matrix parameters	4	8	16	32	64	128
$k = 100$, $m = 2^{14}$, $n = 2^{14}$	43.0	22.7	12.69	10.9	5.57	11.15
$k = 100$, $m = 2^{16}$, $n = 2^{14}$	176.0	88.4	49.63	31.65	19.4	17.61
$k = 400$, $m = 2^{16}$, $n = 2^{14}$	175.4	88.4	46.76	25.85	19.6	17.70
$k = 400$, $m = 2^{18}$, $n = 2^{14}$	718.0	363.4	188.1	99.44	60.86	42.23
$k = 100$, $m = 2^{16}$, $n = 2^{16}$	684.3	350.5	183.3	122.2	72.39	63.7
$k = 1000$, $m = 2^{16}$, $n = 2^{16}$	687.8	350.93	183.82	114.9	59.82	64.71
$k = 400$, $m = 2^{14}$, $n = 2^{18}$	683.6	360	199.5	114.3	137.15	148.1
$k = 1000$, $m = 2^{14}$, $n = 2^{18}$	691	362	–	123.9	79.91	168