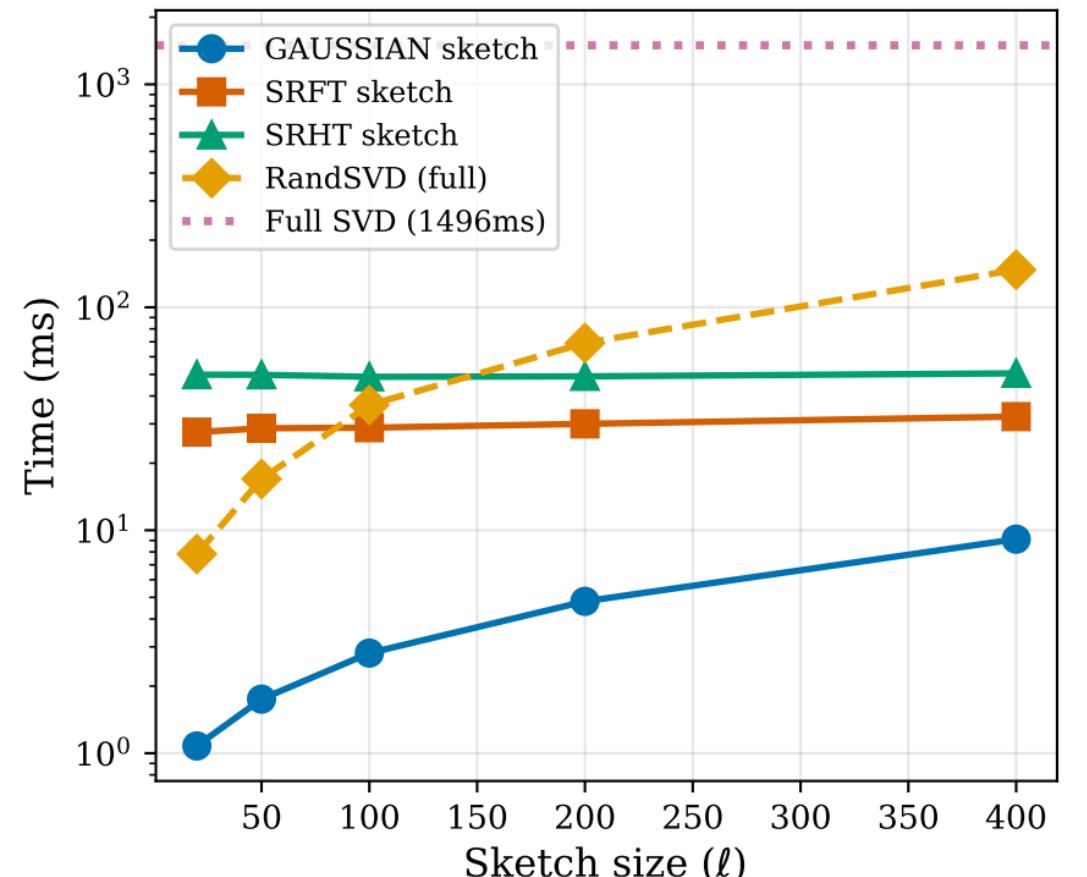


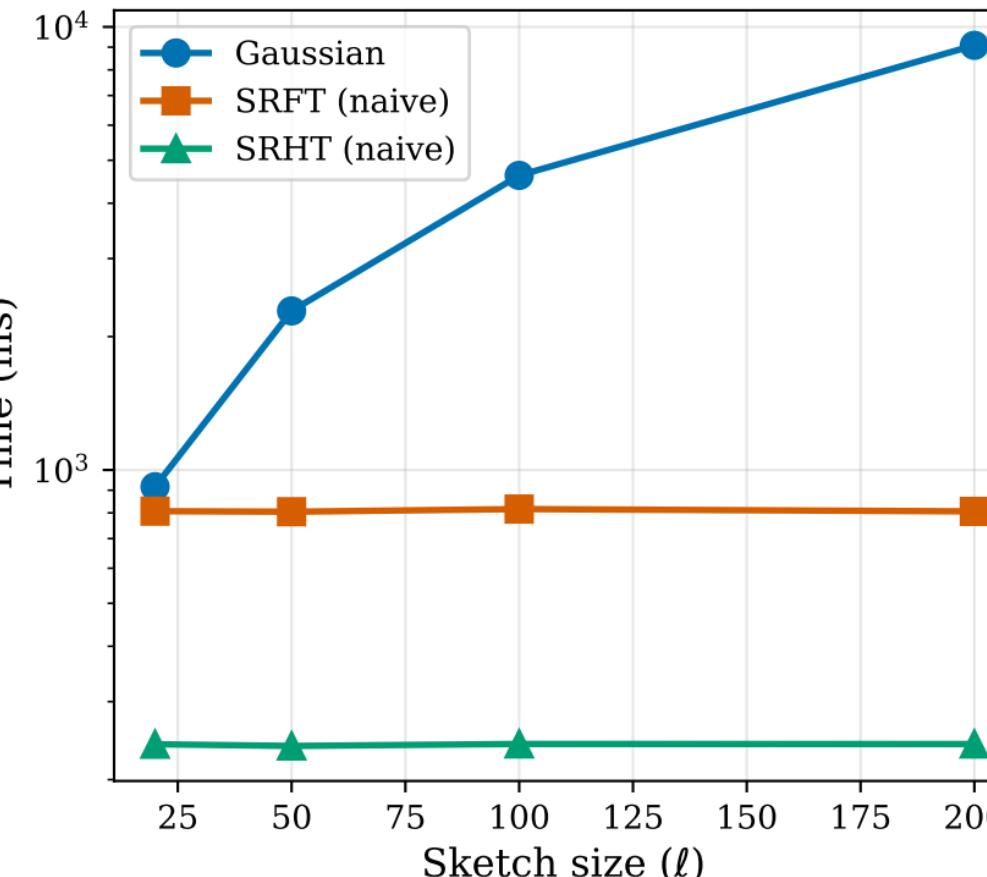
(a) Optimized Implementations

$n = 2048$



(b) Naive Pure-Python

$n = 512$



(c) Speedup Factors

