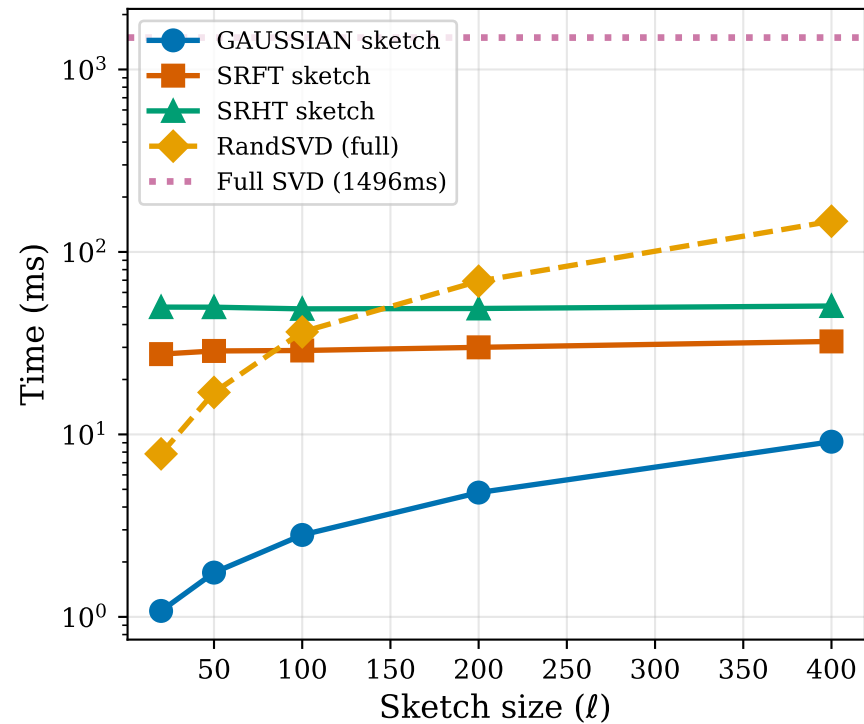
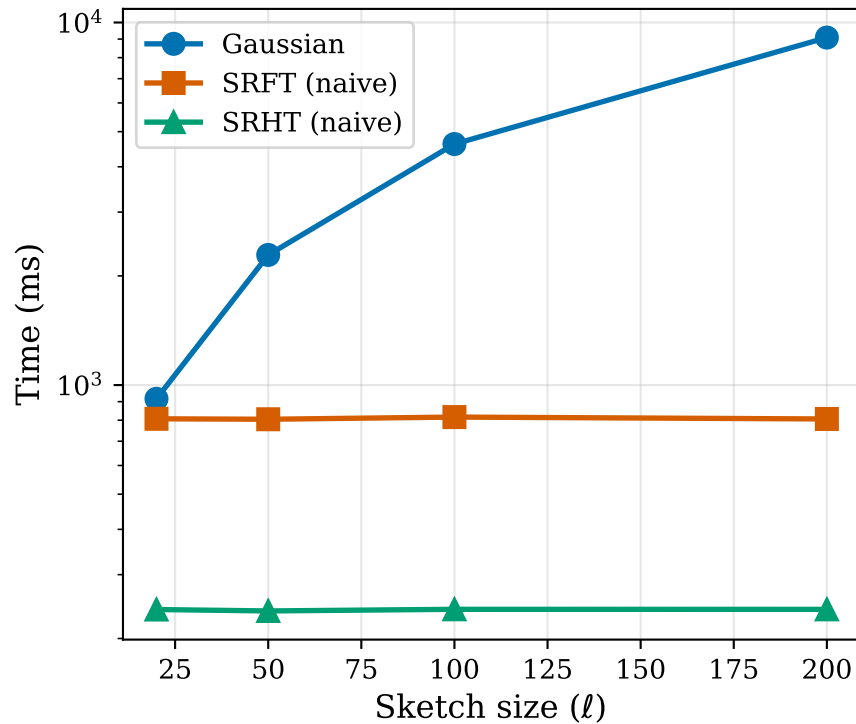


(a) Optimized Implementations $n = 2048$ **(b) Naive Pure-Python** $n = 512$ **(c) Speedup Factors**