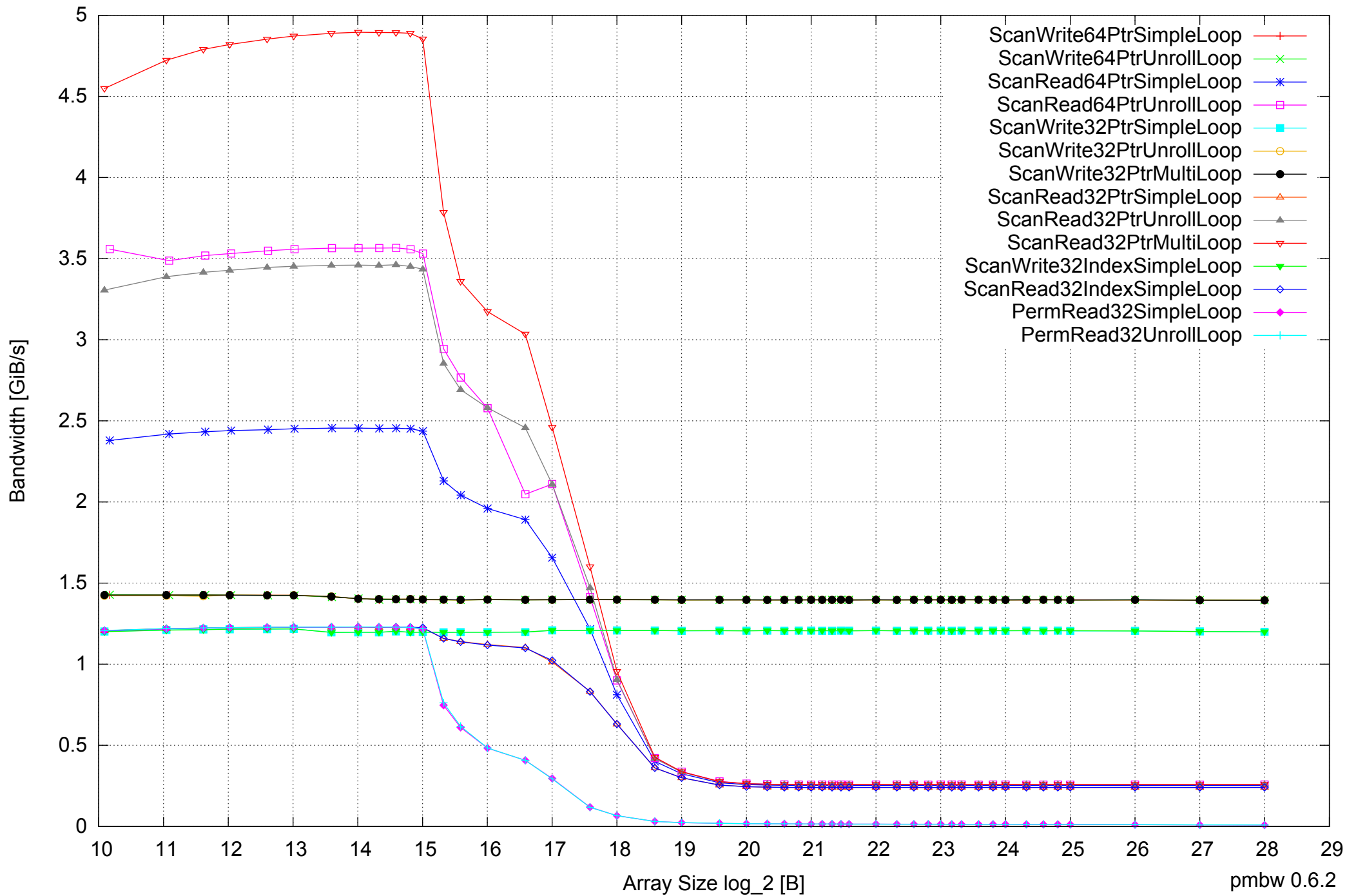
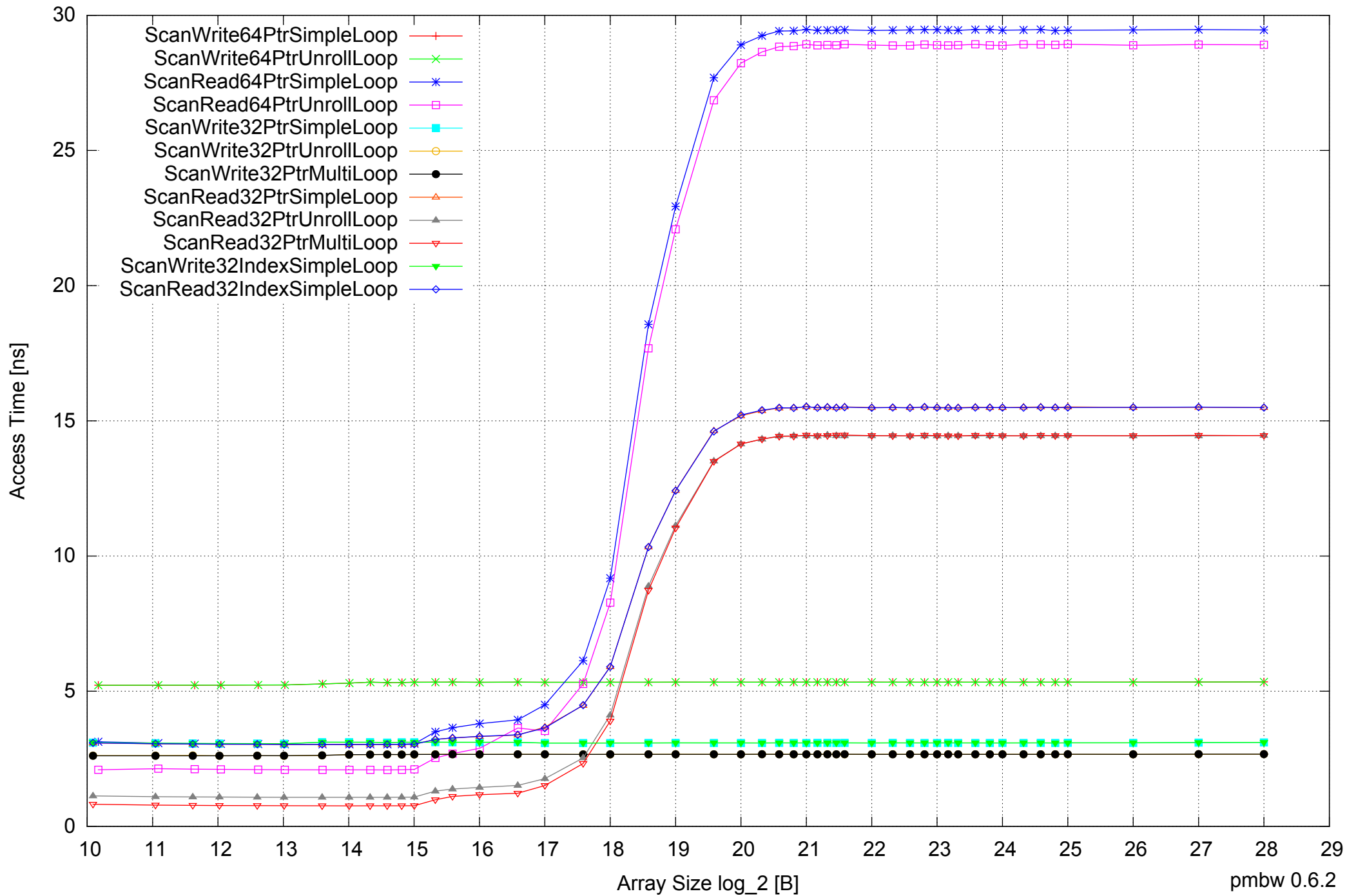


BeagleBone Black: AM335x 1GHz ARM Cortex-A8 512MB - One Thread Memory Bandwidth

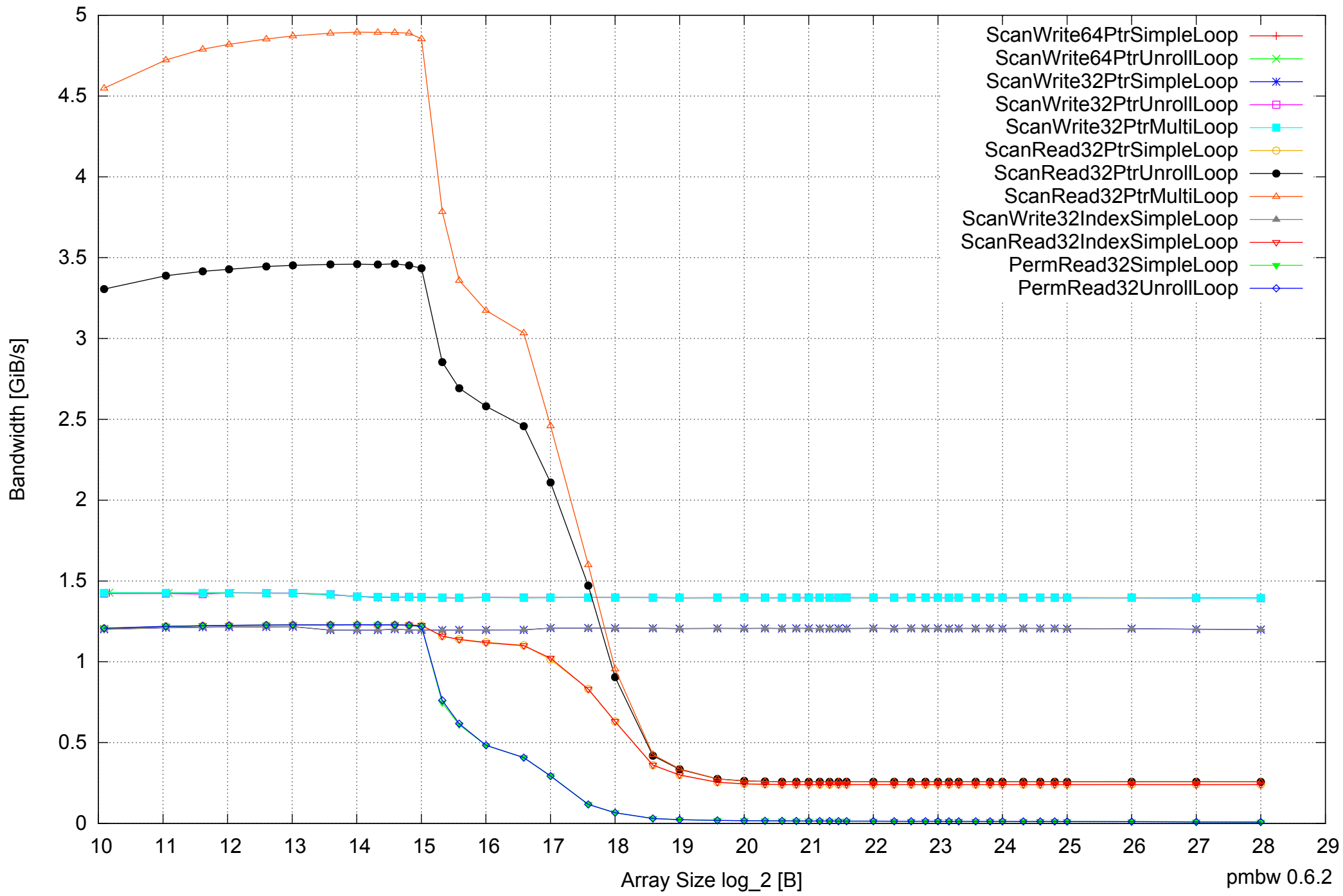




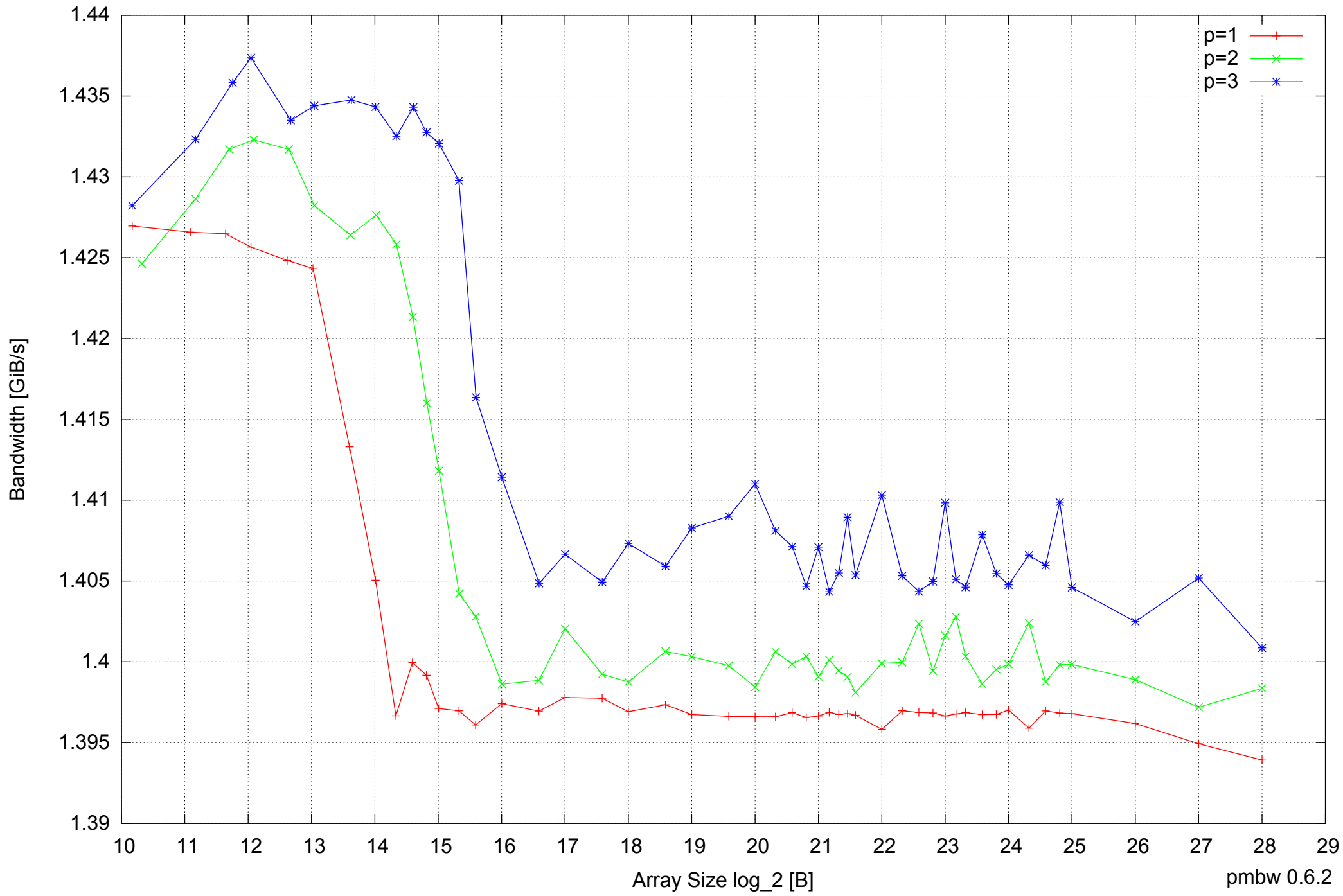
BeagleBone Black: AM335x 1GHz ARM Cortex-A8 512MB - One Thread Memory Latency (excluding Permutation)



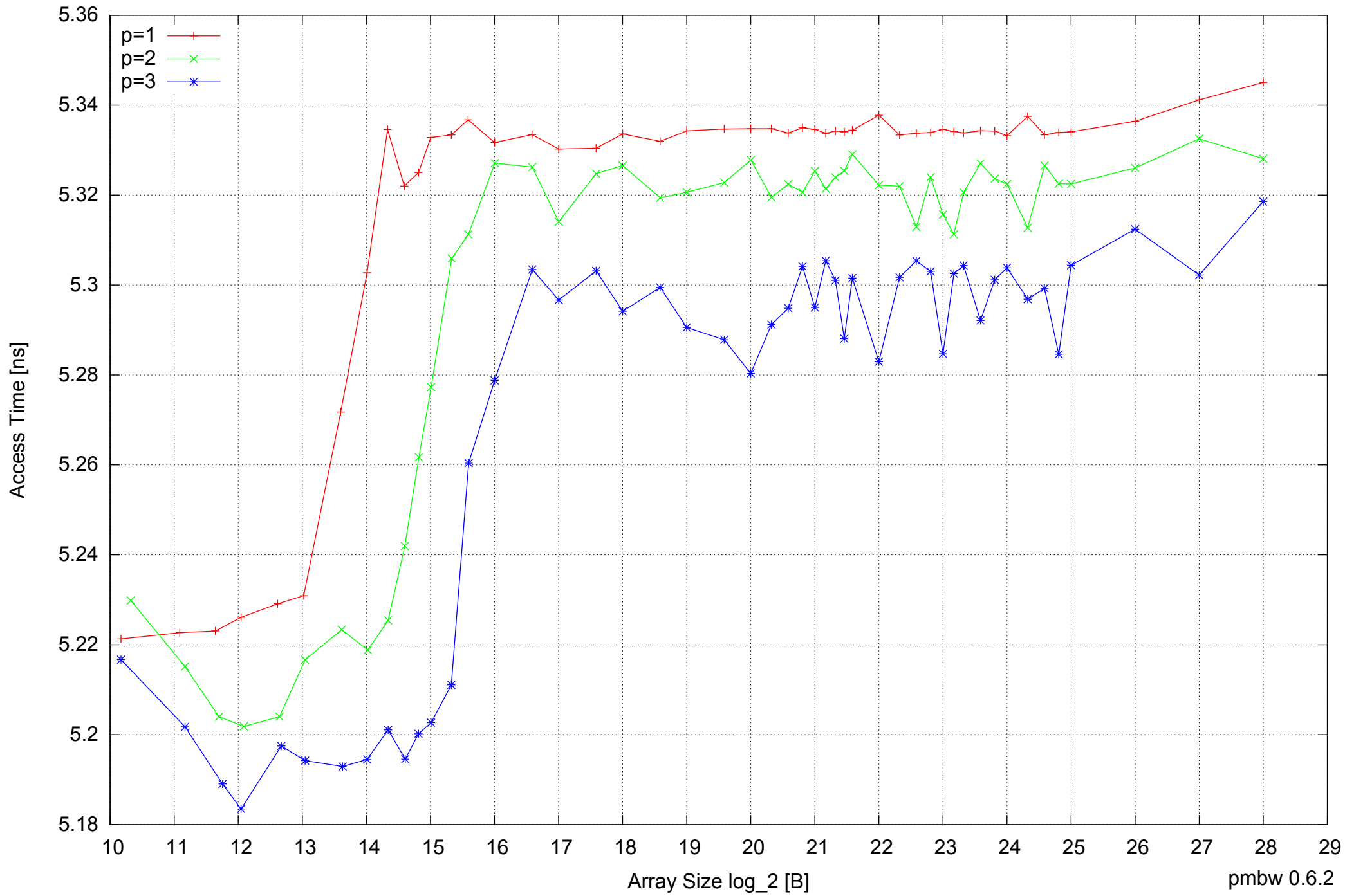
BeagleBone Black: AM335x 1GHz ARM Cortex-A8 512MB - One Thread Memory Bandwidth (only 64-bit Reads)



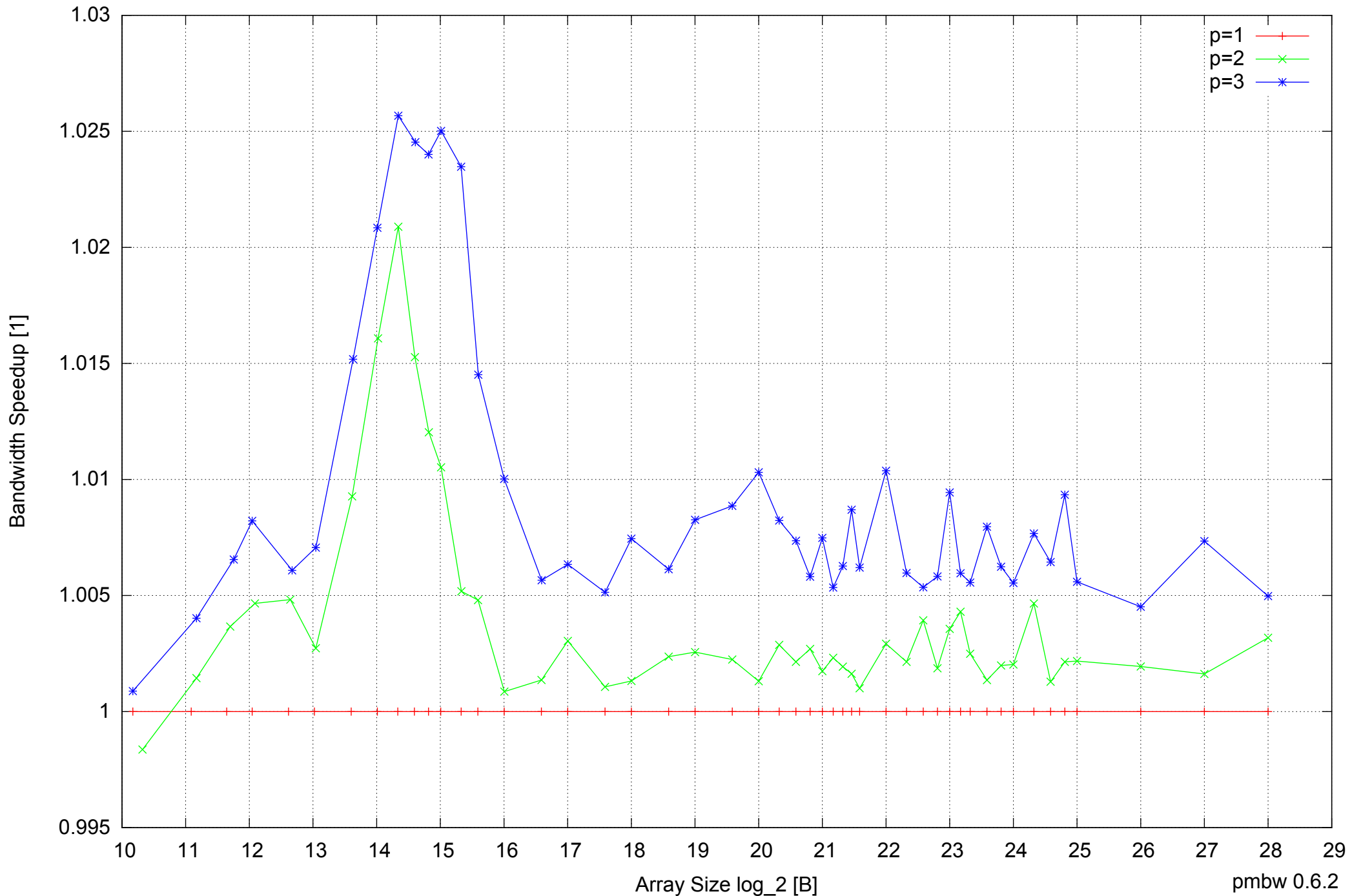
BeagleBone Black: AM335x 1GHz ARM Cortex-A8 512MB - Parallel Memory Bandwidth - ScanWrite64PtrSimpleLoop



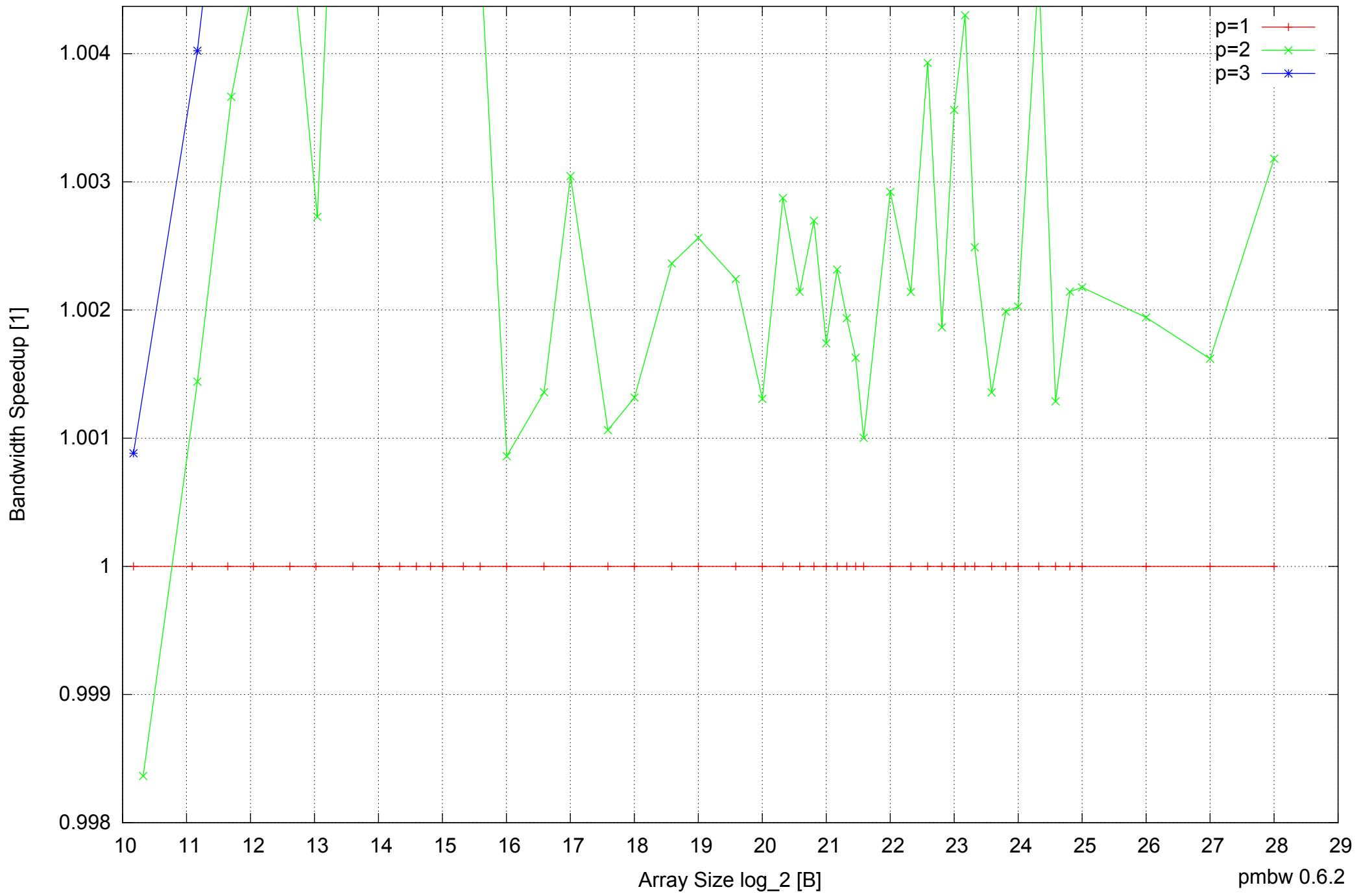
BeagleBone Black: AM335x 1GHz ARM Cortex-A8 512MB - Parallel Memory Access Time - ScanWrite64PtrSimpleLoop



BeagleBone Black: AM335x 1GHz ARM Cortex-A8 512MB - Speedup of Parallel Memory Bandwidth - ScanWrite64PtrSimpleLoop

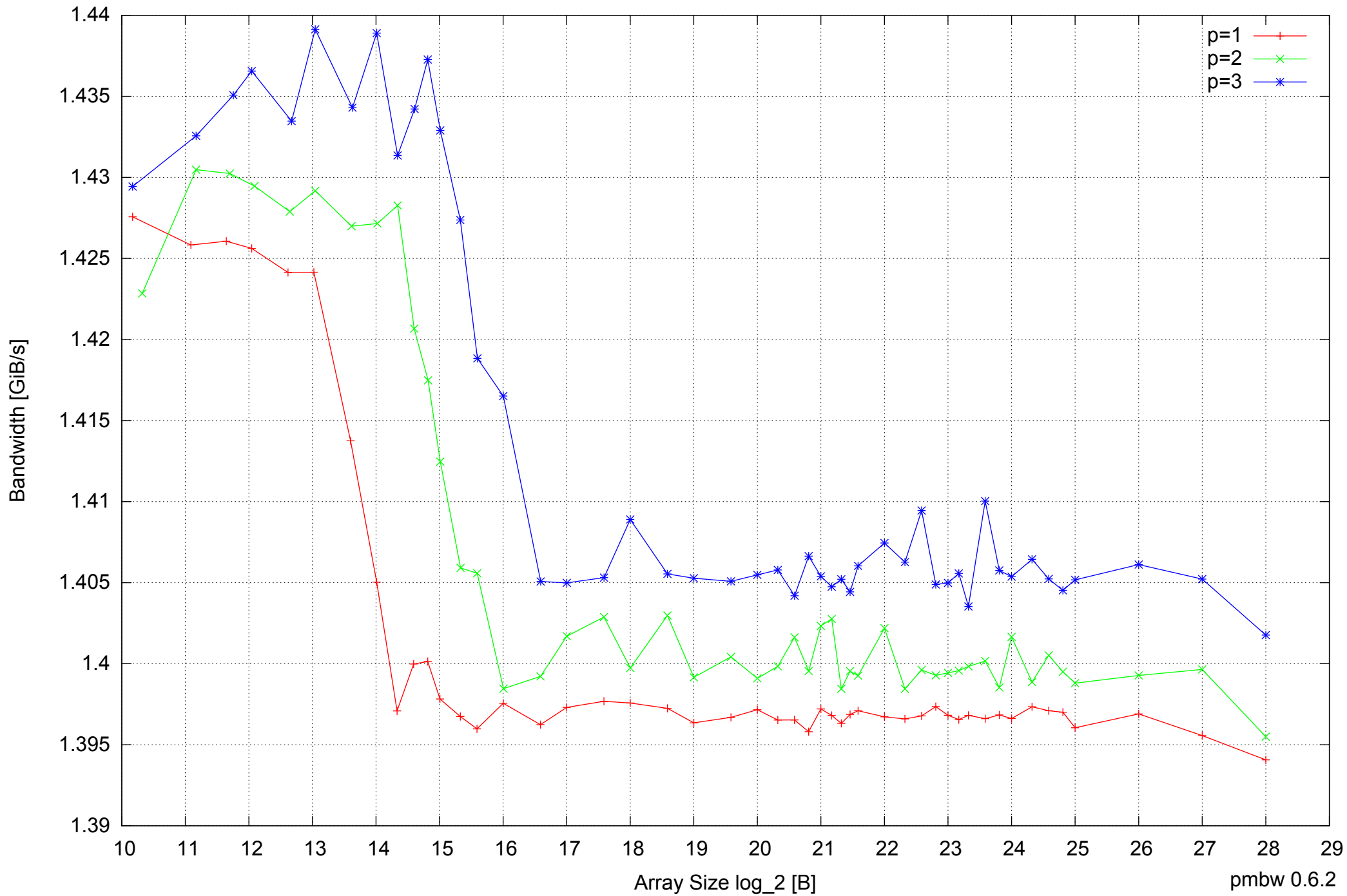


BeagleBone Black: AM335x 1GHz ARM Cortex-A8 512MB - Speedup of Parallel Memory Bandwidth (enlarged) - ScanWrite64PtrSimpleLoop

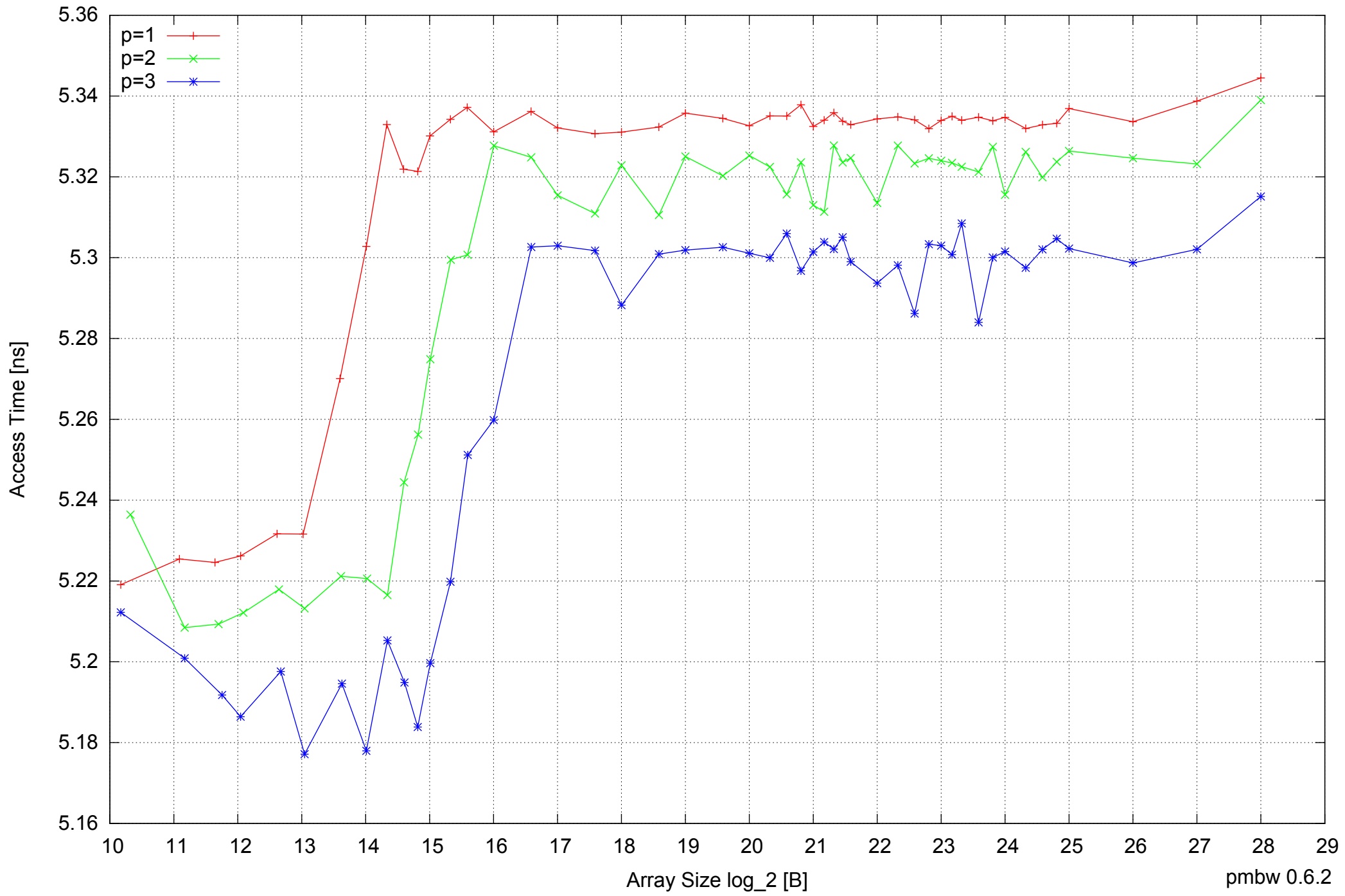




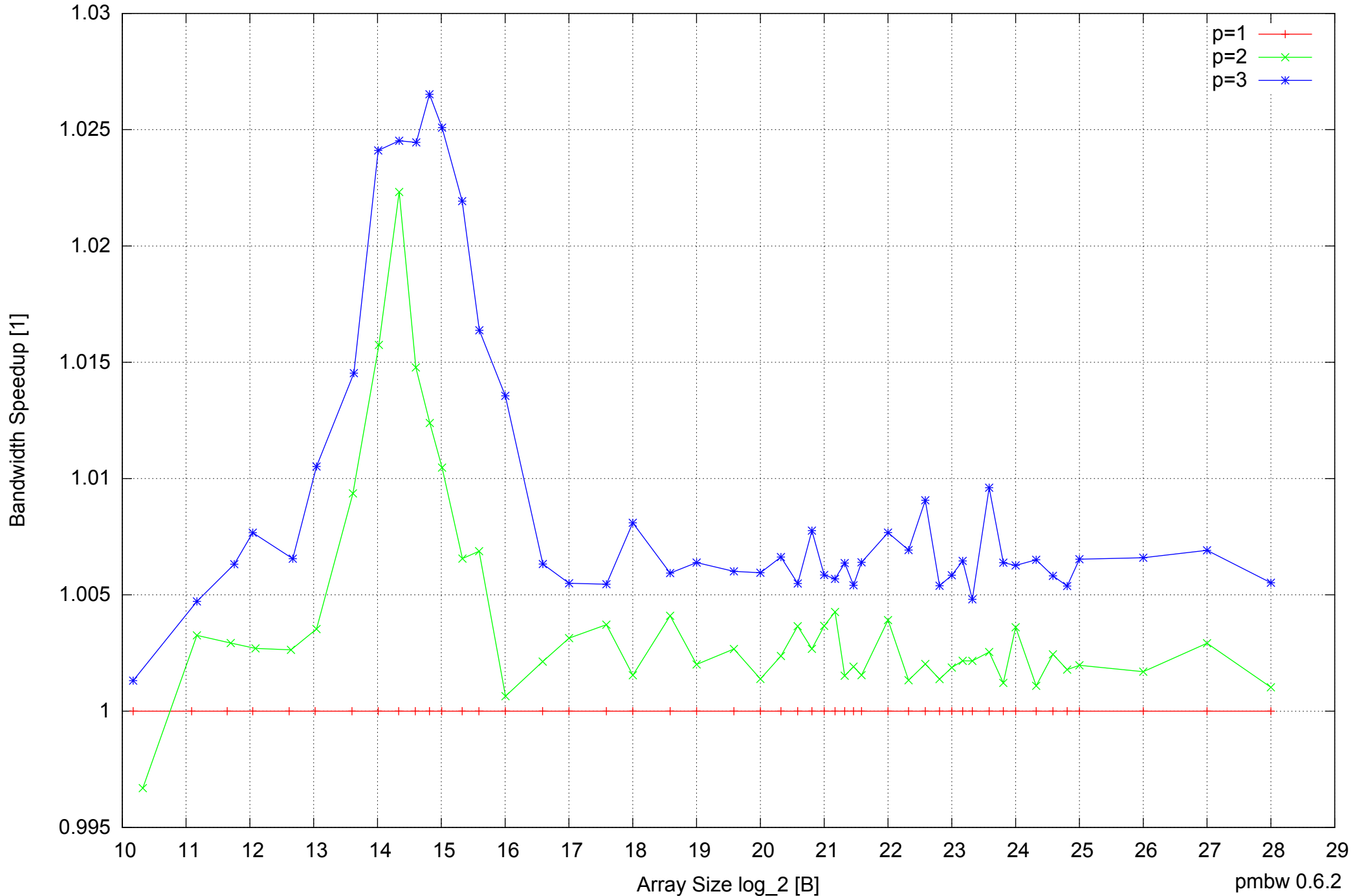
BeagleBone Black: AM335x 1GHz ARM Cortex-A8 512MB - Parallel Memory Bandwidth - ScanWrite64PtrUnrollLoop



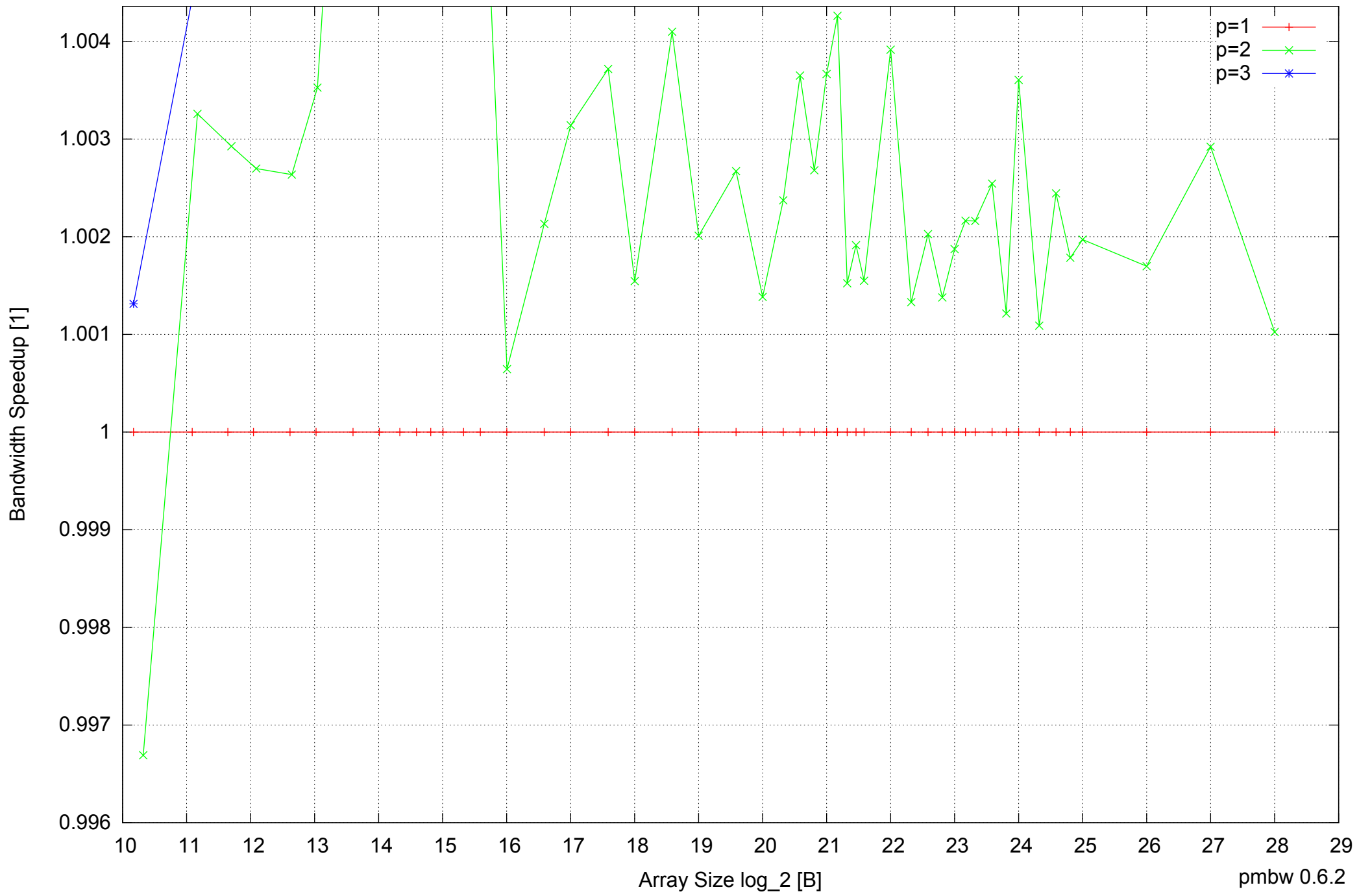
BeagleBone Black: AM335x 1GHz ARM Cortex-A8 512MB - Parallel Memory Access Time - ScanWrite64PtrUnrollLoop



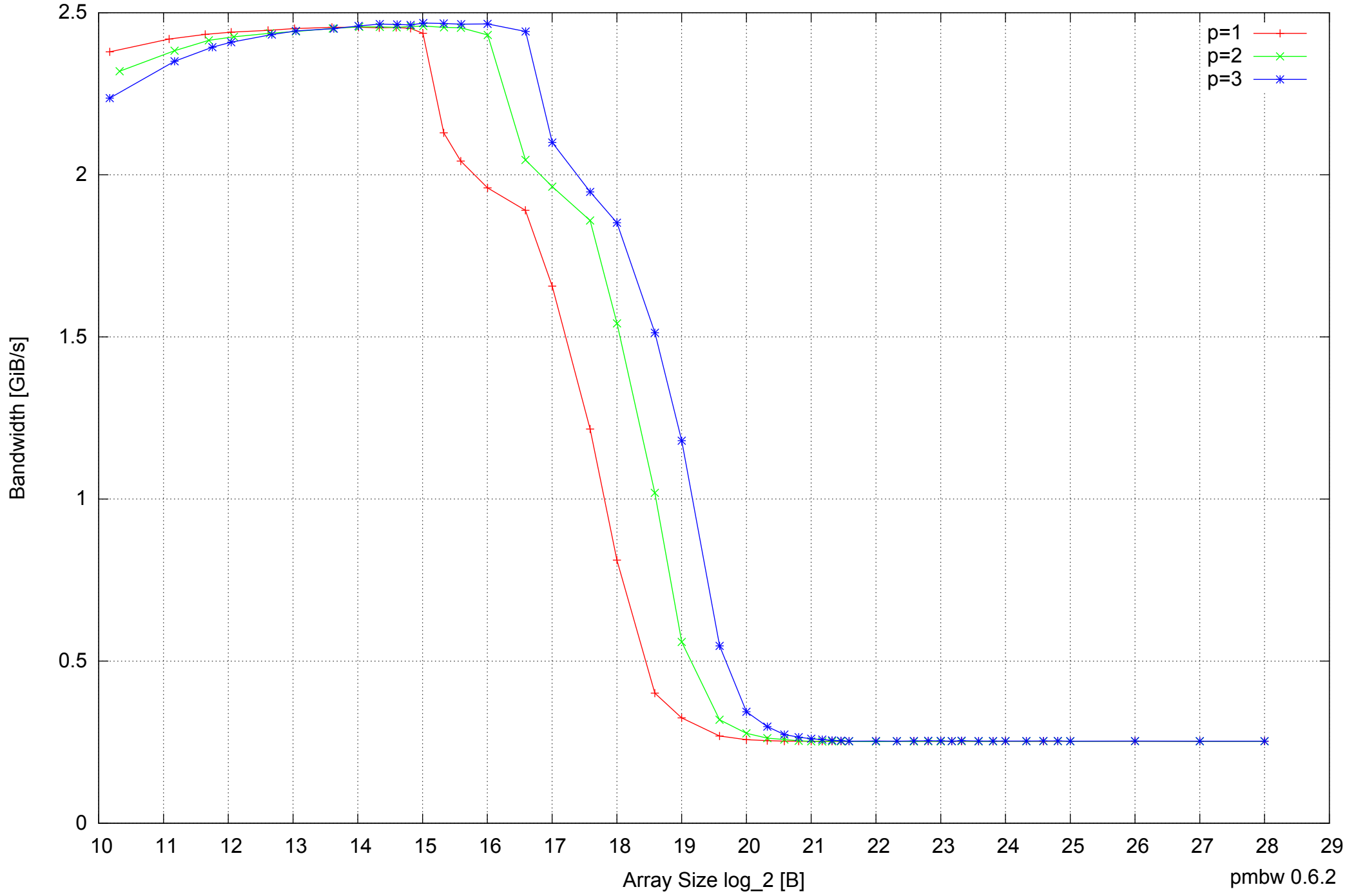
BeagleBone Black: AM335x 1GHz ARM Cortex-A8 512MB - Speedup of Parallel Memory Bandwidth - ScanWrite64PtrUnrollLoop



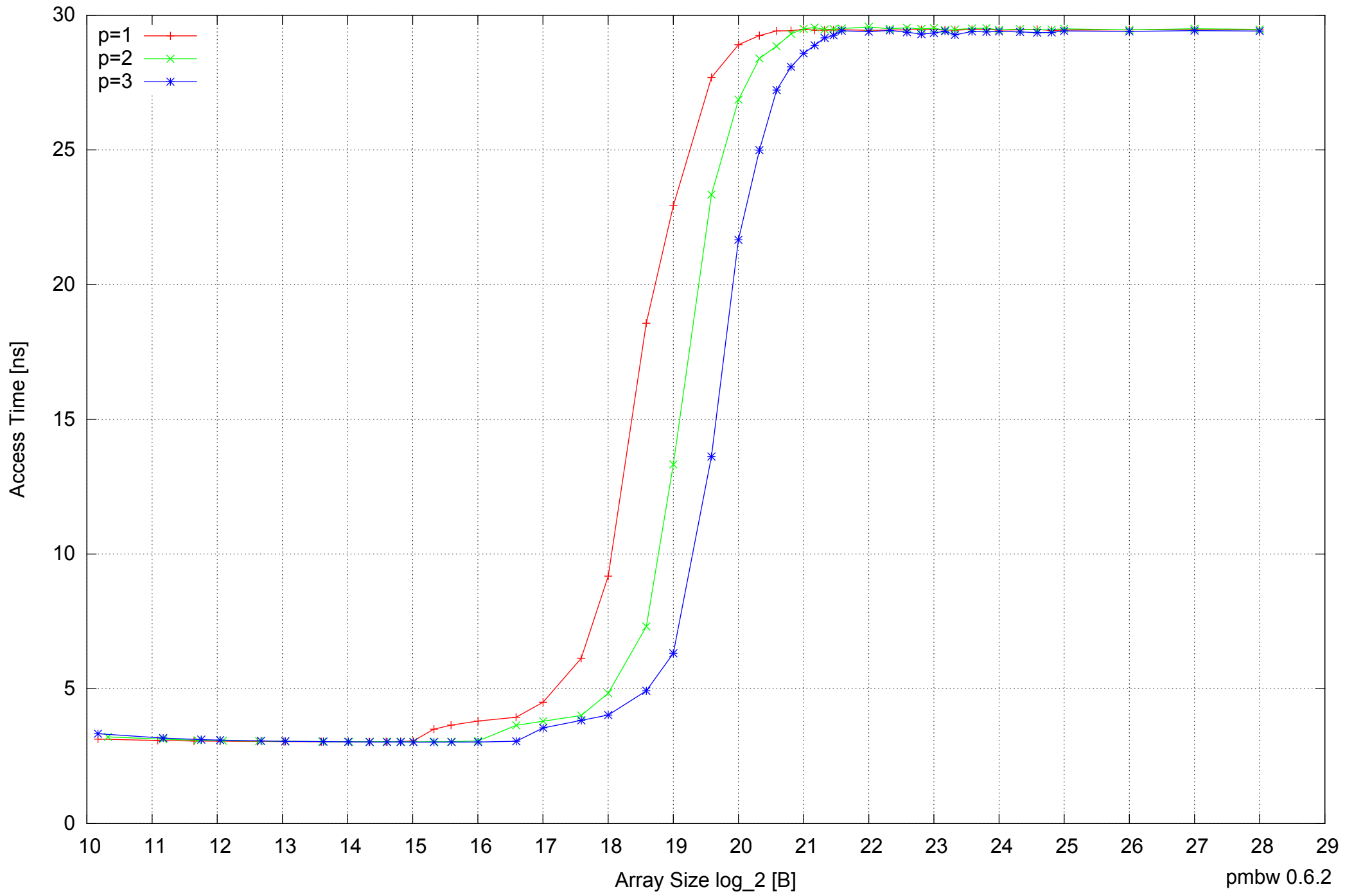
BeagleBone Black: AM335x 1GHz ARM Cortex-A8 512MB - Speedup of Parallel Memory Bandwidth (enlarged) - ScanWrite64PtrUnrollLoop



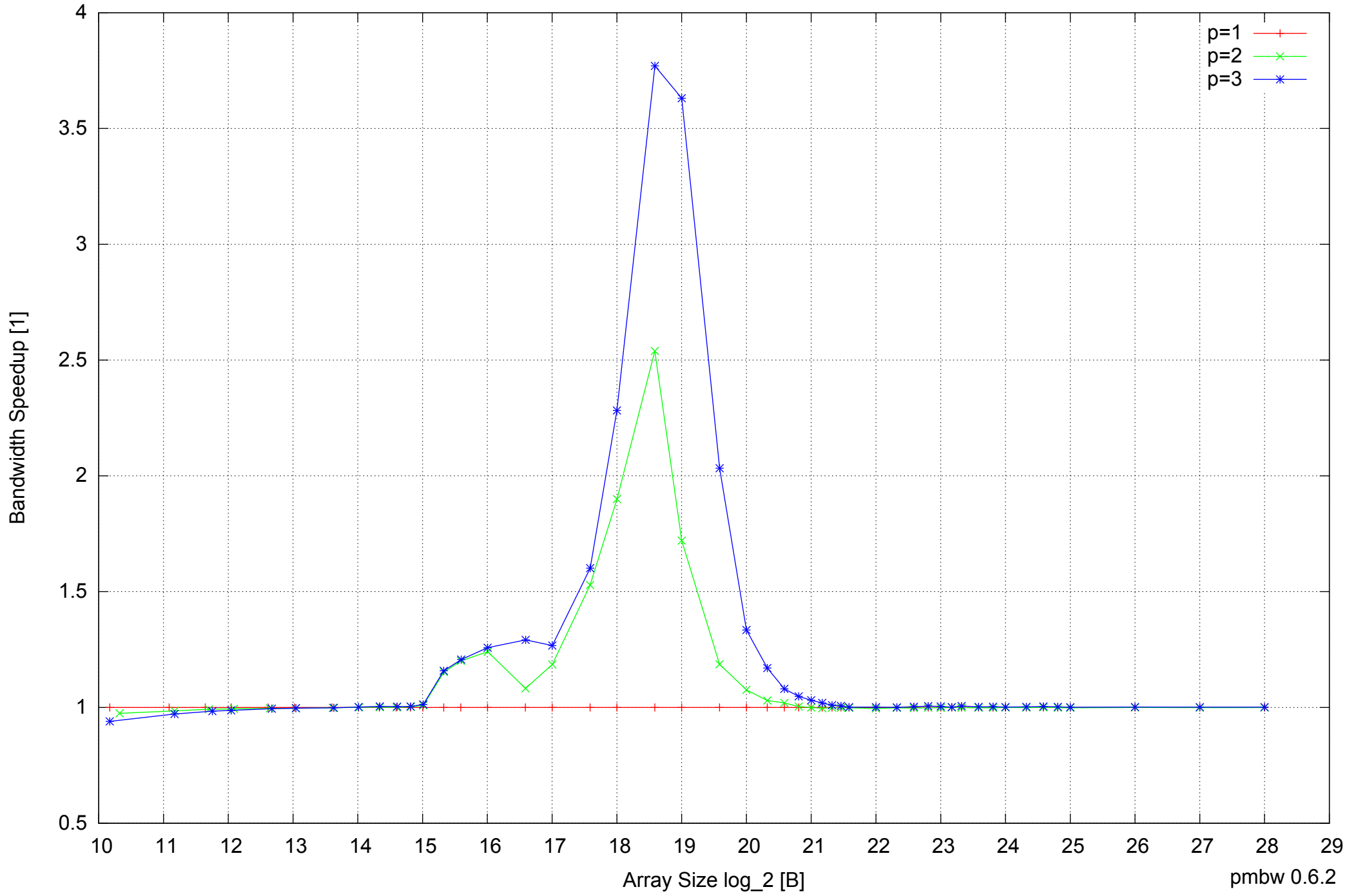
BeagleBone Black: AM335x 1GHz ARM Cortex-A8 512MB - Parallel Memory Bandwidth - ScanRead64PtrSimpleLoop

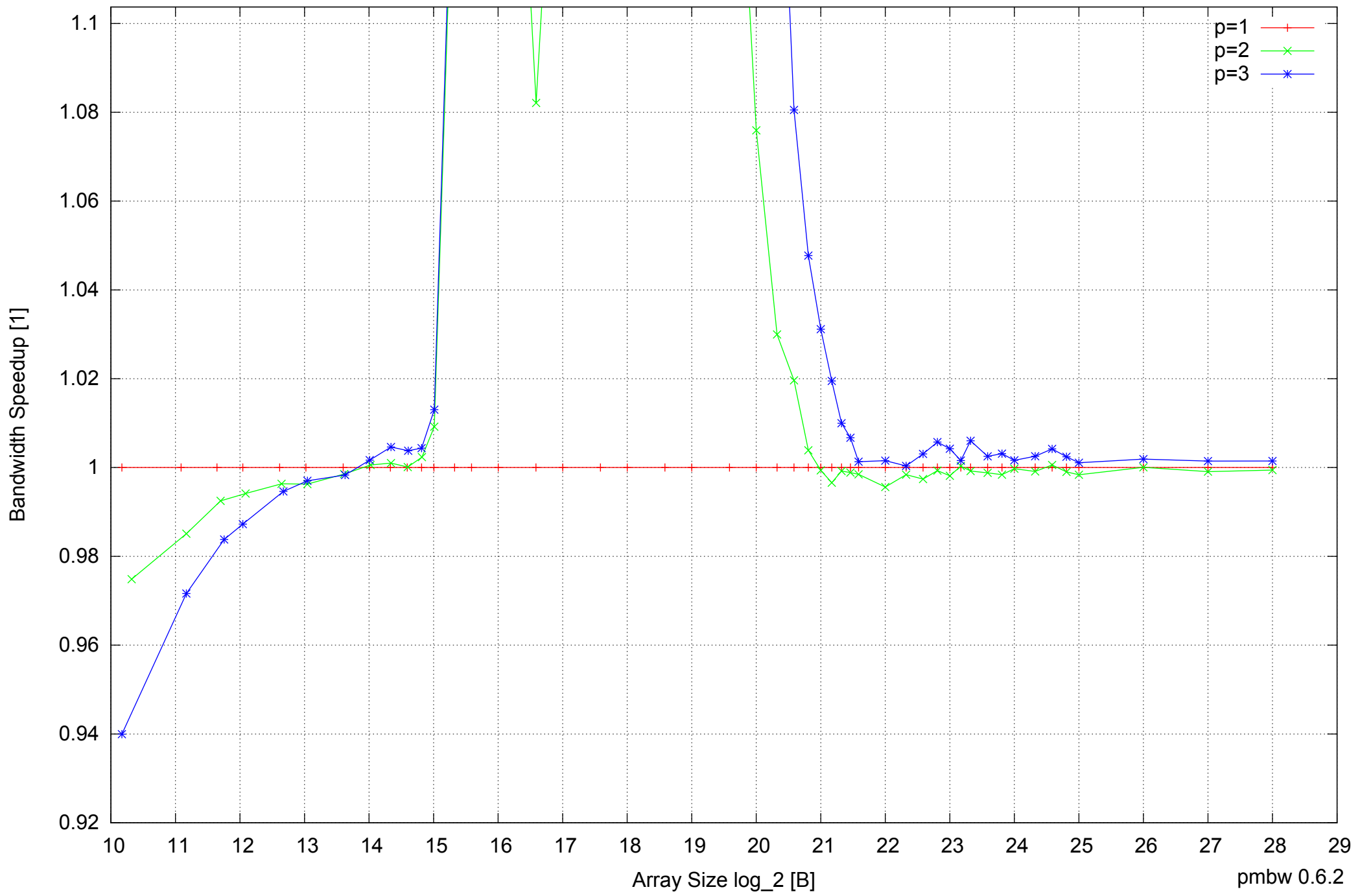


BeagleBone Black: AM335x 1GHz ARM Cortex-A8 512MB - Parallel Memory Access Time - ScanRead64PtrSimpleLoop



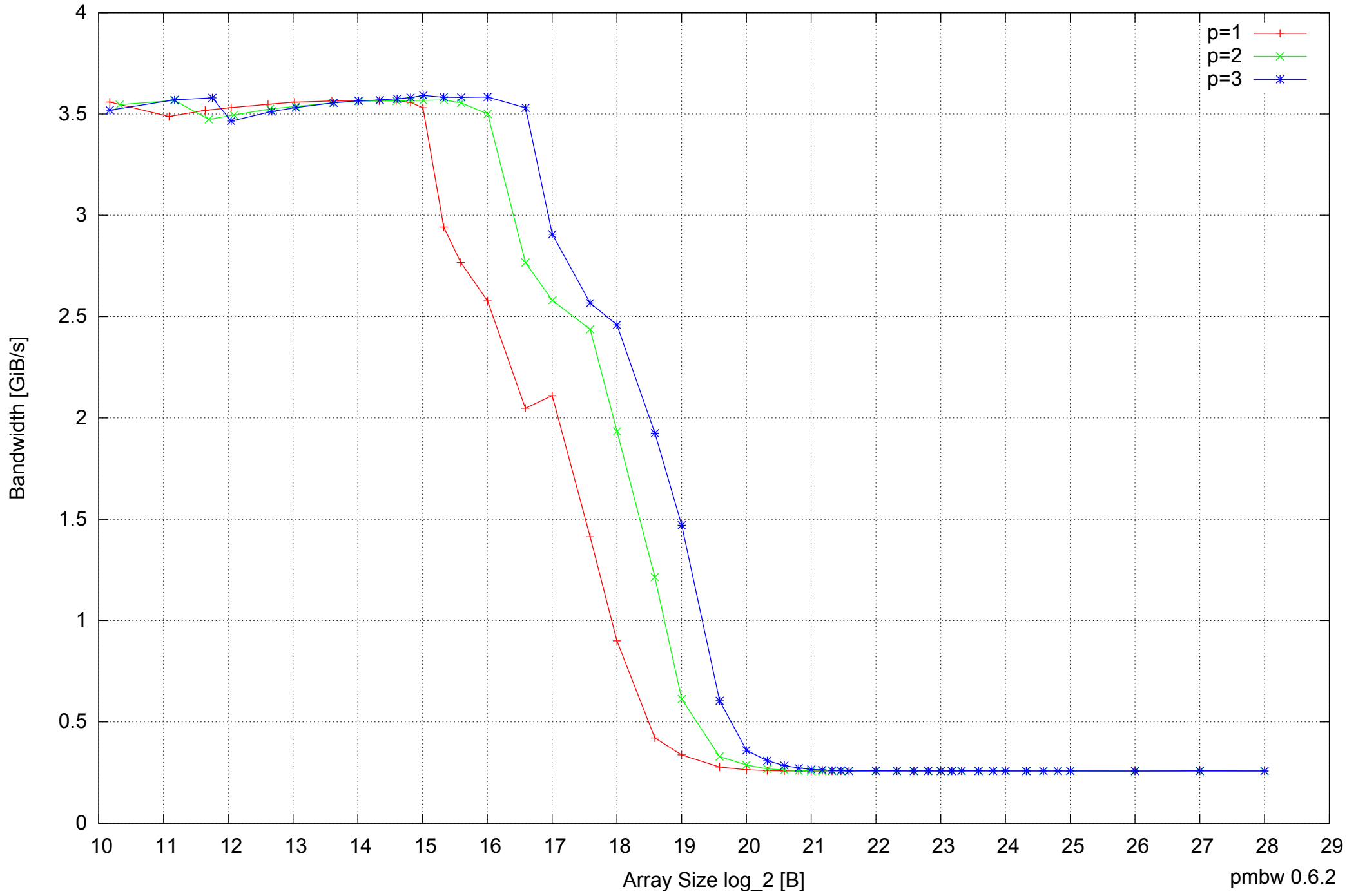
BeagleBone Black: AM335x 1GHz ARM Cortex-A8 512MB - Speedup of Parallel Memory Bandwidth - ScanRead64PtrSimpleLoop



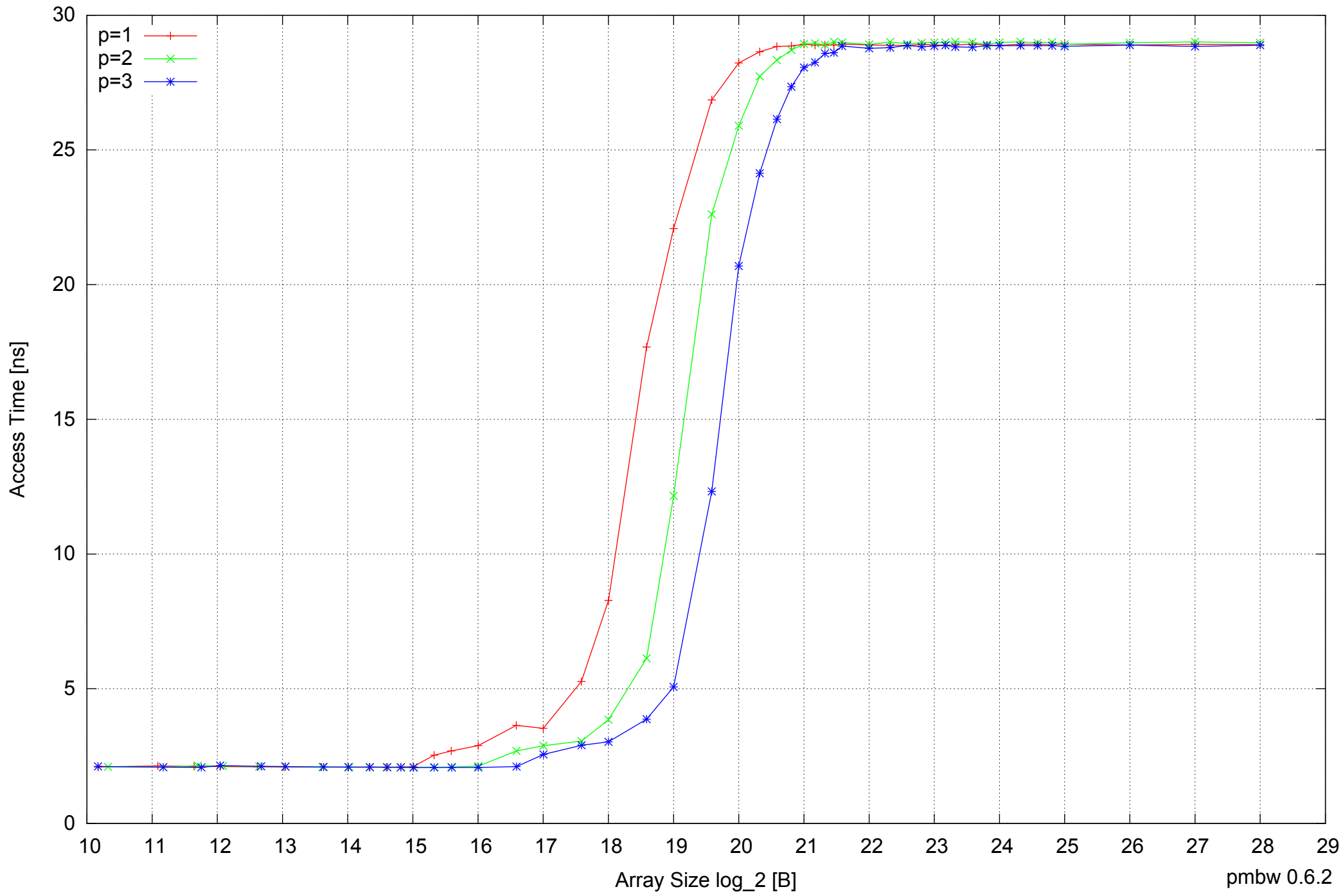




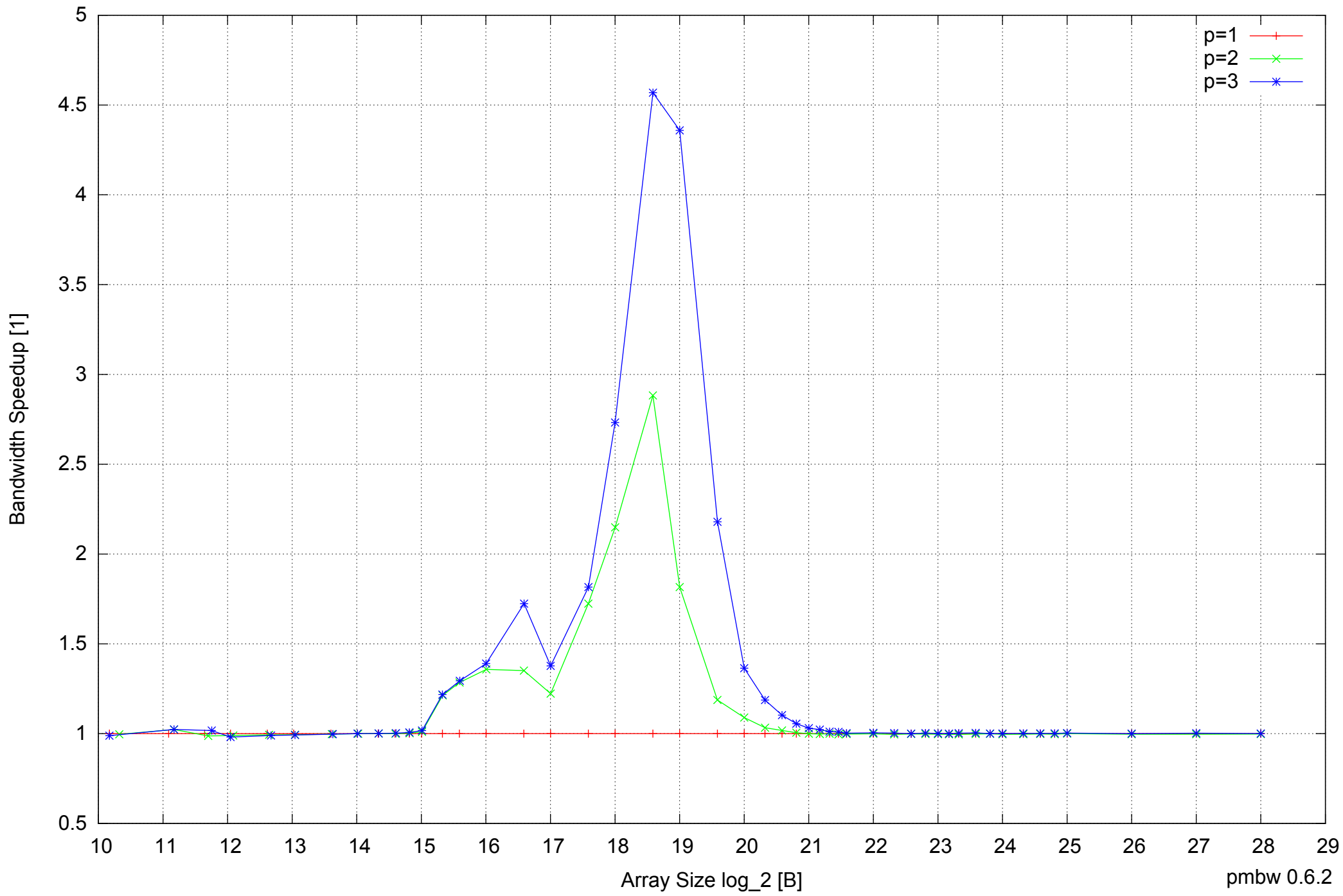
BeagleBone Black: AM335x 1GHz ARM Cortex-A8 512MB - Parallel Memory Bandwidth - ScanRead64PtrUnrollLoop



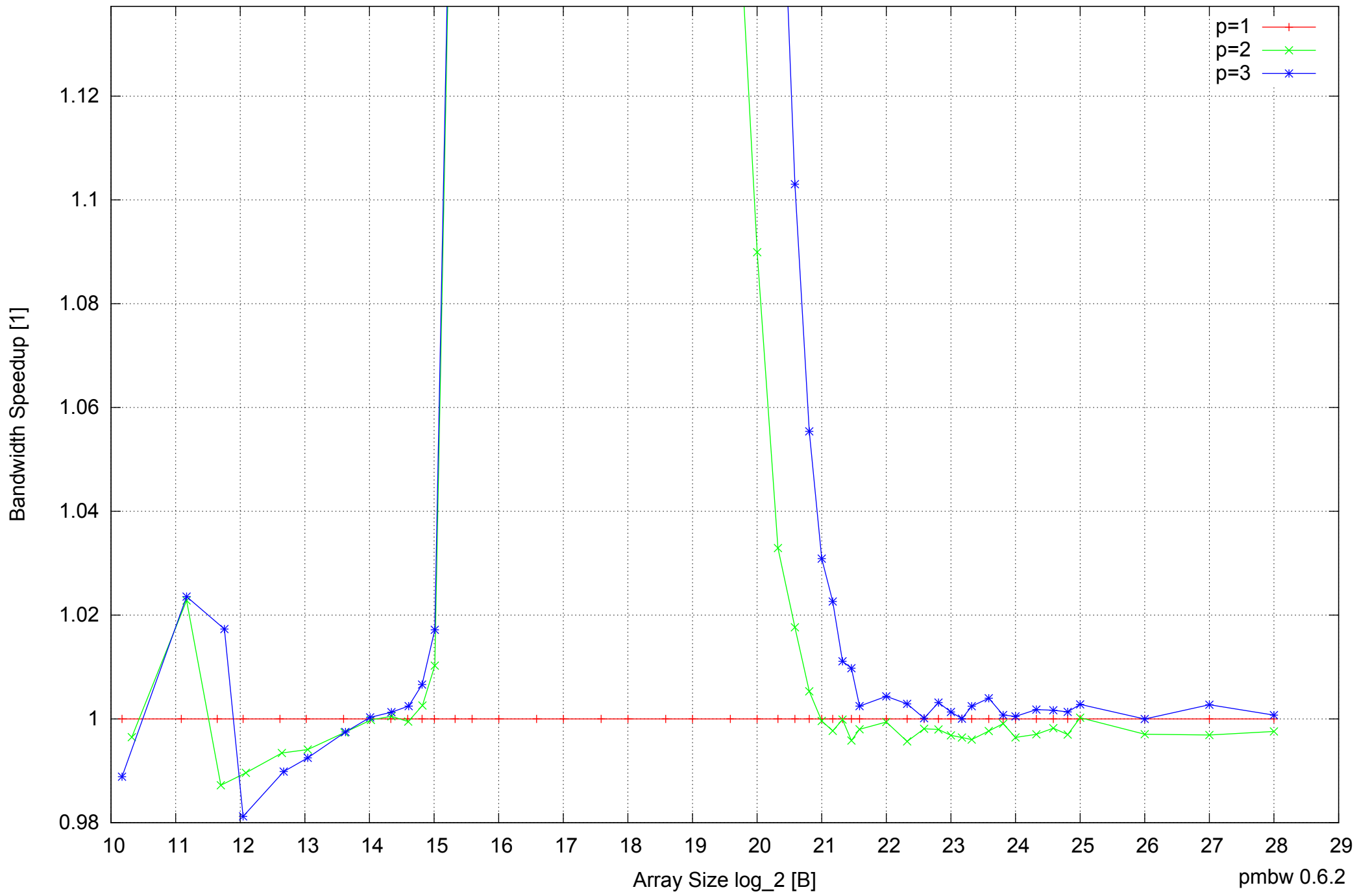
BeagleBone Black: AM335x 1GHz ARM Cortex-A8 512MB - Parallel Memory Access Time - ScanRead64PtrUnrollLoop



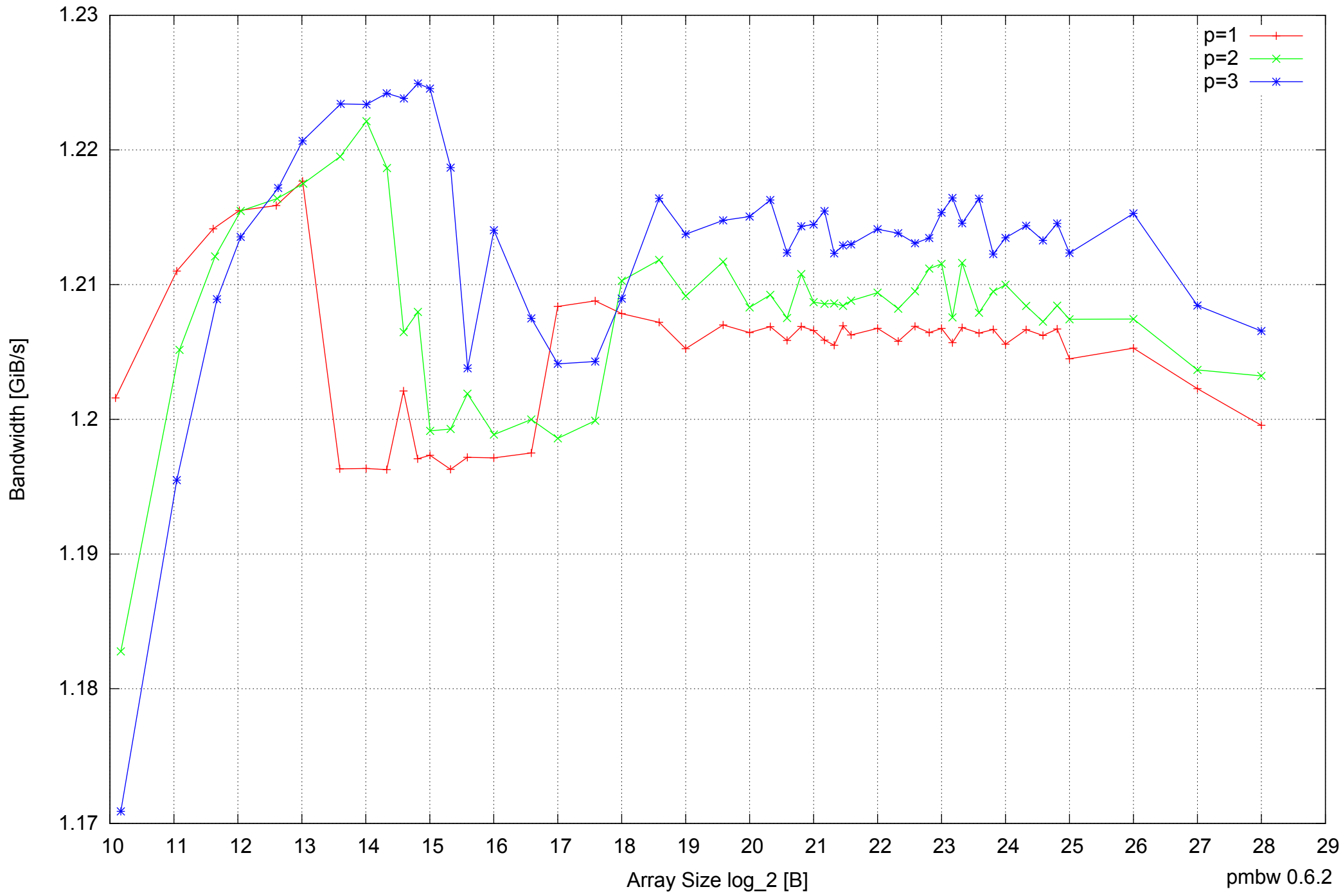
BeagleBone Black: AM335x 1GHz ARM Cortex-A8 512MB - Speedup of Parallel Memory Bandwidth - ScanRead64PtrUnrollLoop



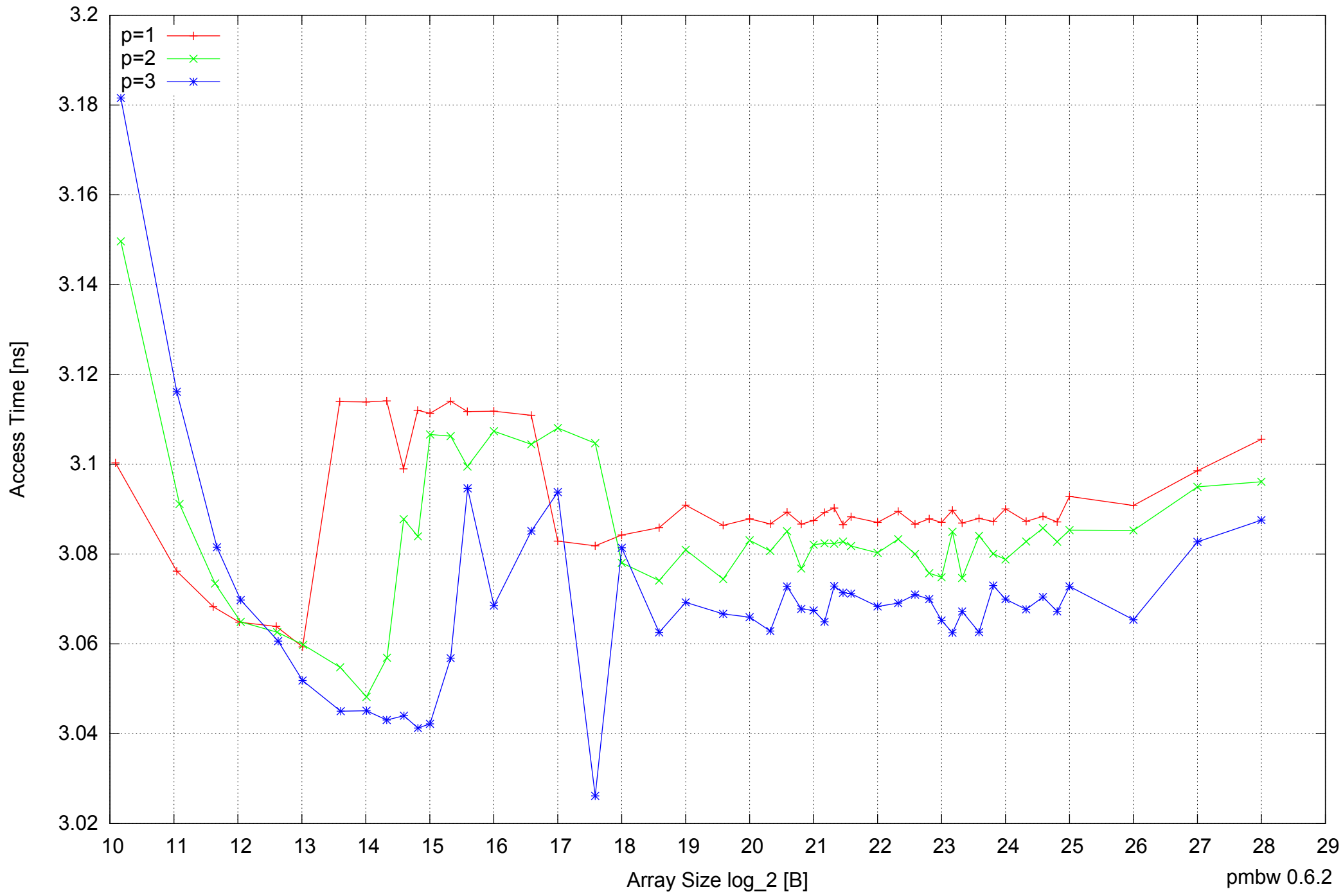
BeagleBone Black: AM335x 1GHz ARM Cortex-A8 512MB - Speedup of Parallel Memory Bandwidth (enlarged) - ScanRead64PtrUnrollLoop



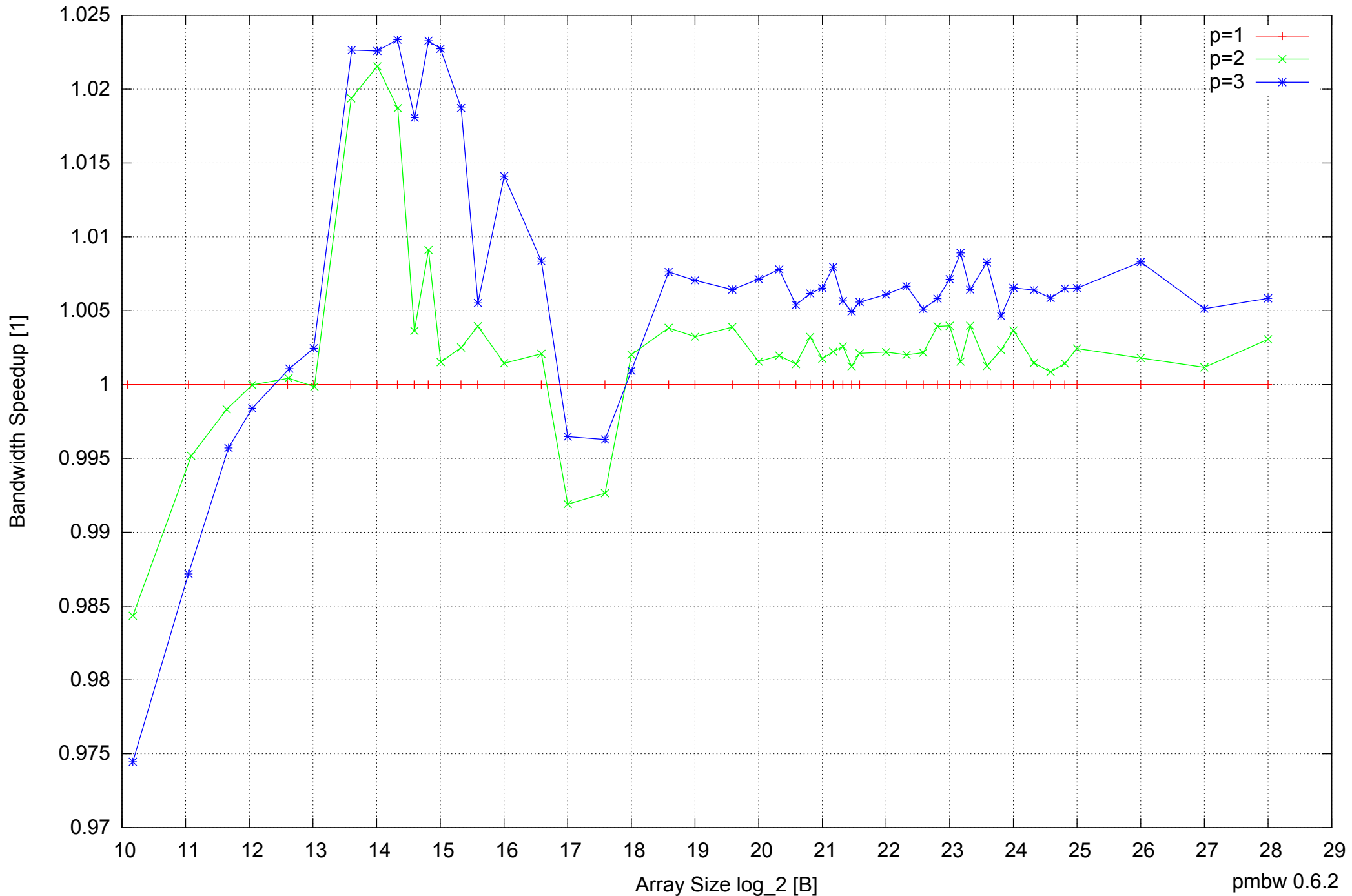
BeagleBone Black: AM335x 1GHz ARM Cortex-A8 512MB - Parallel Memory Bandwidth - ScanWrite32PtrSimpleLoop



BeagleBone Black: AM335x 1GHz ARM Cortex-A8 512MB - Parallel Memory Access Time - ScanWrite32PtrSimpleLoop



BeagleBone Black: AM335x 1GHz ARM Cortex-A8 512MB - Speedup of Parallel Memory Bandwidth - ScanWrite32PtrSimpleLoop

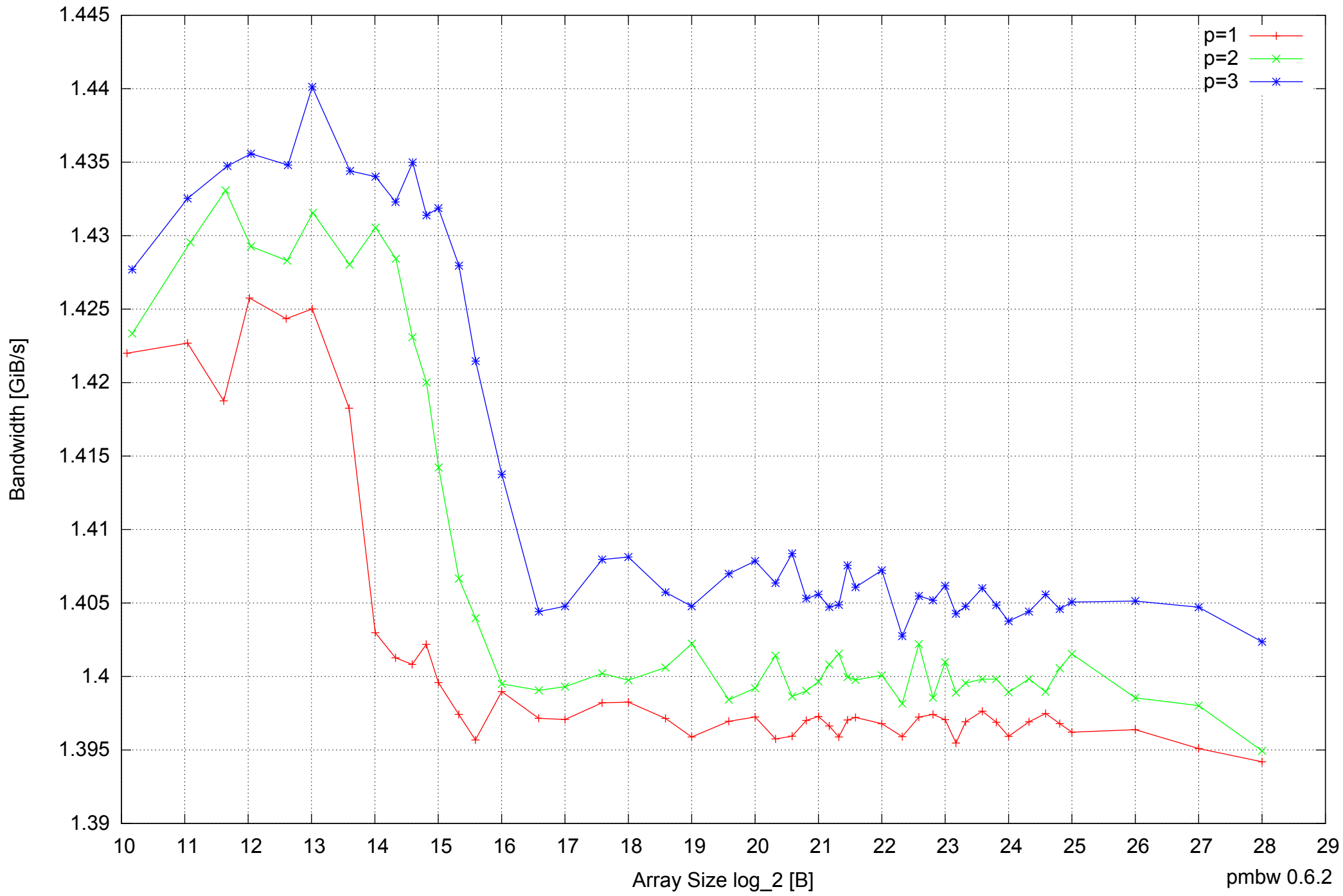


BeagleBone Black: AM335x 1GHz ARM Cortex-A8 512MB - Speedup of Parallel Memory Bandwidth (enlarged) - ScanWrite32PtrSimpleLoop

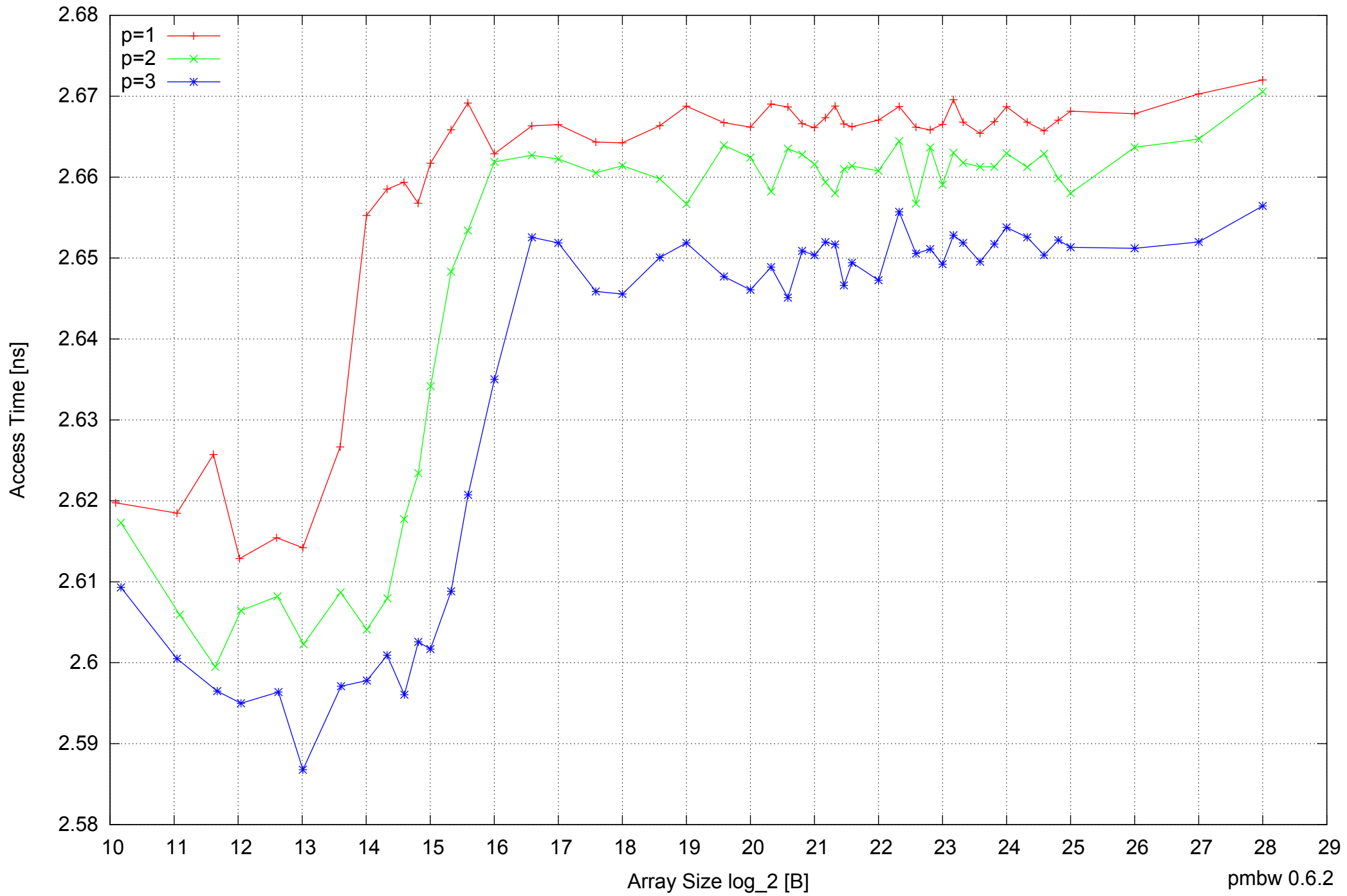




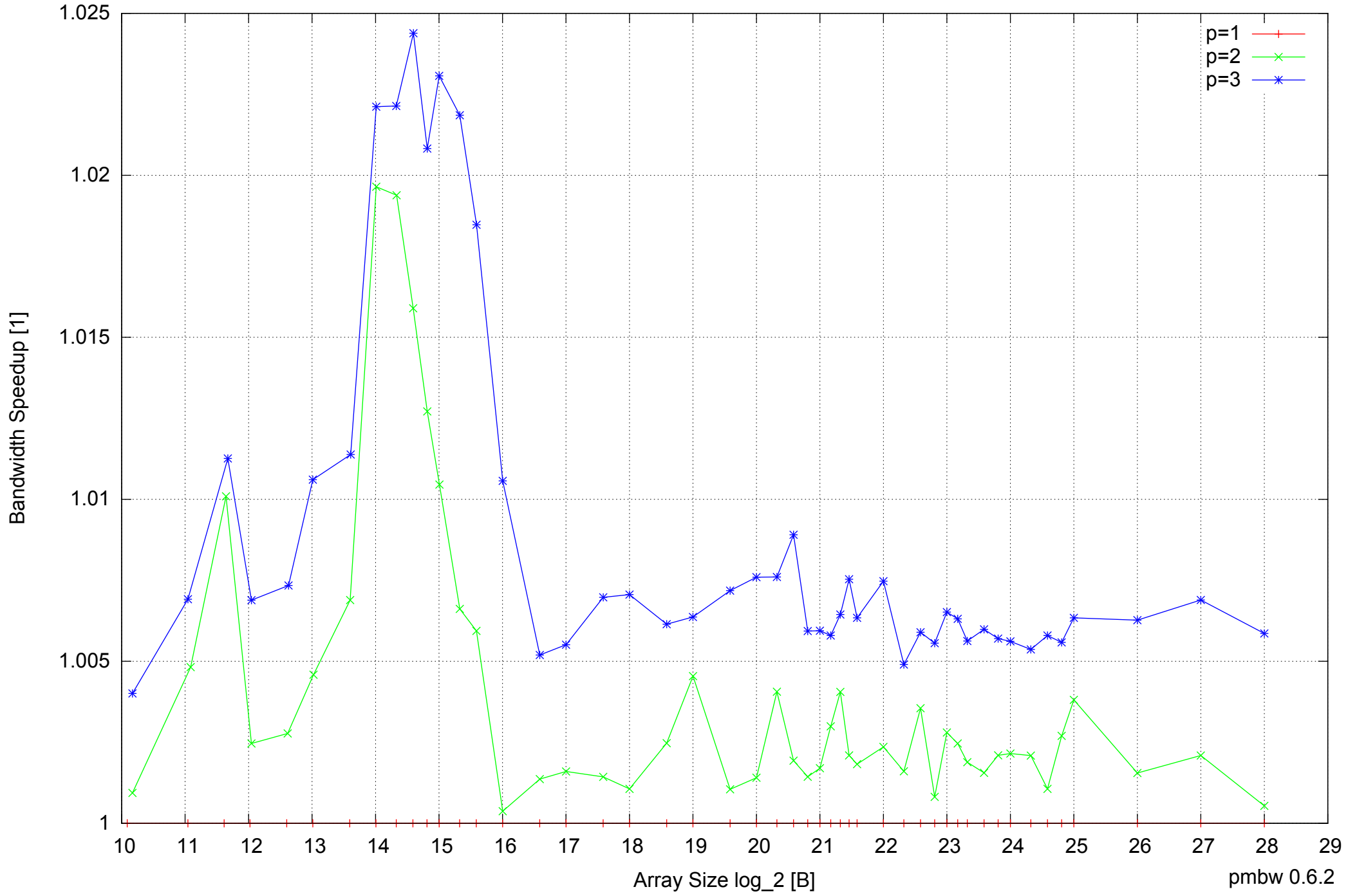
BeagleBone Black: AM335x 1GHz ARM Cortex-A8 512MB - Parallel Memory Bandwidth - ScanWrite32PtrUnrollLoop

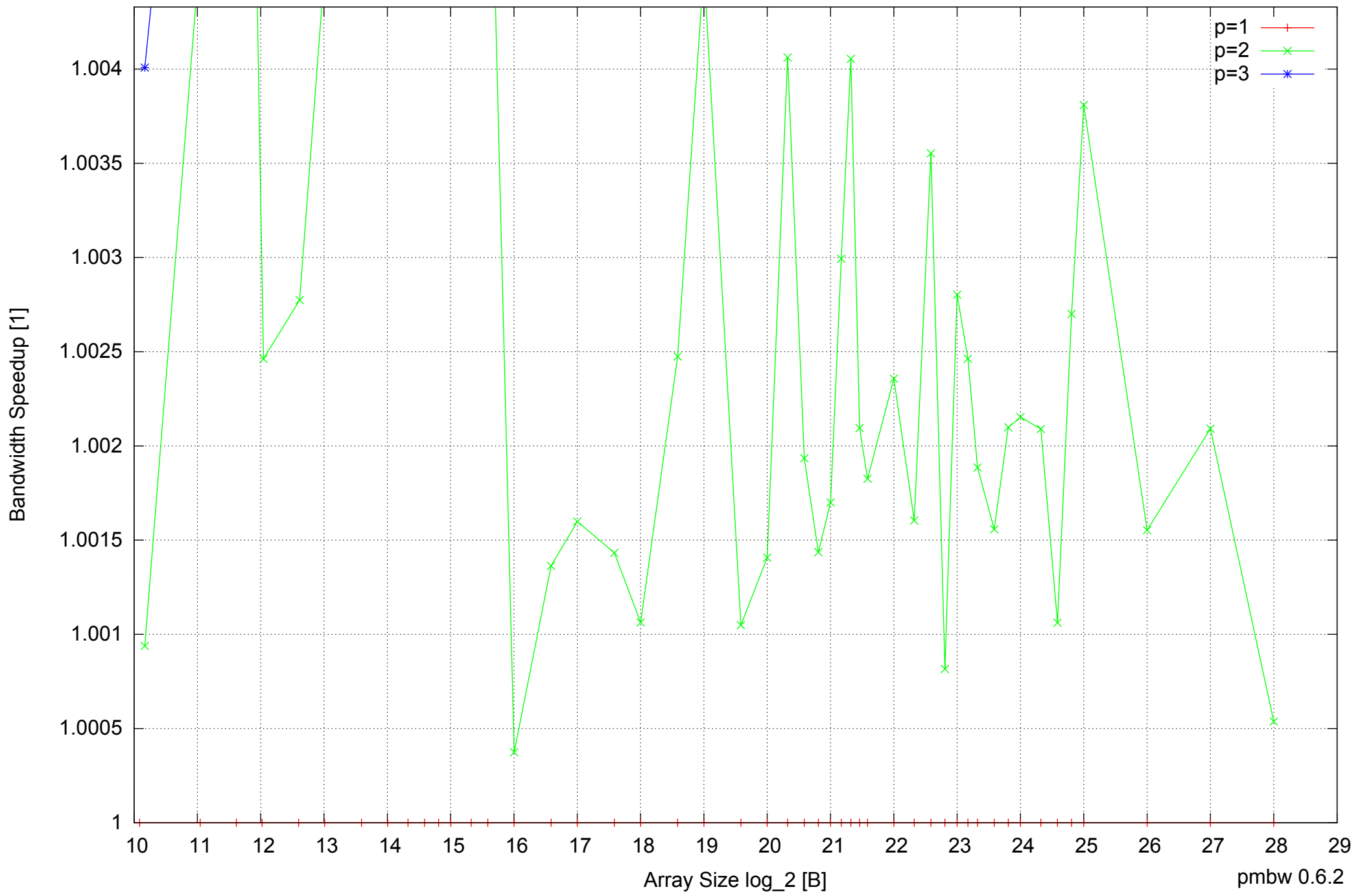


BeagleBone Black: AM335x 1GHz ARM Cortex-A8 512MB - Parallel Memory Access Time - ScanWrite32PtrUnrollLoop

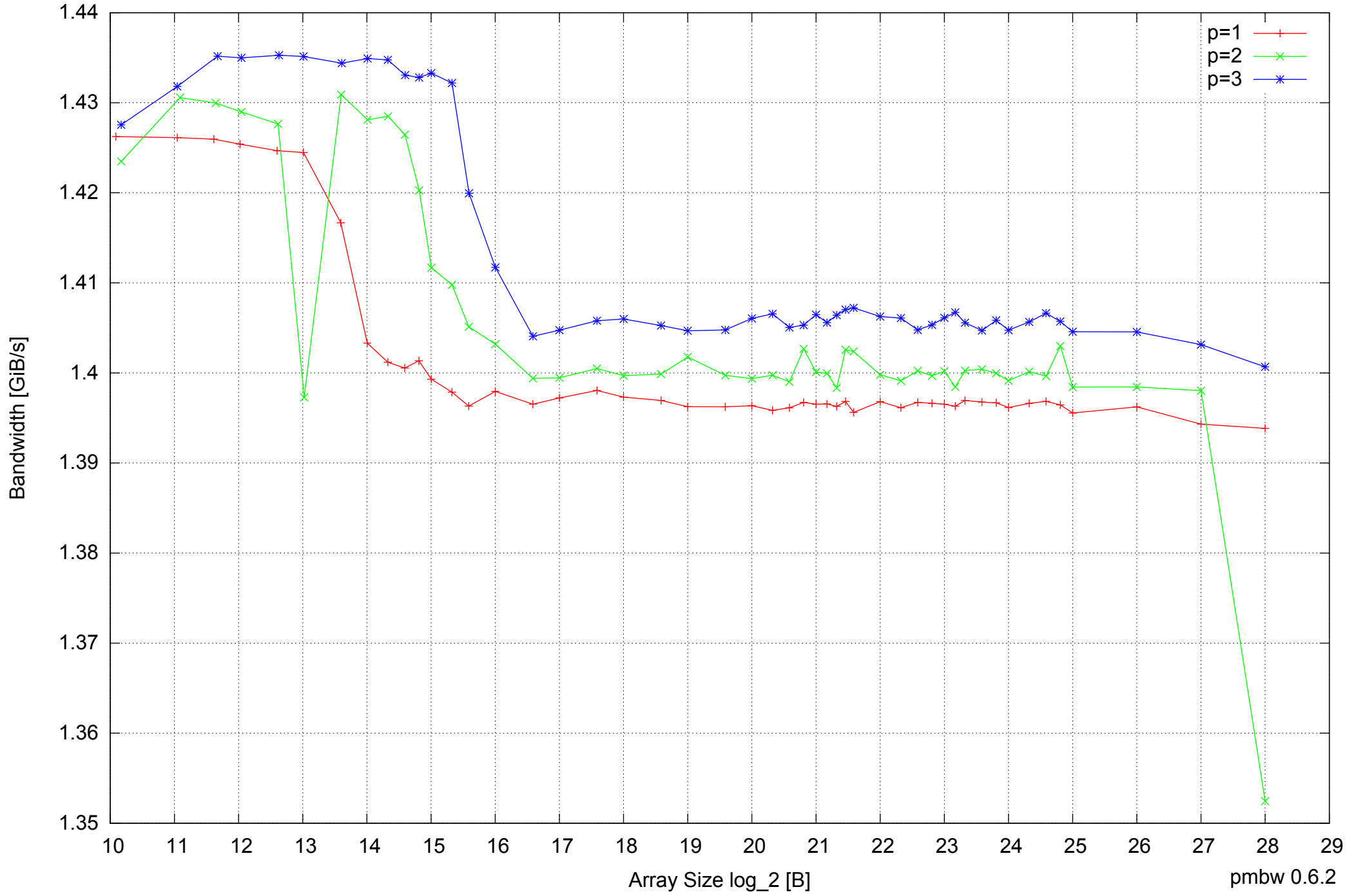


BeagleBone Black: AM335x 1GHz ARM Cortex-A8 512MB - Speedup of Parallel Memory Bandwidth - ScanWrite32PtrUnrollLoop

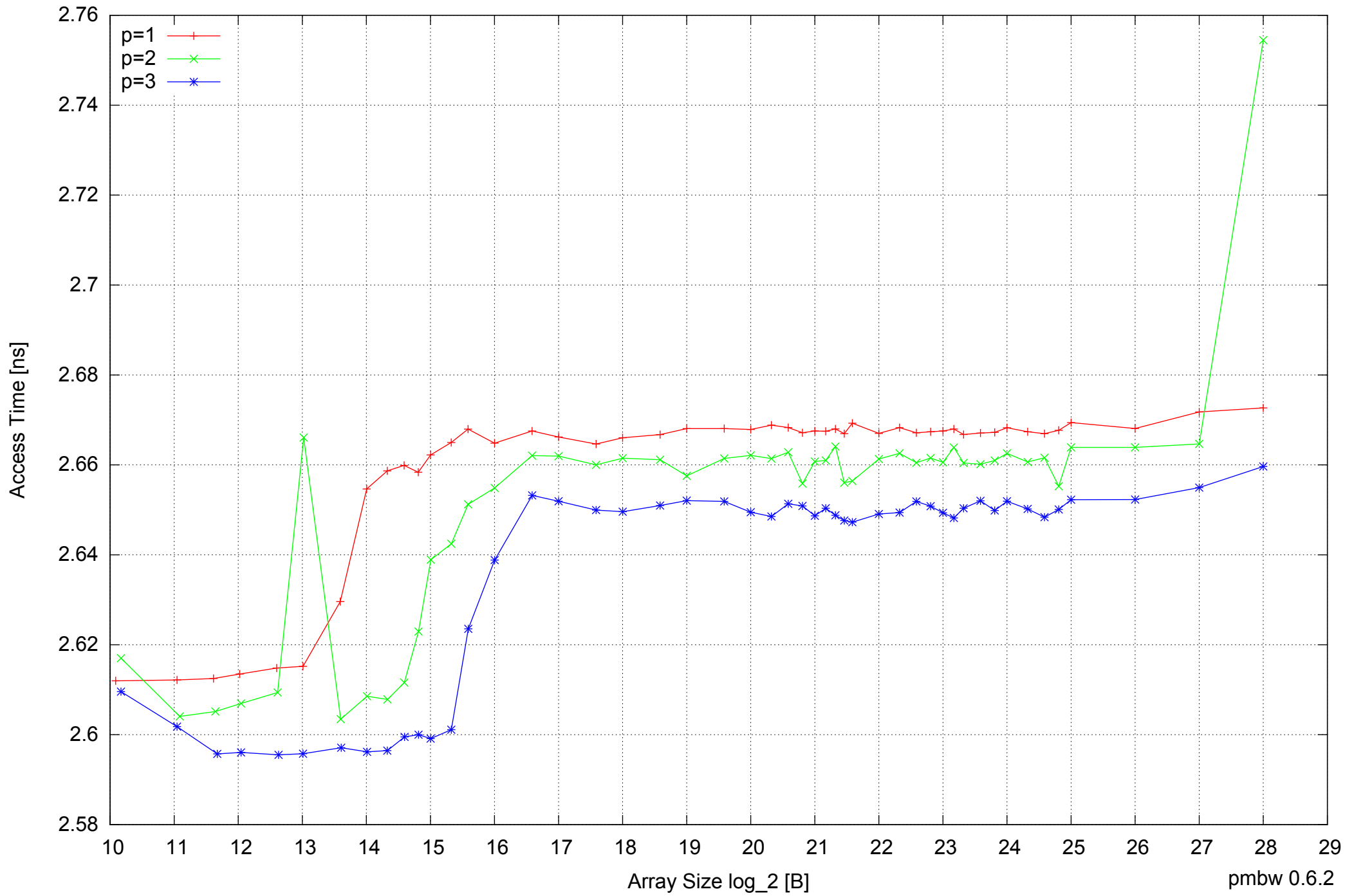




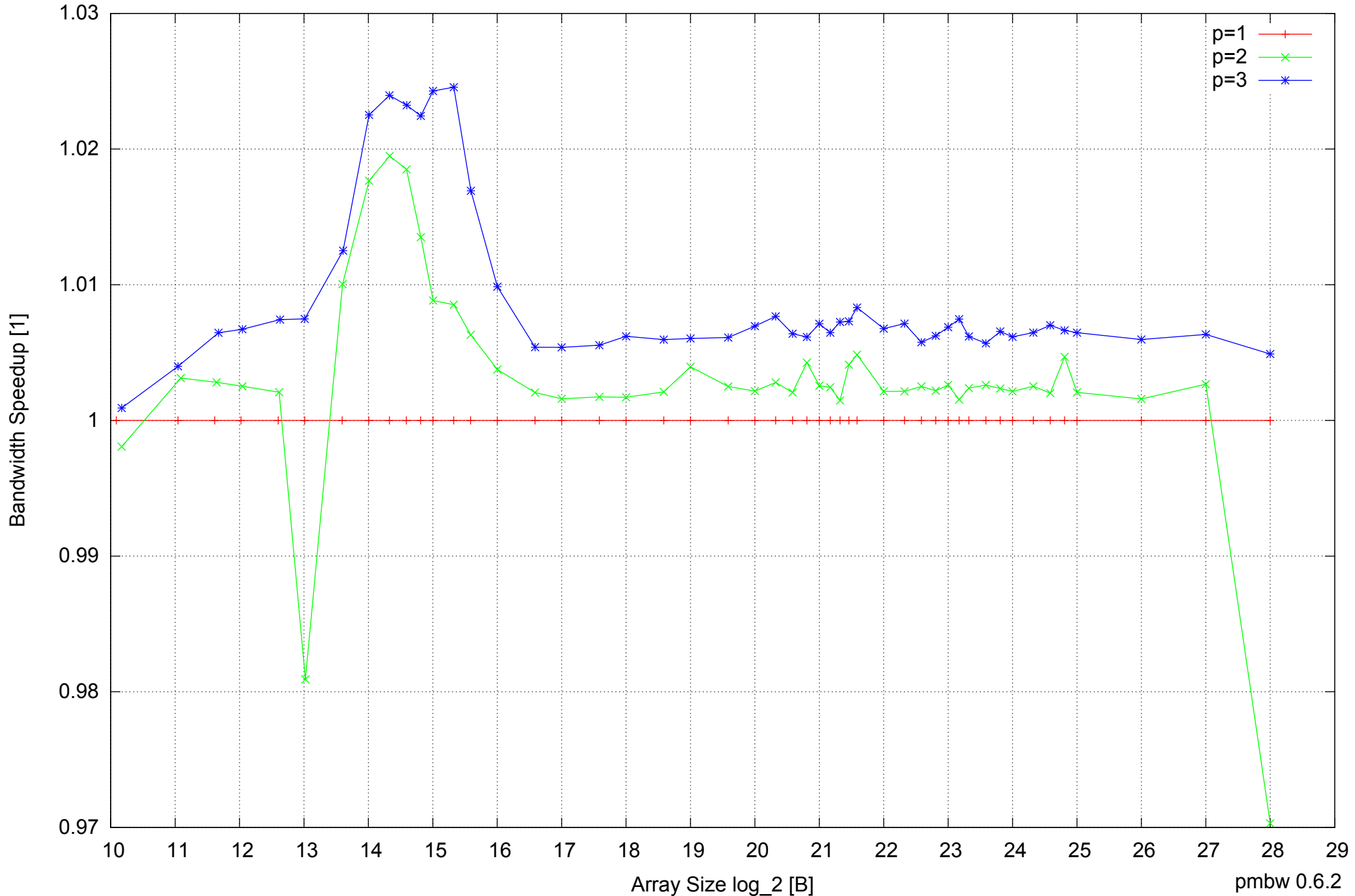
BeagleBone Black: AM335x 1GHz ARM Cortex-A8 512MB - Parallel Memory Bandwidth - ScanWrite32PtrMultiLoop



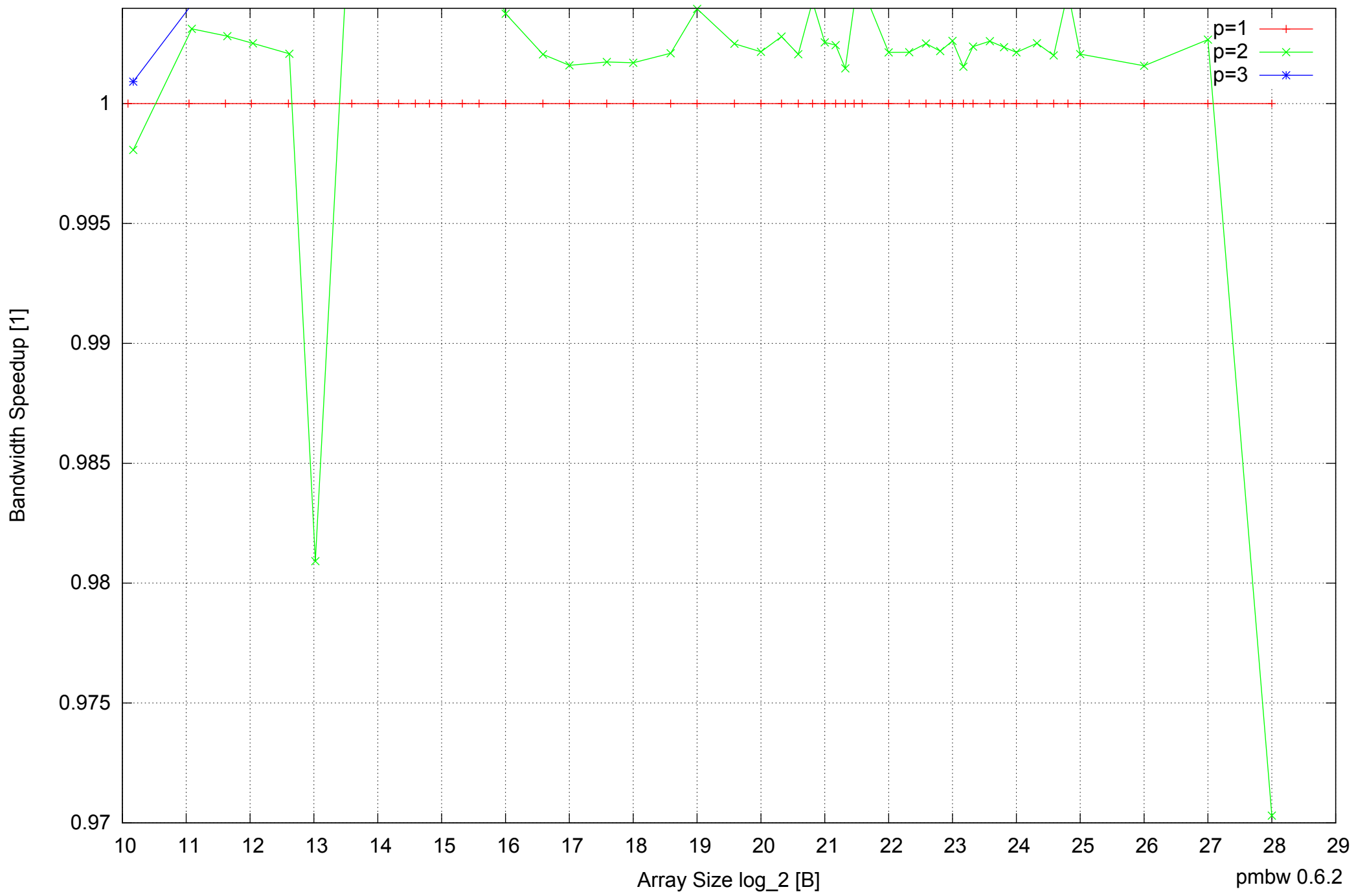
BeagleBone Black: AM335x 1GHz ARM Cortex-A8 512MB - Parallel Memory Access Time - ScanWrite32PtrMultiLoop



BeagleBone Black: AM335x 1GHz ARM Cortex-A8 512MB - Speedup of Parallel Memory Bandwidth - ScanWrite32PtrMultiLoop

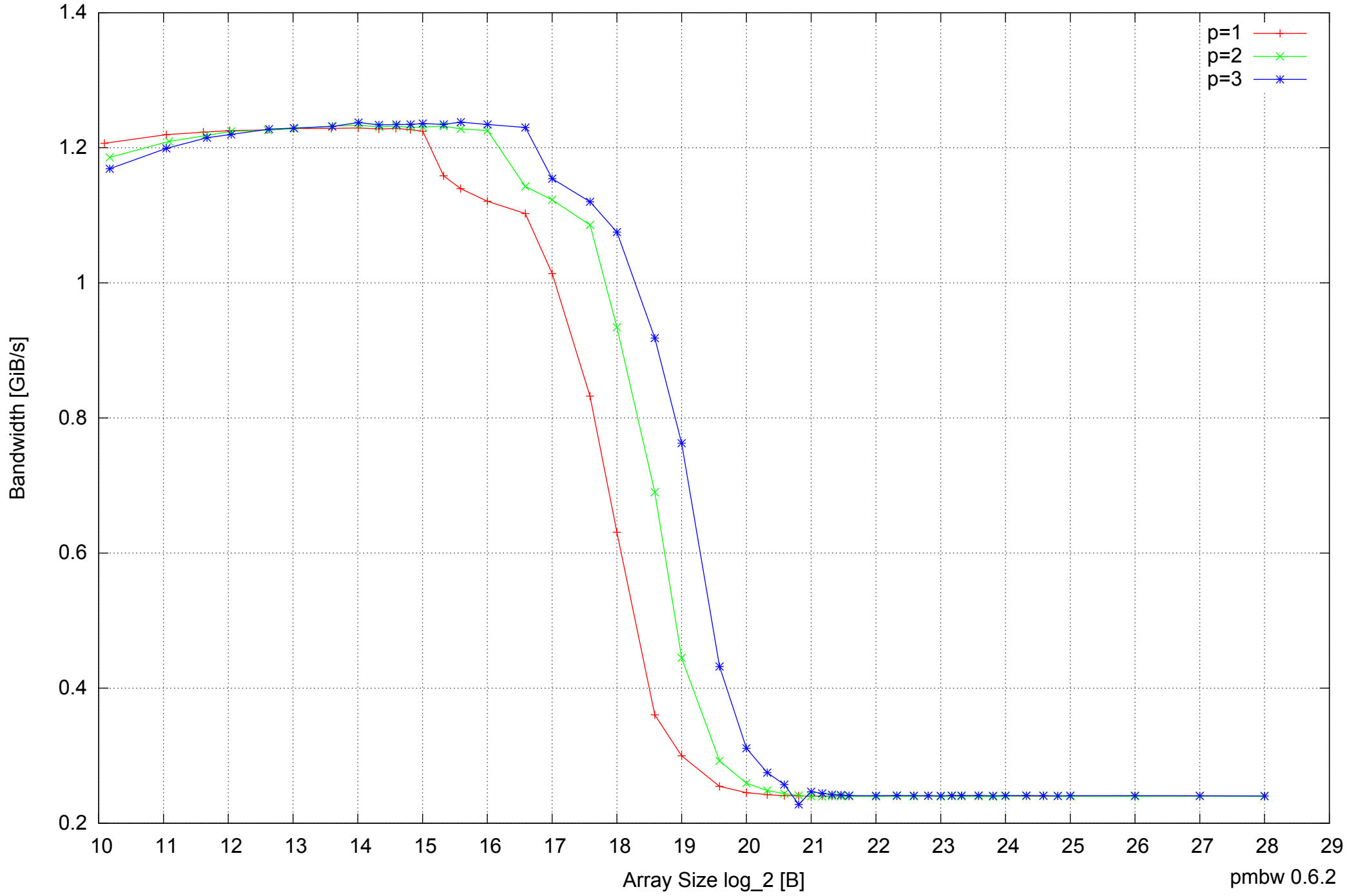


BeagleBone Black: AM335x 1GHz ARM Cortex-A8 512MB - Speedup of Parallel Memory Bandwidth (enlarged) - ScanWrite32PtrMultiLoop

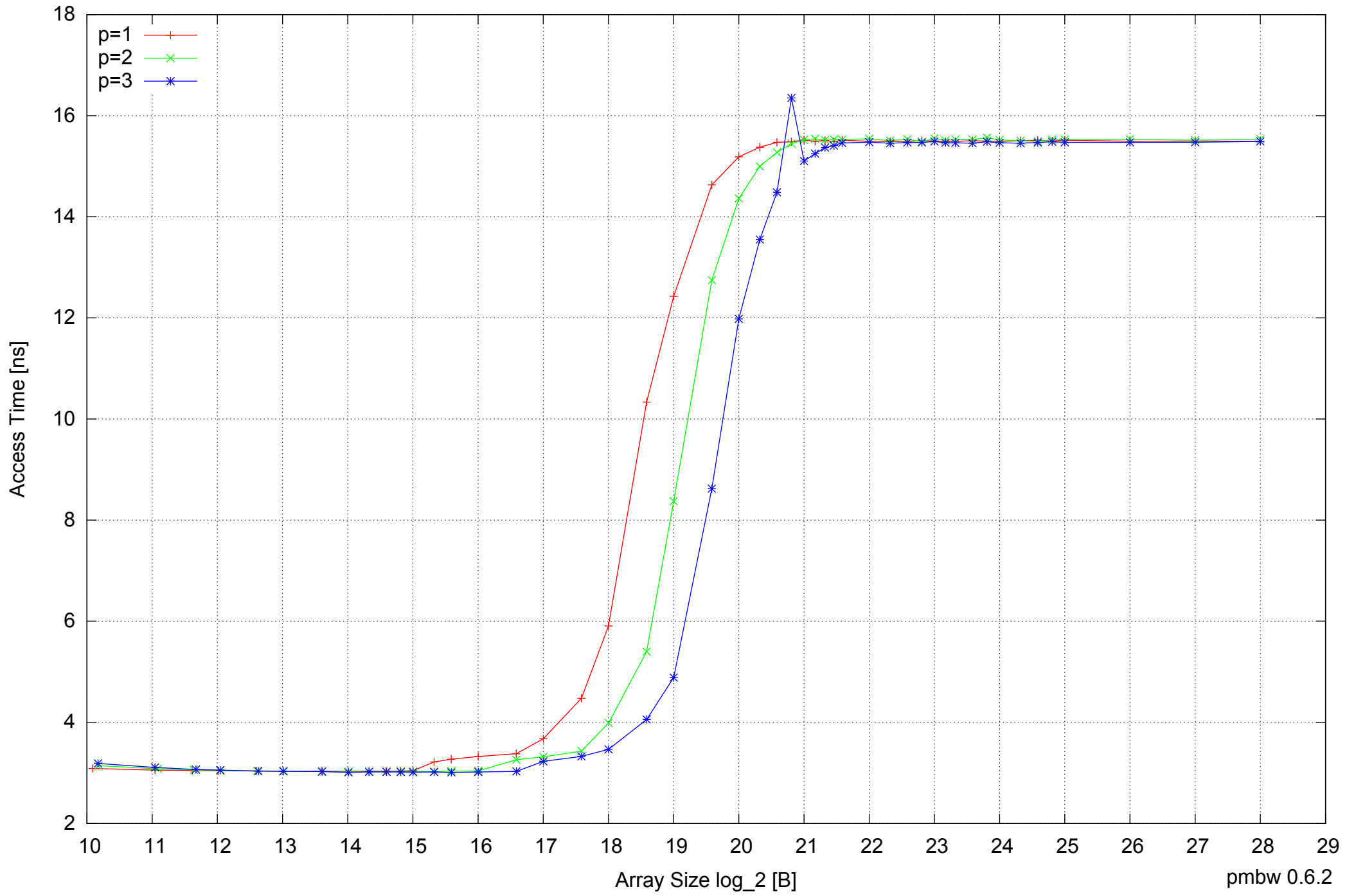




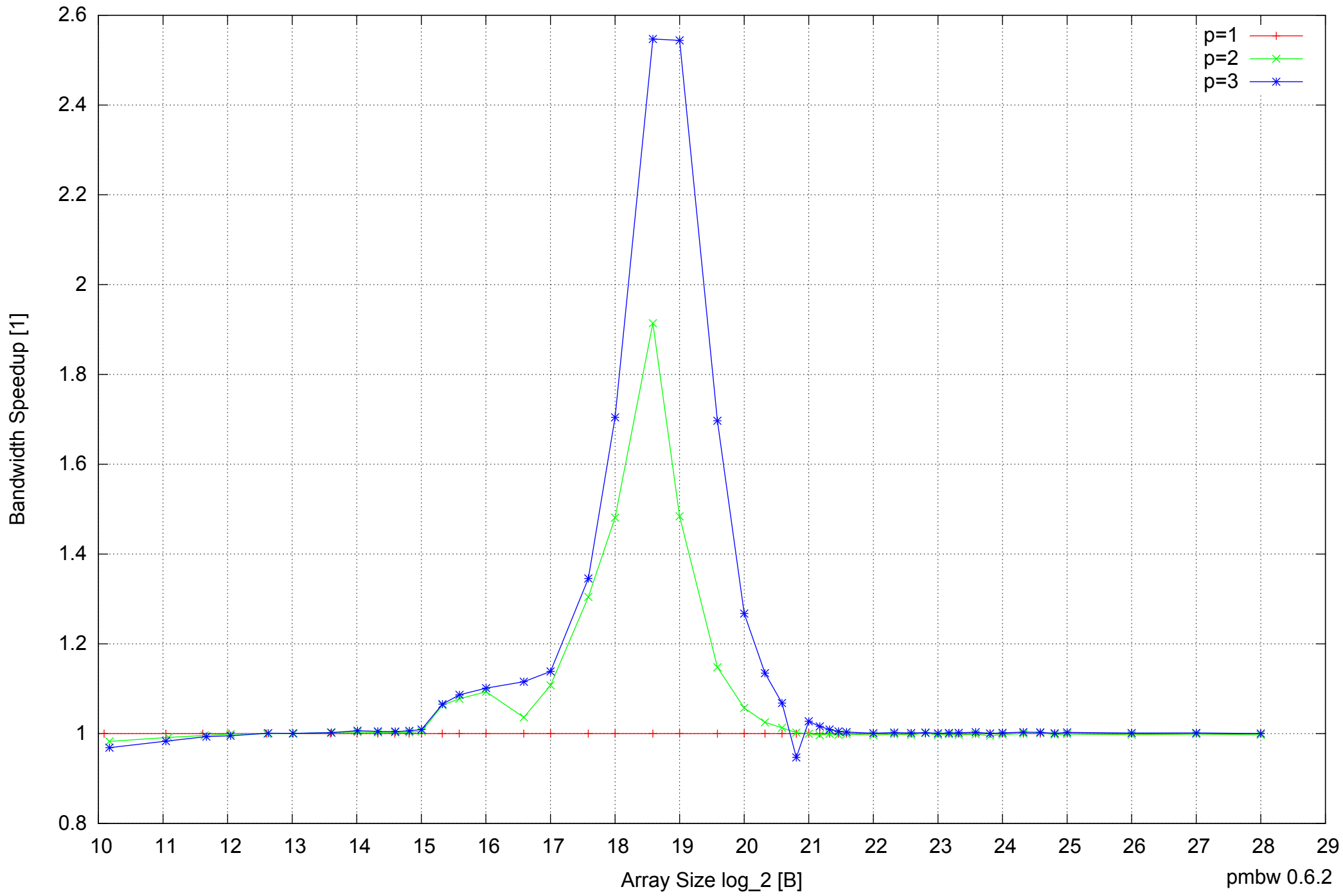
BeagleBone Black: AM335x 1GHz ARM Cortex-A8 512MB - Parallel Memory Bandwidth - ScanRead32PtrSimpleLoop

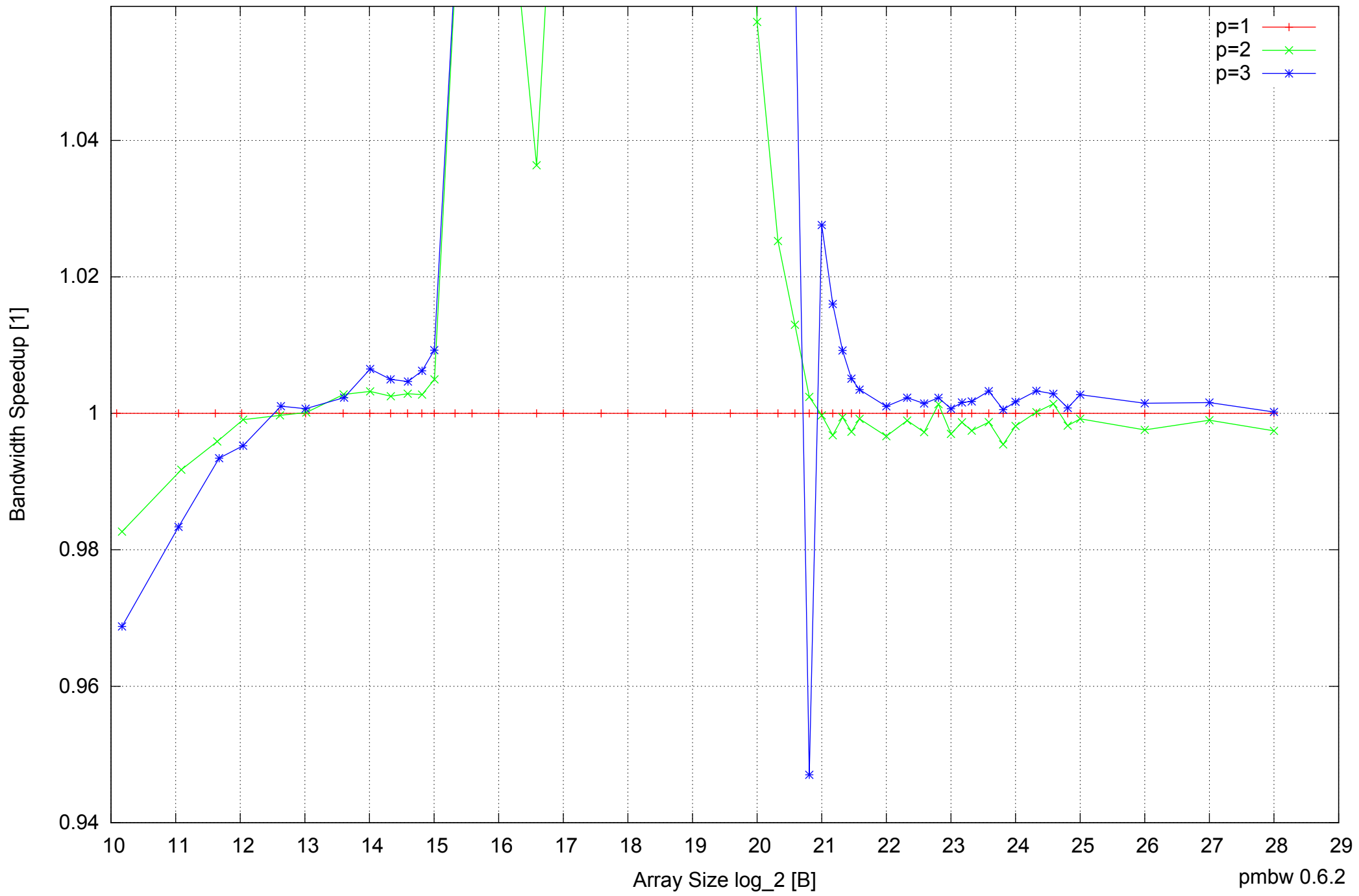


BeagleBone Black: AM335x 1GHz ARM Cortex-A8 512MB - Parallel Memory Access Time - ScanRead32PtrSimpleLoop

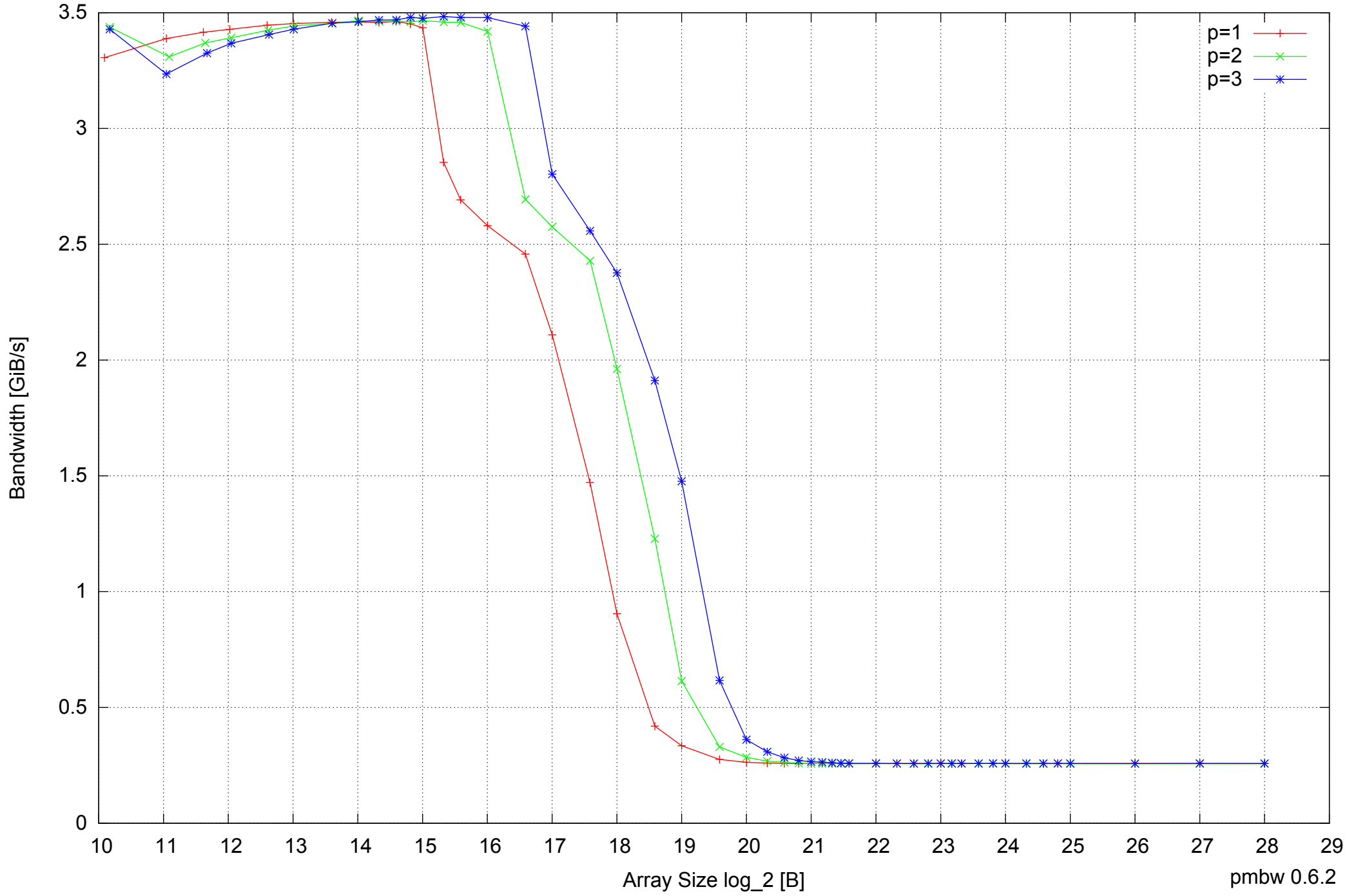


BeagleBone Black: AM335x 1GHz ARM Cortex-A8 512MB - Speedup of Parallel Memory Bandwidth - ScanRead32PtrSimpleLoop

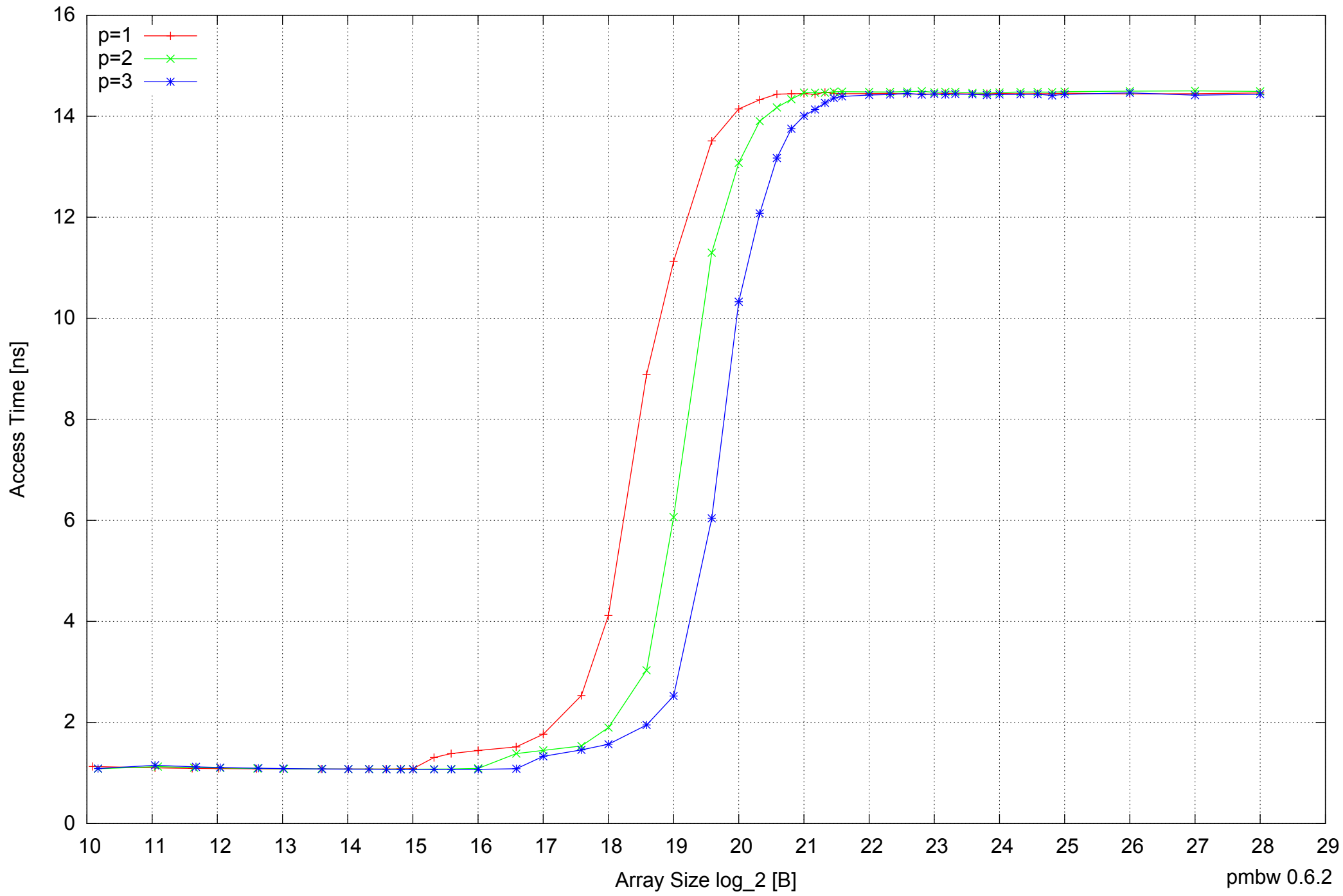




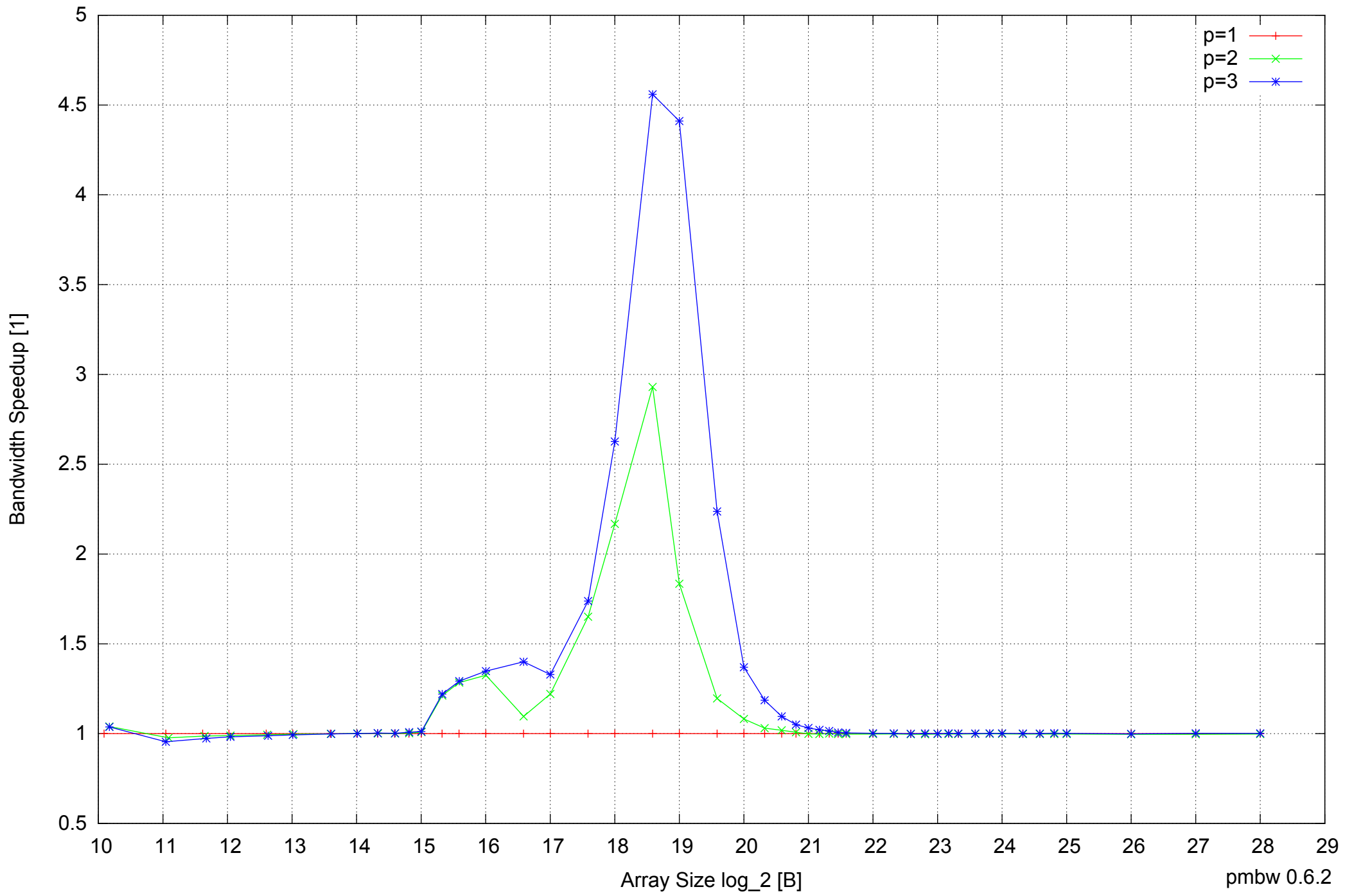
BeagleBone Black: AM335x 1GHz ARM Cortex-A8 512MB - Parallel Memory Bandwidth - ScanRead32PtrUnrollLoop



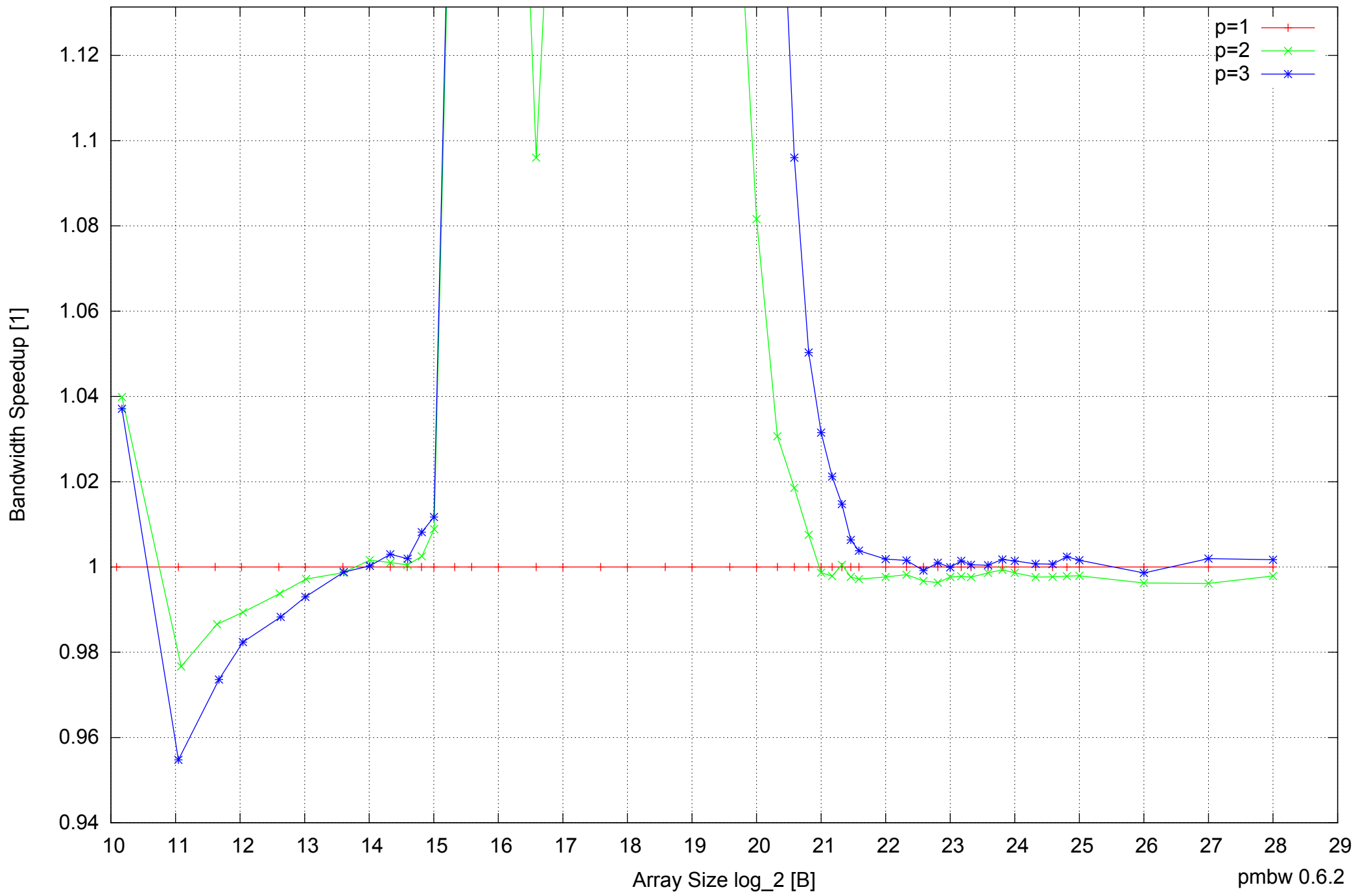
BeagleBone Black: AM335x 1GHz ARM Cortex-A8 512MB - Parallel Memory Access Time - ScanRead32PtrUnrollLoop



BeagleBone Black: AM335x 1GHz ARM Cortex-A8 512MB - Speedup of Parallel Memory Bandwidth - ScanRead32PtrUnrollLoop

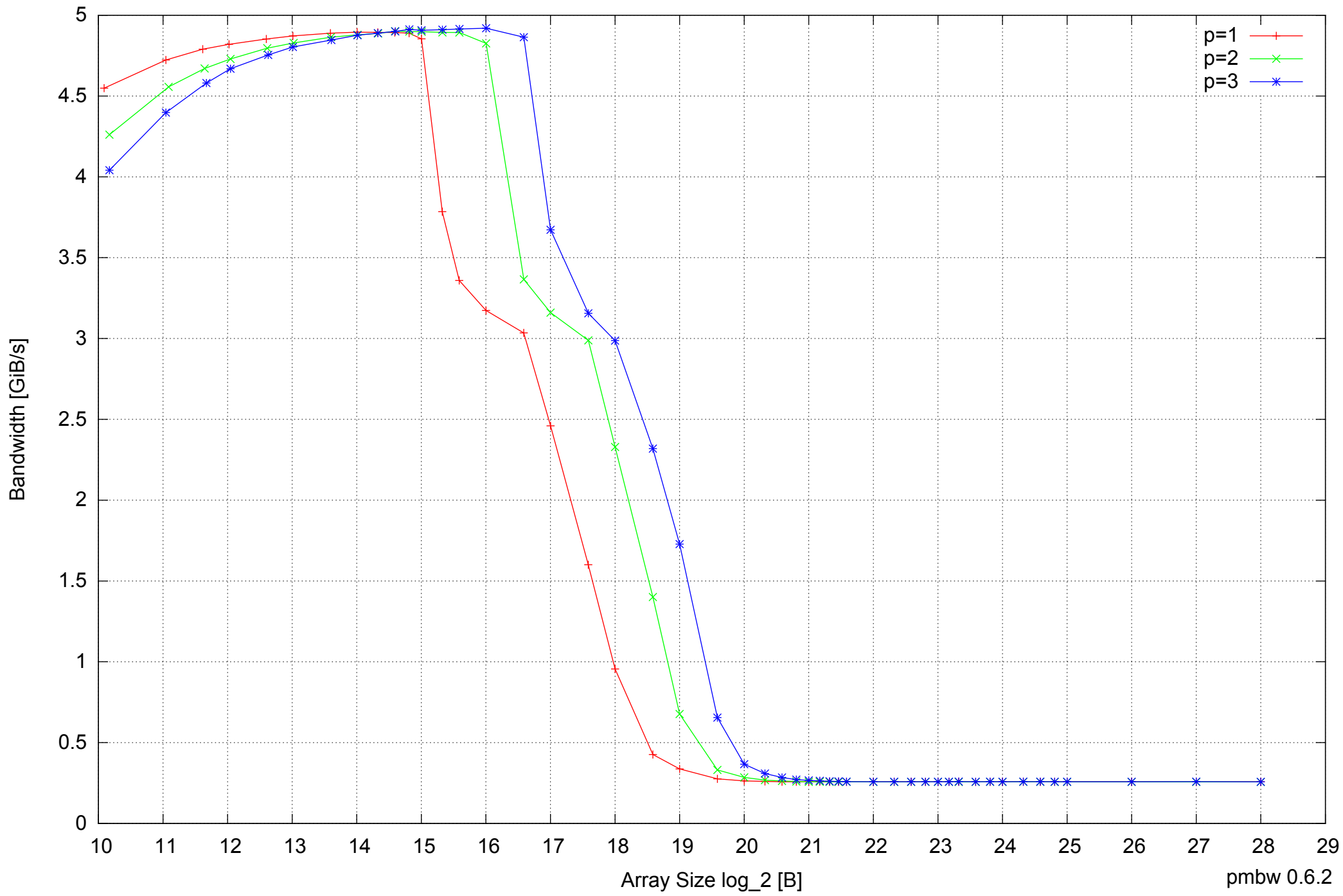


BeagleBone Black: AM335x 1GHz ARM Cortex-A8 512MB - Speedup of Parallel Memory Bandwidth (enlarged) - ScanRead32PtrUnrollLoop

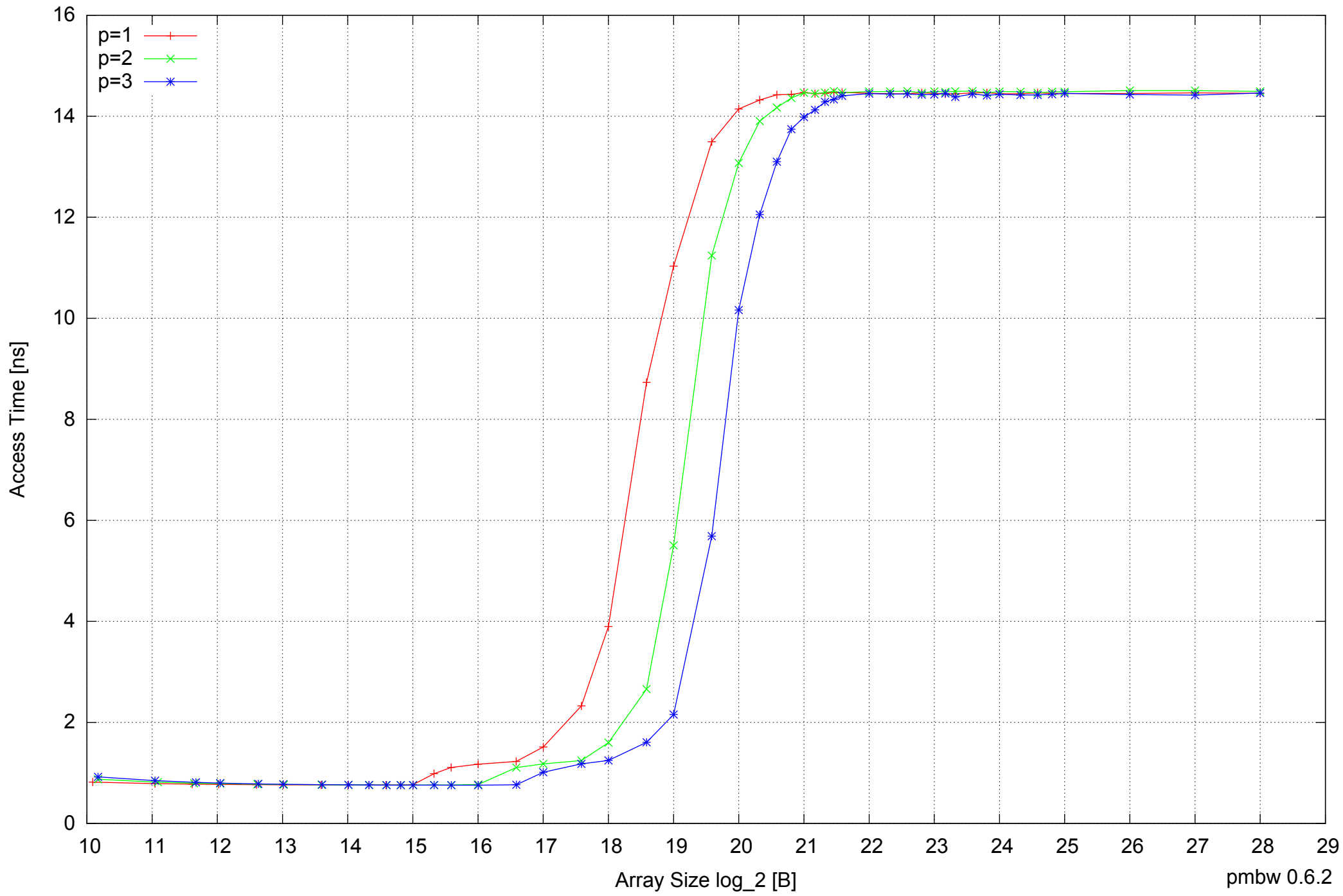




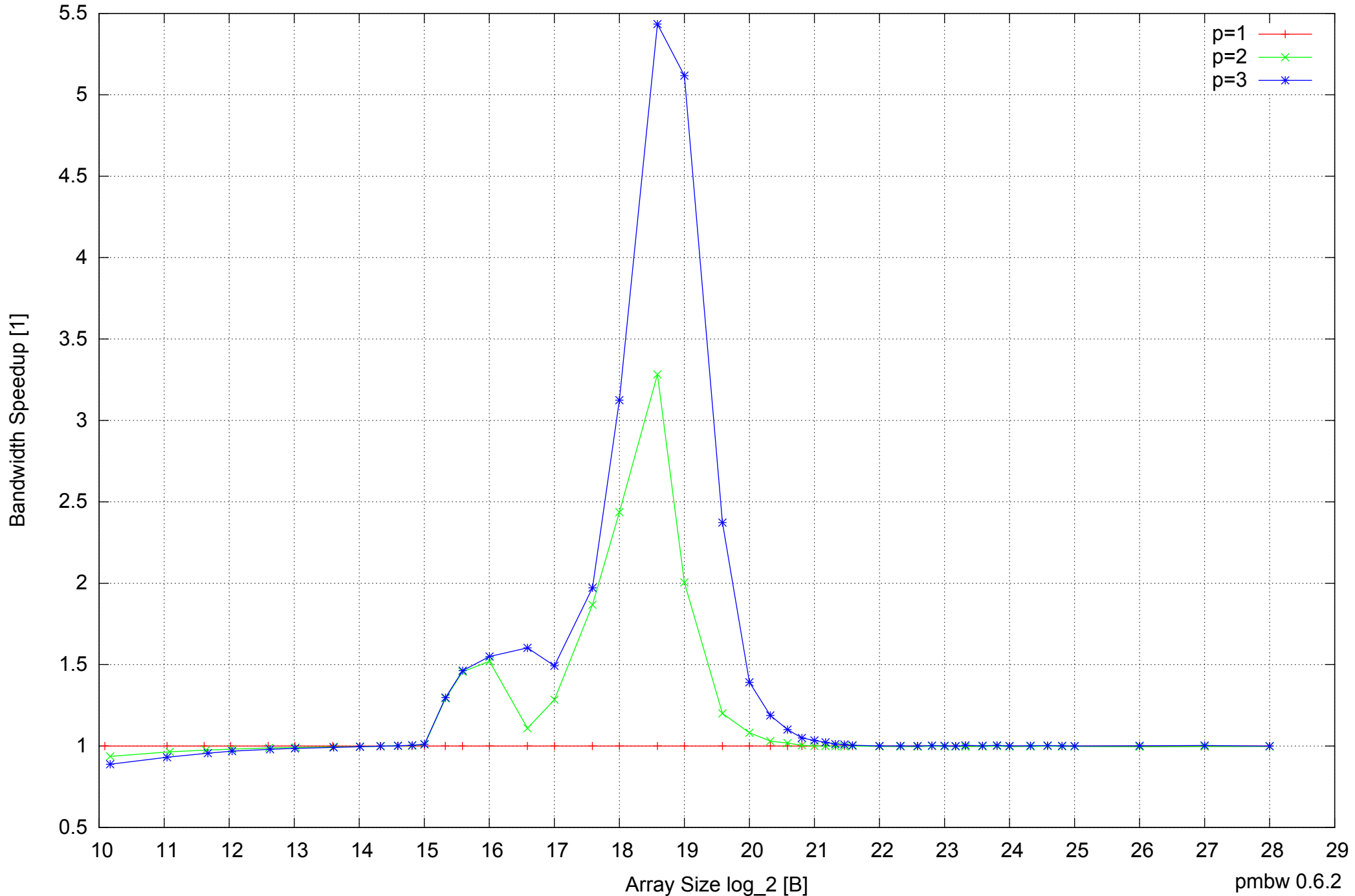
BeagleBone Black: AM335x 1GHz ARM Cortex-A8 512MB - Parallel Memory Bandwidth - ScanRead32PtrMultiLoop



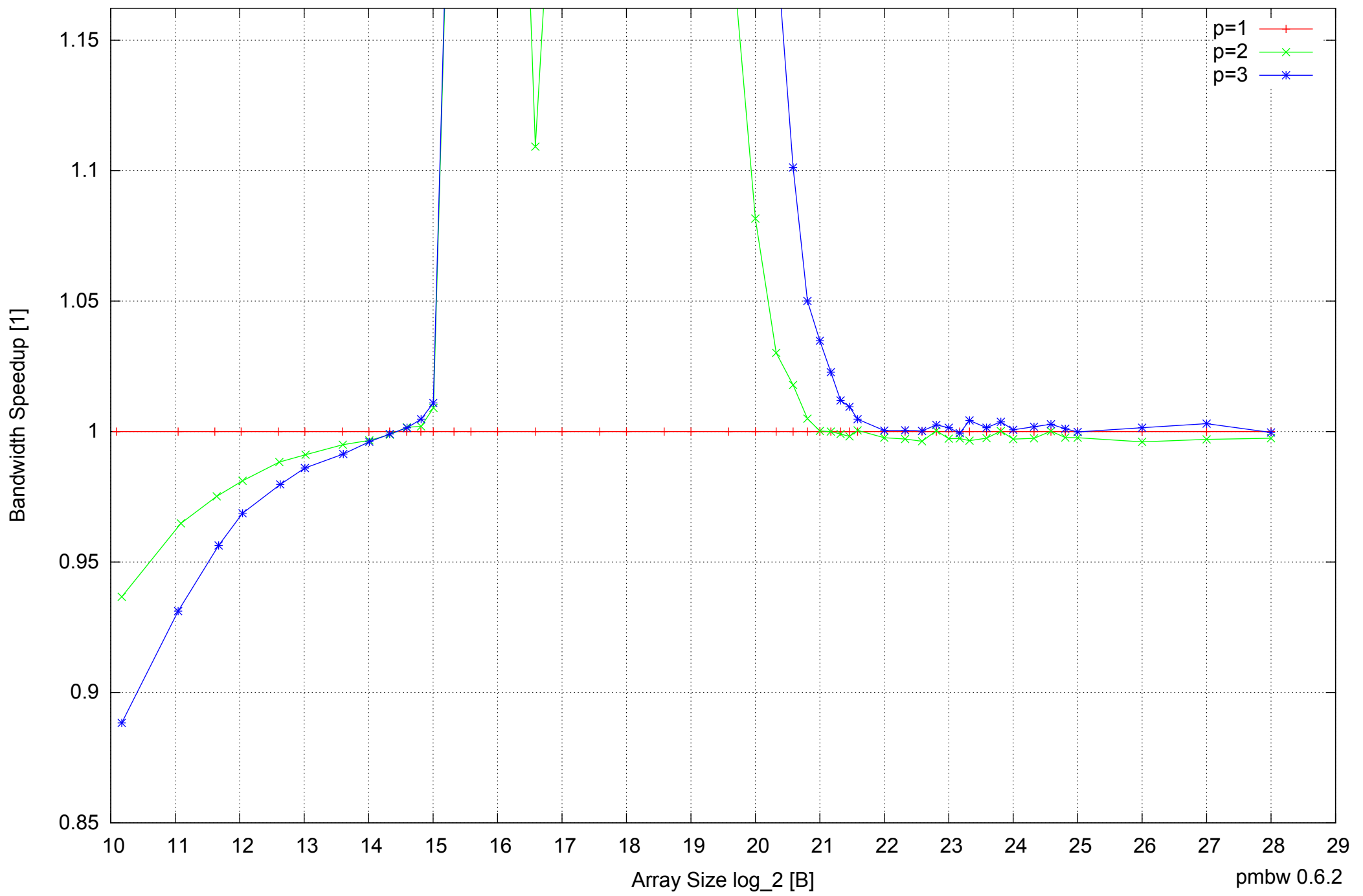
BeagleBone Black: AM335x 1GHz ARM Cortex-A8 512MB - Parallel Memory Access Time - ScanRead32PtrMultiLoop



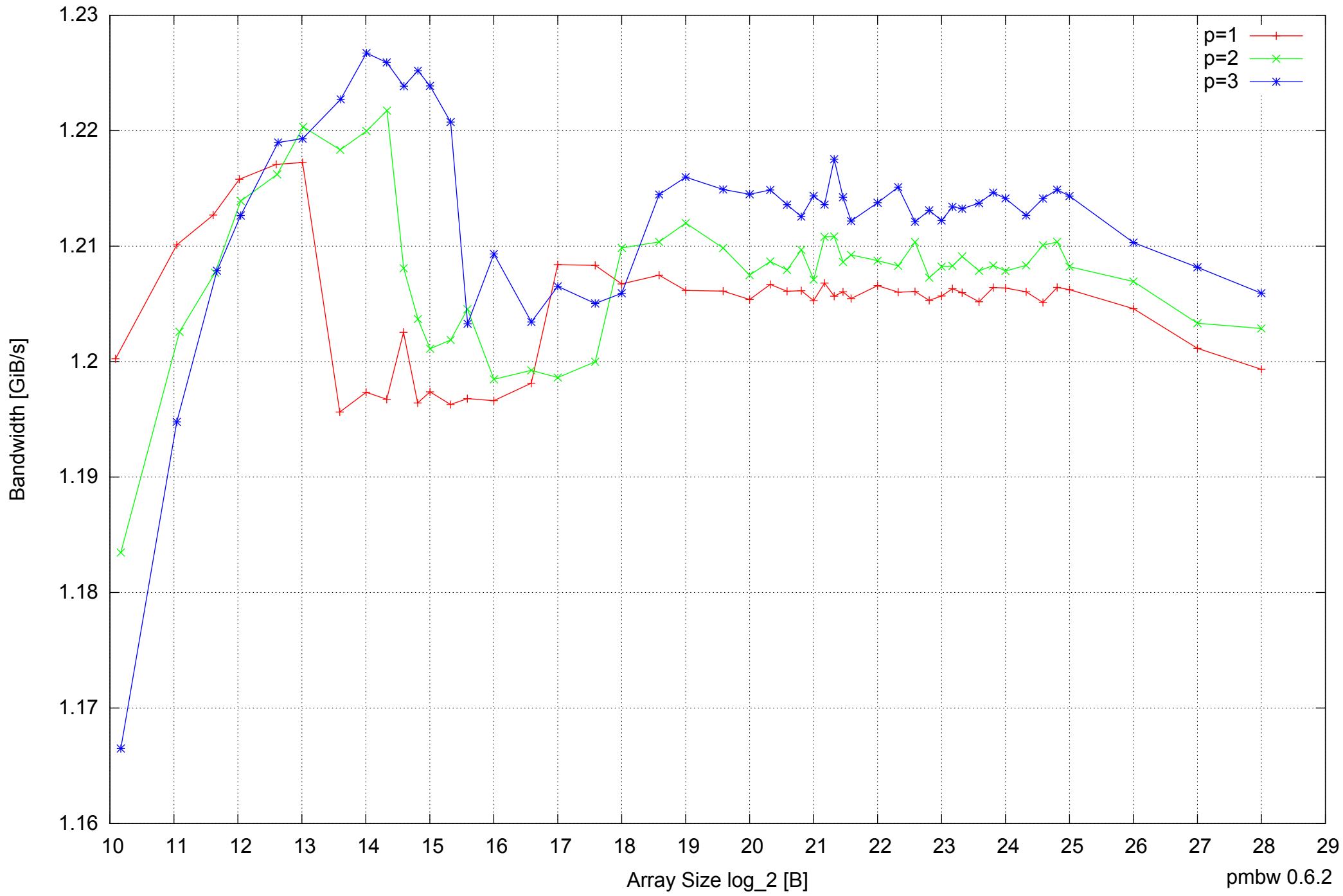
BeagleBone Black: AM335x 1GHz ARM Cortex-A8 512MB - Speedup of Parallel Memory Bandwidth - ScanRead32PtrMultiLoop



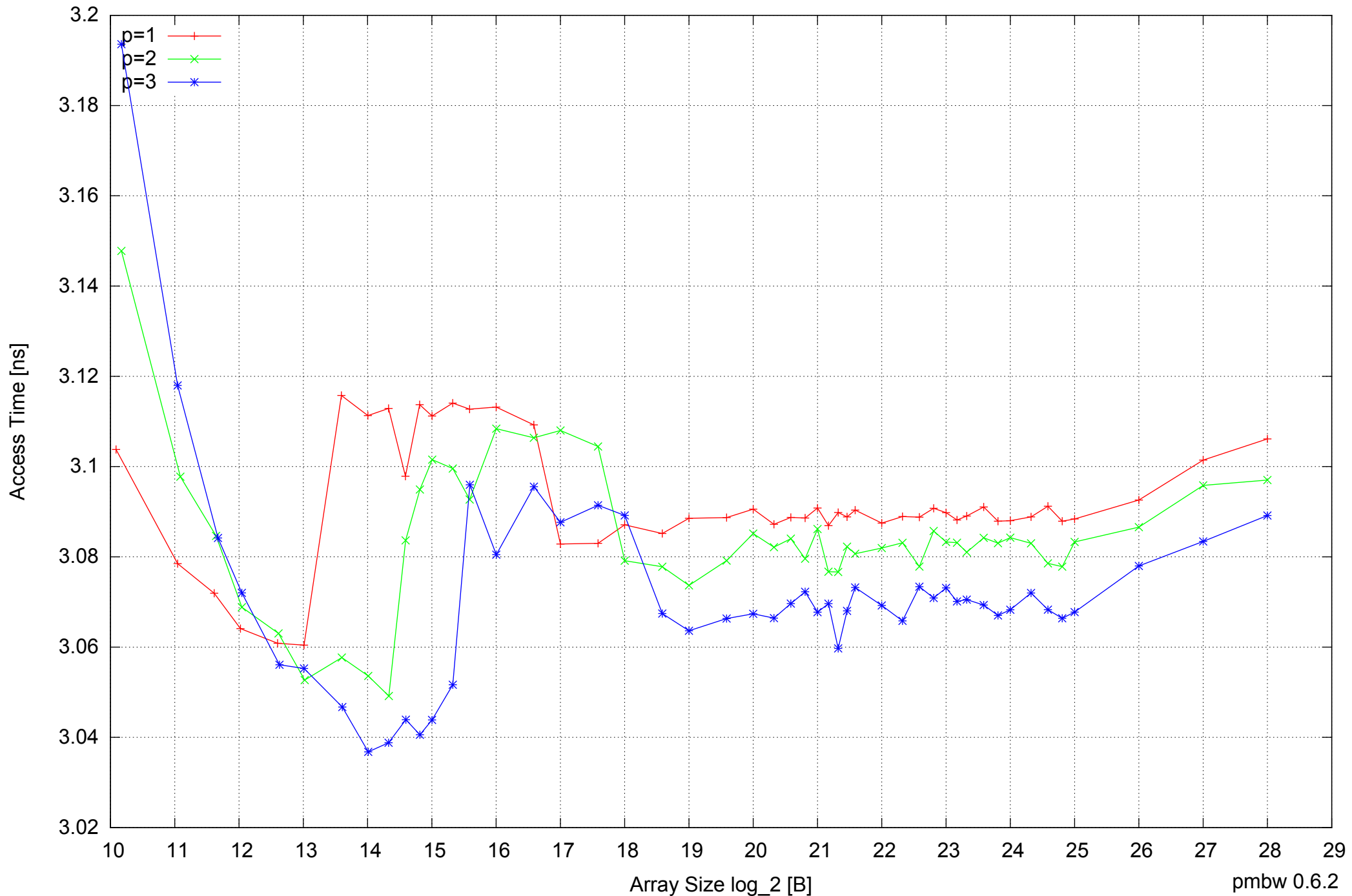
BeagleBone Black: AM335x 1GHz ARM Cortex-A8 512MB - Speedup of Parallel Memory Bandwidth (enlarged) - ScanRead32PtrMultiLoop



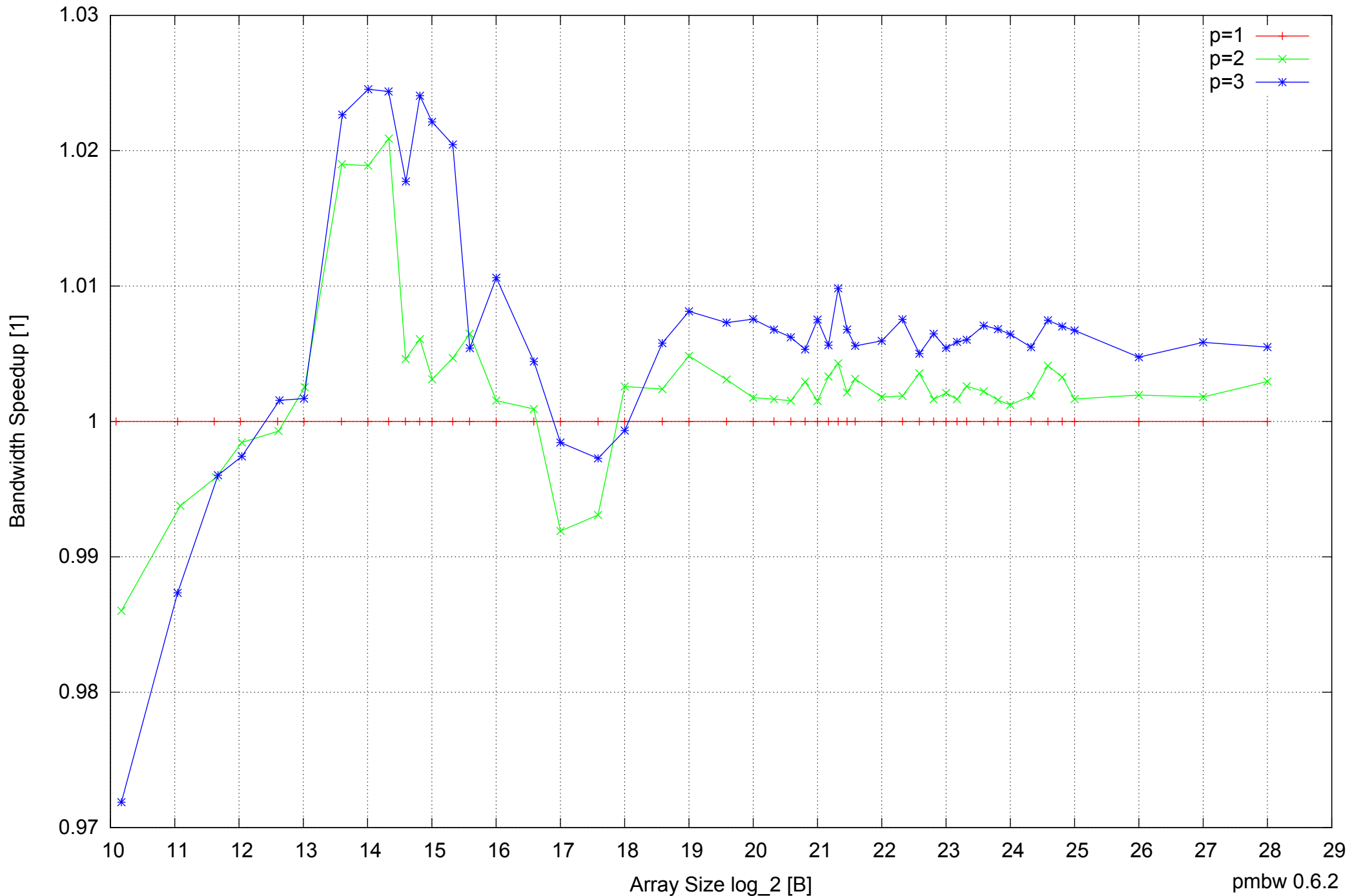
BeagleBone Black: AM335x 1GHz ARM Cortex-A8 512MB - Parallel Memory Bandwidth - ScanWrite32IndexSimpleLoop

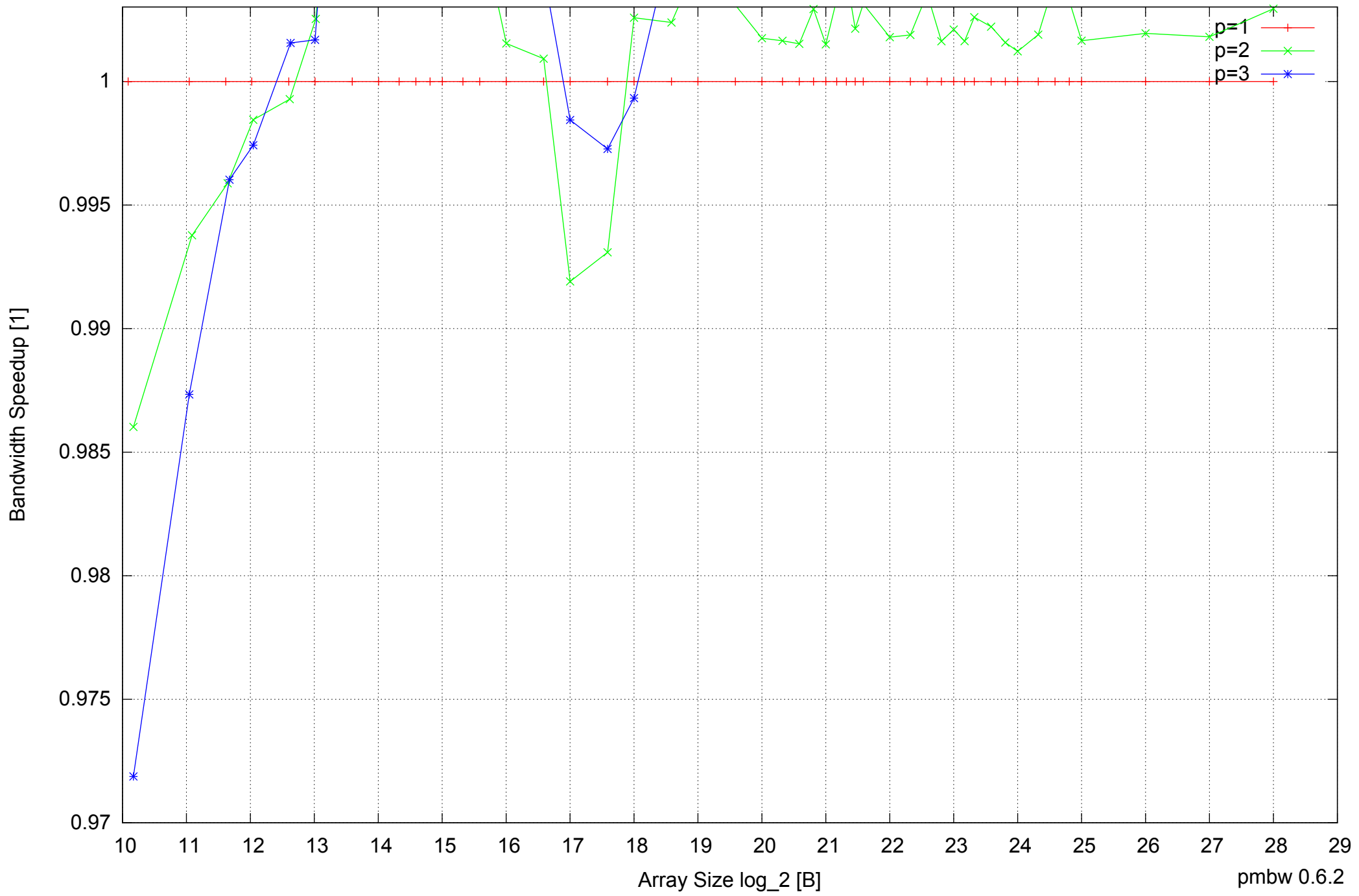


BeagleBone Black: AM335x 1GHz ARM Cortex-A8 512MB - Parallel Memory Access Time - ScanWrite32IndexSimpleLoop



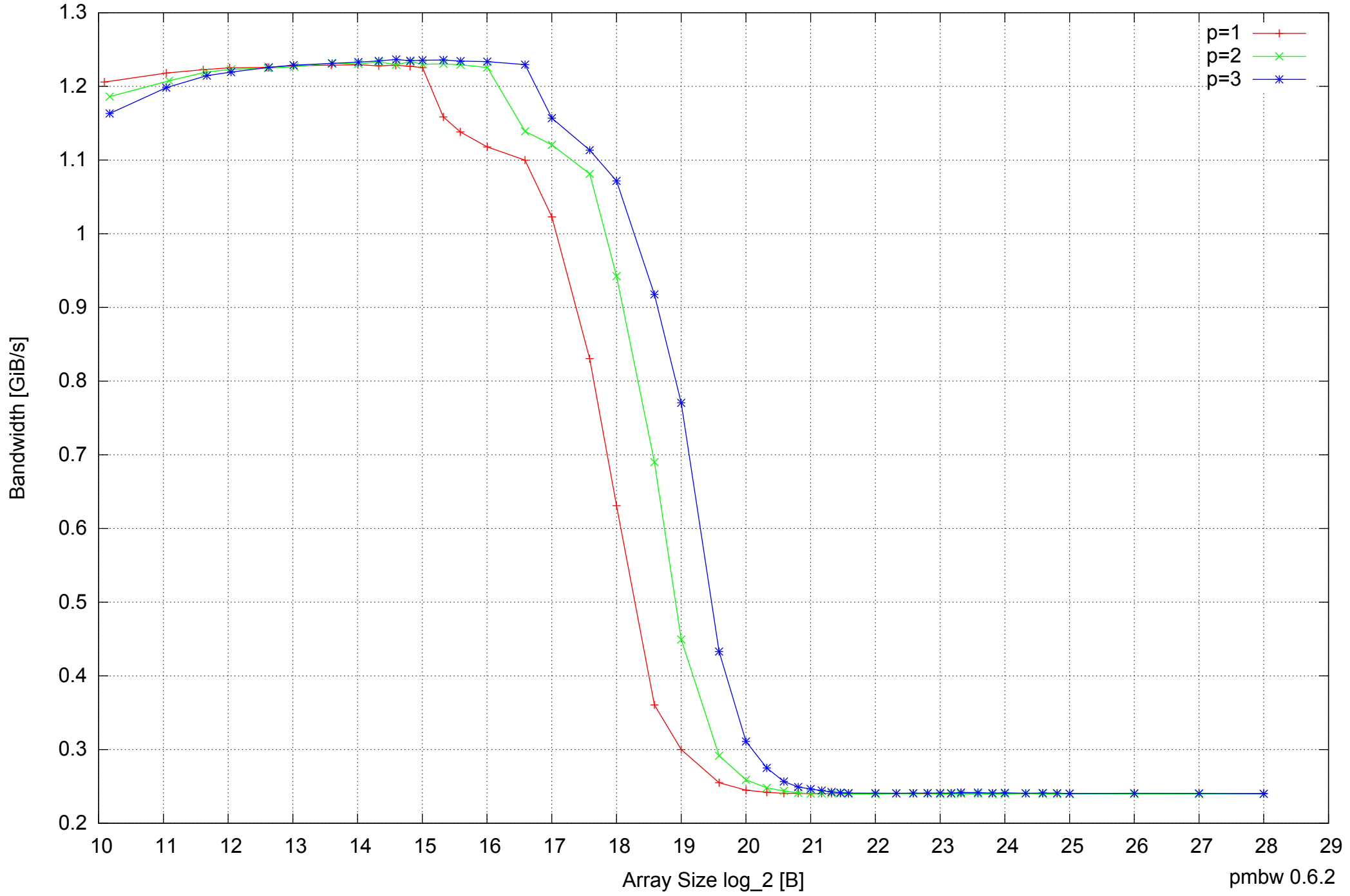
BeagleBone Black: AM335x 1GHz ARM Cortex-A8 512MB - Speedup of Parallel Memory Bandwidth - ScanWrite32IndexSimpleLoop







BeagleBone Black: AM335x 1GHz ARM Cortex-A8 512MB - Parallel Memory Bandwidth - ScanRead32IndexSimpleLoop

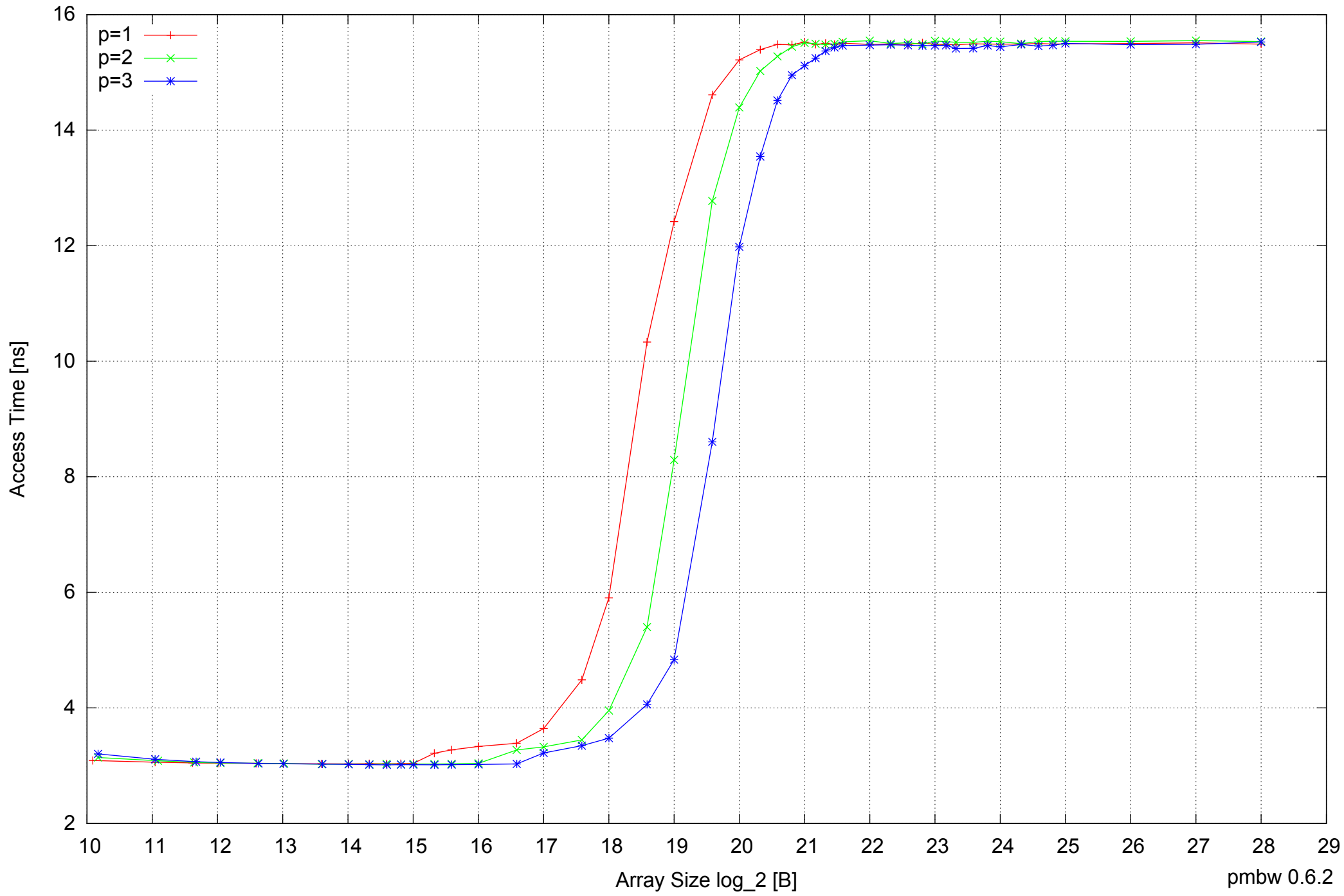


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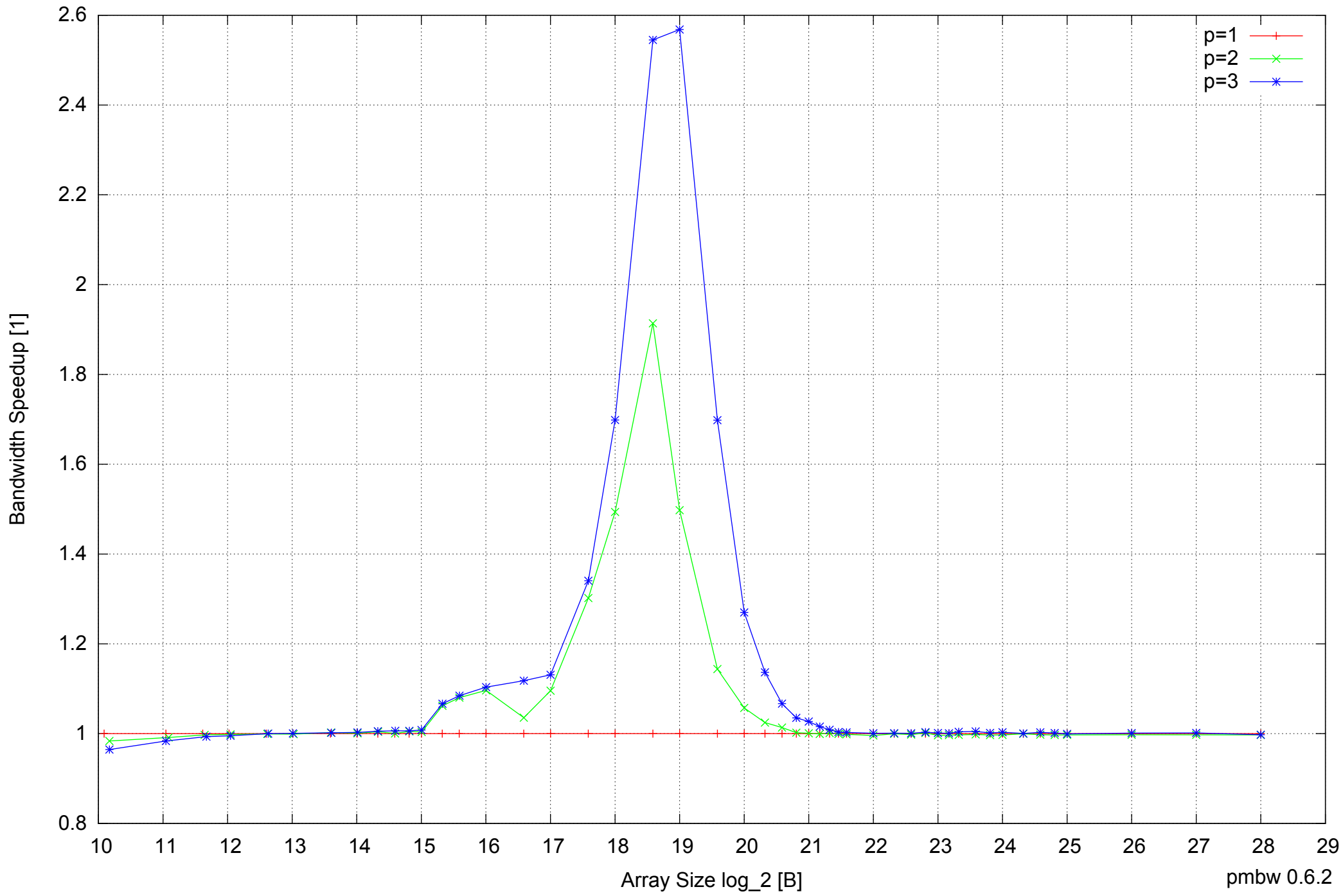
Array Size log<sub>2</sub> [B]

pmbw 0.6.2

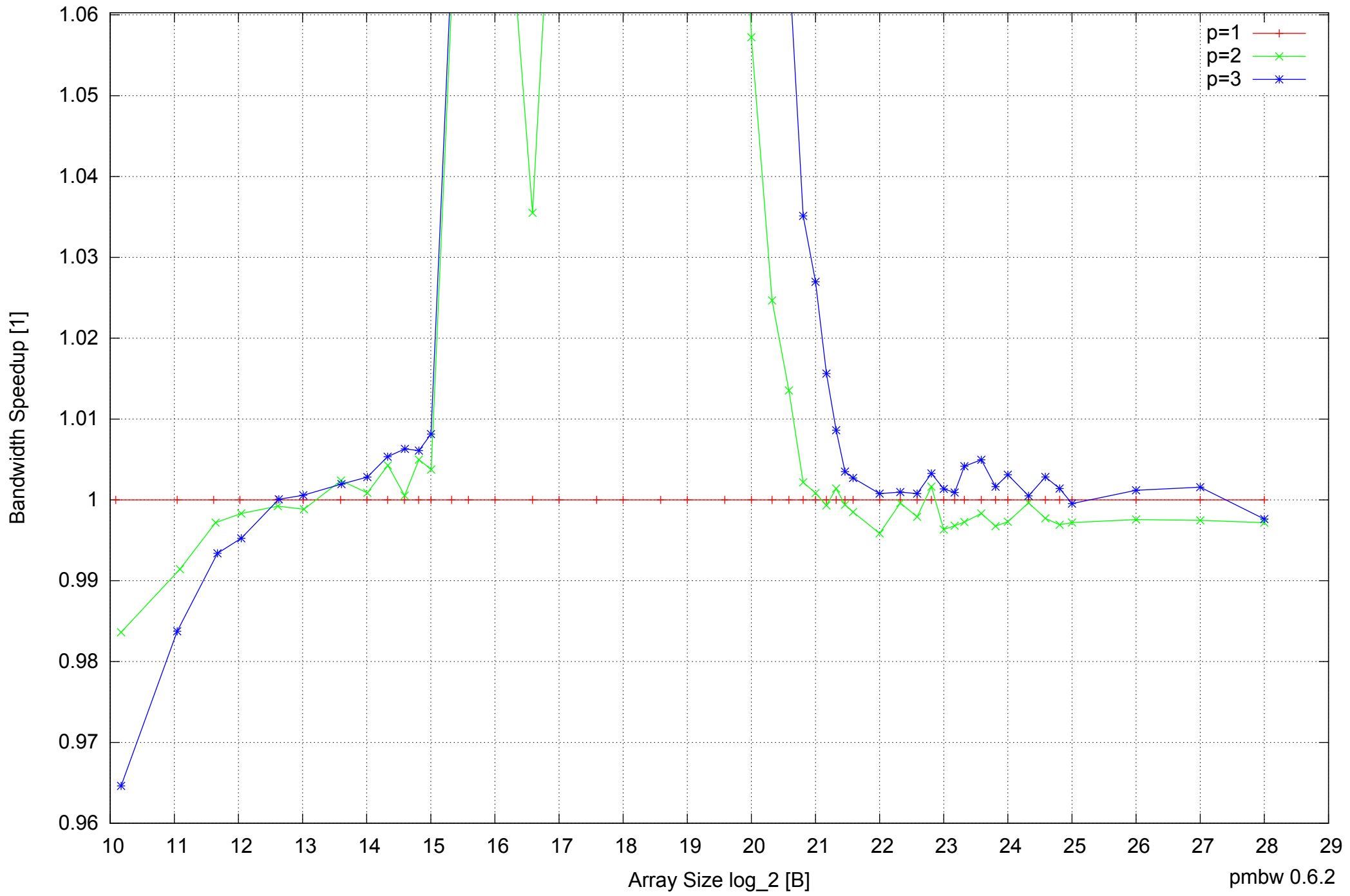
BeagleBone Black: AM335x 1GHz ARM Cortex-A8 512MB - Parallel Memory Access Time - ScanRead32IndexSimpleLoop



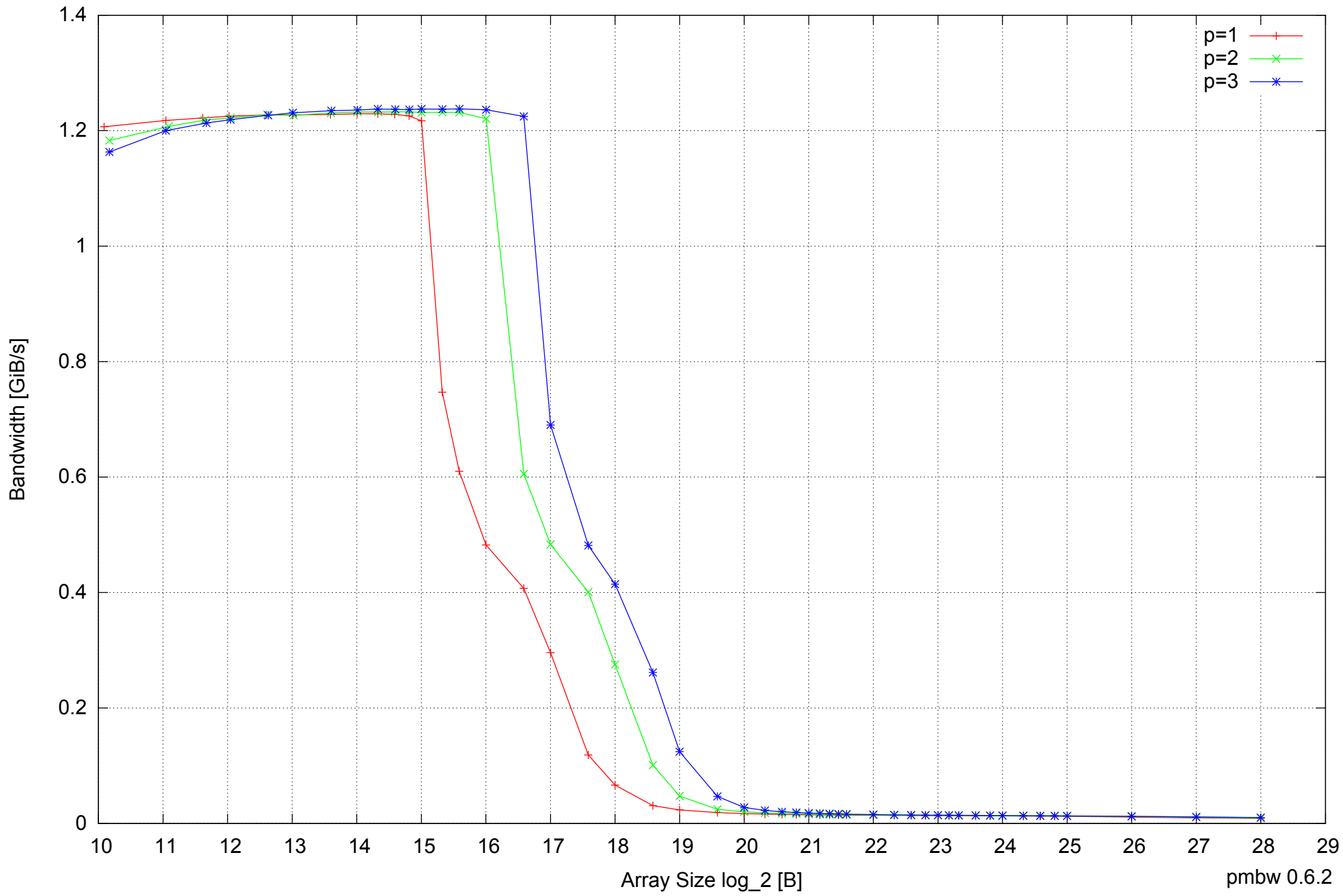
BeagleBone Black: AM335x 1GHz ARM Cortex-A8 512MB - Speedup of Parallel Memory Bandwidth - ScanRead32IndexSimpleLoop



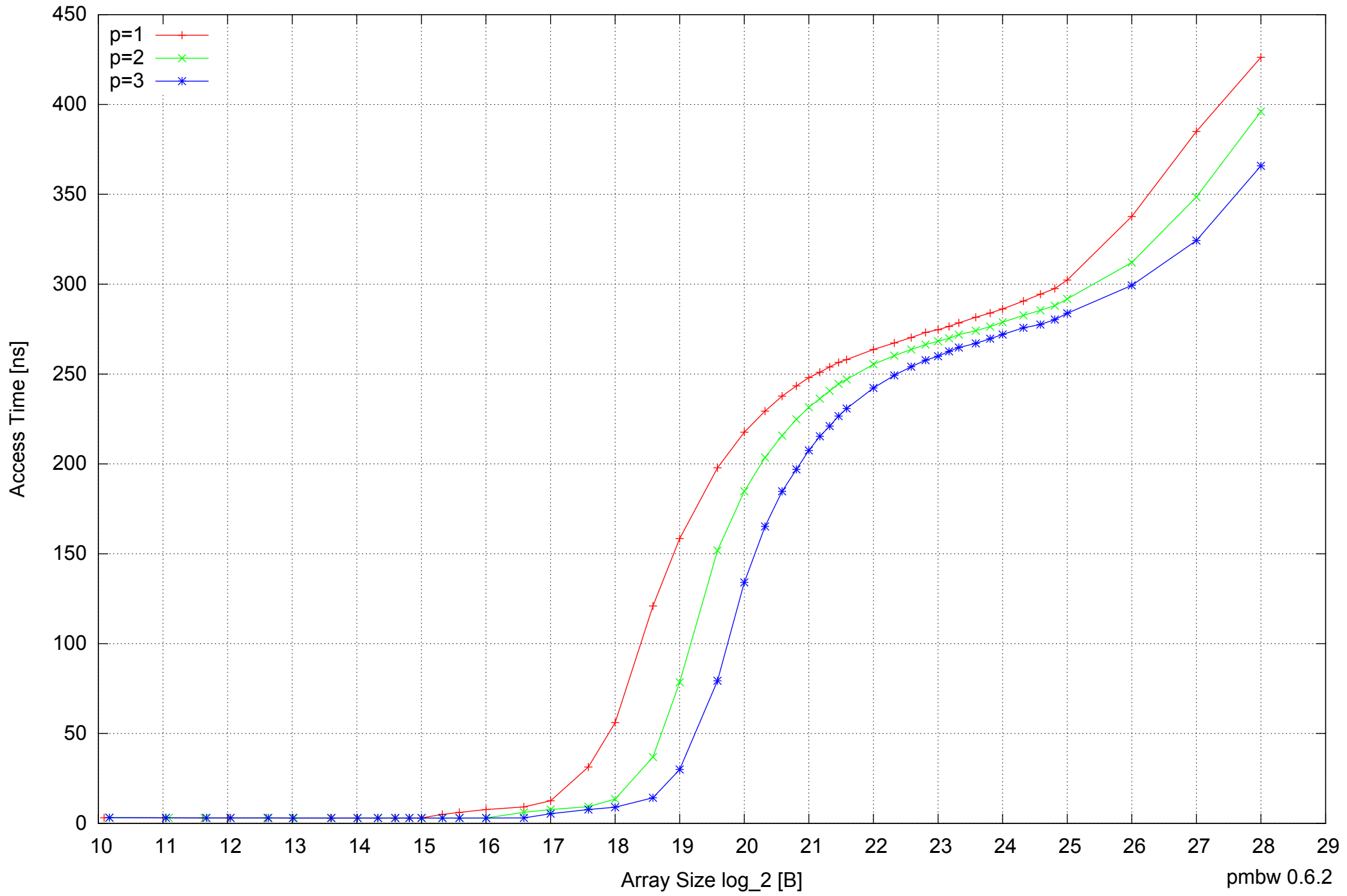
BeagleBone Black: AM335x 1GHz ARM Cortex-A8 512MB - Speedup of Parallel Memory Bandwidth (enlarged) - ScanRead32IndexSimpleLo



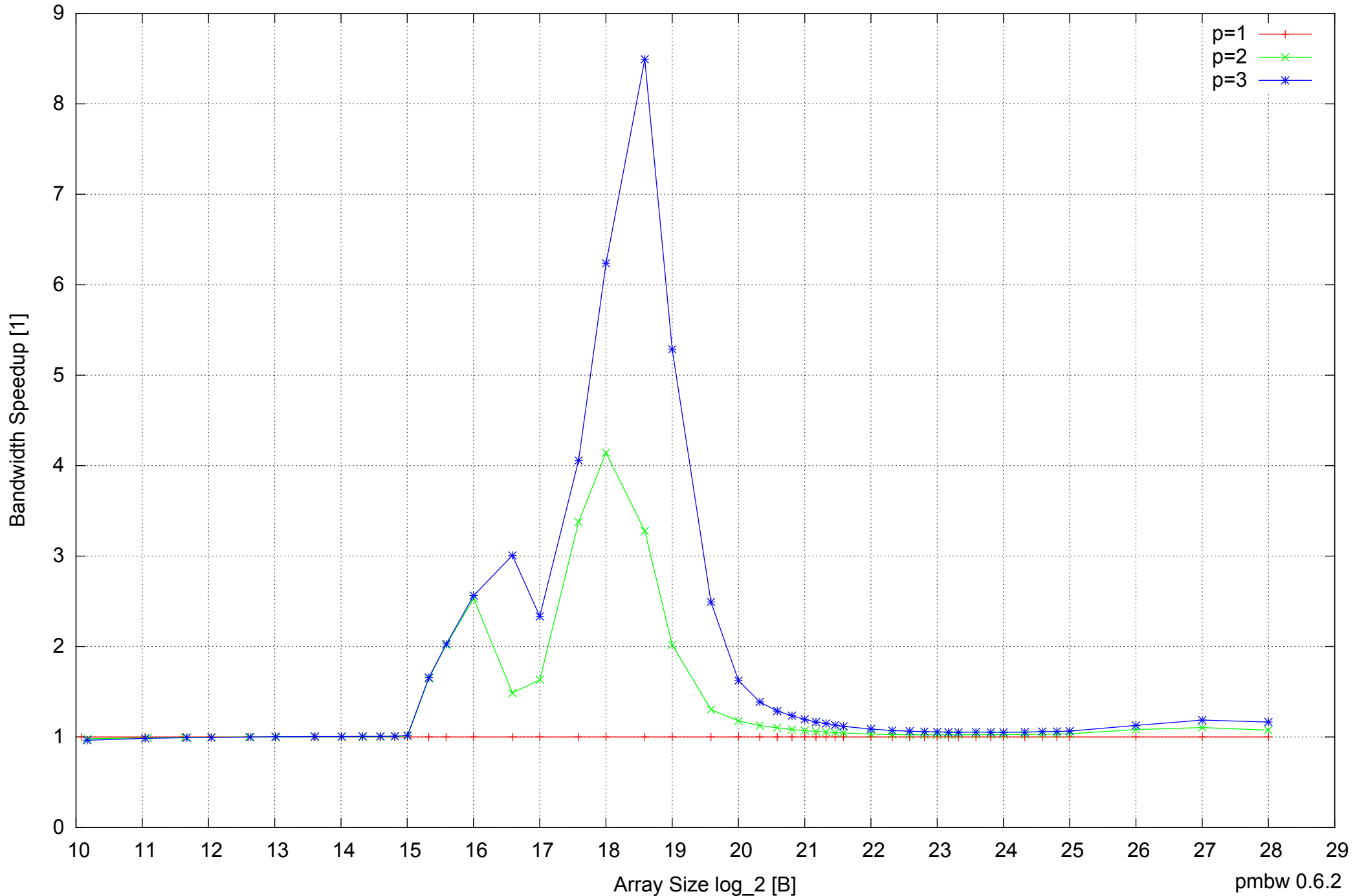
BeagleBone Black: AM335x 1GHz ARM Cortex-A8 512MB - Parallel Memory Bandwidth - PermRead32SimpleLoop



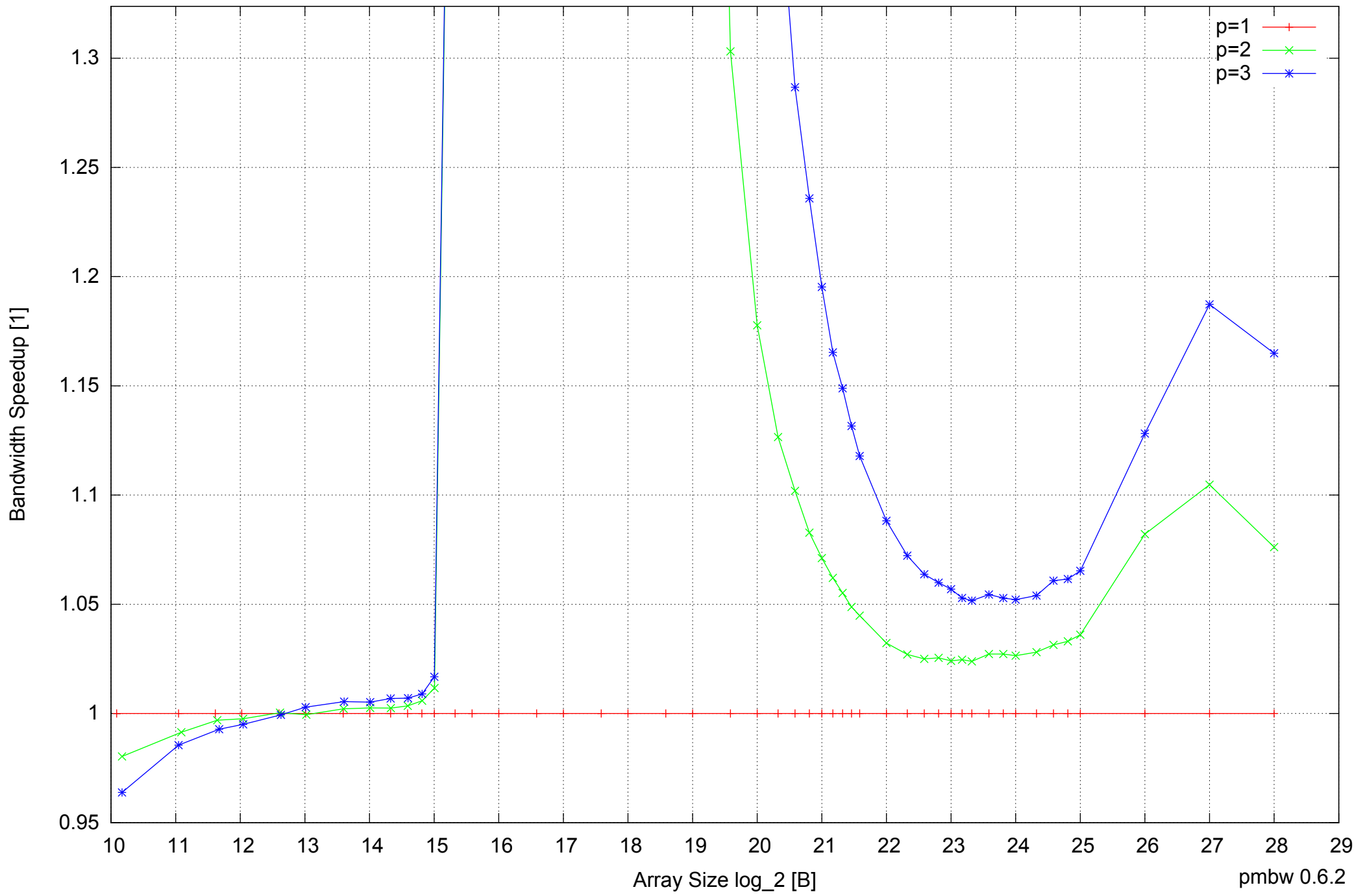
BeagleBone Black: AM335x 1GHz ARM Cortex-A8 512MB - Parallel Memory Access Time - PermRead32SimpleLoop



BeagleBone Black: AM335x 1GHz ARM Cortex-A8 512MB - Speedup of Parallel Memory Bandwidth - PermRead32SimpleLoop

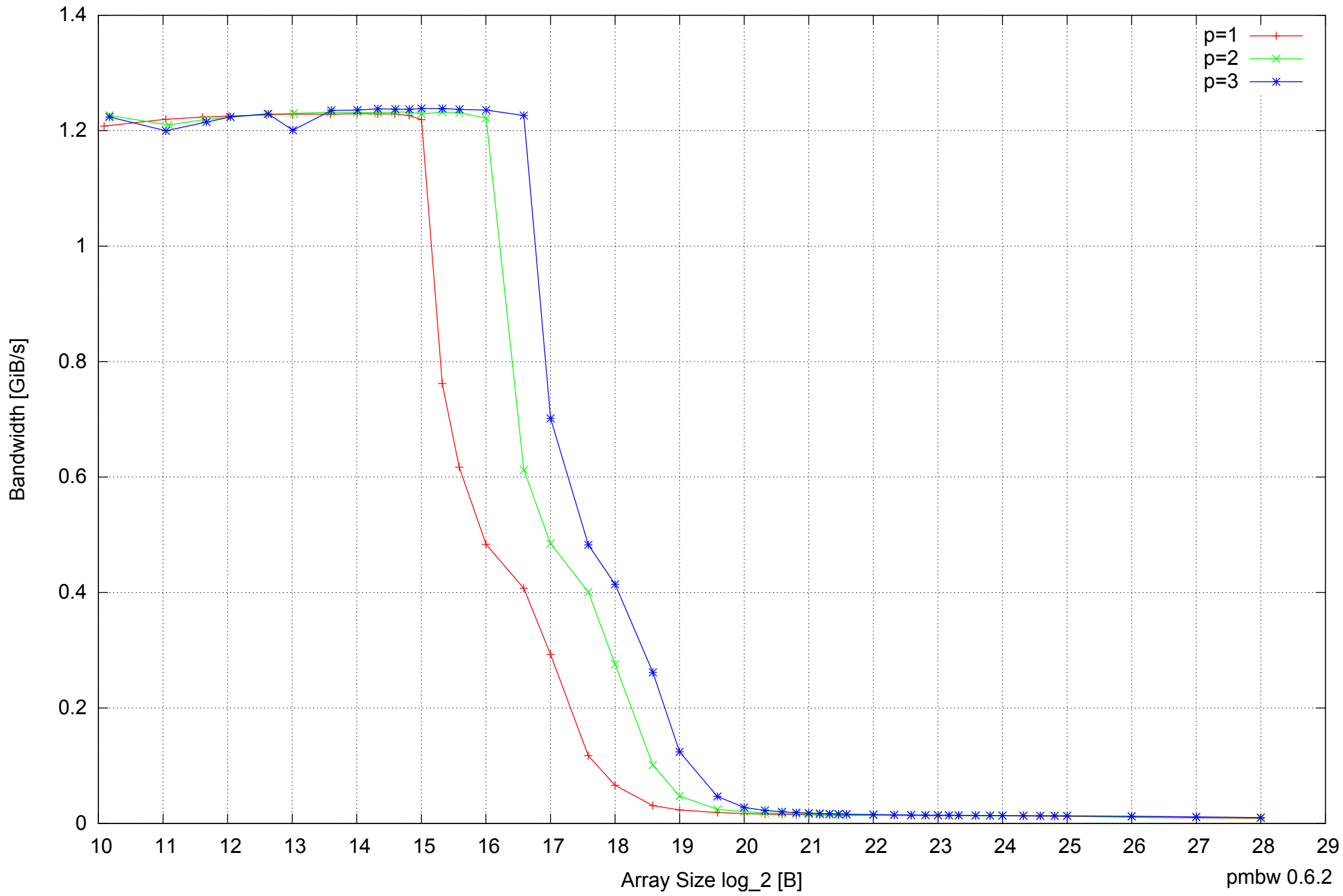


BeagleBone Black: AM335x 1GHz ARM Cortex-A8 512MB - Speedup of Parallel Memory Bandwidth (enlarged) - PermRead32SimpleLoop





BeagleBone Black: AM335x 1GHz ARM Cortex-A8 512MB - Parallel Memory Bandwidth - PermRead32UnrollLoop

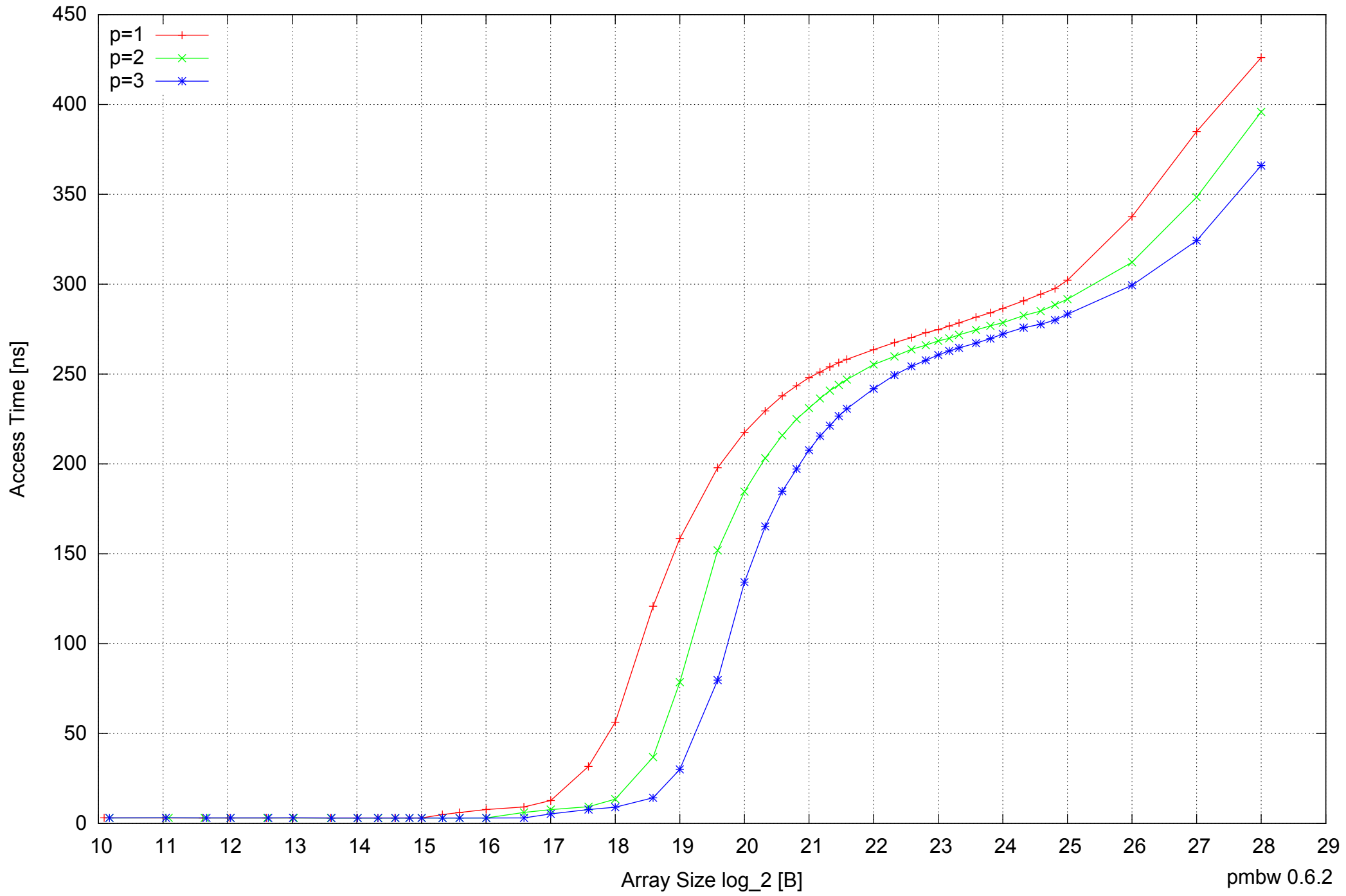


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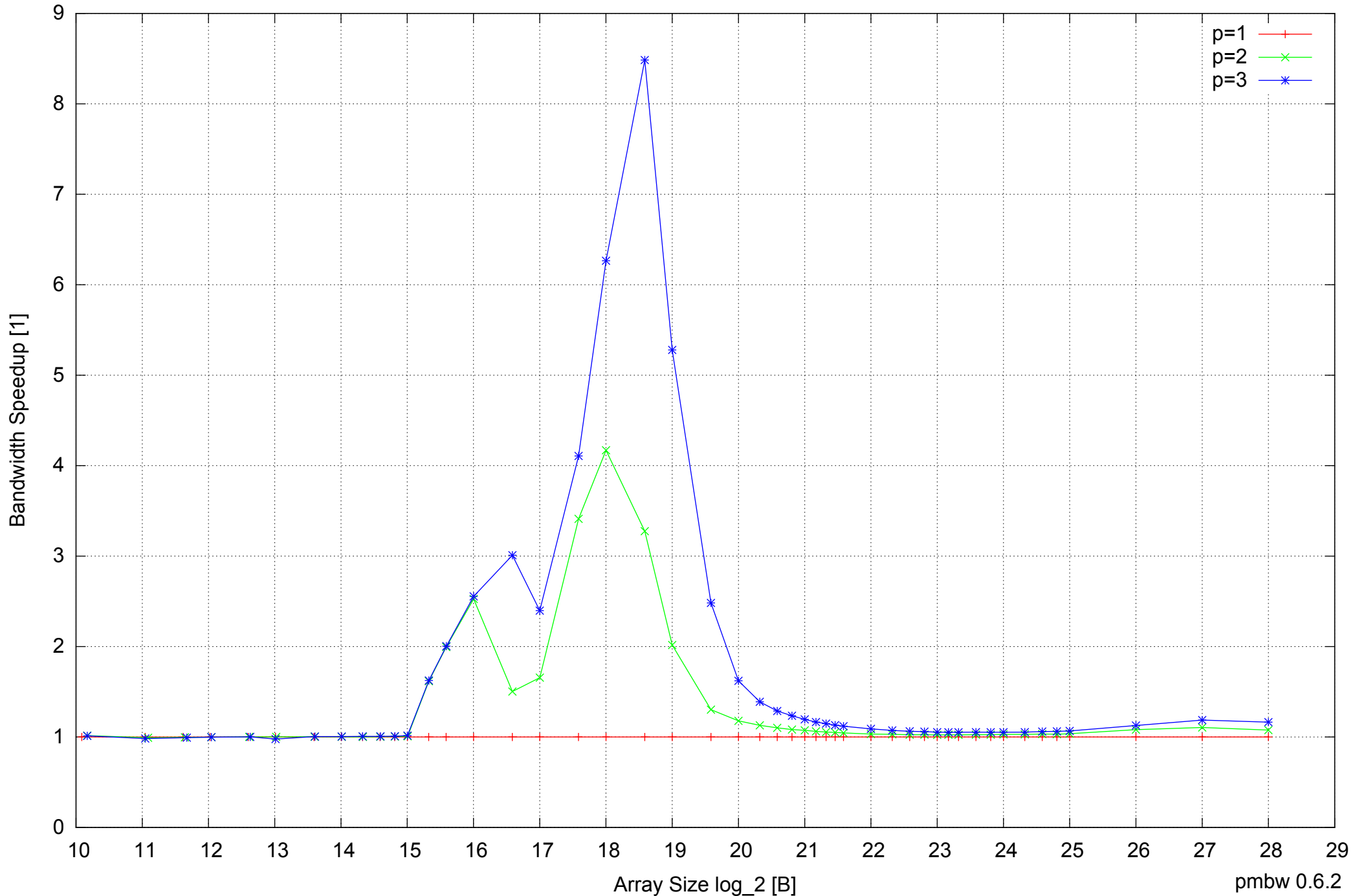
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pmbw 0.6.2

BeagleBone Black: AM335x 1GHz ARM Cortex-A8 512MB - Parallel Memory Access Time - PermRead32UnrollLoop



BeagleBone Black: AM335x 1GHz ARM Cortex-A8 512MB - Speedup of Parallel Memory Bandwidth - PermRead32UnrollLoop



BeagleBone Black: AM335x 1GHz ARM Cortex-A8 512MB - Speedup of Parallel Memory Bandwidth (enlarged) - PermRead32UnrollLoop

