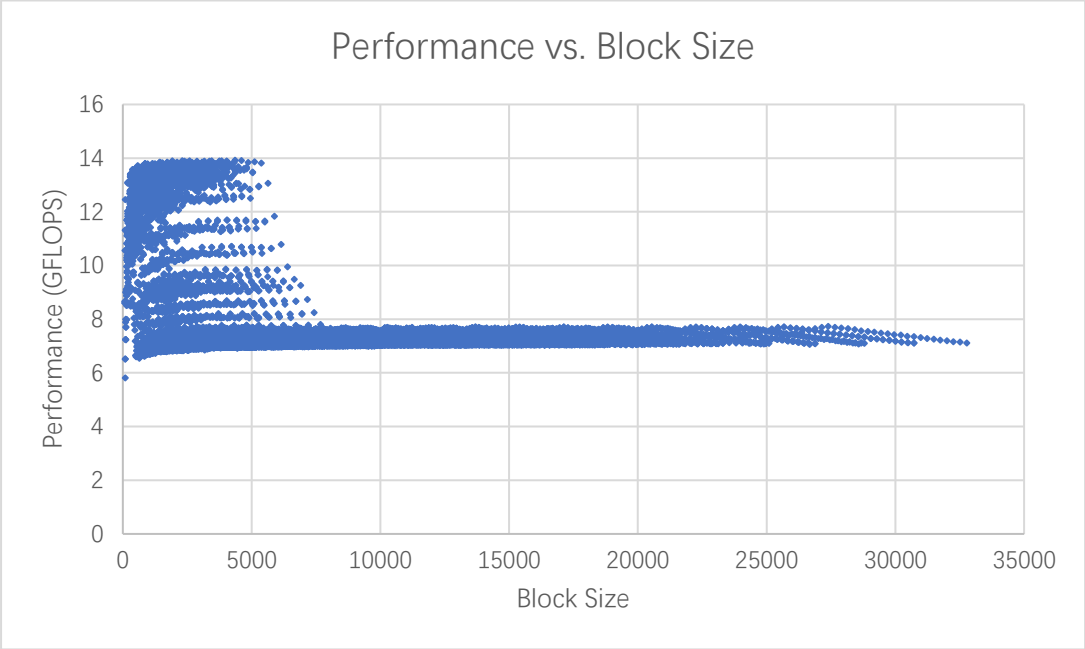
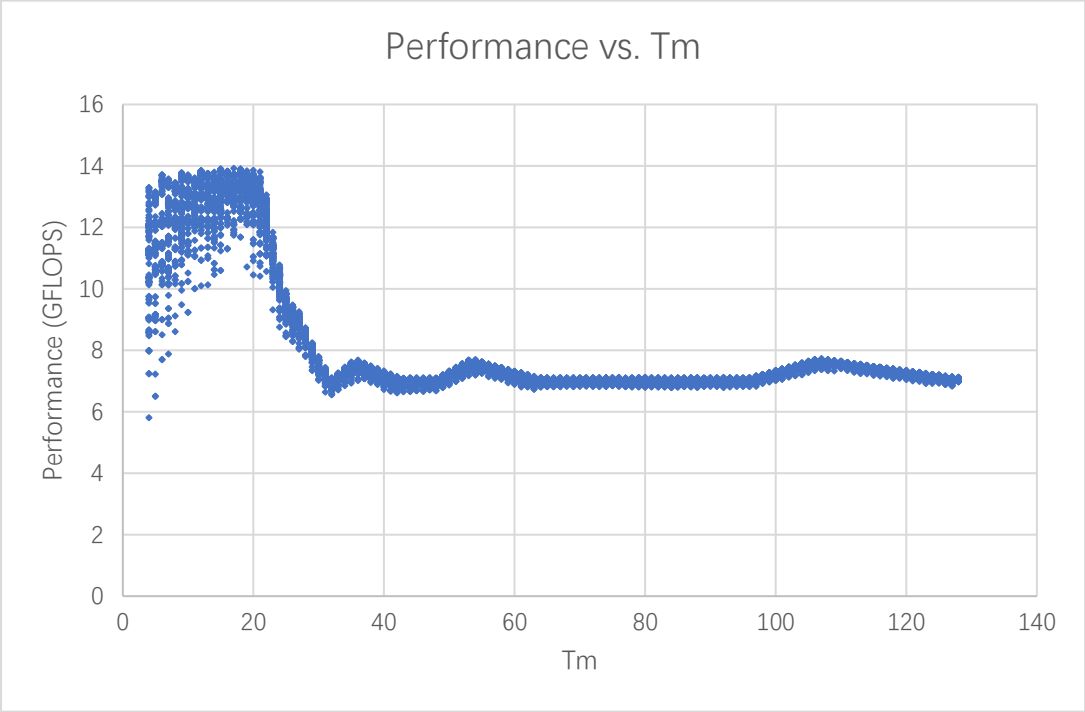
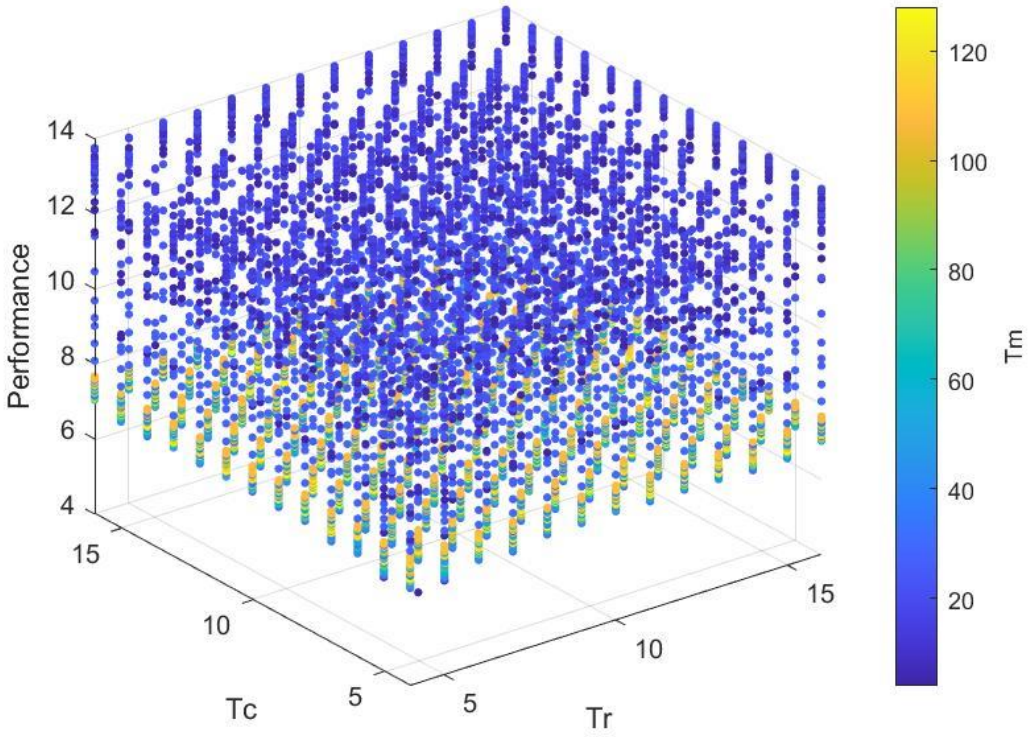
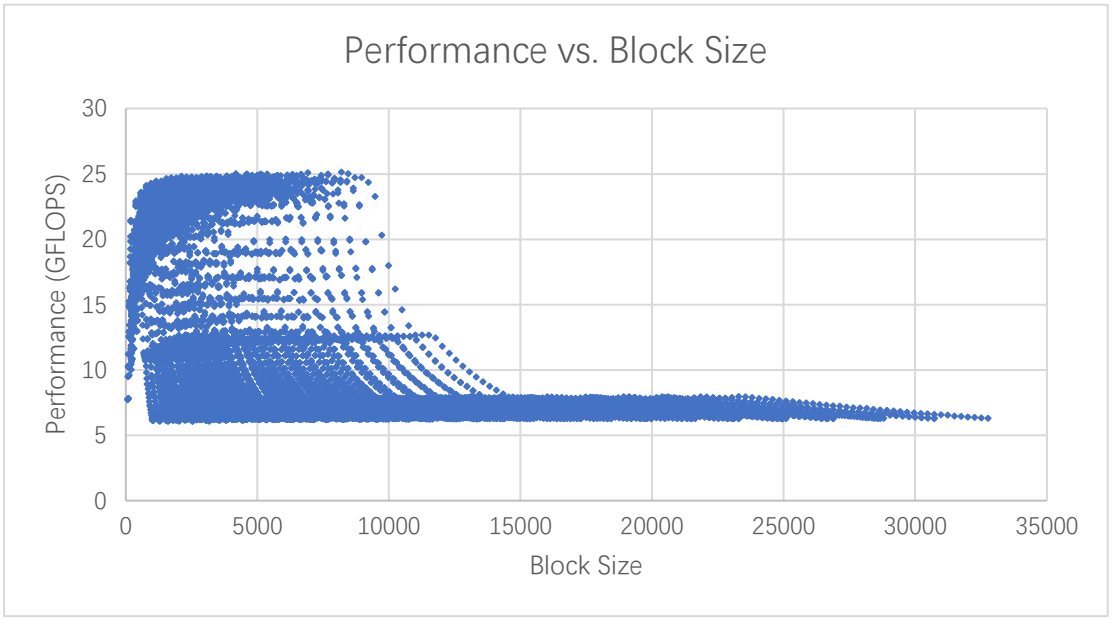
#pragma unroll 2

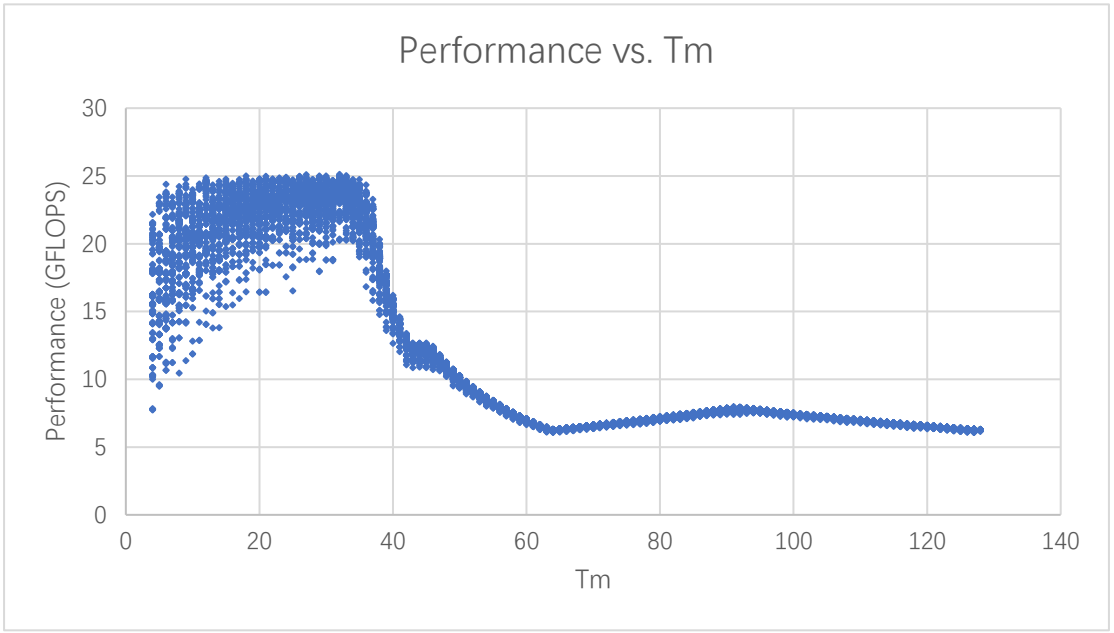


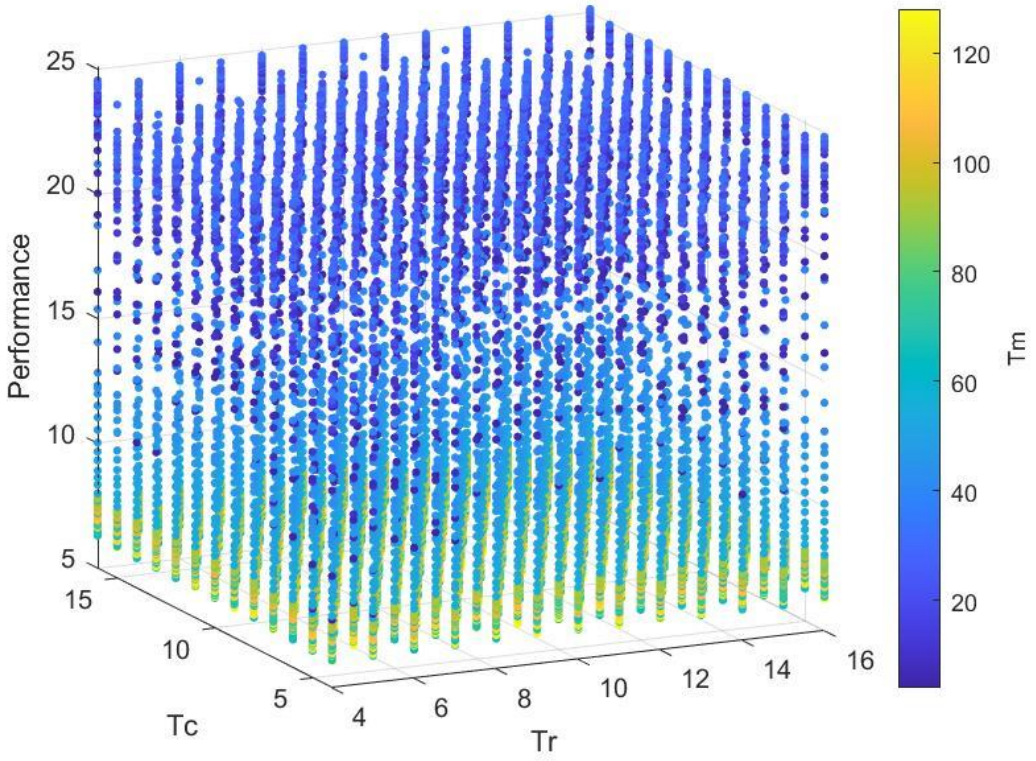



Performance
14
12
10
8
6
4
15
10
5
Tc
5
10
15
Tr
120
100
80
60
40
20
Tm

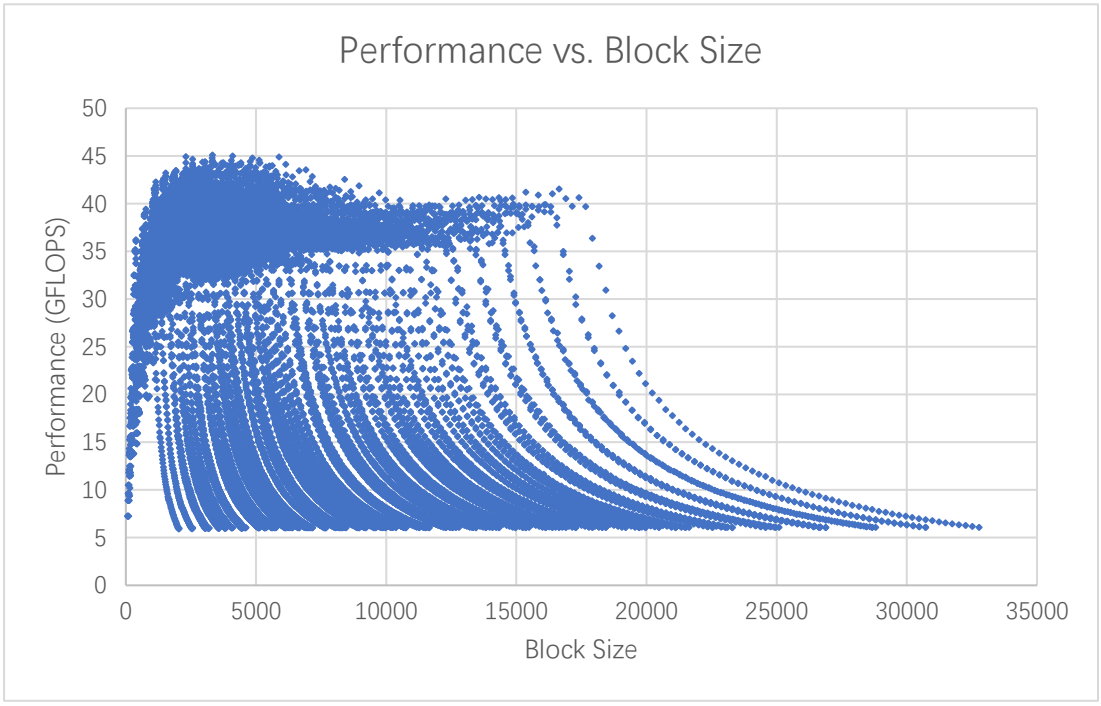
#pragma unroll 4

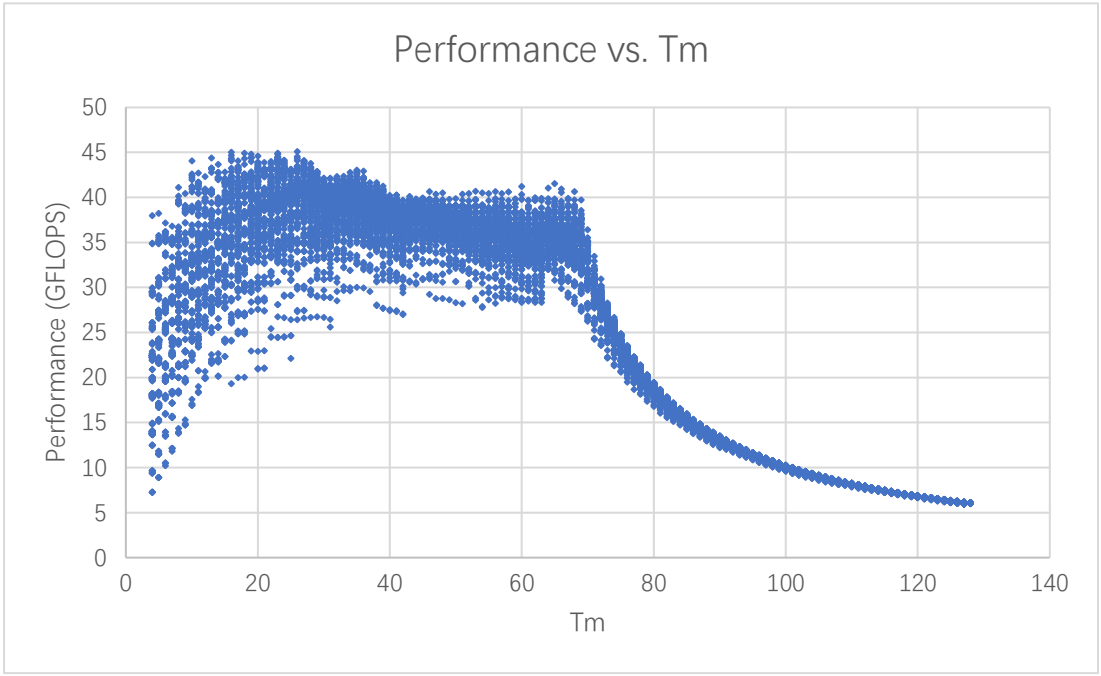


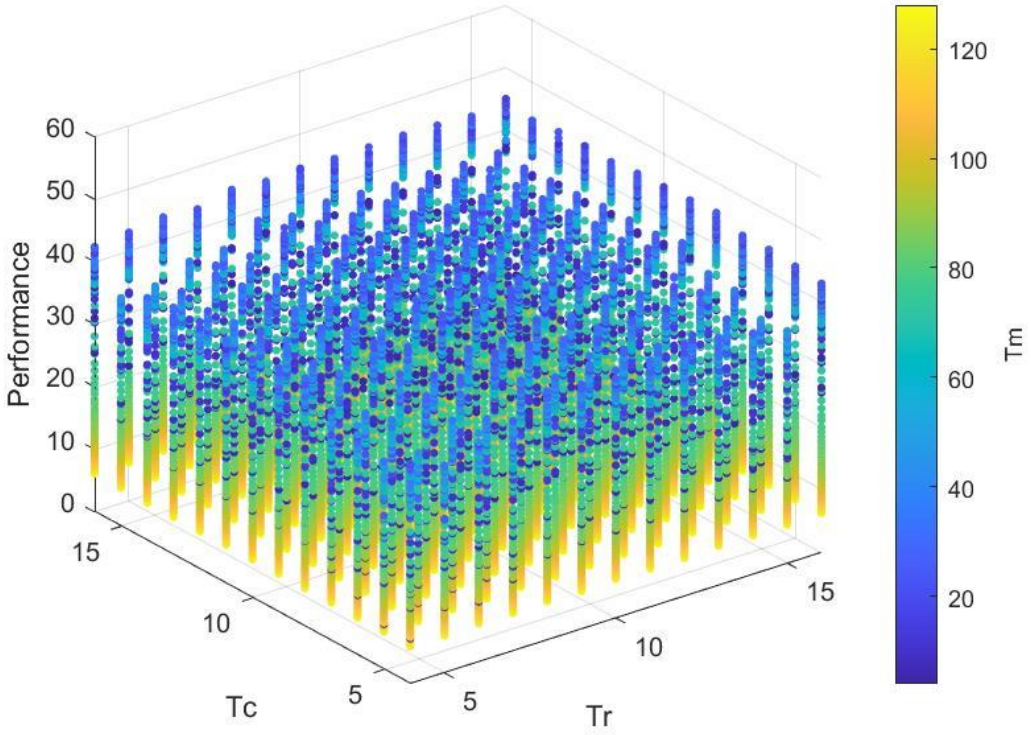



Performance
25
20
15
10
5
Tc
15
10
5
Tr
4
6
8
10
12
14
16
Tm
120
100
80
60
40
20

#pragma unroll 8






Performance
60
50
40
30
20
10
0
15
10
5
Tc
5
10
15
Tr
120
100
80
60
40
20
Tm

Same Block Size: 3328

Tm	Tr	Tc	GFLOPS
26	16	8	45.10004
26	8	16	44.51666
13	16	16	44.35483
16	16	13	44.34018
16	13	16	44.04914
32	13	8	40.26935
32	8	13	38.90369
52	16	4	37.94677
52	8	8	37.75464
52	4	16	37.58547
64	13	4	33.79097
64	4	13	33.76547
104	4	8	9.186703
104	8	4	9.179791

Same Performance

Tm	Tr	Tc	GFLOPS
5	16	13	35.20927
15	12	15	35.20927
23	4	4	35.20927
25	5	11	35.20927
30	10	5	35.20927
52	10	5	35.20927
54	14	7	35.20927
59	8	7	35.20927
59	15	8	35.20927
64	4	12	35.20927
66	6	9	35.20927
67	11	8	35.20927
69	11	13	35.20927
69	12	11	35.20927
69	13	14	35.20927
69	14	12	35.20927
69	15	13	35.20927

Sensitivity: Tr

Tm	Tr	Tc	Tr*Tc	Block Size	GFLOPS
18	16	8	128	2304	44.91892
18	15	8	120	2160	38.32602
18	14	8	112	2016	38.44679
18	13	8	104	1872	37.8932
18	12	8	96	1728	38.2823
18	11	8	88	1584	38.10838
18	10	8	80	1440	38.19514
18	9	8	72	1296	38.24957
18	8	8	64	1152	41.66958
18	7	8	56	1008	36.08003
18	6	8	48	864	33.2469
18	5	8	40	720	34.74443
18	4	8	32	576	32.00995

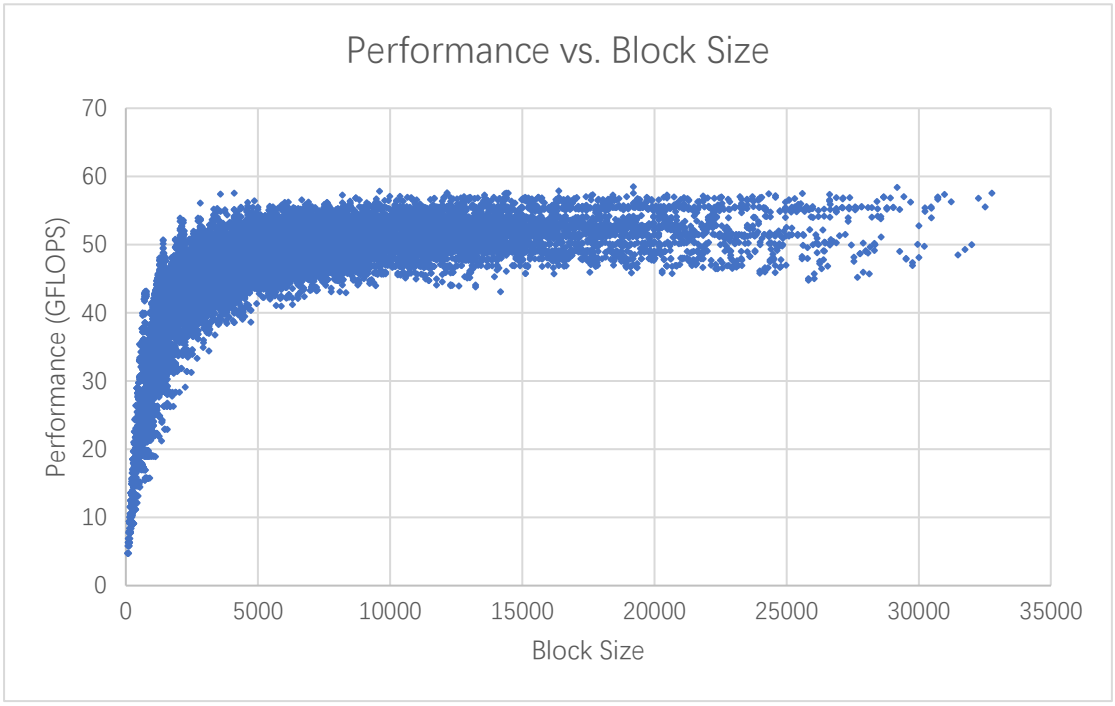
Sensitivity: Tc

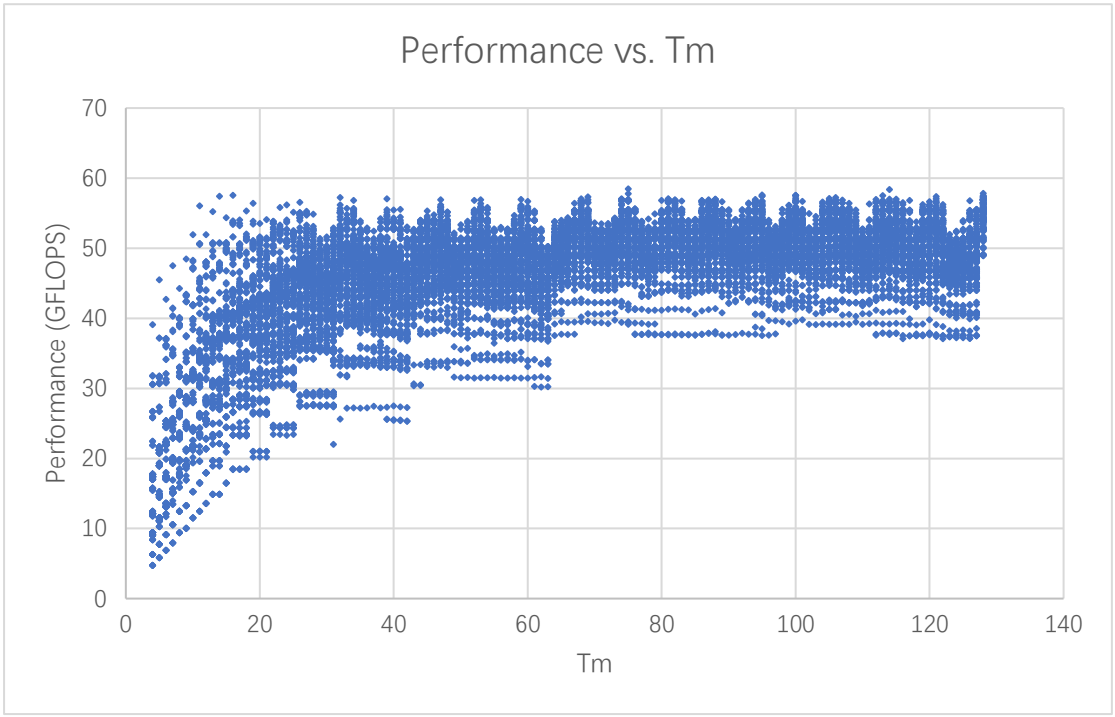
Tm	Tr	Tc	Tr*Tc	Block Size	GFLOPS
18	16	8	128	2304	44.91892
18	16	7	112	2016	39.38314
18	16	6	96	1728	41.27236
18	16	5	80	1440	40.25727
18	16	4	64	1152	42.2733

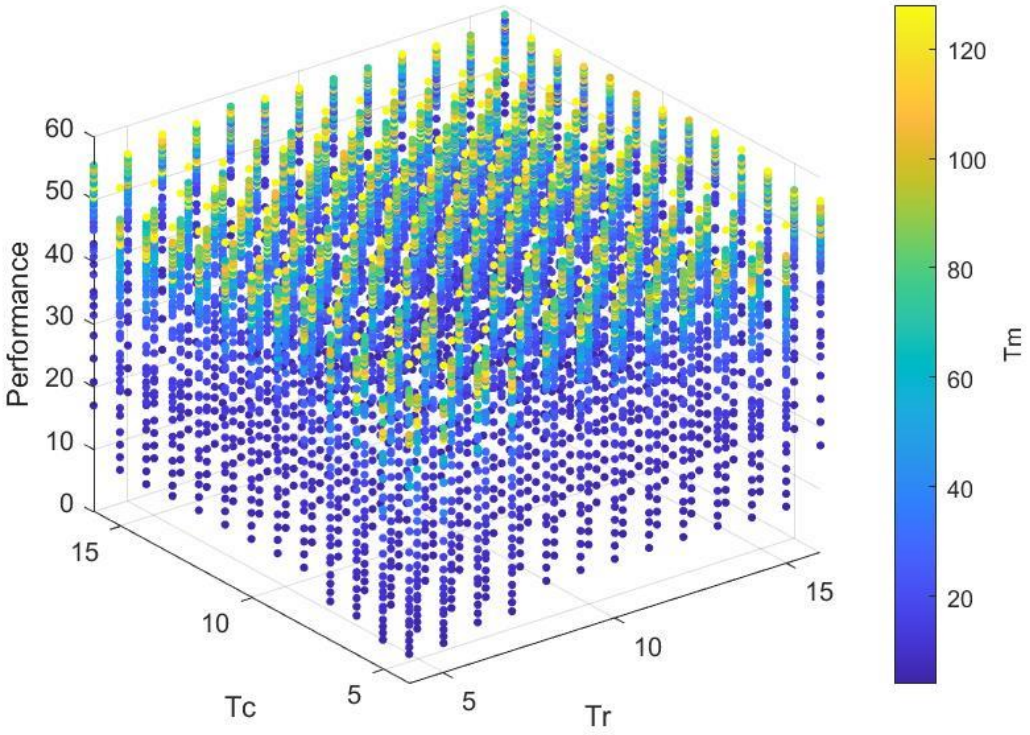
Sensitivity: Tm

Tm	Tr	Tc	Tr*Tc	Block Size	GFLOPS
18	16	8	128	2304	44.91892
17	16	8	128	2176	43.10139
16	16	8	128	2048	42.02183
15	16	8	128	1920	39.65073
14	16	8	128	1792	42.77174
13	16	8	128	1664	40.85776
12	16	8	128	1536	39.85087
11	16	8	128	1408	41.51492
10	16	8	128	1280	38.79125
9	16	8	128	1152	35.0621
8	16	8	128	1024	39.67417
7	16	8	128	896	35.18158
6	16	8	128	768	31.06892
5	16	8	128	640	35.10796
4	16	8	128	512	29.4984

#pragma unroll 16






Performance
60
50
40
30
20
10
0
15
10
5
Tc
5
10
15
Tr
120
100
80
60
40
20
Tm