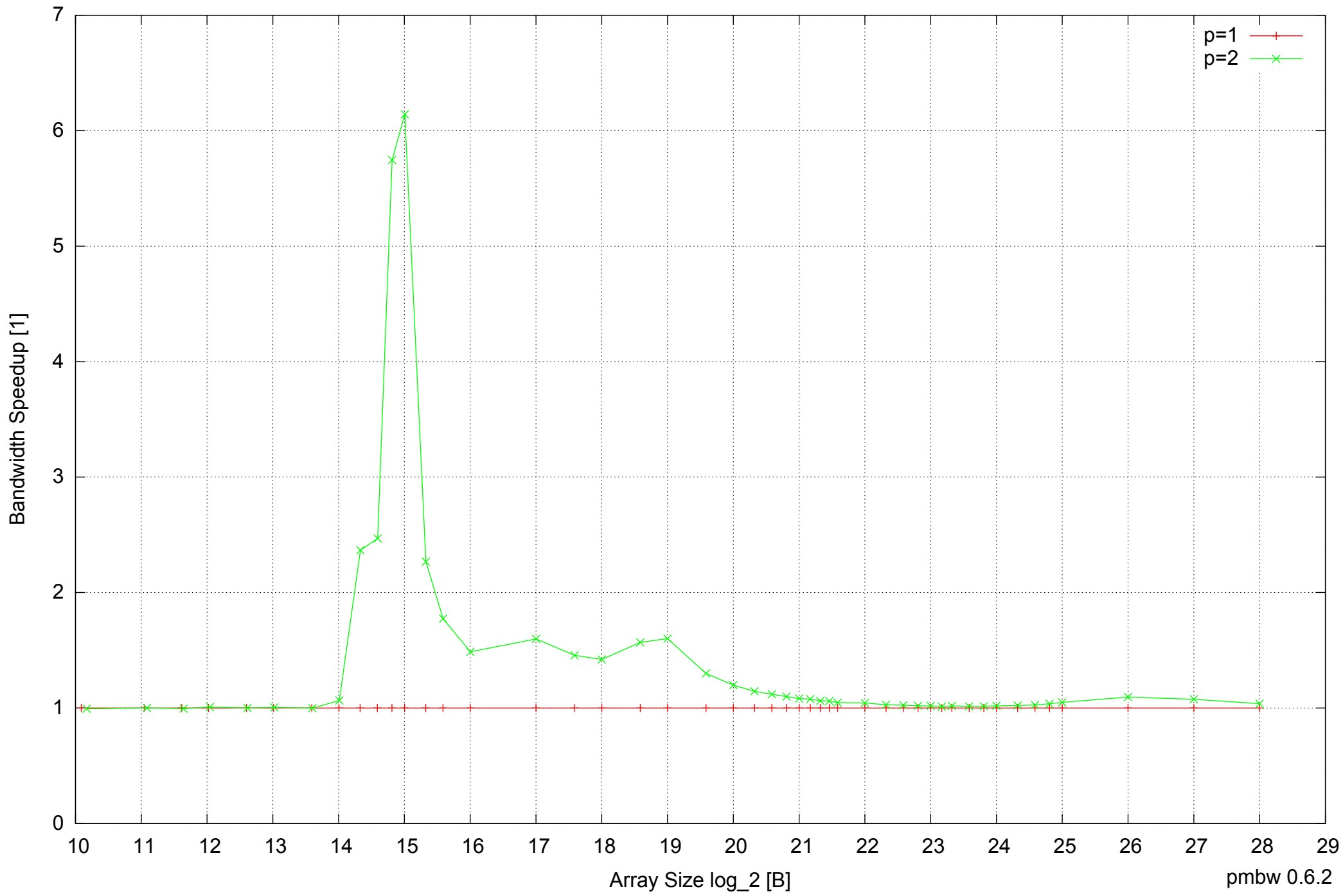
Raspberry Pi Model B: ARM1176JZF-S 512MB - Parallel Memory Bandwidth - PermRead32UnrollLoop



Raspberry Pi Model B: ARM1176JZF-S 512MB - Parallel Memory Access Time - PermRead32UnrollLoop



Raspberry Pi Model B: ARM1176JZF-S 512MB - Speedup of Parallel Memory Bandwidth - PermRead32UnrollLoop



Raspberry Pi Model B: ARM1176JZF-S 512MB - Speedup of Parallel Memory Bandwidth (enlarged) - PermRead32UnrollLoop

