

Comparison of throughputs for different sizes of parallel threads and prefetch buffers

Parallel Threads	Prefetch Buffer Size	Mean image/ sec	standard deviation
1	8	221.42	373.92
2	8	531.67	539.76
4	8	787.59	490.48
32	8	910.67	388.23
32	16	1118.42	191.40
64	8	1000.16	288.11
64	16	931.31	326.40
128	8	1058.19	222.80
128	16	1093.04	169.05
256	8	676.01	42.53
256	16	1008.02	289.55

Increasing number of parallel threads seems to increase throughput, but only up to a certain point. Prefetch buffer size doesn't seem to have any significant effect on the throughput