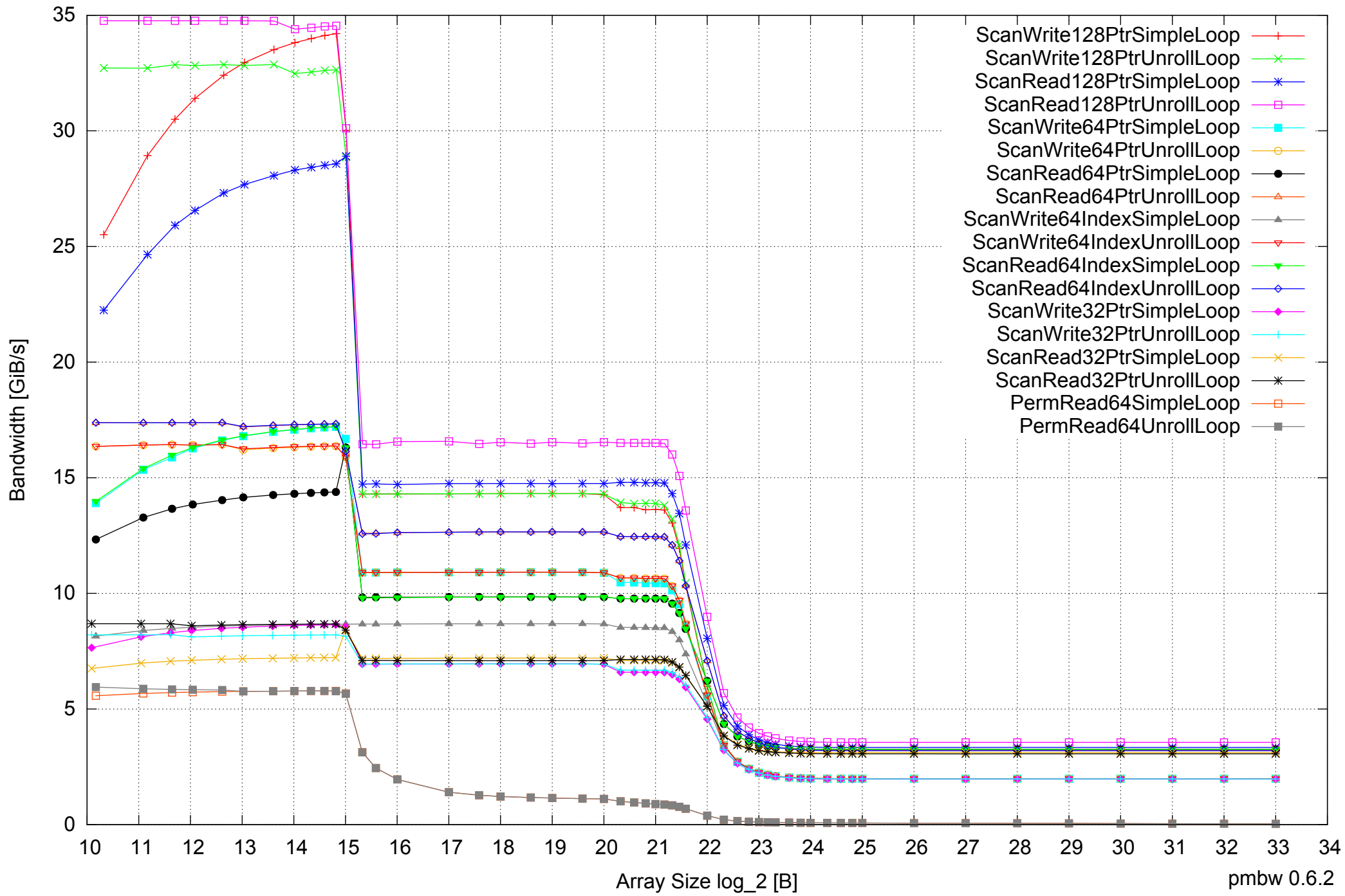
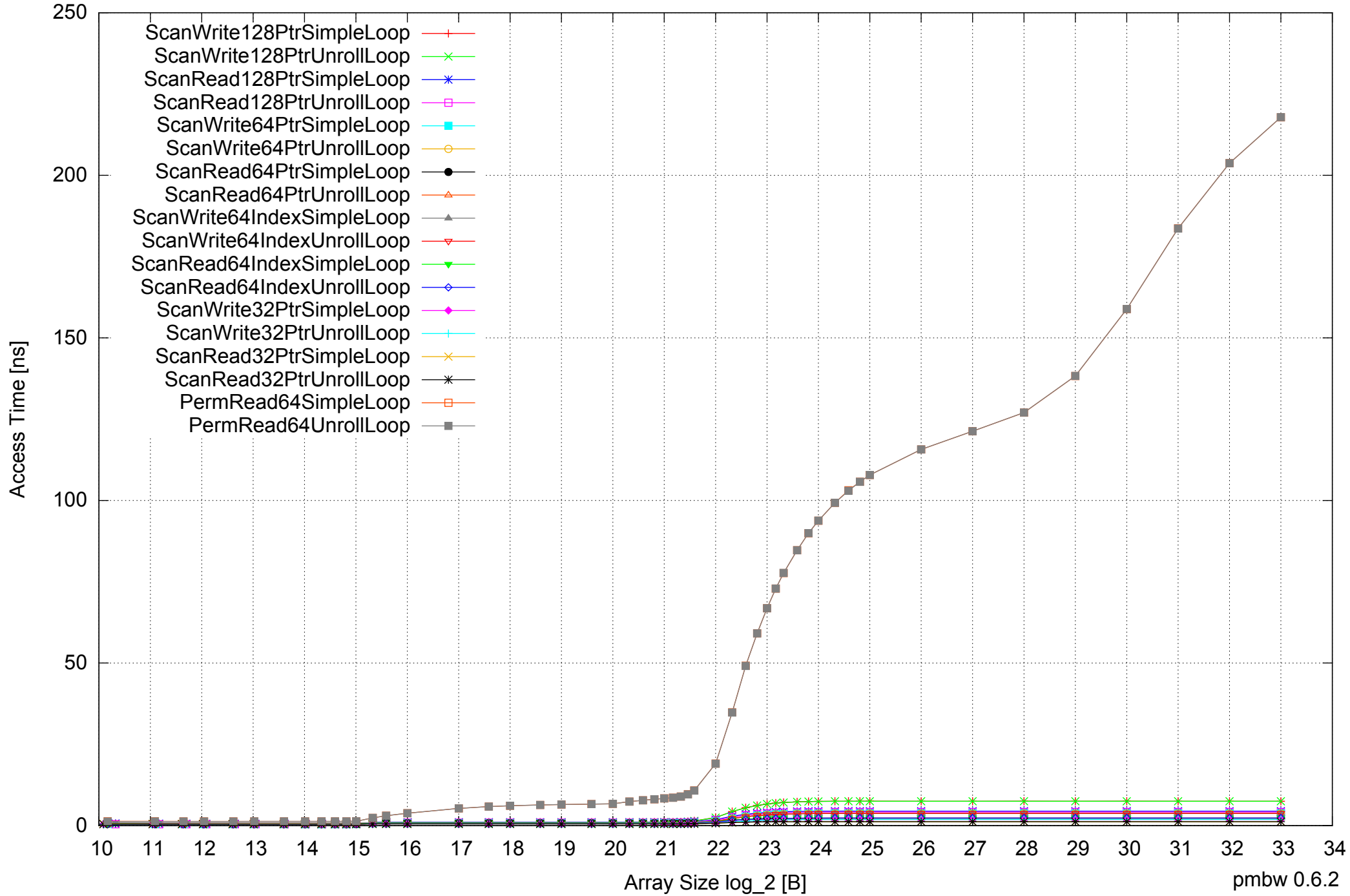


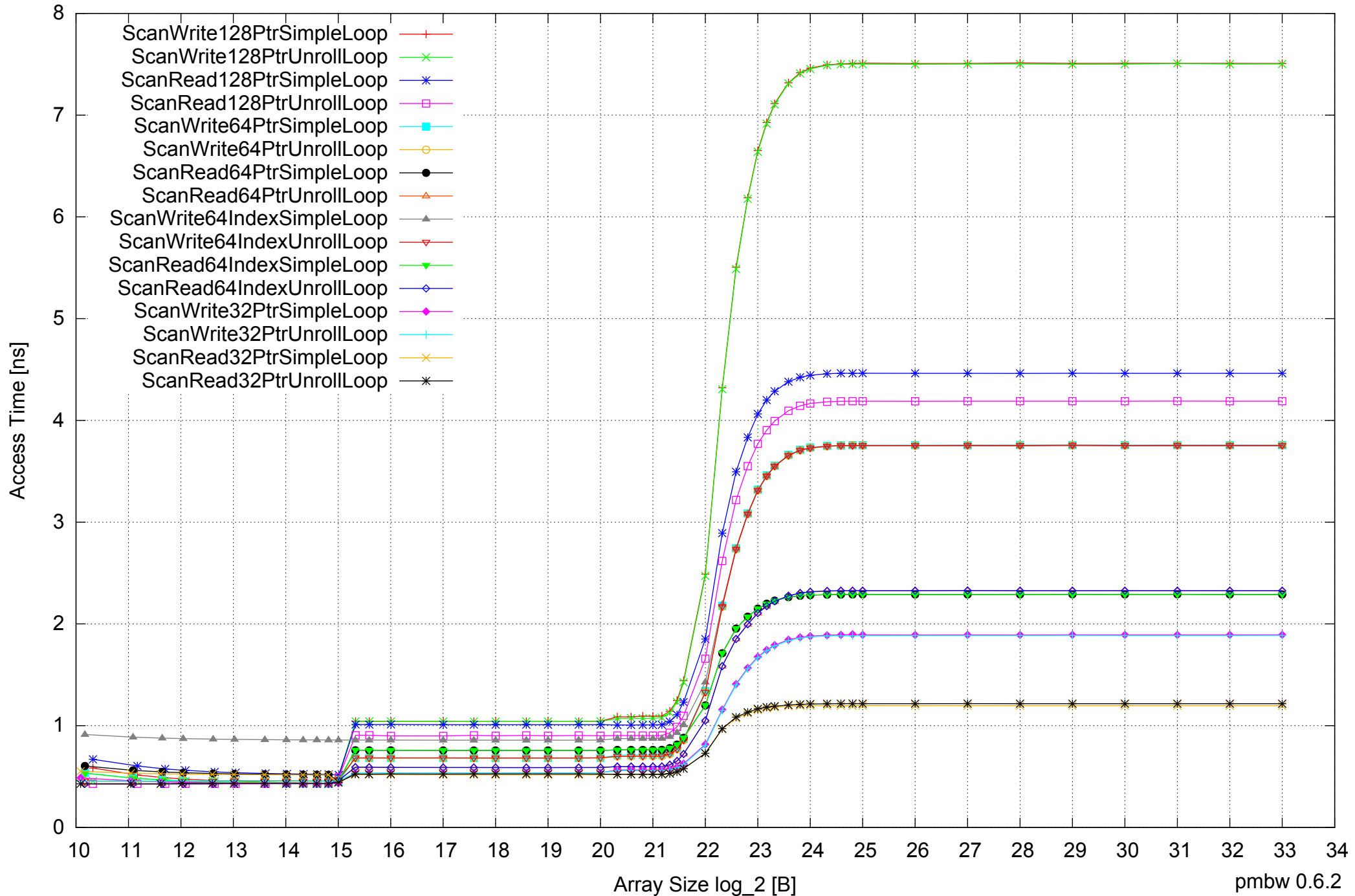
Intel Xeon E5345 16GB - One Thread Memory Bandwidth



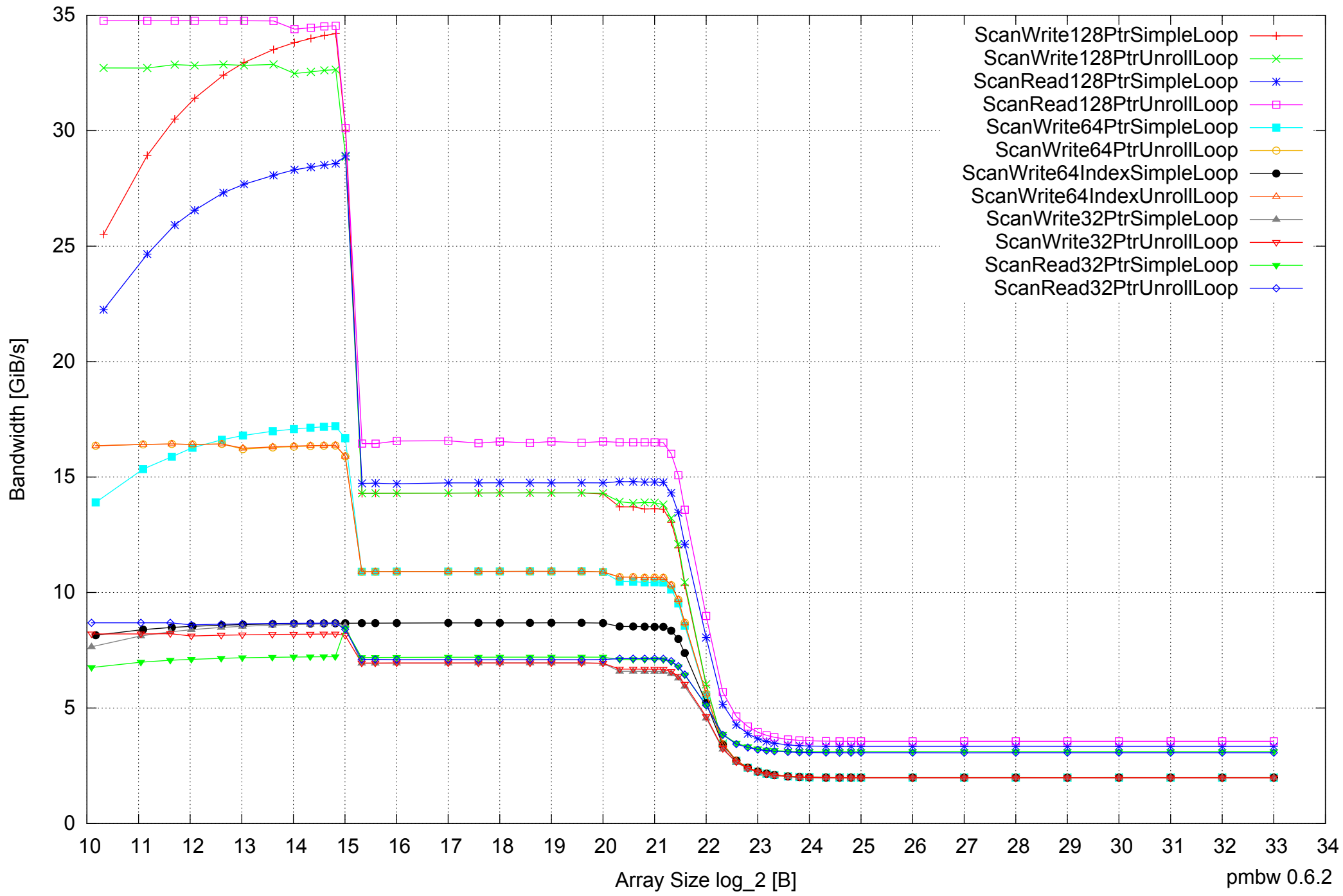
Intel Xeon E5345 16GB - One Thread Memory Latency (Access Time)



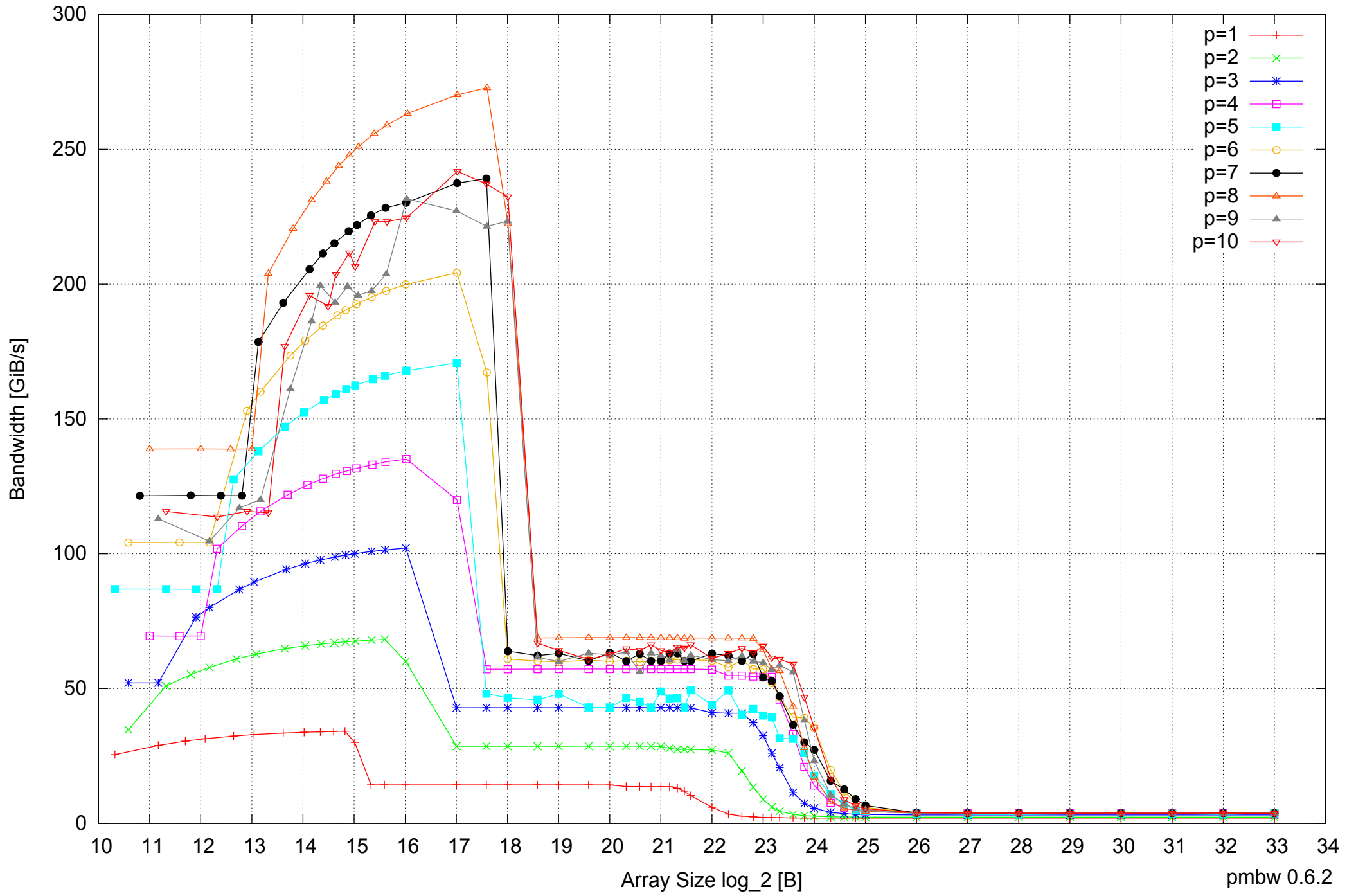
Intel Xeon E5345 16GB - One Thread Memory Latency (excluding Permutation)



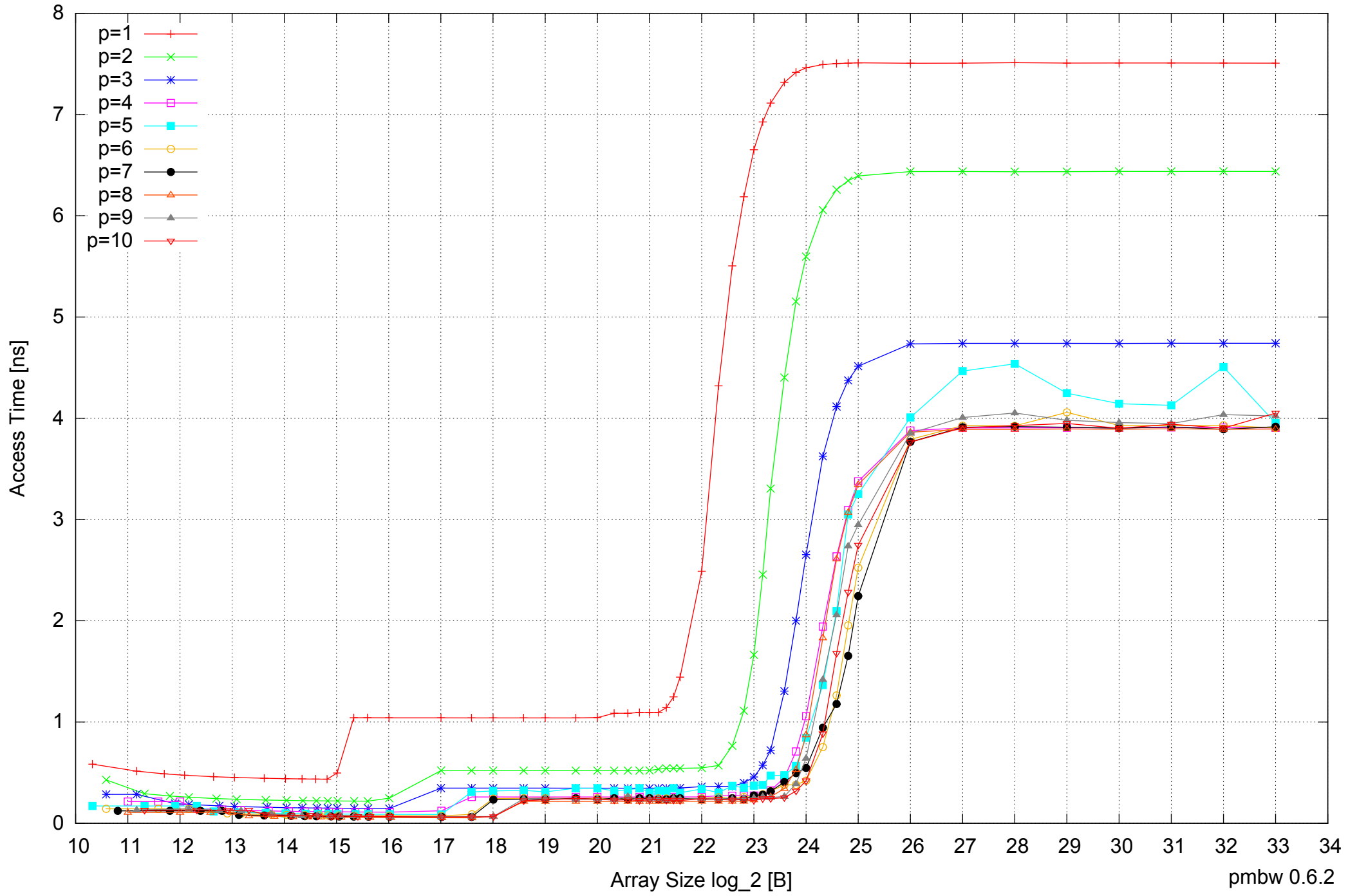
Intel Xeon E5345 16GB - One Thread Memory Bandwidth (only 64-bit Reads)



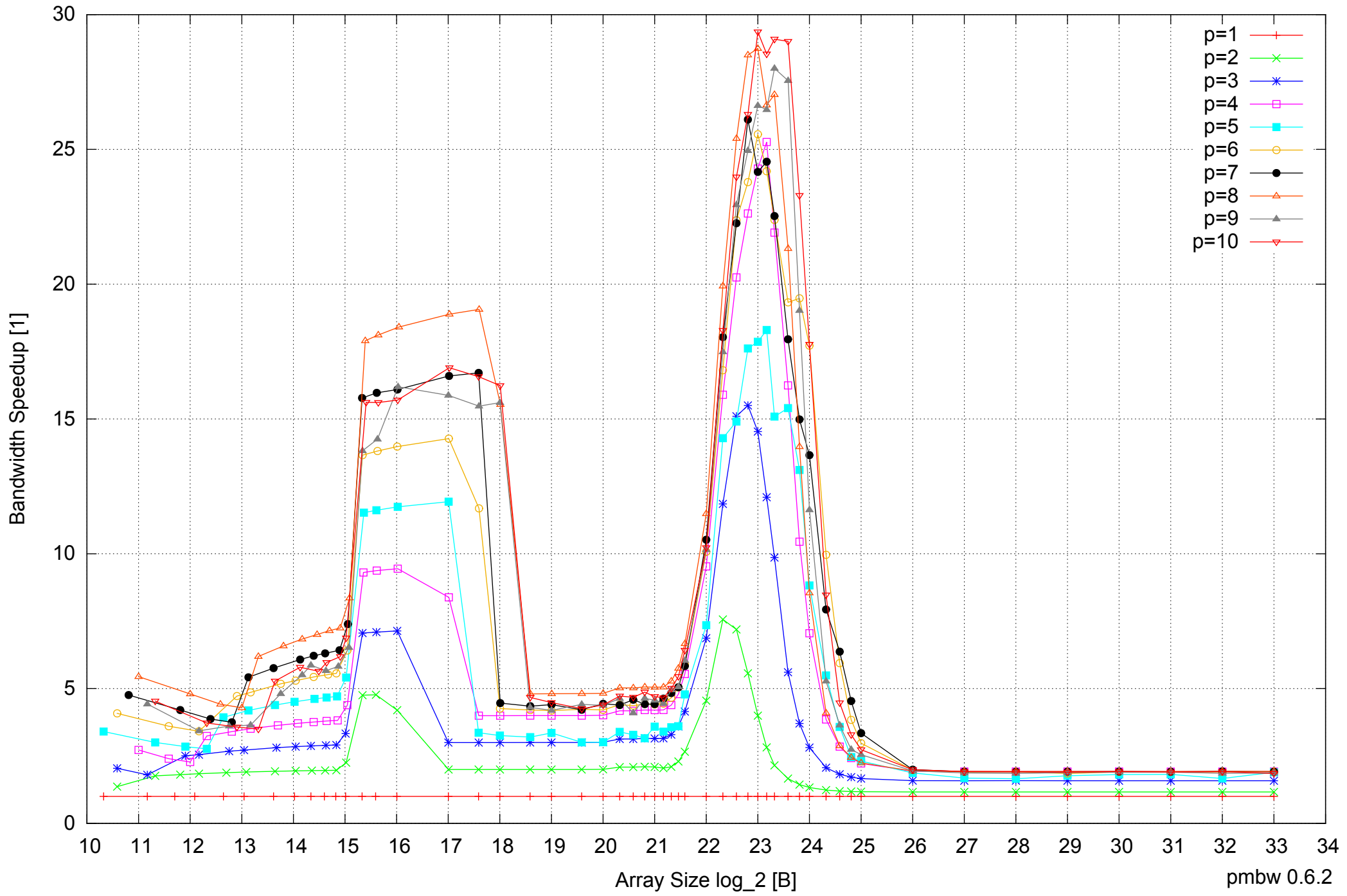
Intel Xeon E5345 16GB - Parallel Memory Bandwidth - ScanWrite128PtrSimpleLoop



Intel Xeon E5345 16GB - Parallel Memory Access Time - ScanWrite128PtrSimpleLoop



Intel Xeon E5345 16GB - Speedup of Parallel Memory Bandwidth - ScanWrite128PtrSimpleLoop

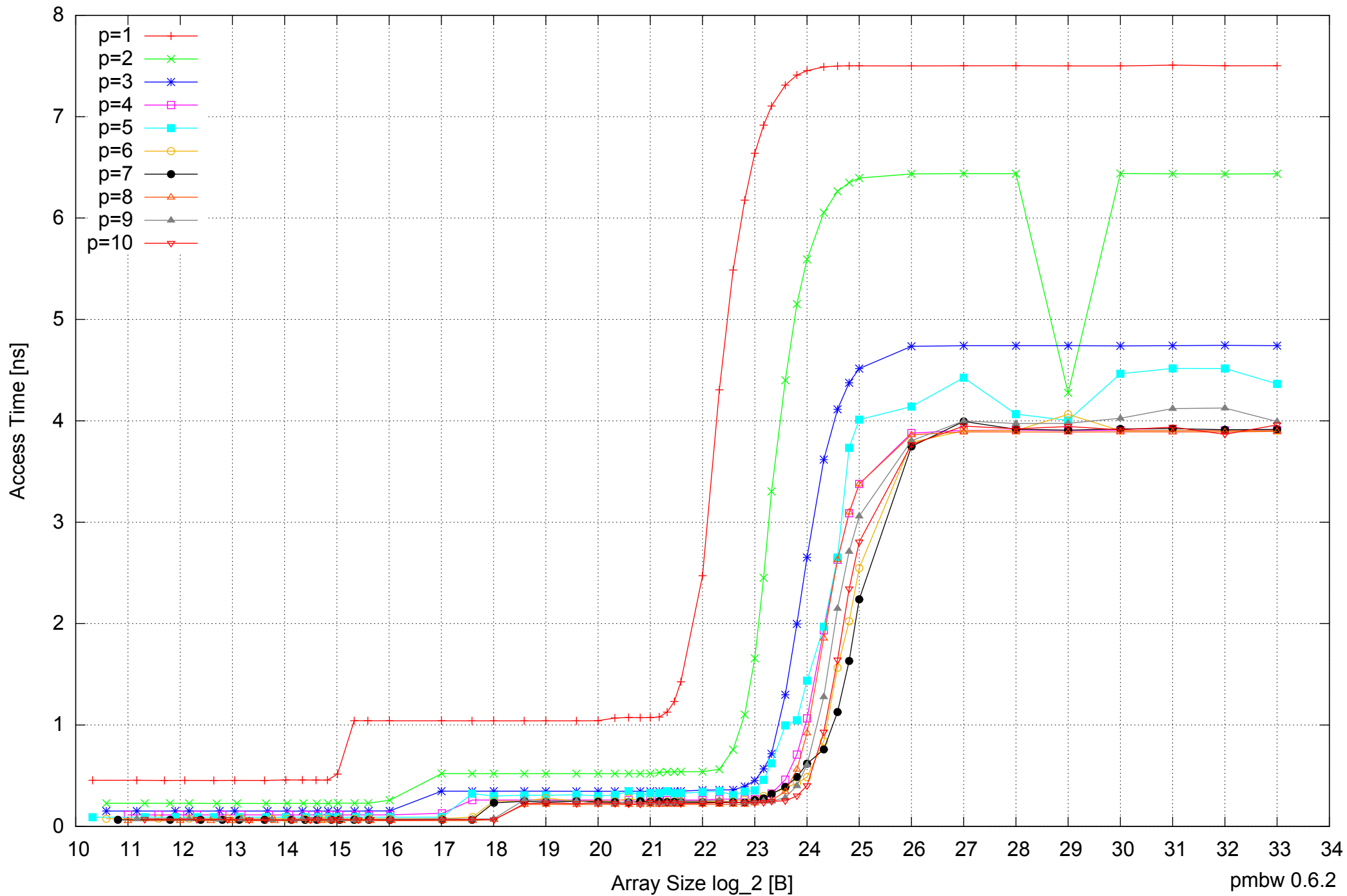






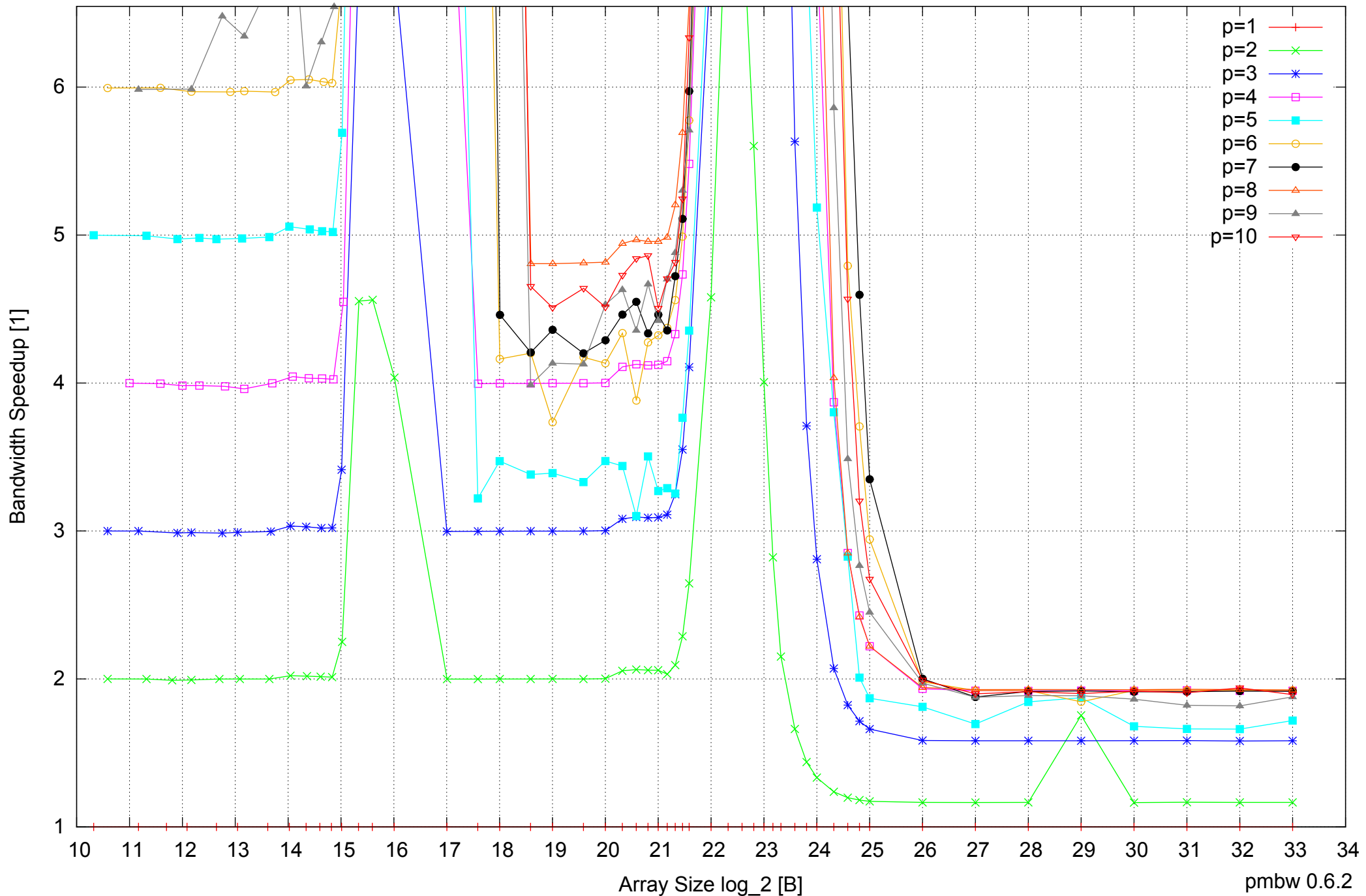


Intel Xeon E5345 16GB - Parallel Memory Access Time - ScanWrite128PtrUnrollLoop

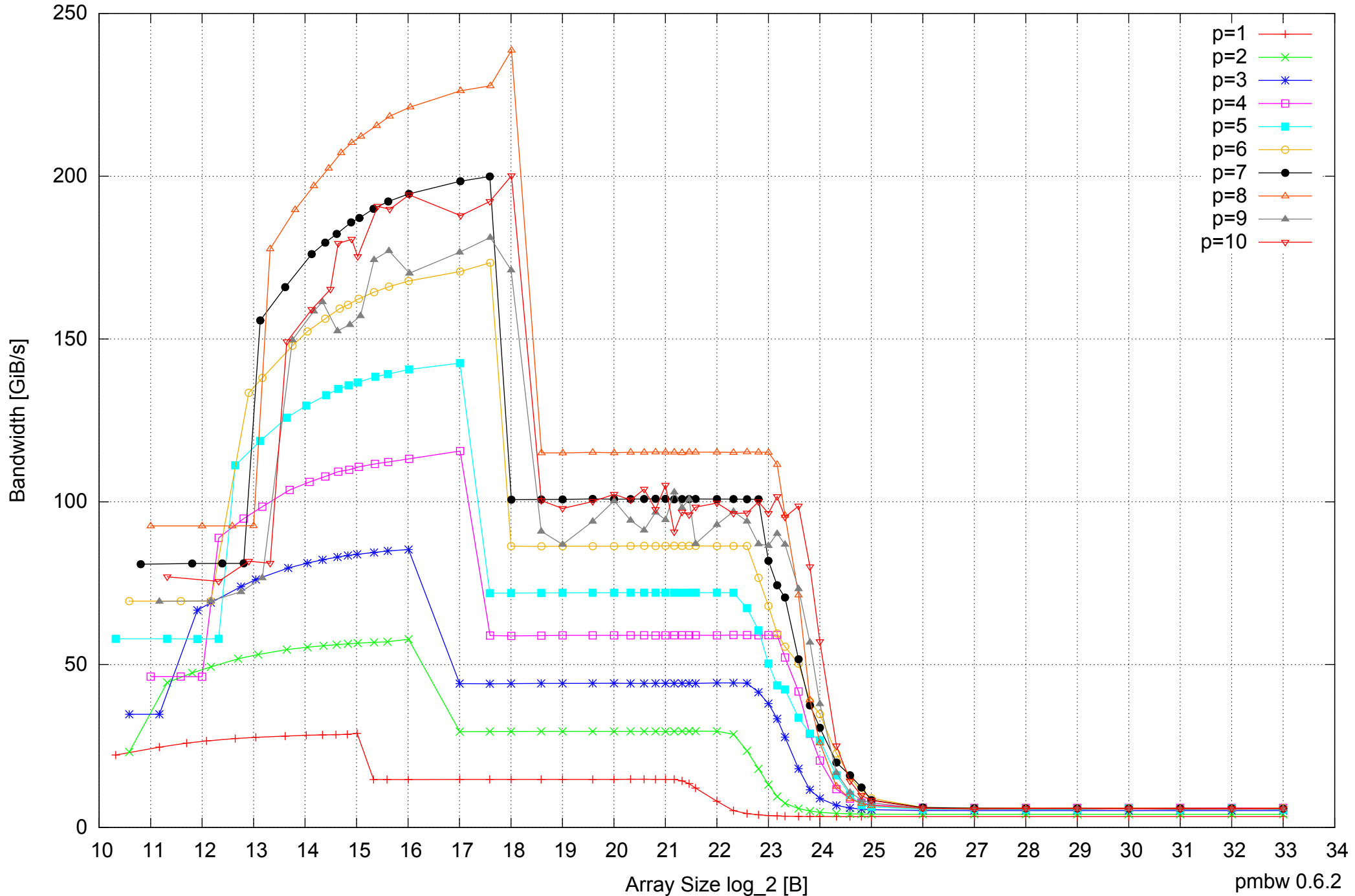




Intel Xeon E5345 16GB - Speedup of Parallel Memory Bandwidth (enlarged) - ScanWrite128PtrUnrollLoop

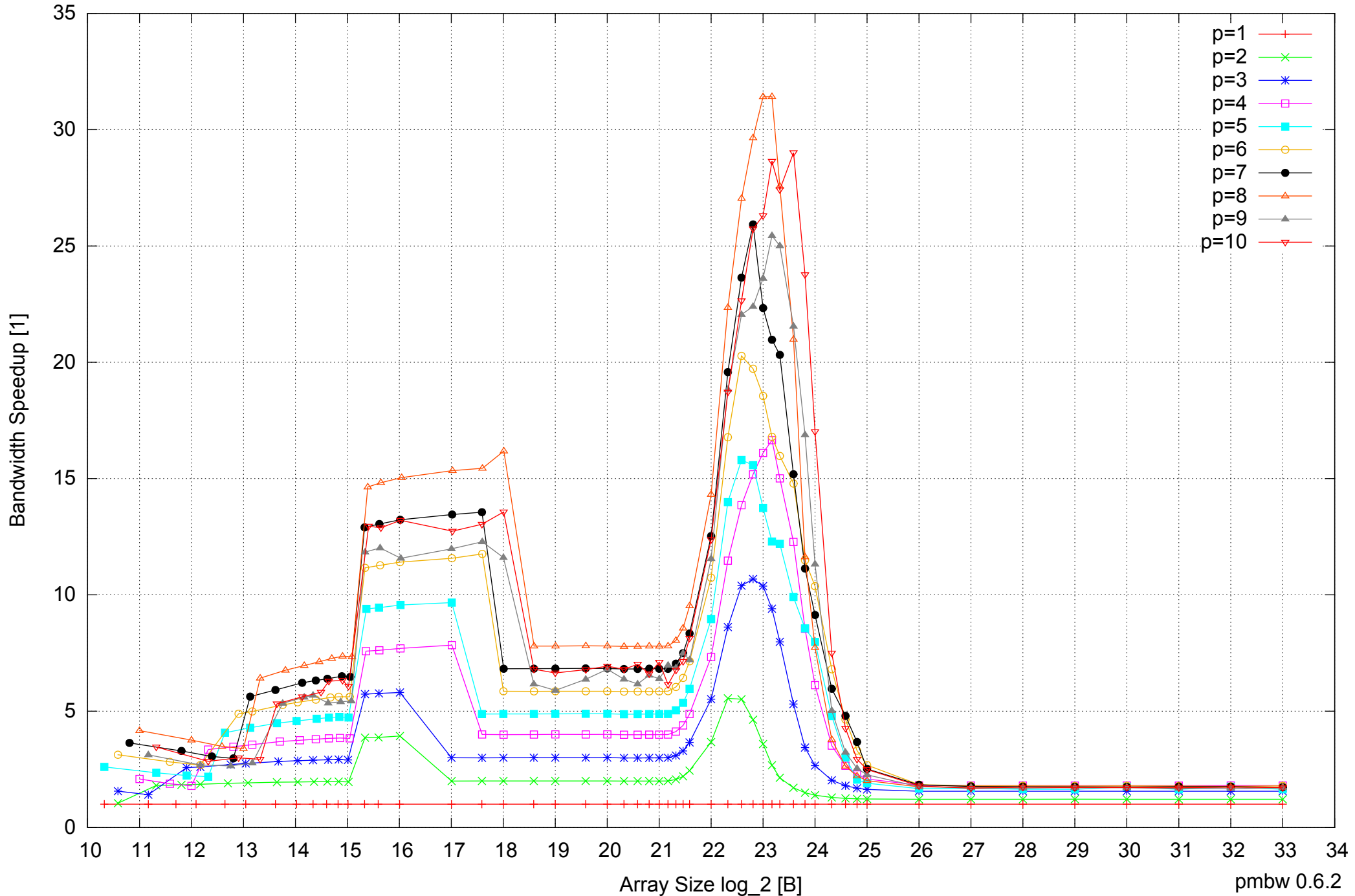


Intel Xeon E5345 16GB - Parallel Memory Bandwidth - ScanRead128PtrSimpleLoop

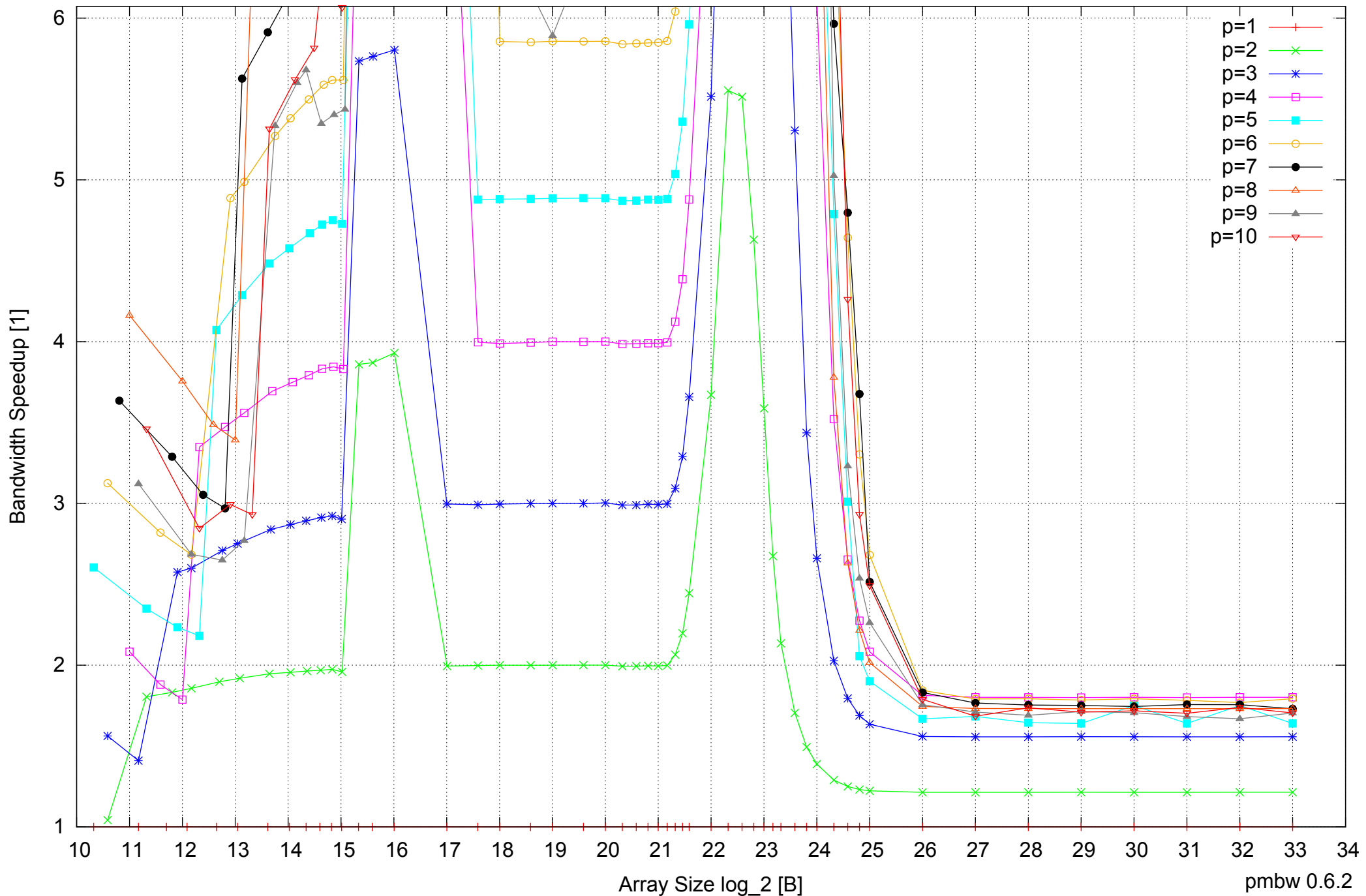




Intel Xeon E5345 16GB - Speedup of Parallel Memory Bandwidth - ScanRead128PtrSimpleLoop



Intel Xeon E5345 16GB - Speedup of Parallel Memory Bandwidth (enlarged) - ScanRead128PtrSimpleLoop

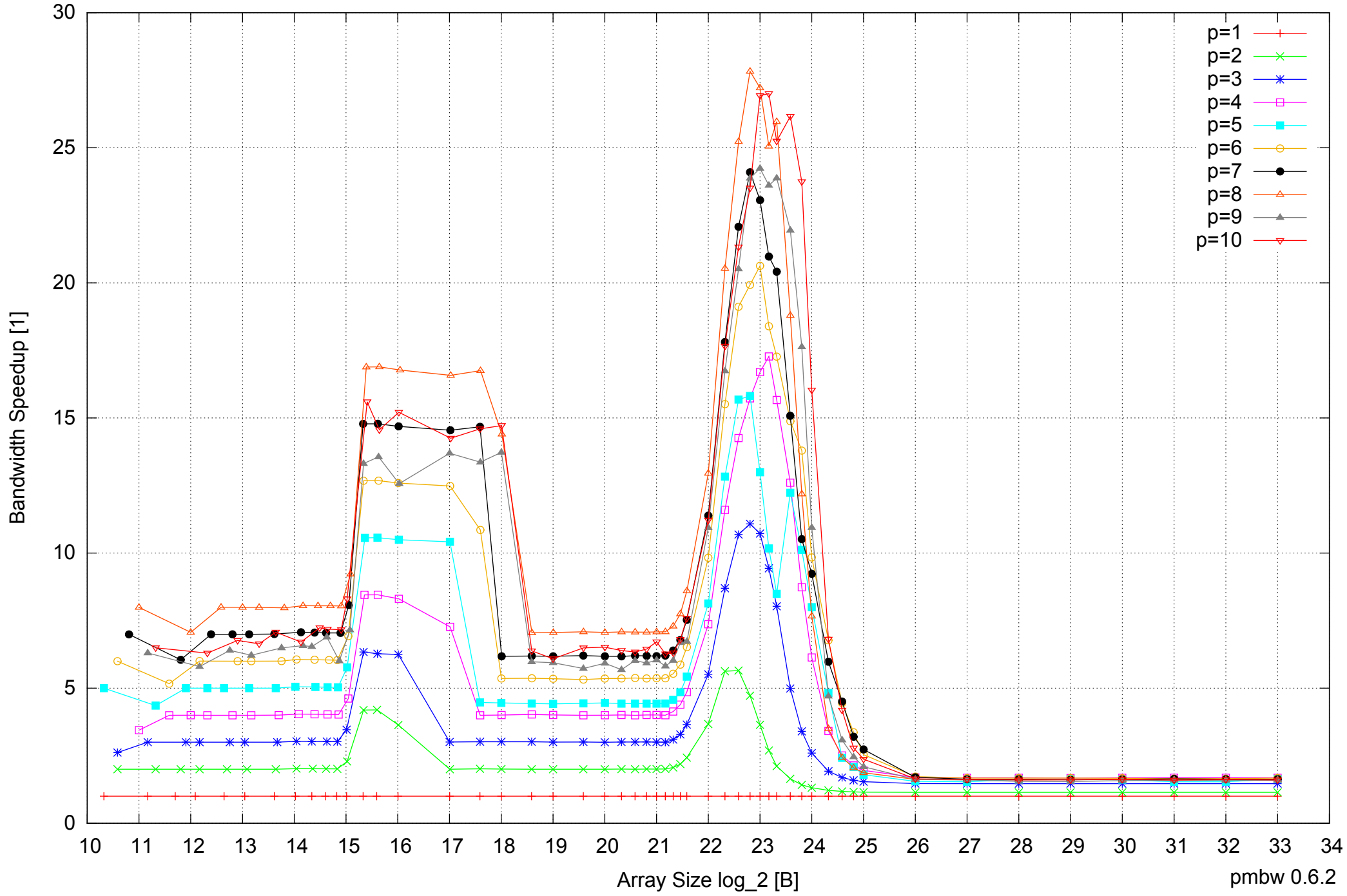




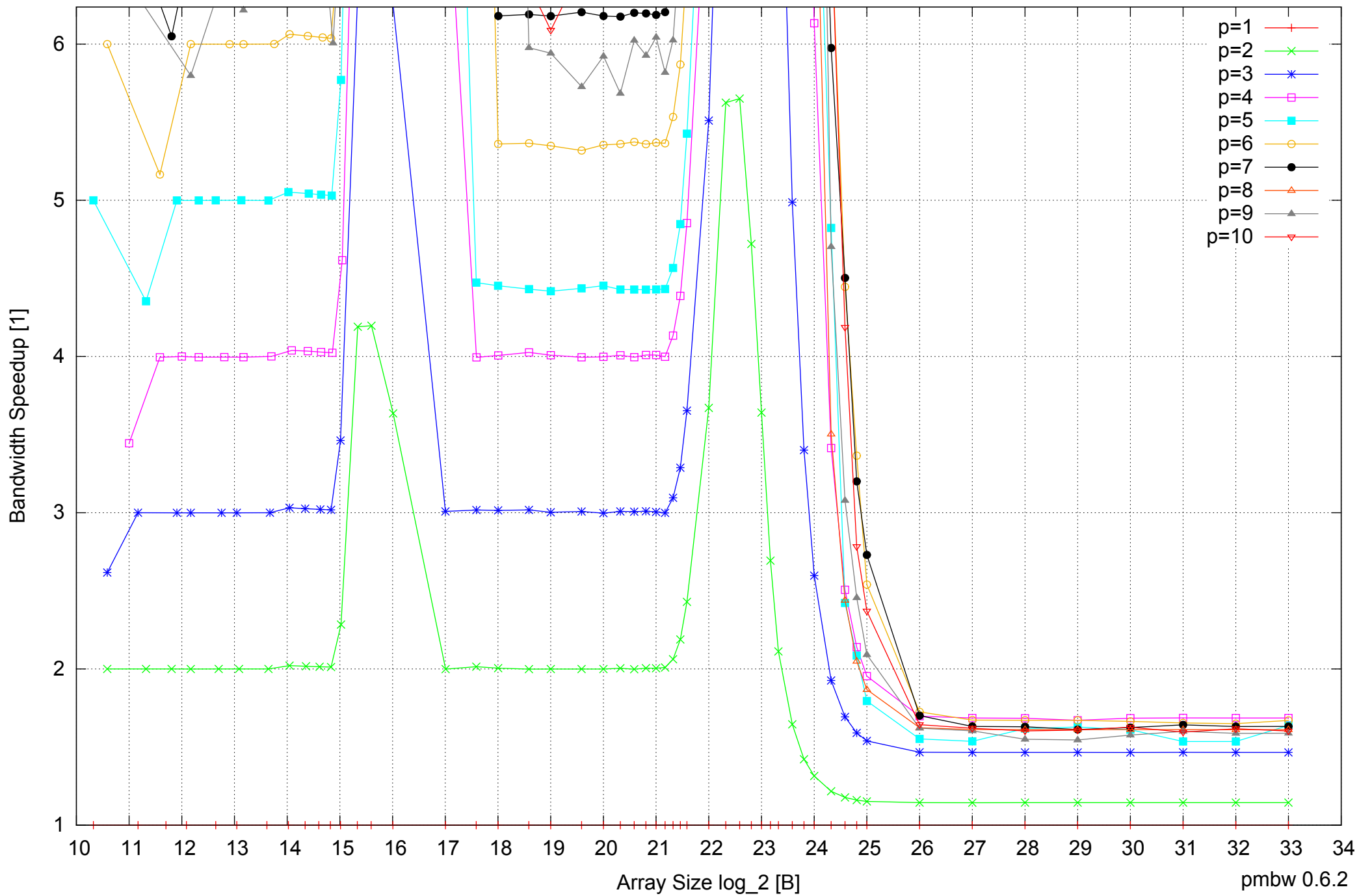




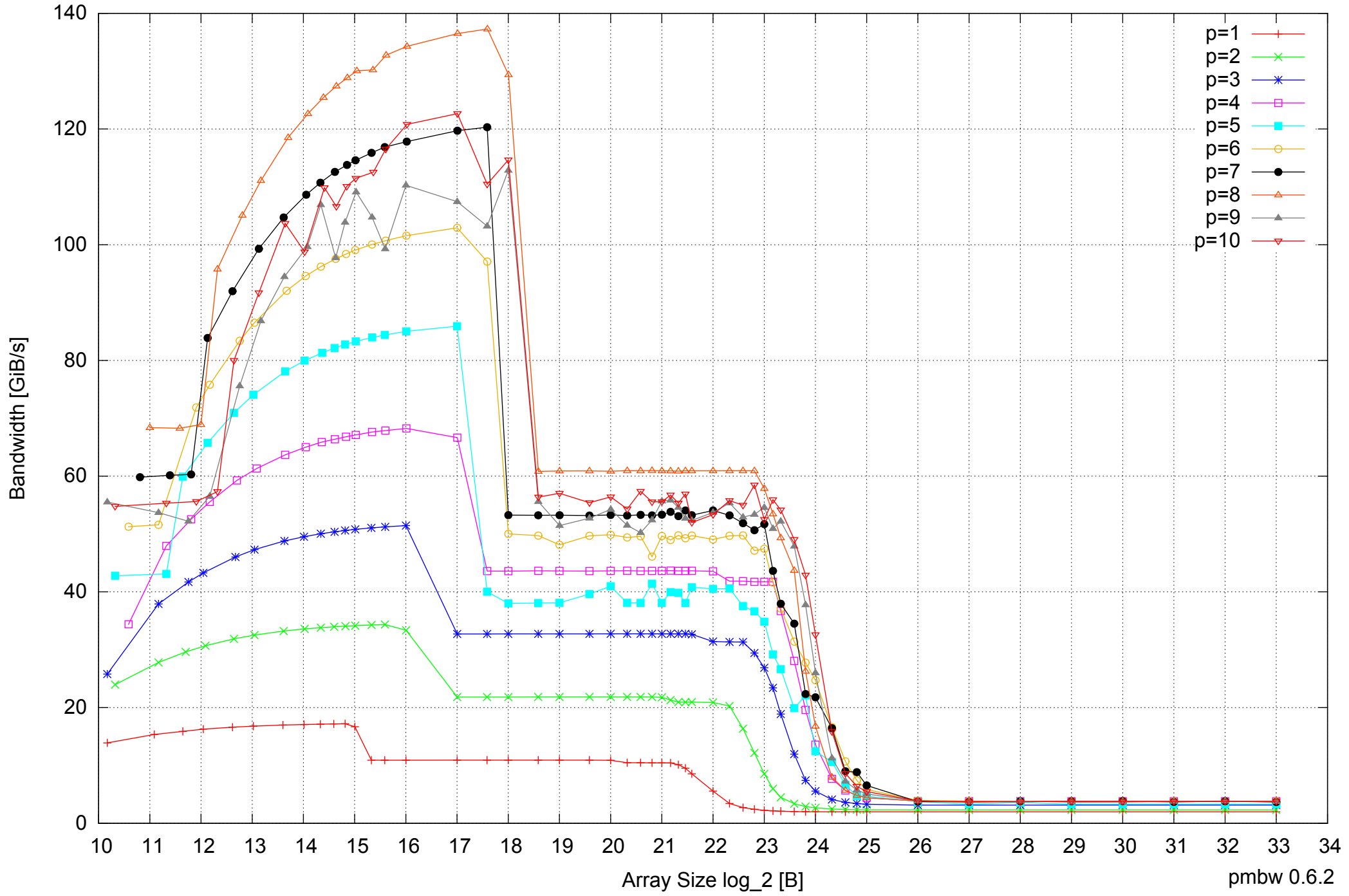
Intel Xeon E5345 16GB - Speedup of Parallel Memory Bandwidth - ScanRead128PtrUnrollLoop



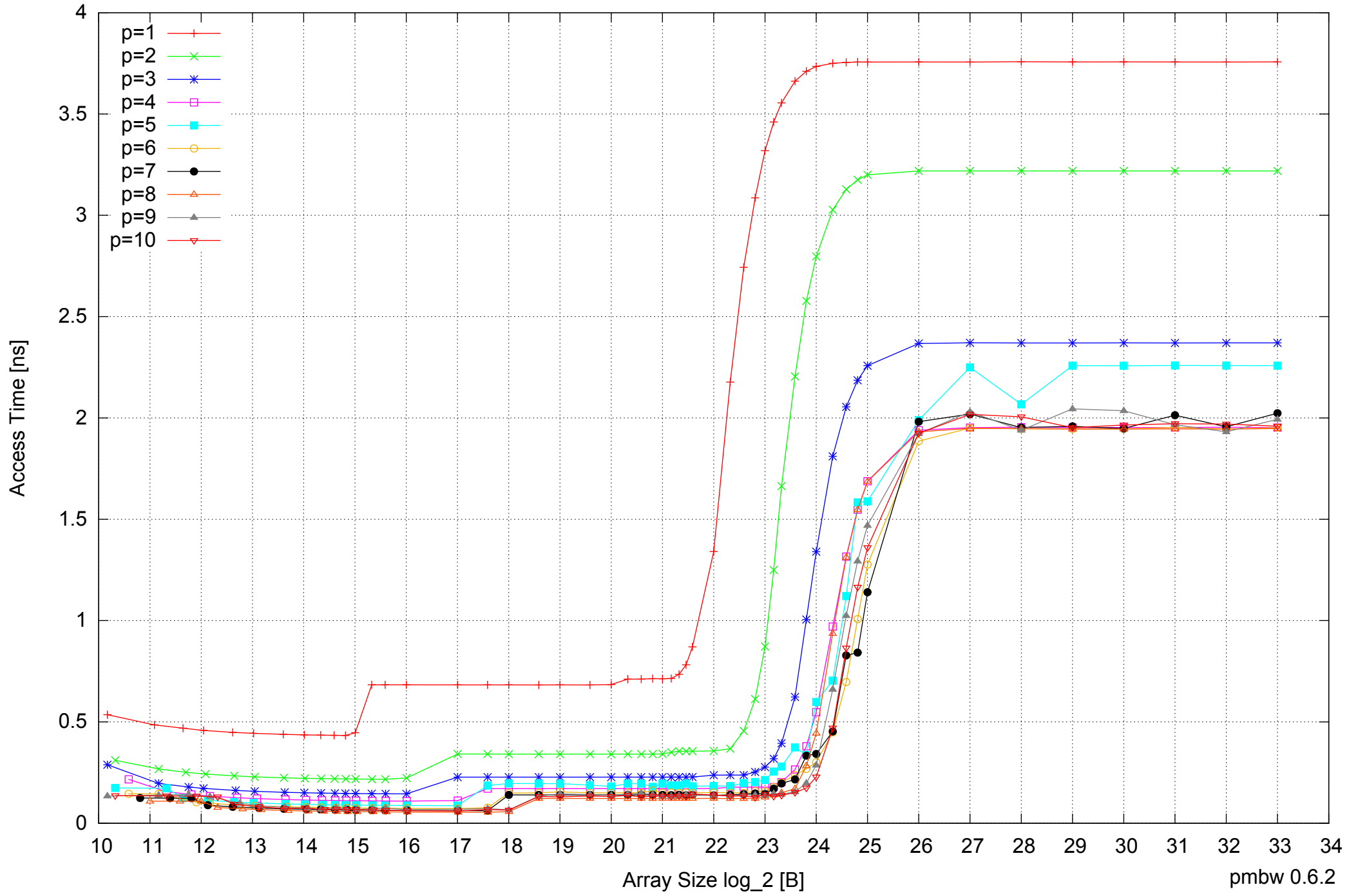
Intel Xeon E5345 16GB - Speedup of Parallel Memory Bandwidth (enlarged) - ScanRead128PtrUnrollLoop



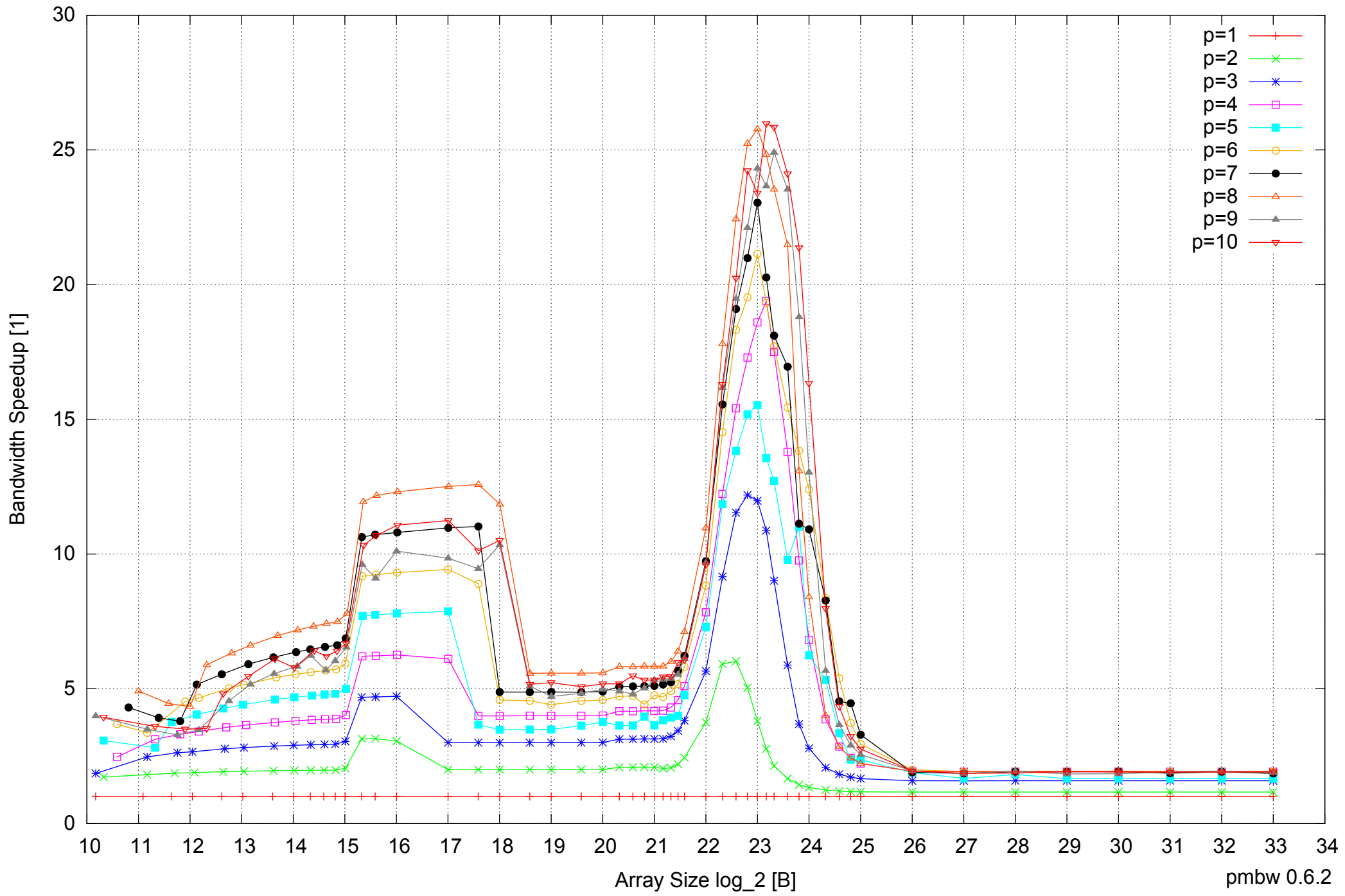
Intel Xeon E5345 16GB - Parallel Memory Bandwidth - ScanWrite64PtrSimpleLoop



Intel Xeon E5345 16GB - Parallel Memory Access Time - ScanWrite64PtrSimpleLoop



Intel Xeon E5345 16GB - Speedup of Parallel Memory Bandwidth - ScanWrite64PtrSimpleLoop

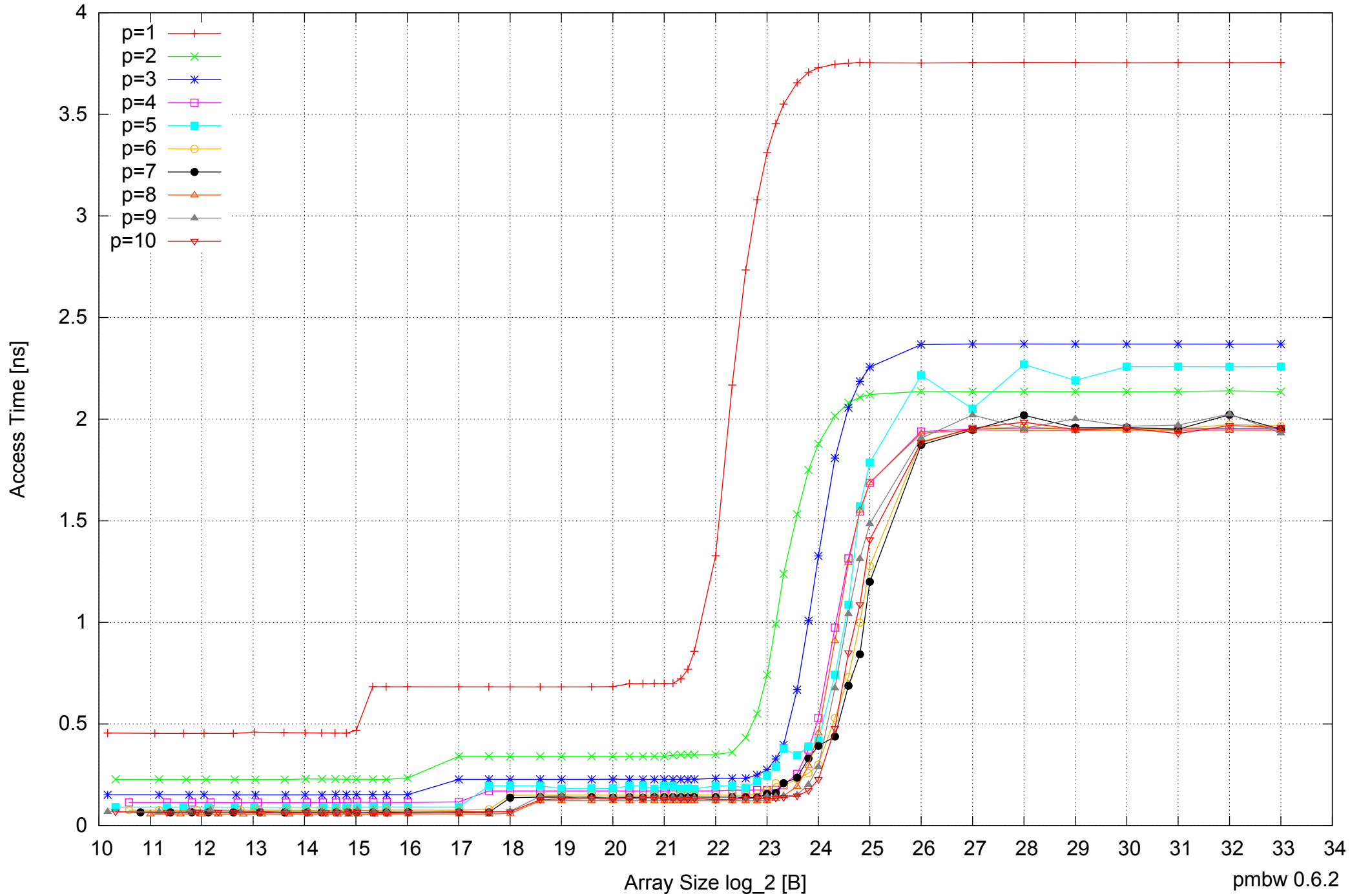






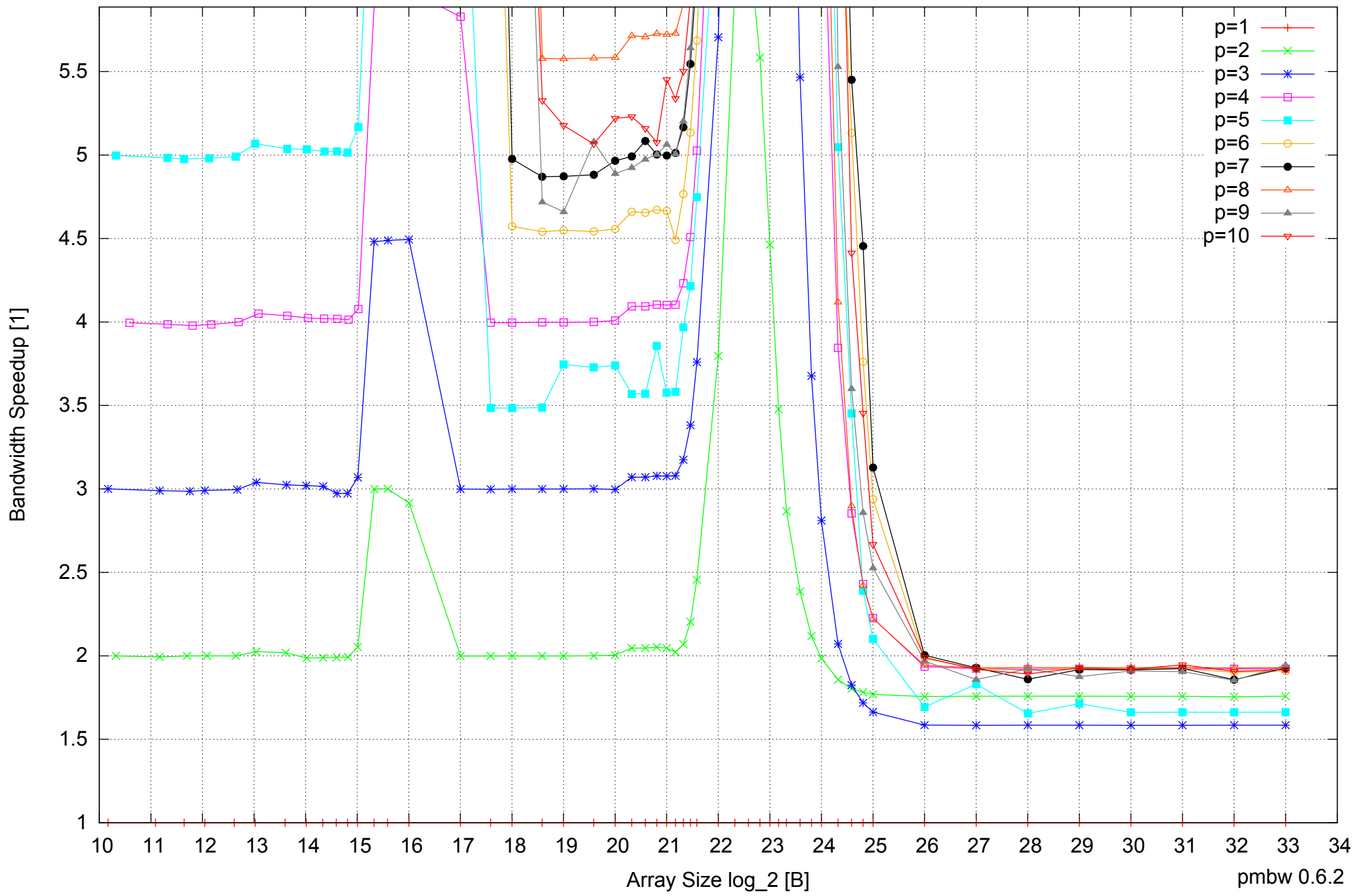


Intel Xeon E5345 16GB - Parallel Memory Access Time - ScanWrite64PtrUnrollLoop

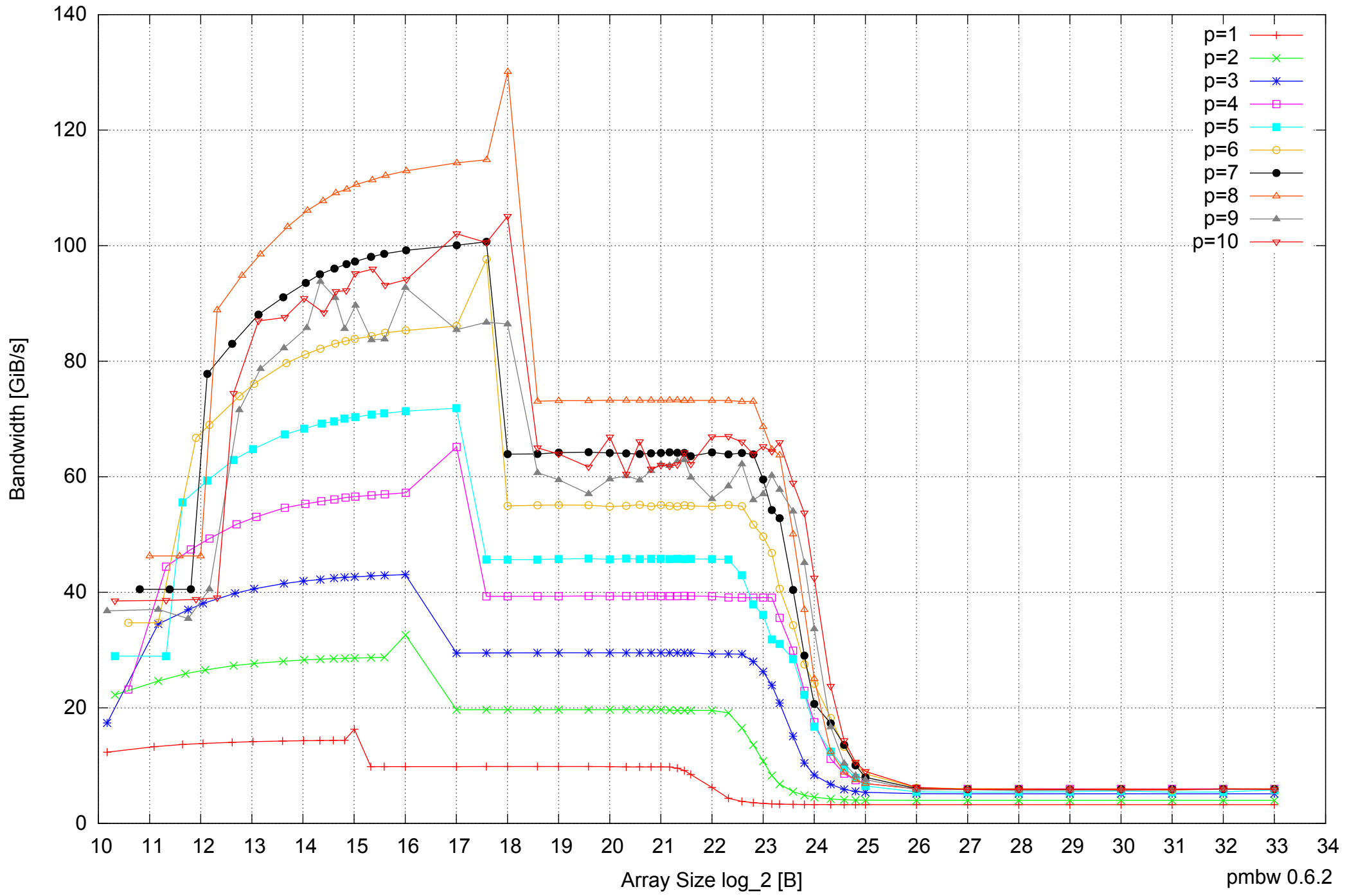




Intel Xeon E5345 16GB - Speedup of Parallel Memory Bandwidth (enlarged) - ScanWrite64PtrUnrollLoop



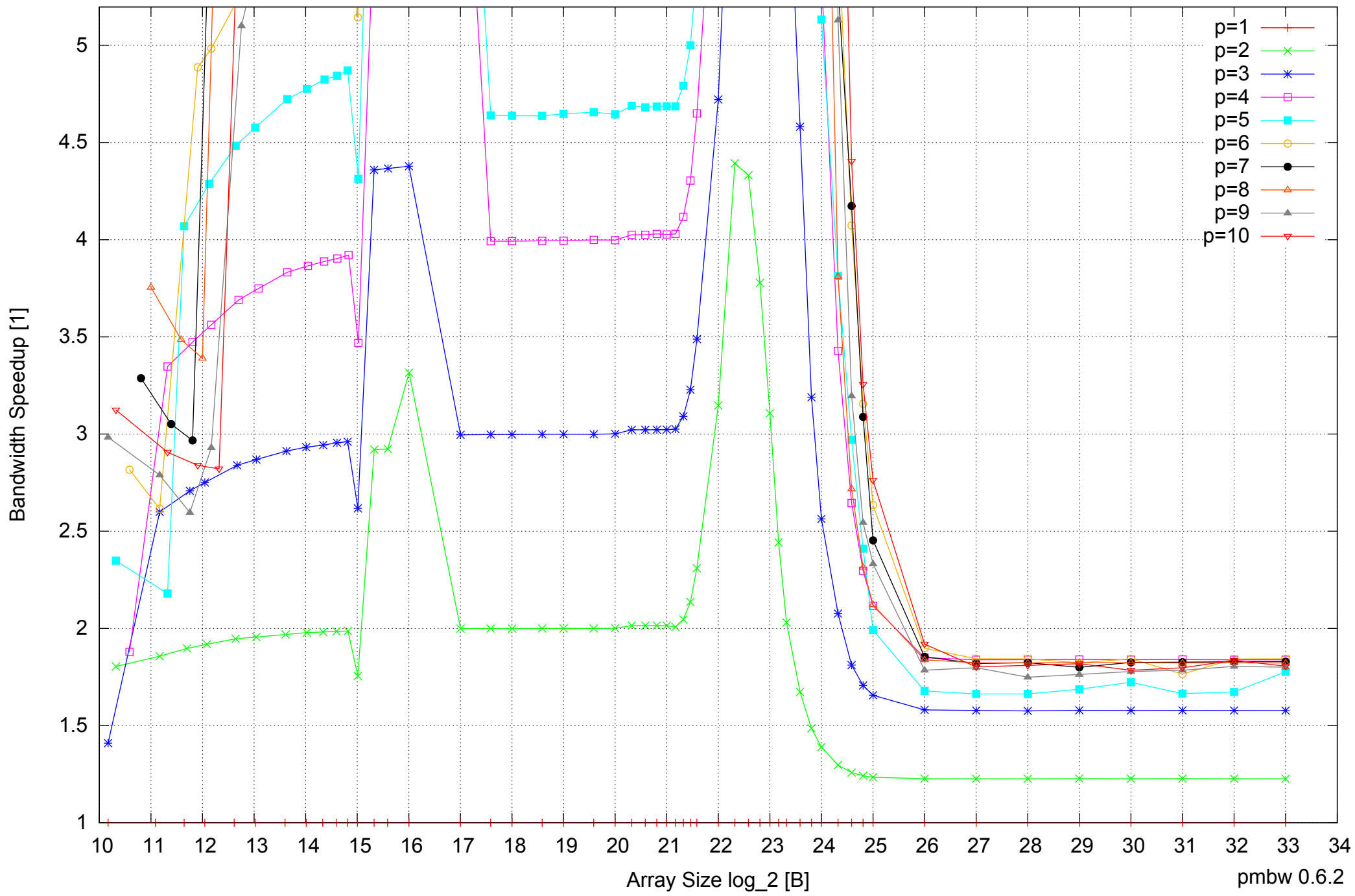
Intel Xeon E5345 16GB - Parallel Memory Bandwidth - ScanRead64PtrSimpleLoop







Intel Xeon E5345 16GB - Speedup of Parallel Memory Bandwidth (enlarged) - ScanRead64PtrSimpleLoop



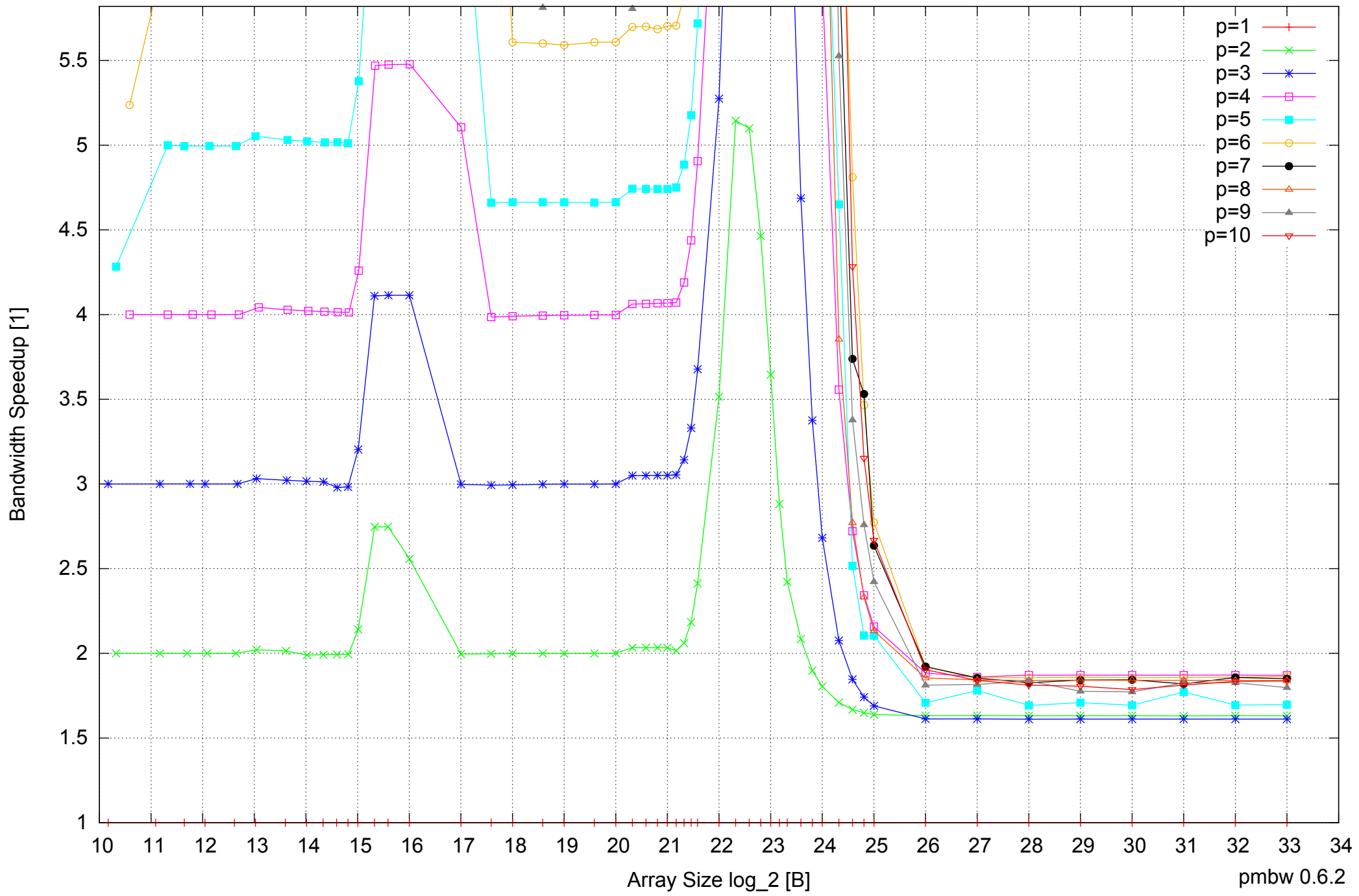






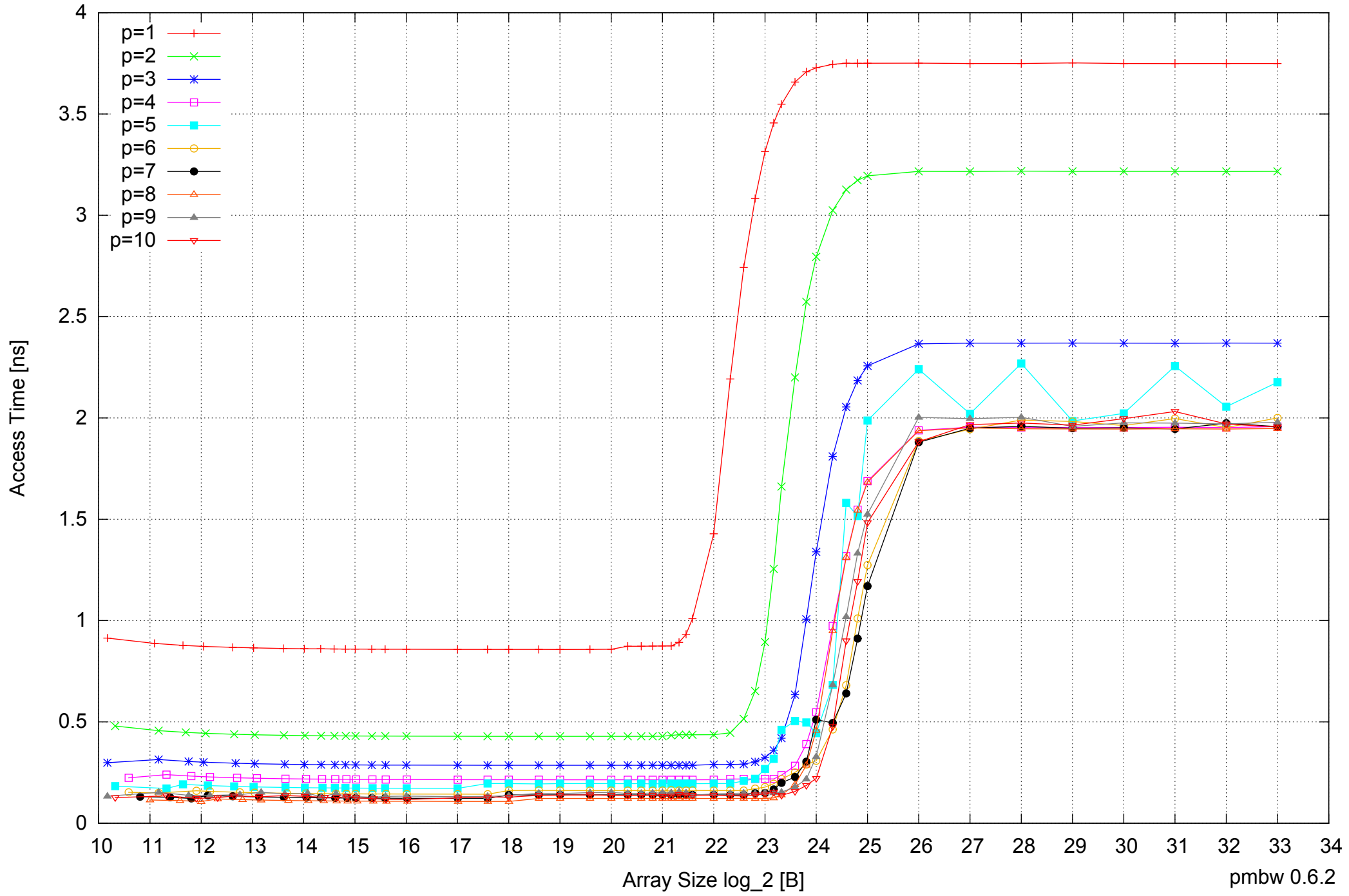


Intel Xeon E5345 16GB - Speedup of Parallel Memory Bandwidth (enlarged) - ScanRead64PtrUnrollLoop



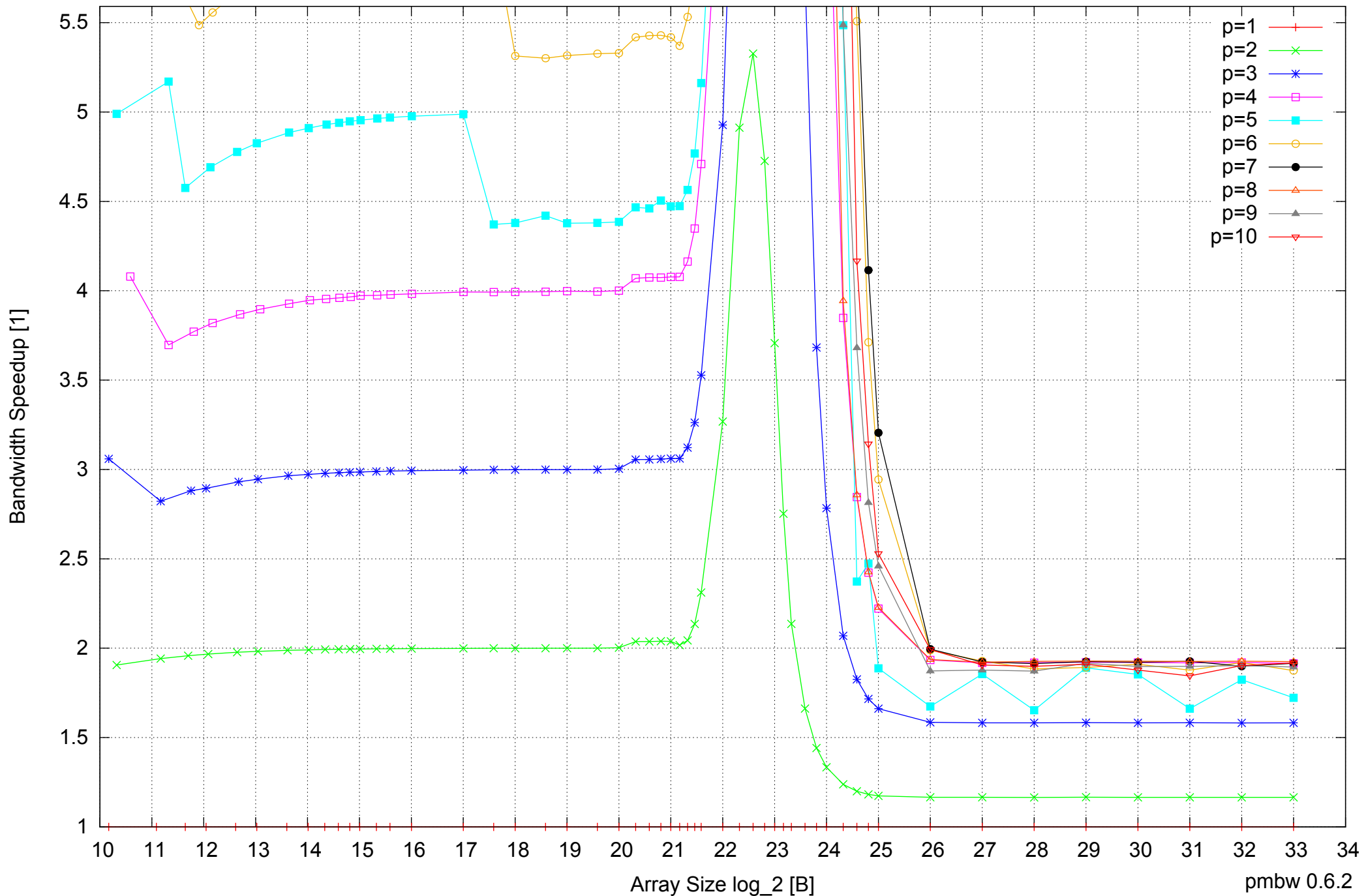


Intel Xeon E5345 16GB - Parallel Memory Access Time - ScanWrite64IndexSimpleLoop





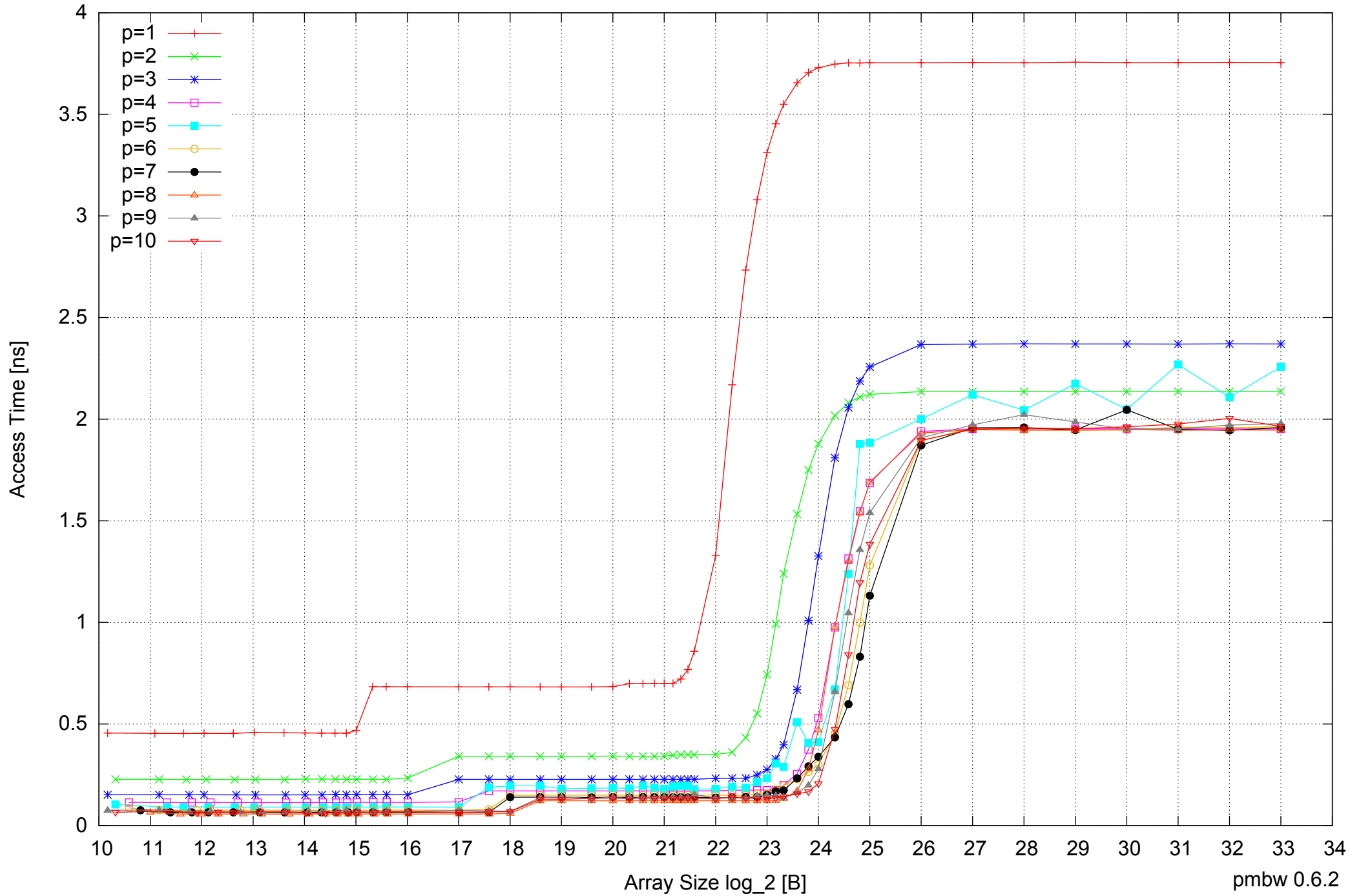
Intel Xeon E5345 16GB - Speedup of Parallel Memory Bandwidth (enlarged) - ScanWrite64IndexSimpleLoop







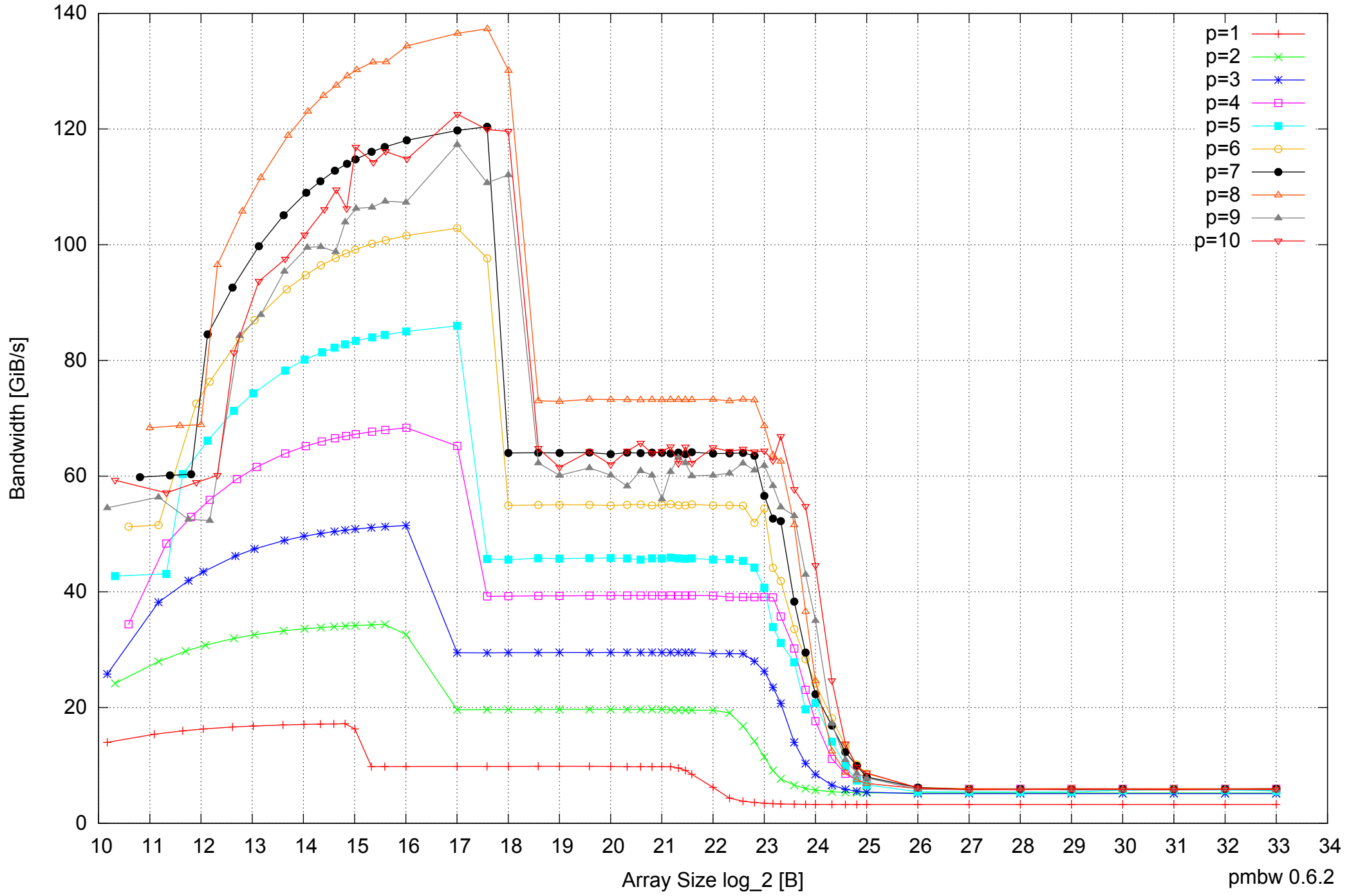
Intel Xeon E5345 16GB - Parallel Memory Access Time - ScanWrite64IndexUnrollLoop



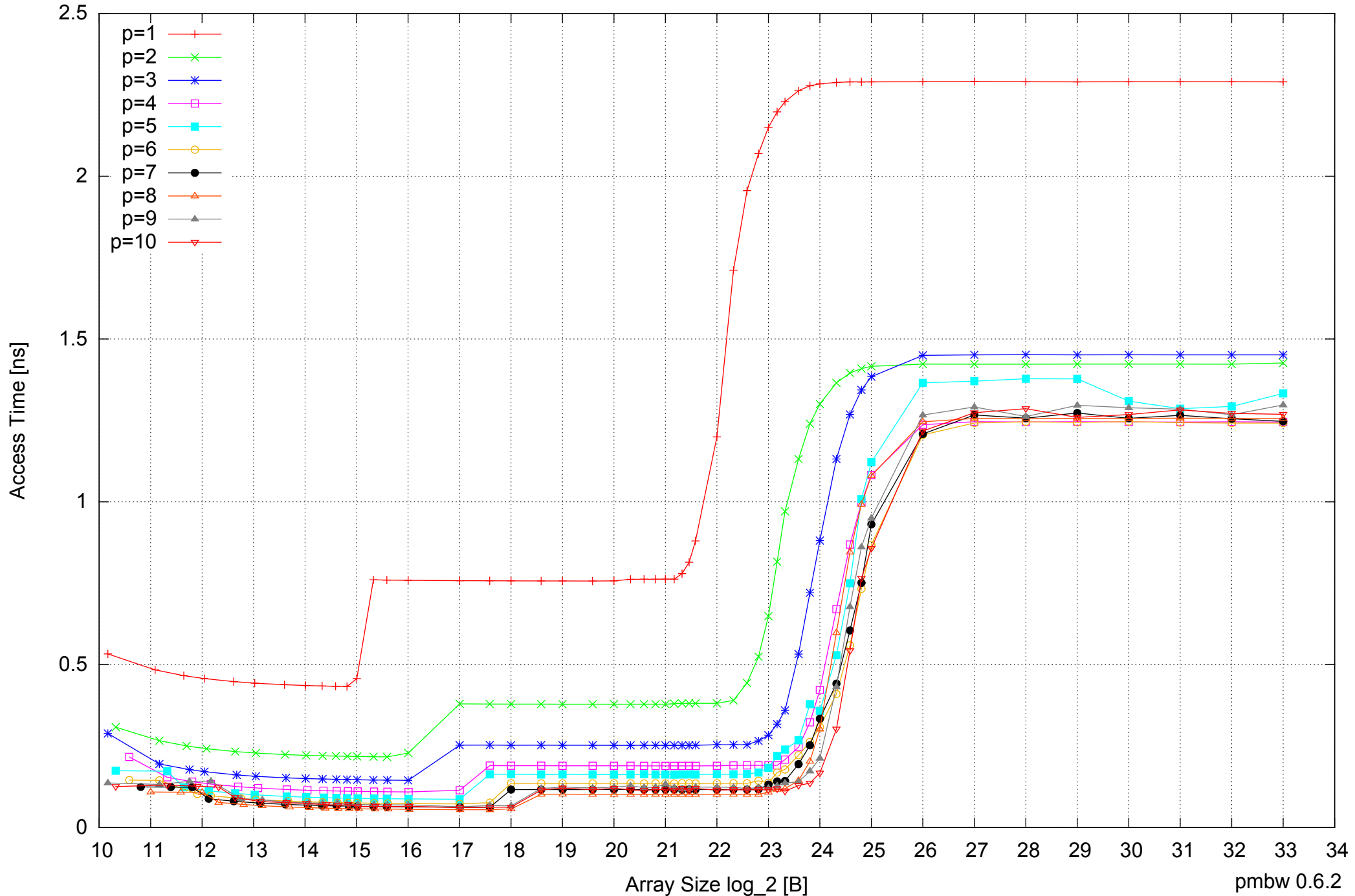




Intel Xeon E5345 16GB - Parallel Memory Bandwidth - ScanRead64IndexSimpleLoop

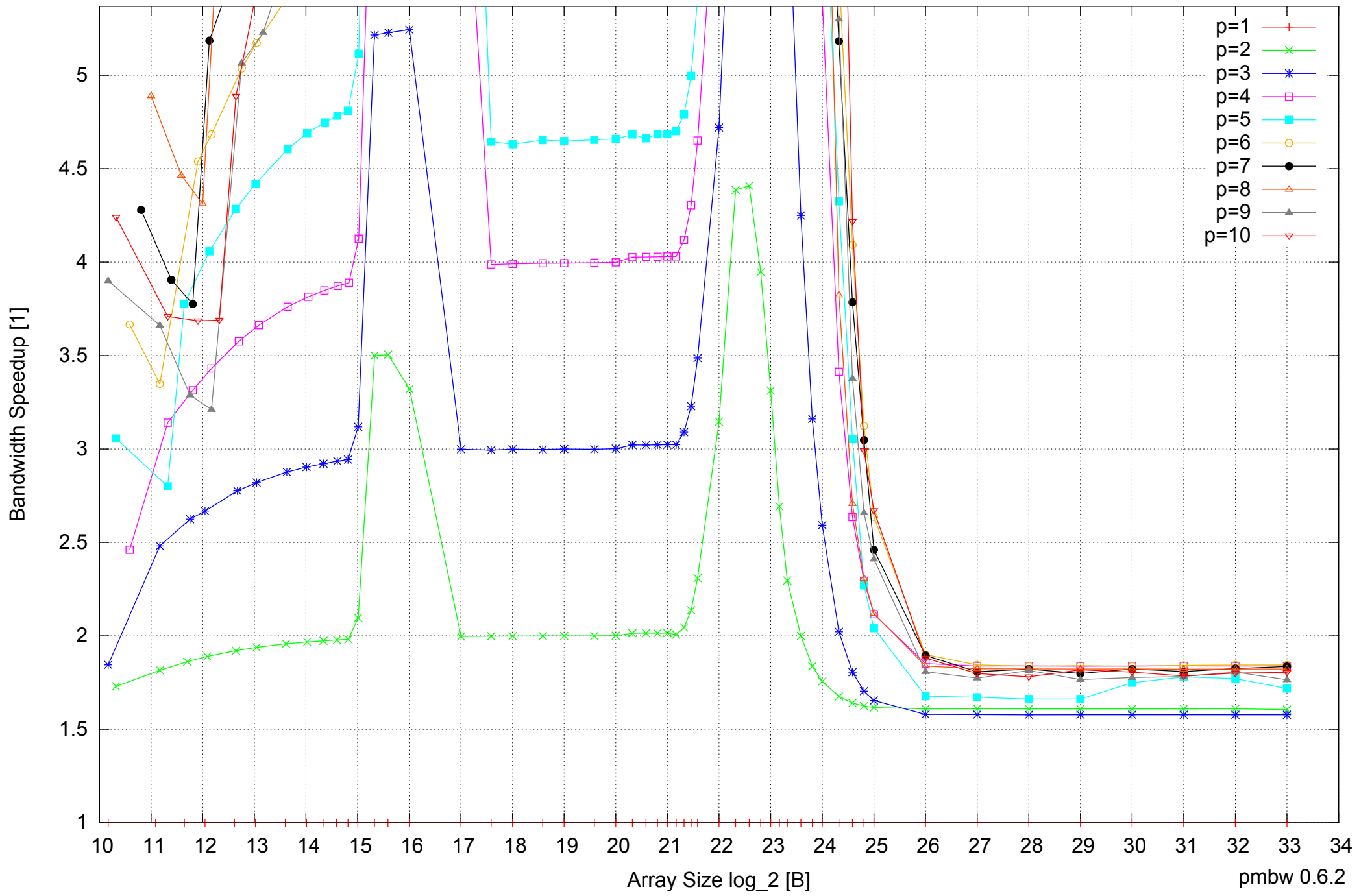


Intel Xeon E5345 16GB - Parallel Memory Access Time - ScanRead64IndexSimpleLoop





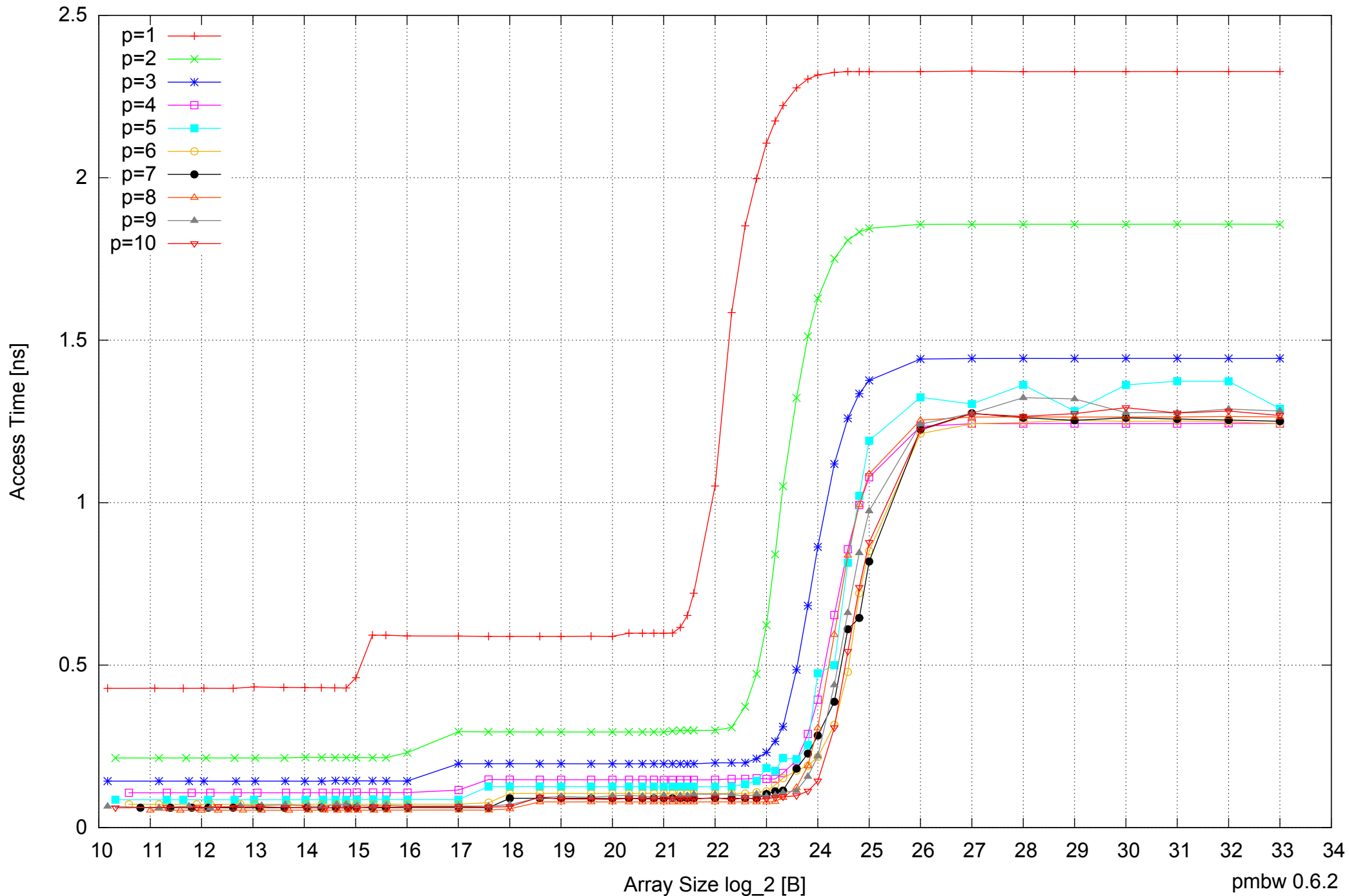
Intel Xeon E5345 16GB - Speedup of Parallel Memory Bandwidth (enlarged) - ScanRead64IndexSimpleLoop



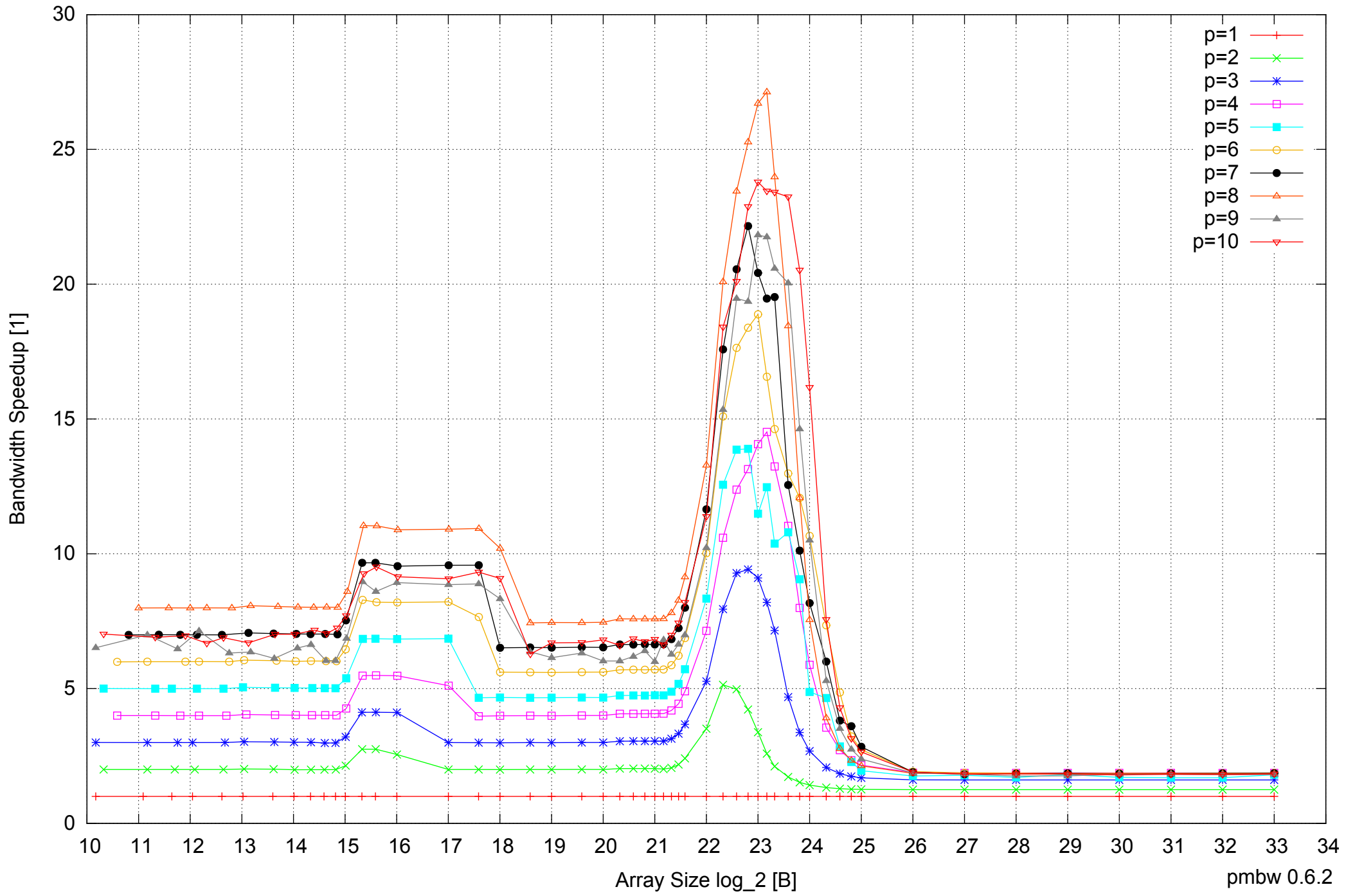




Intel Xeon E5345 16GB - Parallel Memory Access Time - ScanRead64IndexUnrollLoop



Intel Xeon E5345 16GB - Speedup of Parallel Memory Bandwidth - ScanRead64IndexUnrollLoop

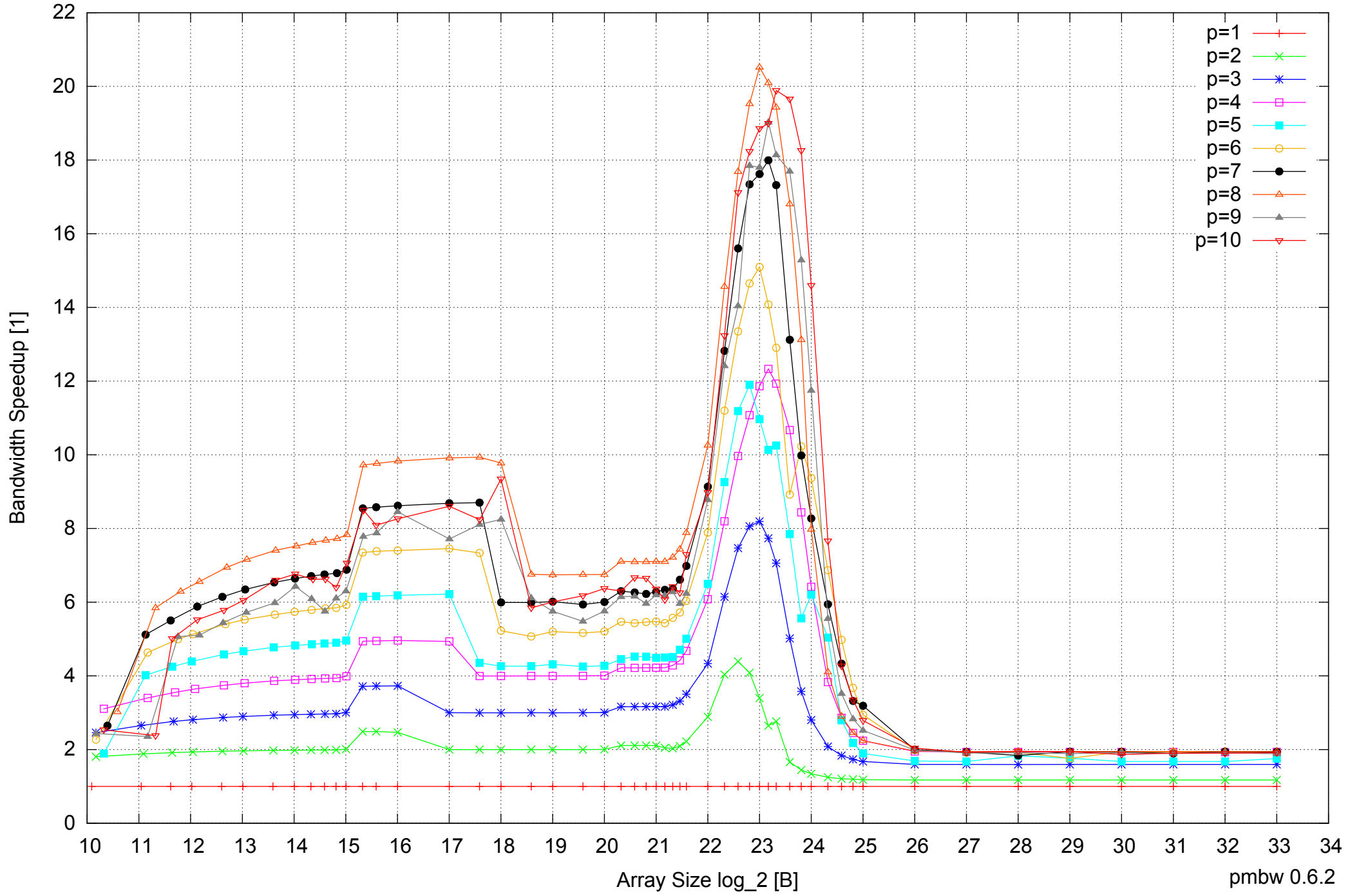




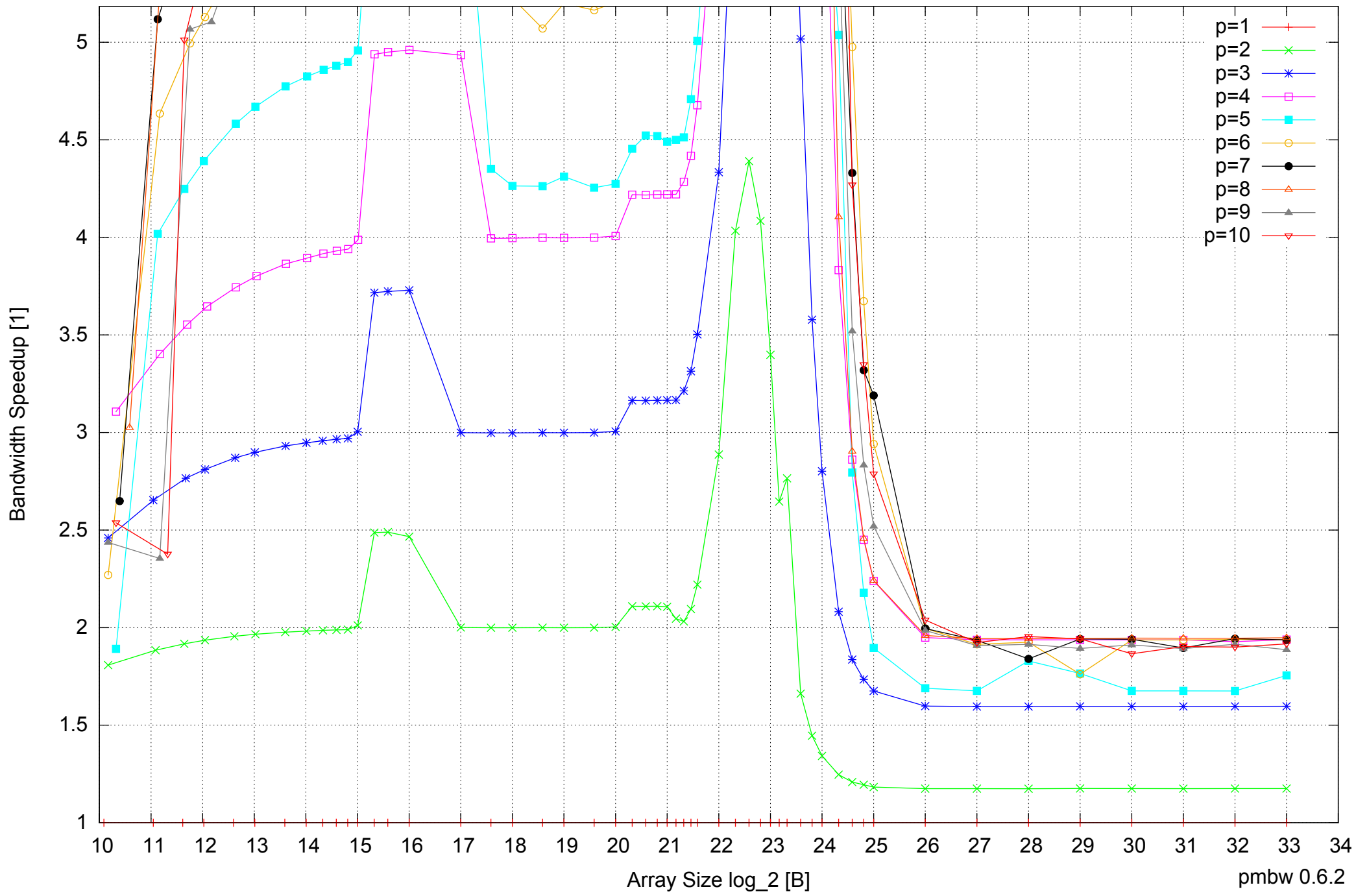




Intel Xeon E5345 16GB - Speedup of Parallel Memory Bandwidth - ScanWrite32PtrSimpleLoop

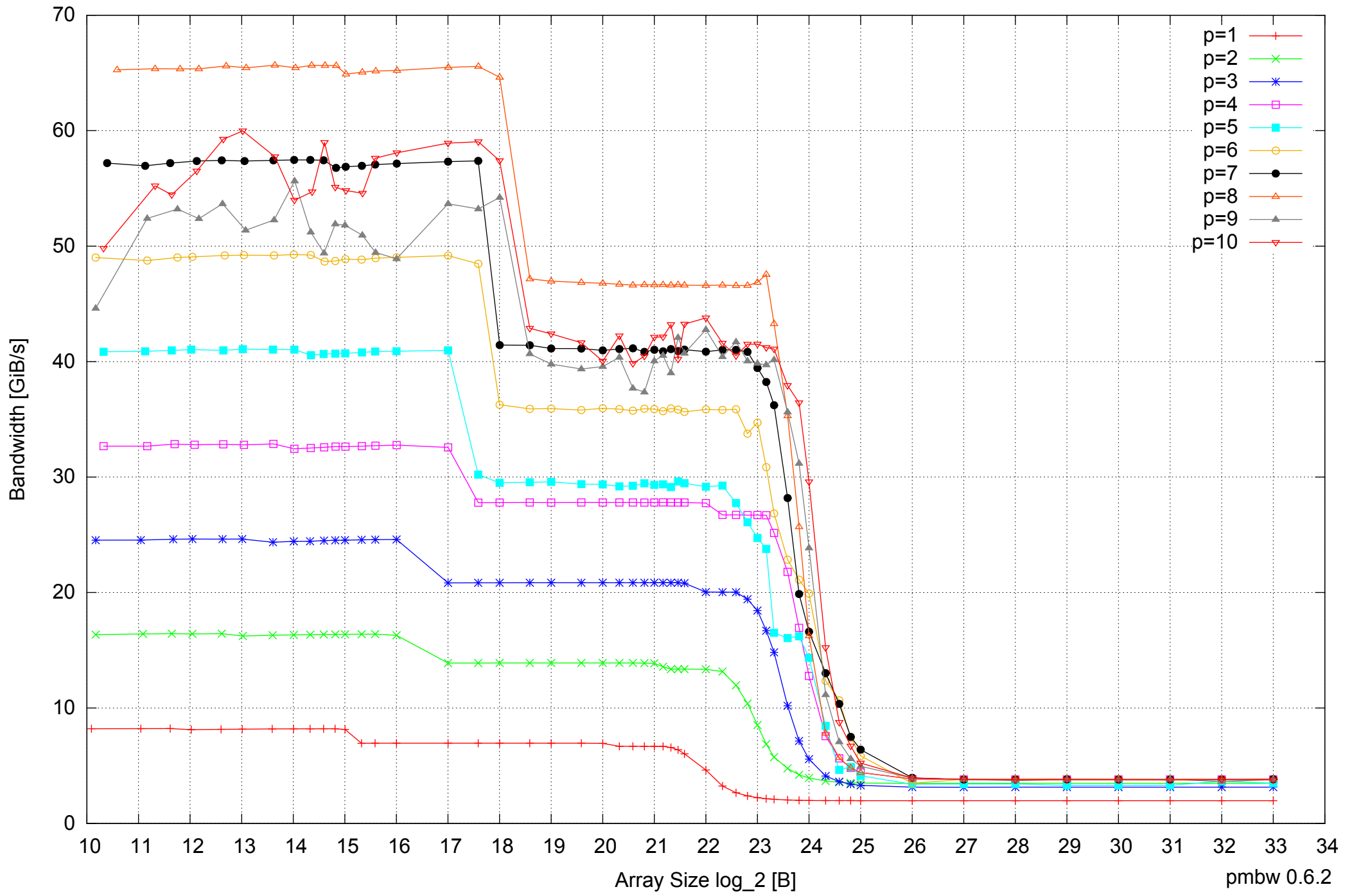


Intel Xeon E5345 16GB - Speedup of Parallel Memory Bandwidth (enlarged) - ScanWrite32PtrSimpleLoop

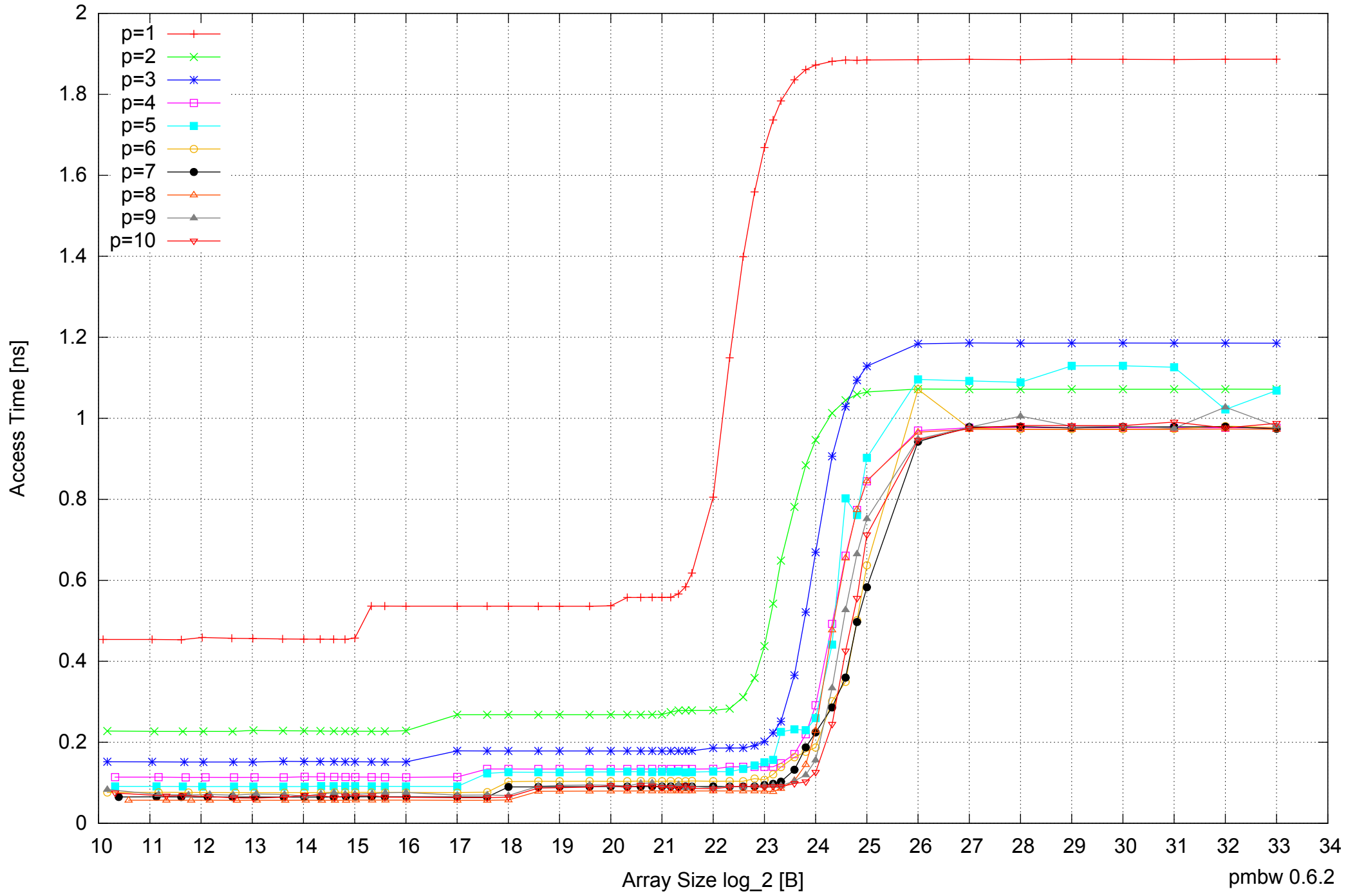




Intel Xeon E5345 16GB - Parallel Memory Bandwidth - ScanWrite32PtrUnrollLoop

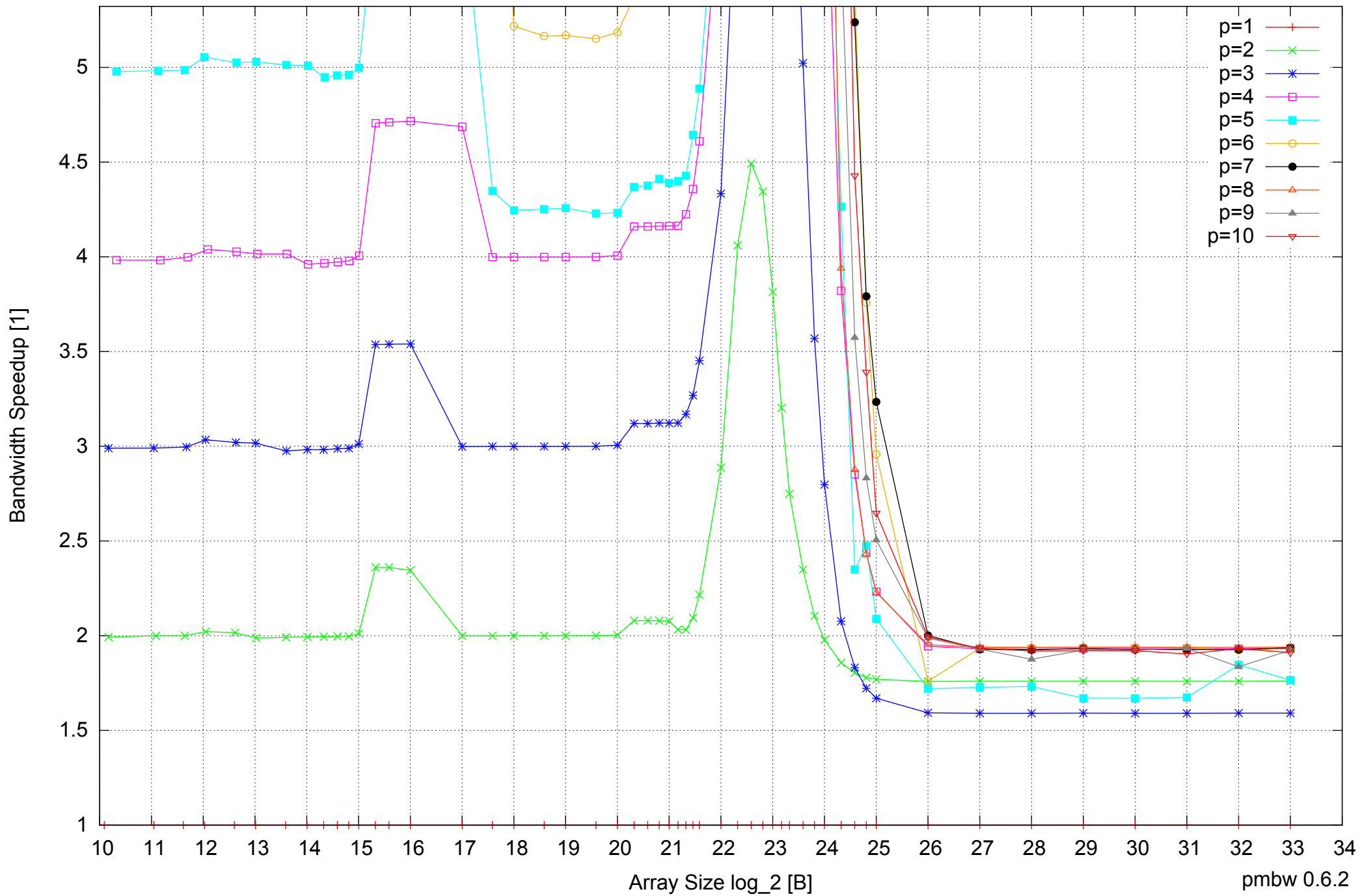


Intel Xeon E5345 16GB - Parallel Memory Access Time - ScanWrite32PtrUnrollLoop

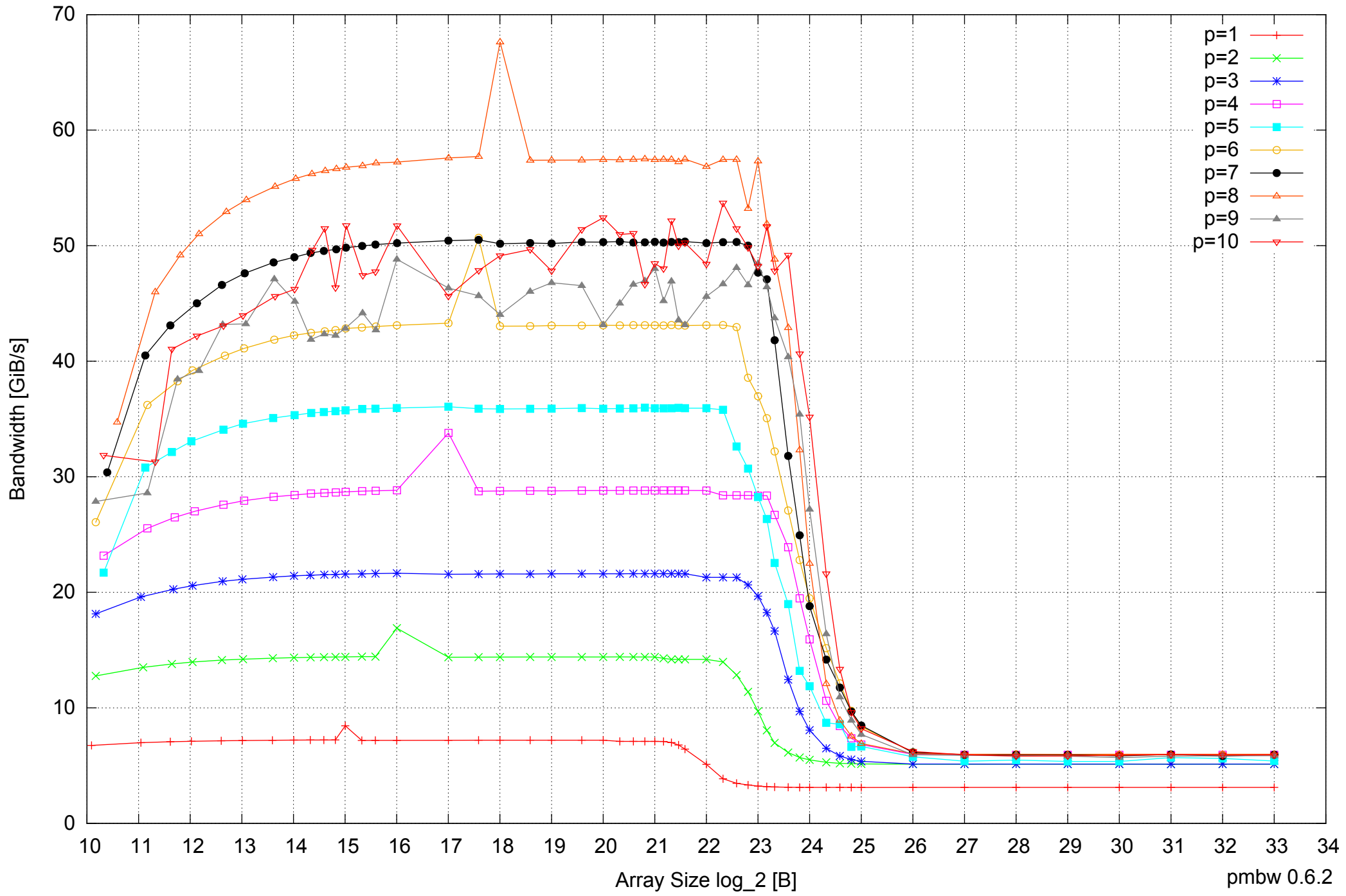




Intel Xeon E5345 16GB - Speedup of Parallel Memory Bandwidth (enlarged) - ScanWrite32PtrUnrollLoop



Intel Xeon E5345 16GB - Parallel Memory Bandwidth - ScanRead32PtrSimpleLoop



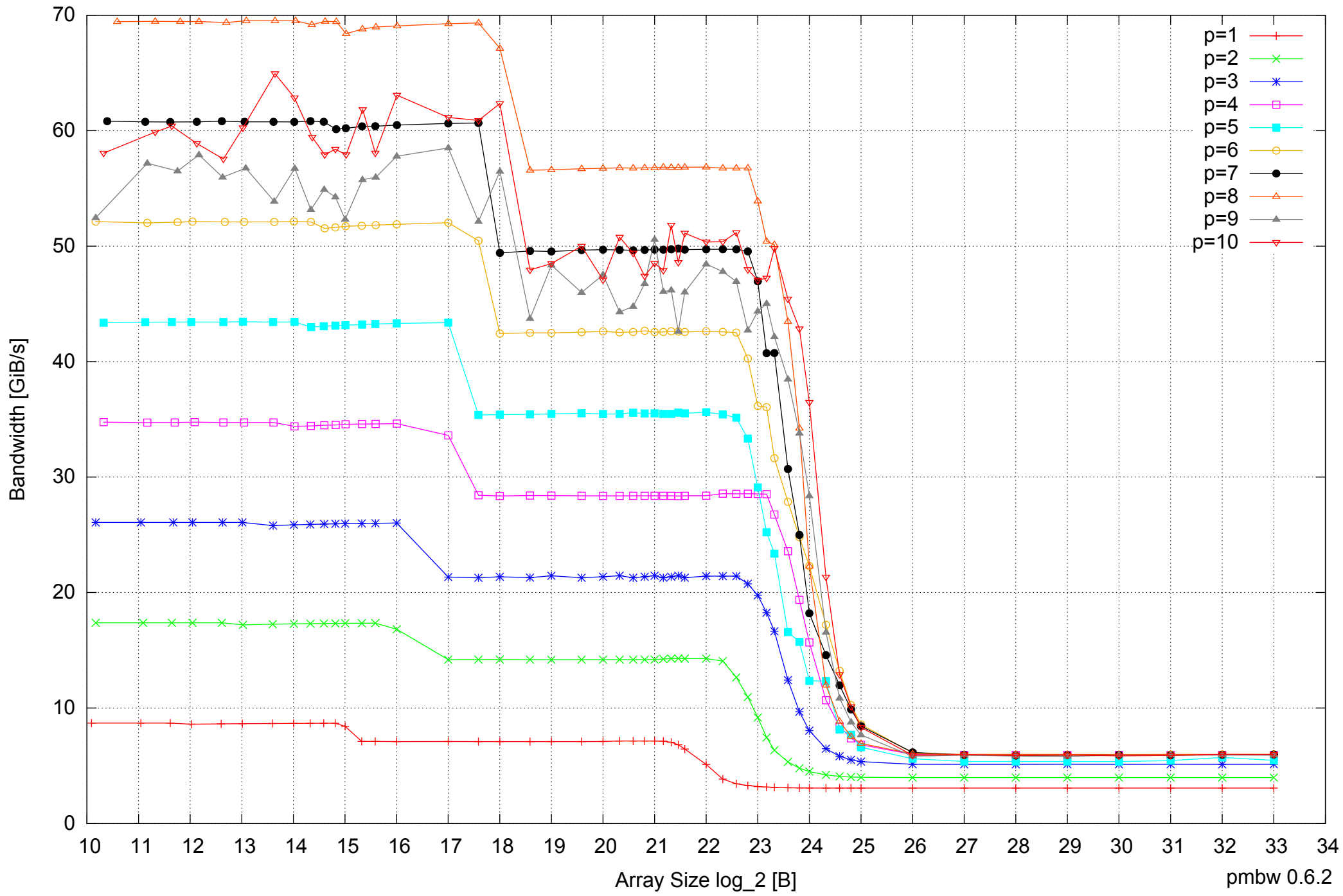




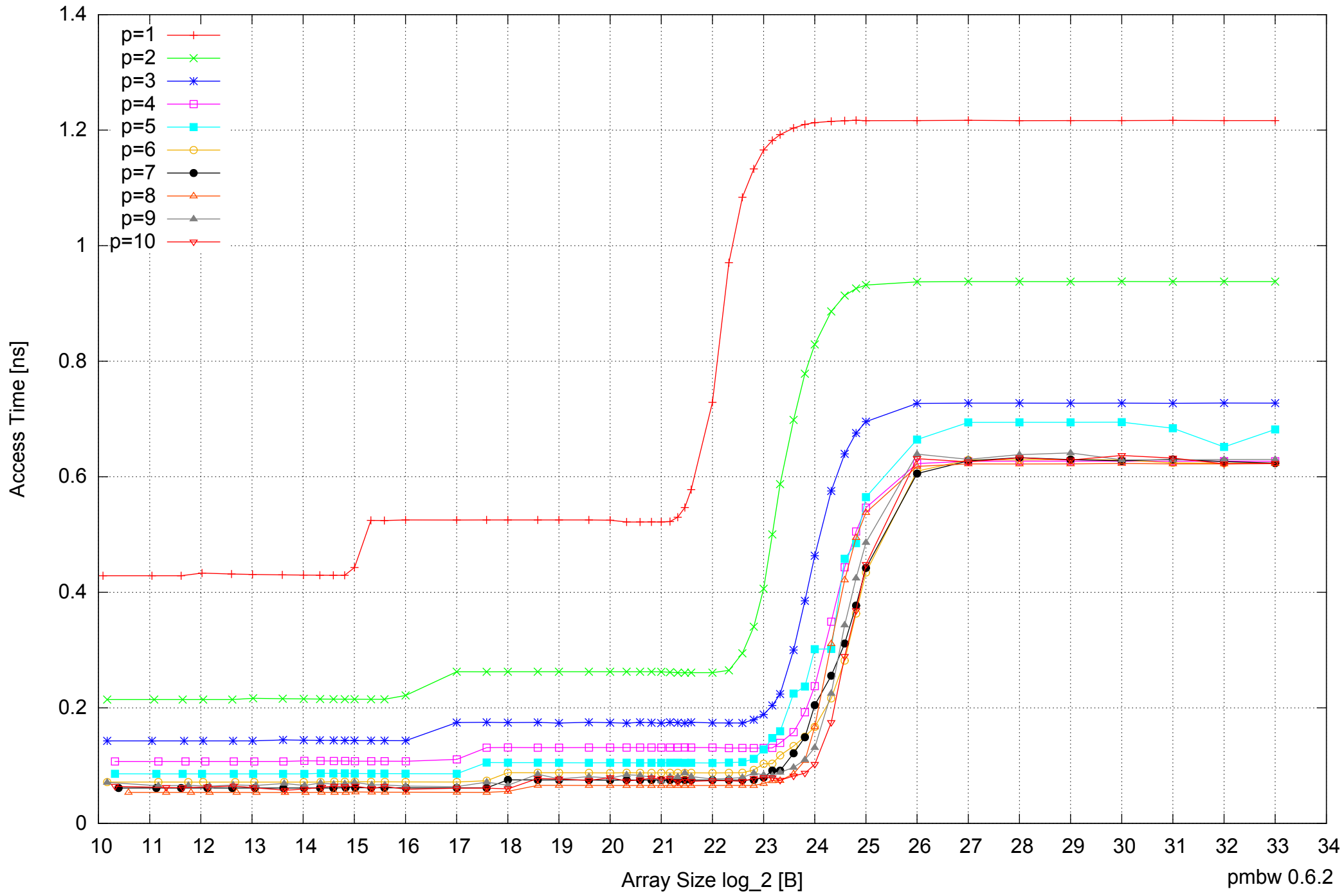




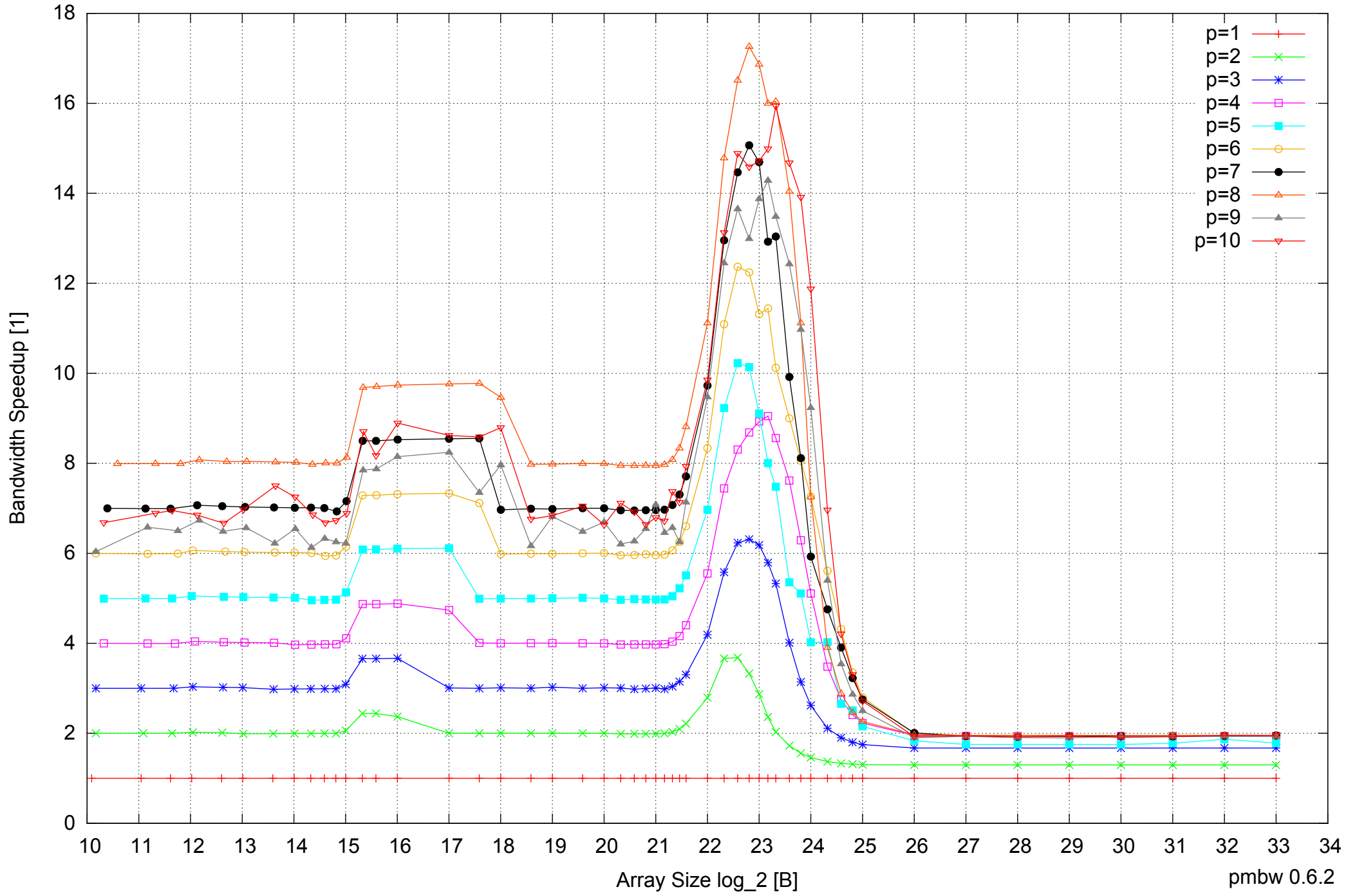
Intel Xeon E5345 16GB - Parallel Memory Bandwidth - ScanRead32PtrUnrollLoop



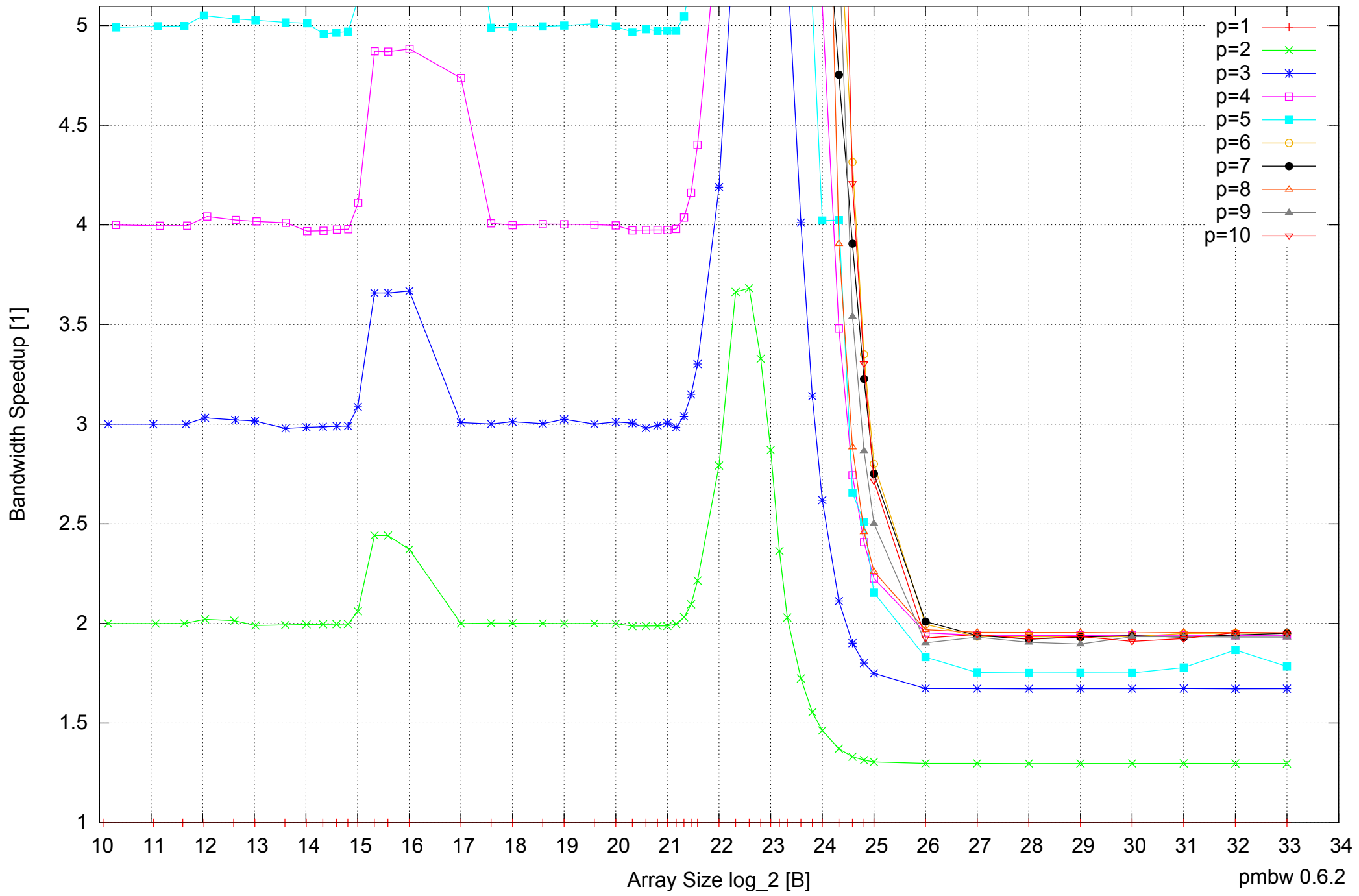
Intel Xeon E5345 16GB - Parallel Memory Access Time - ScanRead32PtrUnrollLoop



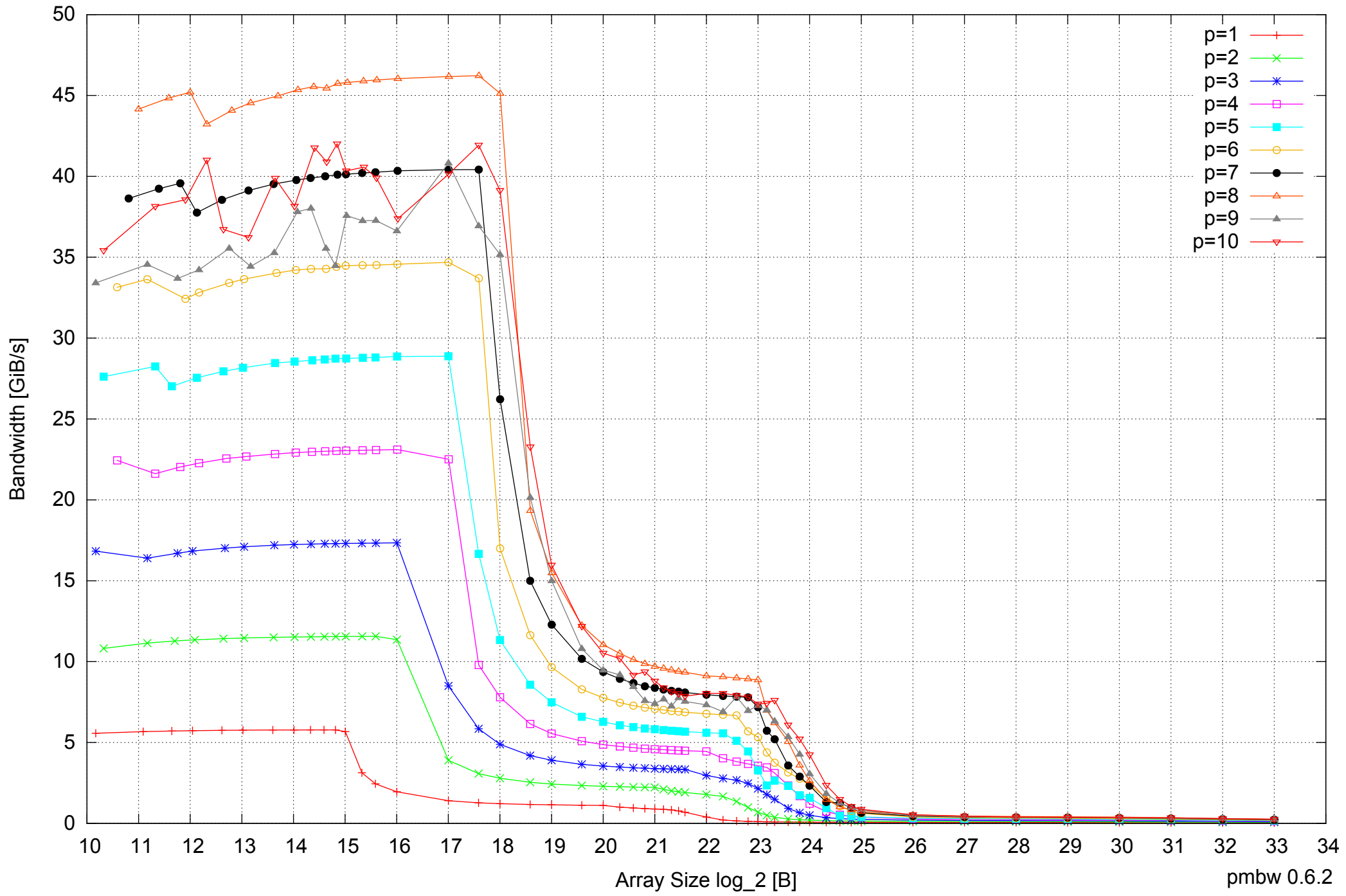
Intel Xeon E5345 16GB - Speedup of Parallel Memory Bandwidth - ScanRead32PtrUnrollLoop



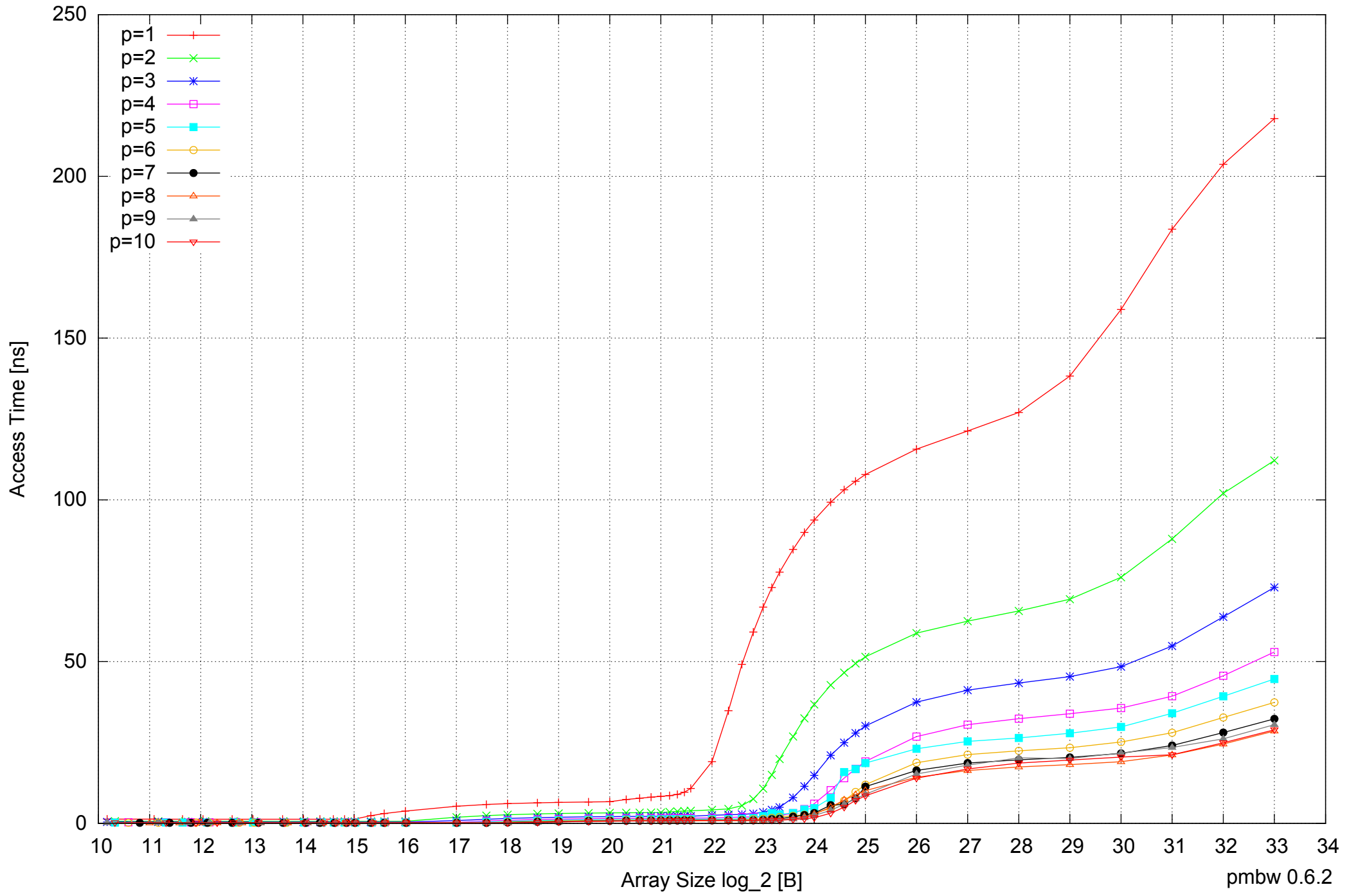
Intel Xeon E5345 16GB - Speedup of Parallel Memory Bandwidth (enlarged) - ScanRead32PtrUnrollLoop



Intel Xeon E5345 16GB - Parallel Memory Bandwidth - PermRead64SimpleLoop

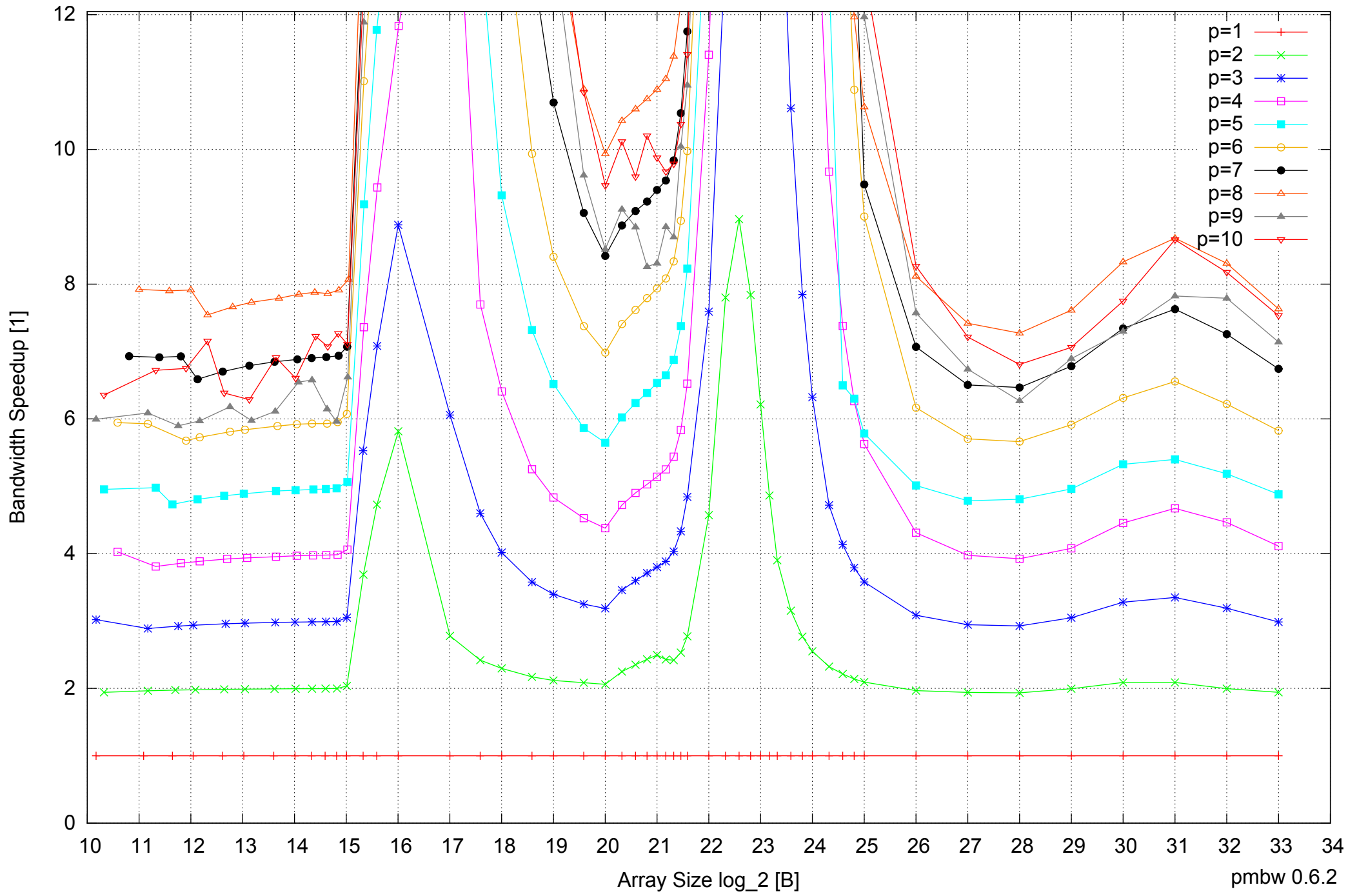


Intel Xeon E5345 16GB - Parallel Memory Access Time - PermRead64SimpleLoop



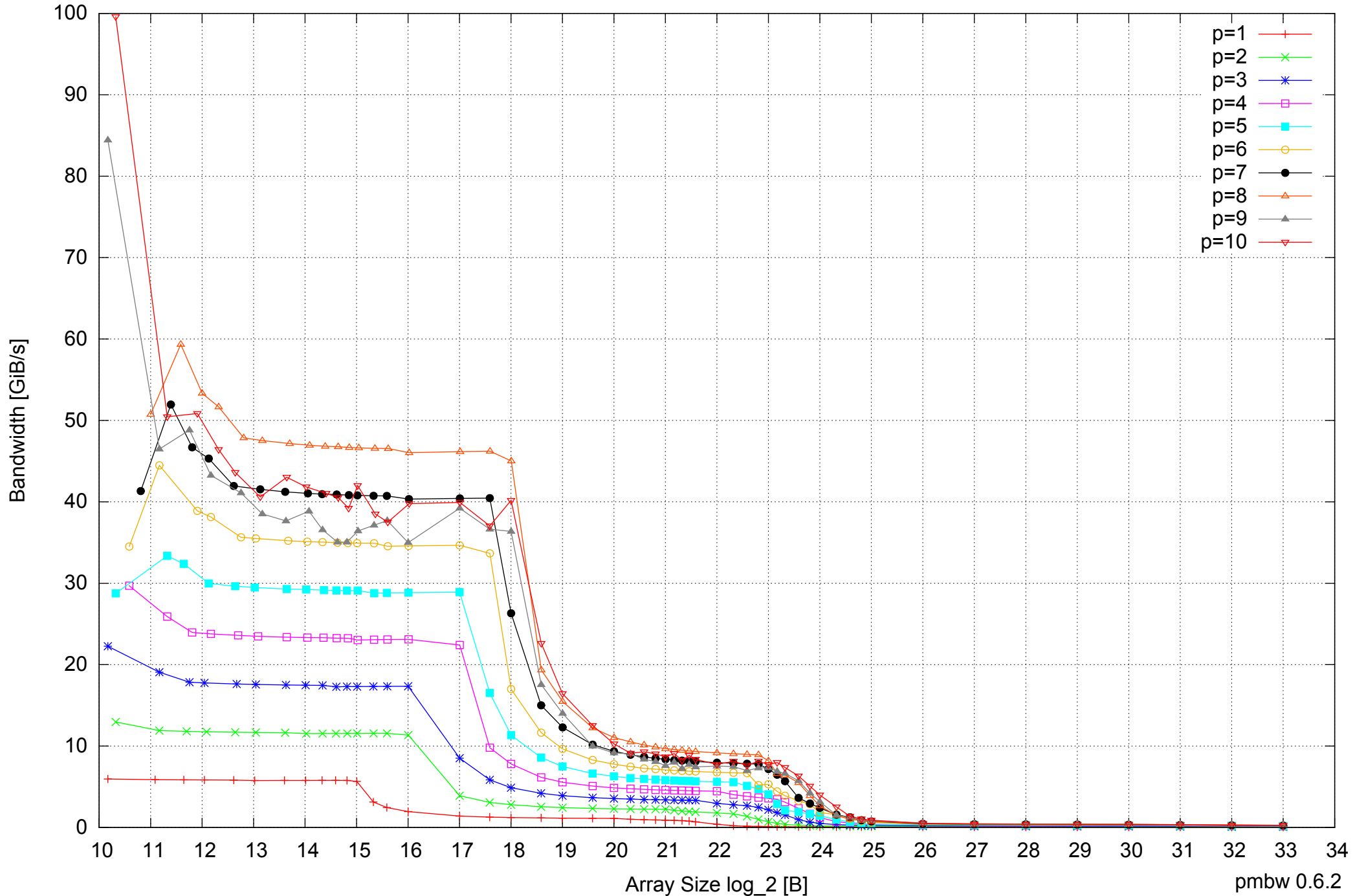


Intel Xeon E5345 16GB - Speedup of Parallel Memory Bandwidth (enlarged) - PermRead64SimpleLoop

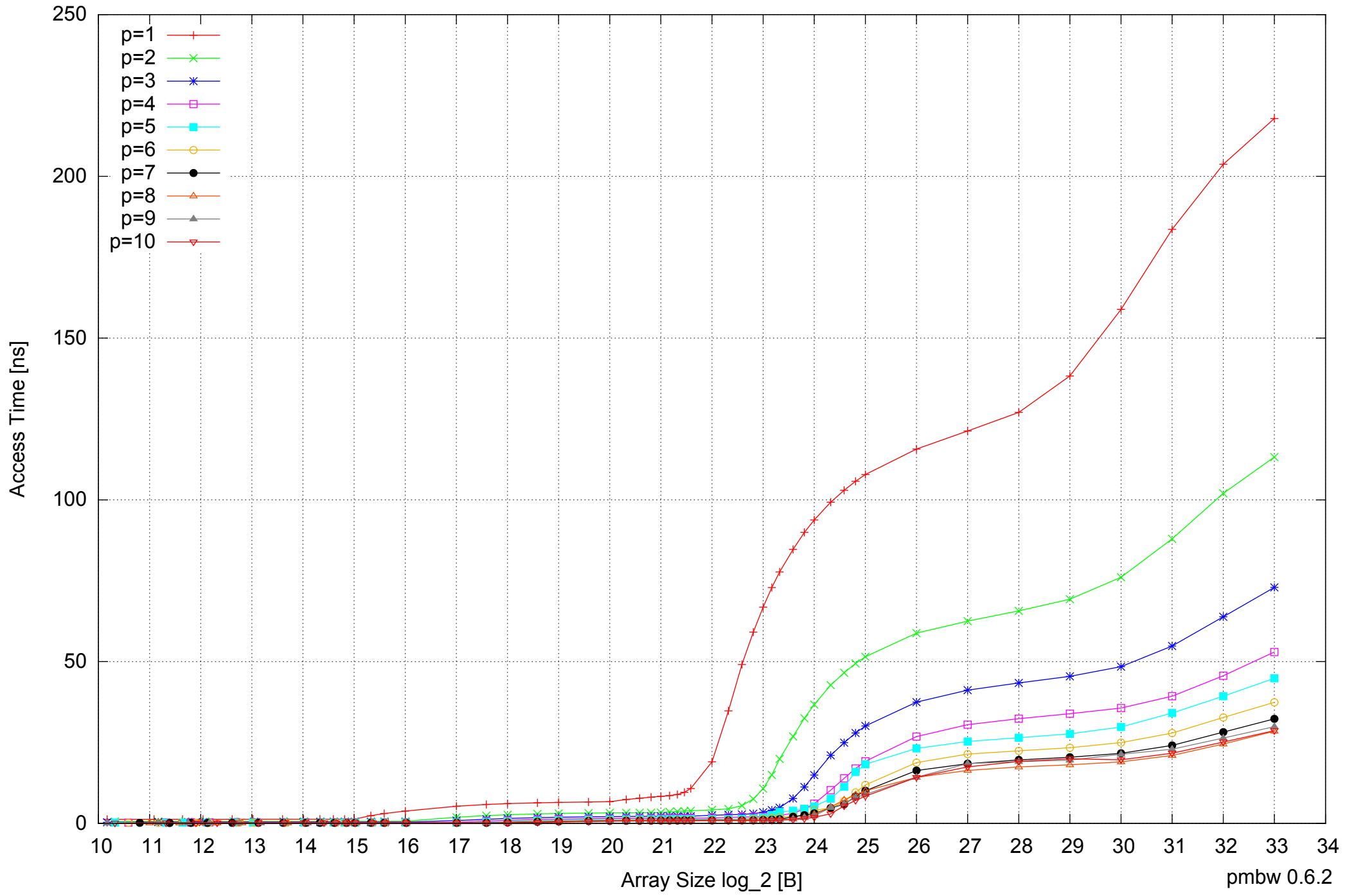




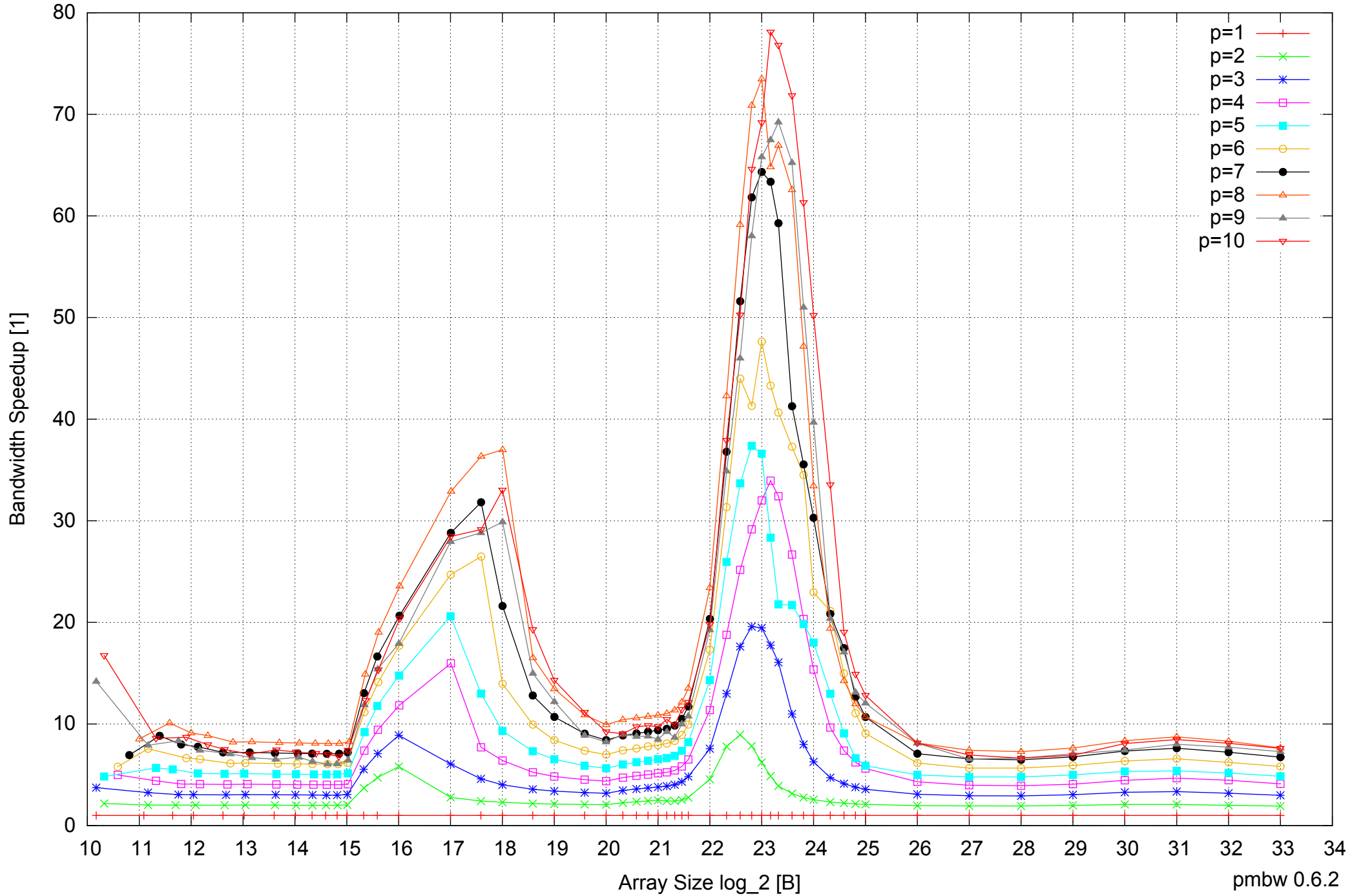
Intel Xeon E5345 16GB - Parallel Memory Bandwidth - PermRead64UnrollLoop



Intel Xeon E5345 16GB - Parallel Memory Access Time - PermRead64UnrollLoop



Intel Xeon E5345 16GB - Speedup of Parallel Memory Bandwidth - PermRead64UnrollLoop



Intel Xeon E5345 16GB - Speedup of Parallel Memory Bandwidth (enlarged) - PermRead64UnrollLoop

