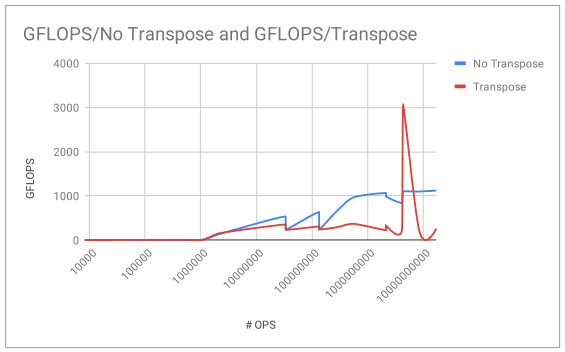
				Time taken		GFLOPS	
M	N	K	# Ops	No Transpose	Transpose	No Transpose	Transpose
16	16	16	8192	0.000008832	0.00000448	0.9275362319	1.828571429
16	16	256	131072	0.000032512	0.000026335	4.031496063	4.977102715
16	16	1024	524288	0.00011235	0.000094015	4.666559858	5.576642025
16	16	2048	1048576	0.00022186	0.00018509	4.726295862	5.665222324
256	256	16	2097152	0.000016096	0.000013824	130.2902584	151.7037037
256	256	256	33554432	0.00006336	0.000095487	529.5838384	351.4031439
1024	1024	16	33554432	0.00013651	0.00014253	245.8020072	235.4201361
256	256	1024	134217728	0.00021395	0.00043715	627.3322178	307.0290015
2048	2048	16	134217728	0.00052602	0.0005542	255.1570815	242.1828365
256	256	2048	268435456	0.00042166	0.00093375	636.6158896	287.4810774
1024	1024	256	536870912	0.00055978	0.0014548	959.0748365	369.034171
1024	1024	1024	2147483648	0.0020202	0.0095008	1063.005469	226.0318761
2048	2048	256	2147483648	0.0021771	0.0065614	986.3964209	327.2904636
4095	4097	125	4194303750	0.0049641	0.013353	844.9273282	314.1094698
1024	1024	2048	4294967296	0.0039575	0.0014276	1085.272848	3008.522903
2048	2048	1024	8589934592	0.0078177	0.045677	1098.78028	188.0582042
2048	2048	2048	17179869184	0.015326	0.065555	1120.962364	262.068022

Ref: https://stackoverflow.com/questions/6873037/how-to-measure-the-gflops-of-a-matrix-multiplication-kernel

			No Transpose				Transpose			
M	N	K	dram_read_transactions	dram_write_transactions	shared_load_transactions_per_request	shared_store_transactions_per_request	dram_read_transactions	dram_write_transactions	shared_load_transactions_per_request	shared_store_transactions_per_request
2047	2049	125	193455	1053290	1.2	1	122515	1058039	3	1
2048	2048	128	250399	1047436	1.2	1	128687	1053749	3	1


GFLOPS/No Transpose and GFLOPS/Transpose
4000
3000
2000
1000
0
GFLOPS
10000
100000
1000000
10000000
100000000
1000000000
10000000000
OPS
No Transpose
Transpose