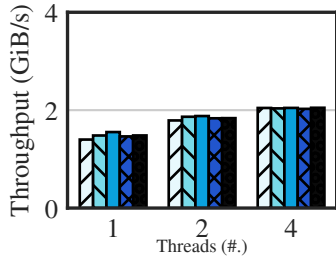
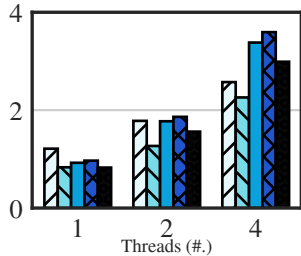


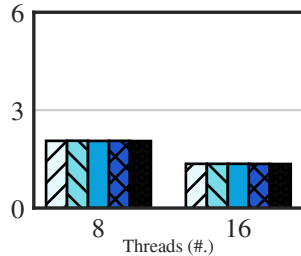
Legend: Prefetch-Next+Speculation (light blue diagonal lines), Prefetch-Next (medium blue diagonal lines), Speculation (solid blue), Prefetch-Current (dark blue cross-hatch), Naive (solid black).



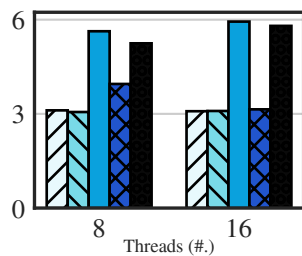
(a) First (low contention)



(b) Second (low contention)



(c) First (high contention)



(d) Second (high contention)