matrix parameters	4	8	16	32	64	128
$k = 100$, $m = 2^{14}$, $n = 2^{14}$	56.0	29.56	16.61	13.37	7.16	14.04
$k = 100$, $m = 2^{16}$, $n = 2^{14}$	188.6	95.2	53.52	34.1	21.88	20.46
$k = 400$, $m = 2^{16}$, $n = 2^{14}$	381.1	194.7	103.3	56.43	44.2	68.4
$k = 400$, $m = 2^{18}$, $n = 2^{14}$	923.9	476.1	244.7	133.6	84.12	76.83
$k = 100$, $m = 2^{16}$, $n = 2^{16}$	732.8	375.4	196.5	129.4	77.16	67.87
$k = 1000$, $m = 2^{16}$, $n = 2^{16}$	5657	2873	1492	806.6	455.3	444.01
$k = 400$, $m = 2^{14}$, $n = 2^{18}$	3780	1919	1001	531.4	363.9	310
$k = 1000$, $m = 2^{14}$, $n = 2^{18}$	20167	10233	–	2894	1479	1099