dmatdmatmult

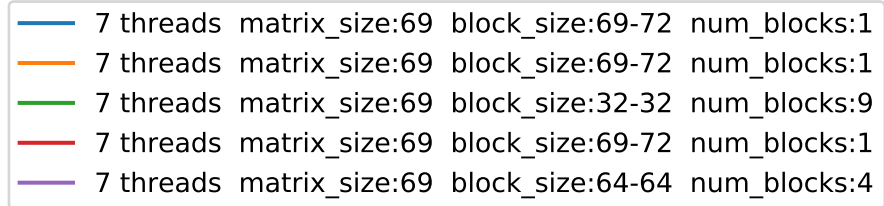|			
7 threads	matrix_size:52	block_size:52-52	num_blocks:1
7 threads	matrix_size:52	block_size:52-52	num_blocks:1
7 threads	matrix_size:52	block_size:32-32	num_blocks:4
7 threads	matrix_size:52	block_size:52-52	num_blocks:1
7 threads	matrix_size:52	block_size:52-52	num_blocks:1

dmatdmatmult

7 threads	matrix_size:60	block_size:60-60	num_blocks:1
7 threads	matrix_size:60	block_size:60-60	num_blocks:1
7 threads	matrix_size:60	block_size:32-32	num_blocks:4
7 threads	matrix_size:60	block_size:60-60	num_blocks:1
7 threads	matrix_size:60	block_size:60-60	num_blocks:1

dmatdmatmult

Legend:
- 7 threads　matrix_size:69　block_size:69-72　num_blocks:1
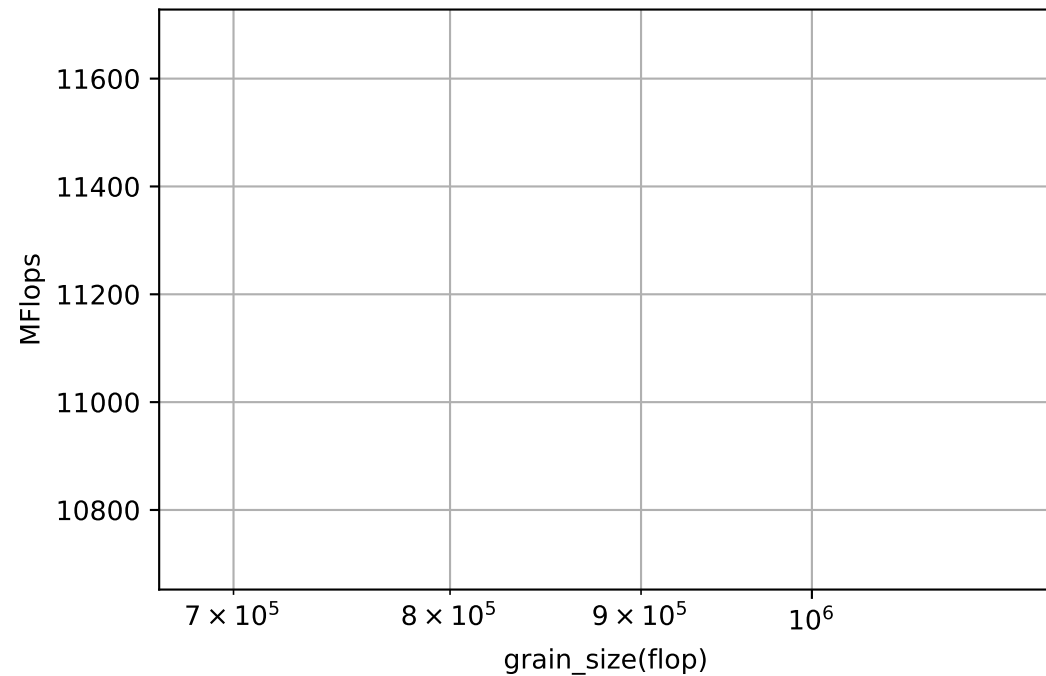- 7 threads　matrix_size:69　block_size:69-72　num_blocks:1
- 7 threads　matrix_size:69　block_size:32-32　num_blocks:9
- 7 threads　matrix_size:69　block_size:69-72　num_blocks:1
- 7 threads　matrix_size:69　block_size:64-64　num_blocks:4

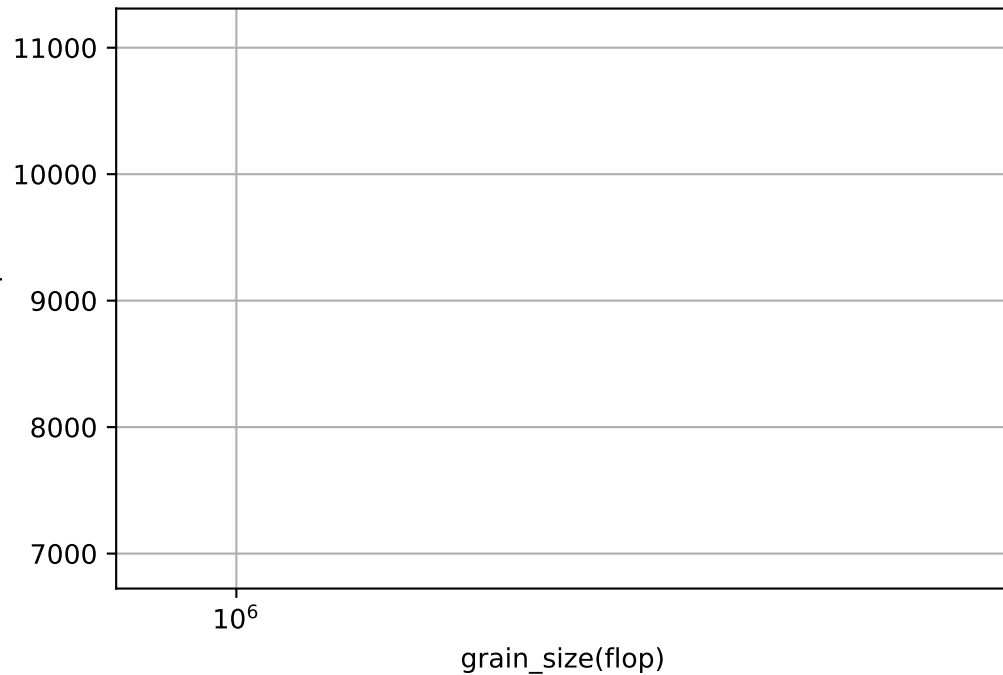MFlops (y-axis)

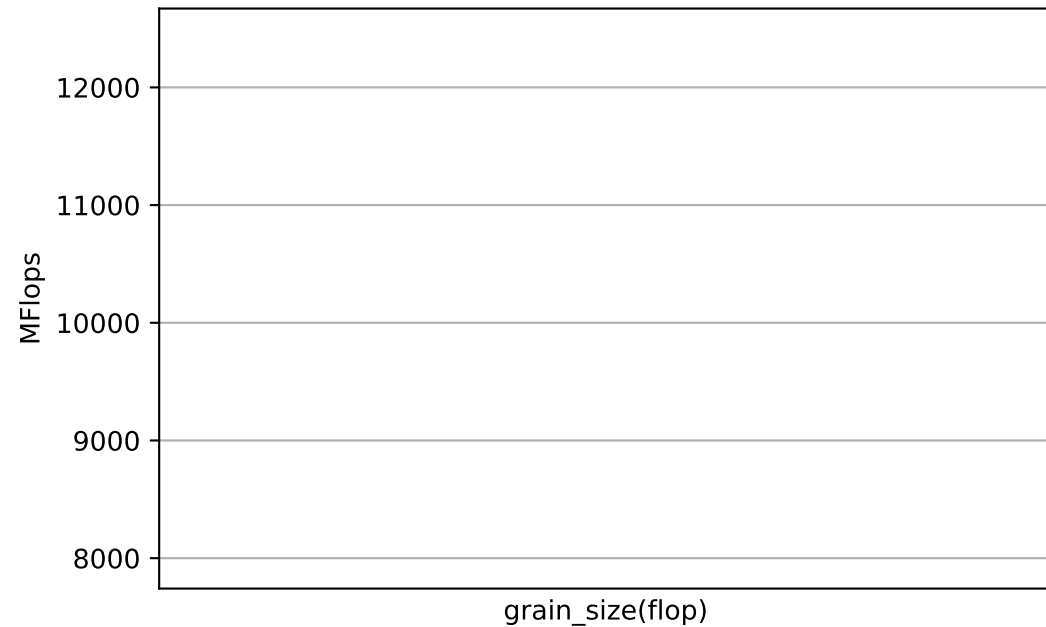grain_size(flop) (x-axis)
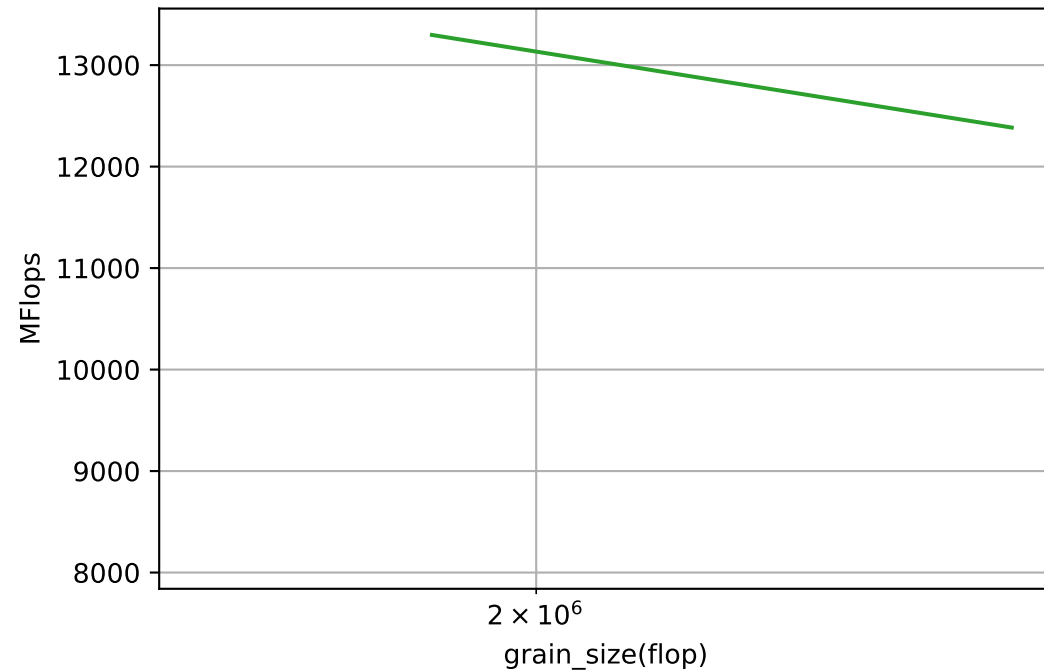
dmatdmatmult

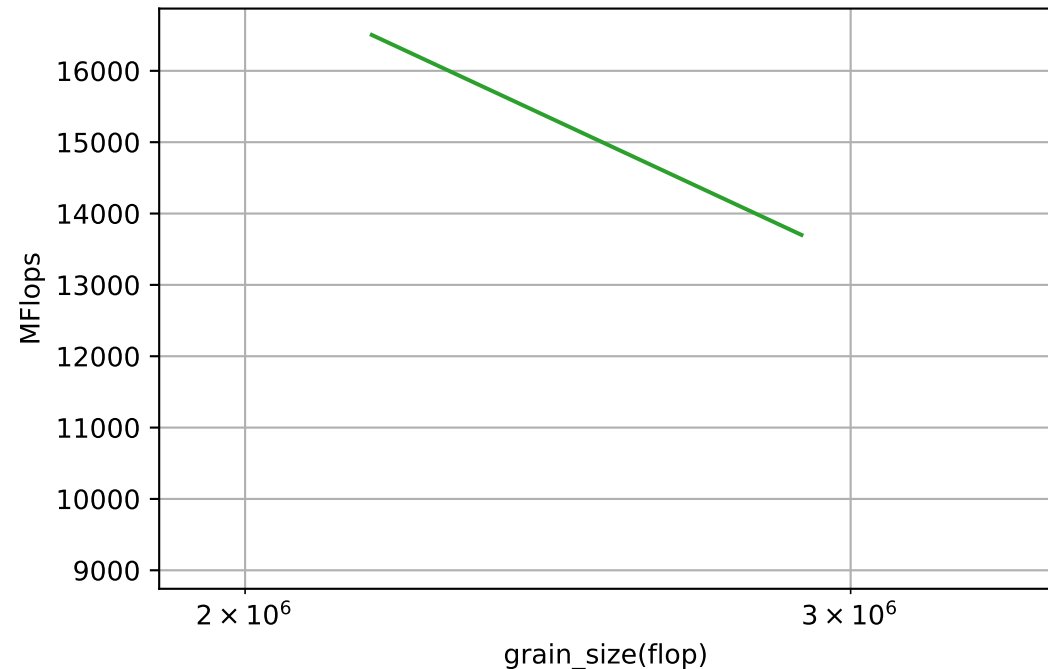|	
——	7 threads matrix_size:79 block_size:79-80 num_blocks:1
——	7 threads matrix_size:79 block_size:79-80 num_blocks:1
——	7 threads matrix_size:79 block_size:32-32 num_blocks:9
——	7 threads matrix_size:79 block_size:79-80 num_blocks:1
——	7 threads matrix_size:79 block_size:64-64 num_blocks:4

MFlops

11000

10000

9000

8000

7000

10^6

grain_size(flop)

dmatdmatmult

7 threads	matrix_size:90	block_size:90-92	num_blocks:1
7 threads	matrix_size:90	block_size:90-92	num_blocks:1
7 threads	matrix_size:90	block_size:32-32	num_blocks:9
7 threads	matrix_size:90	block_size:90-92	num_blocks:1
7 threads	matrix_size:90	block_size:64-64	num_blocks:4

MFlops

grain_size(flop)
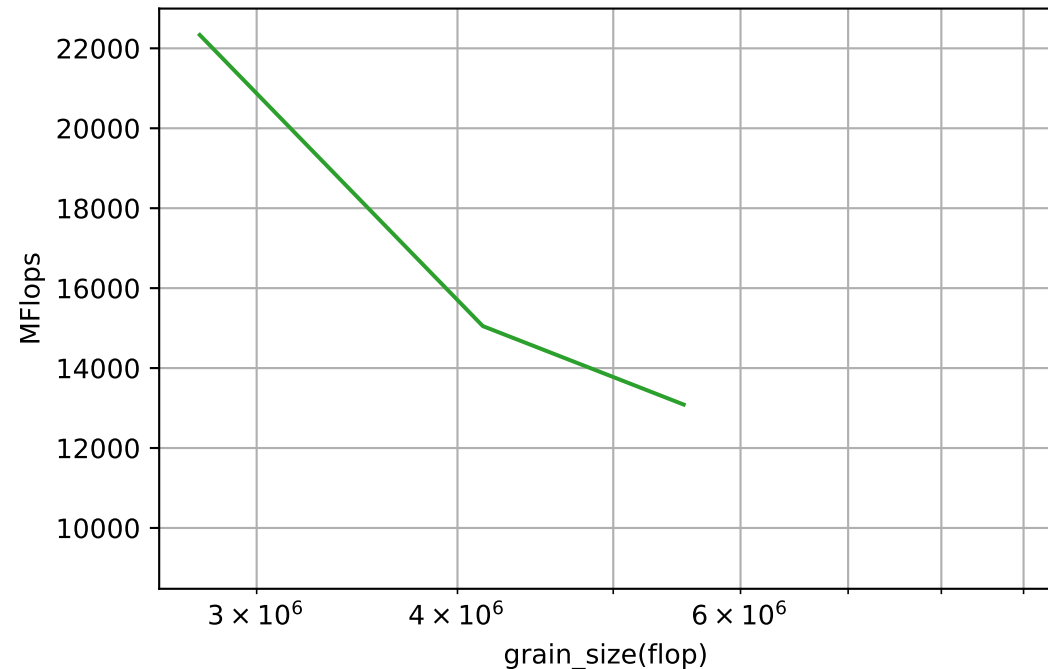
dmatdmatmult

——	7 threads matrix_size:103 block_size:103-104 num_blocks:1
——	7 threads matrix_size:103 block_size:103-104 num_blocks:1
——	7 threads matrix_size:103 block_size:32-32 num_blocks:16
——	7 threads matrix_size:103 block_size:103-104 num_blocks:1
——	7 threads matrix_size:103 block_size:64-64 num_blocks:4

dmatdmatmult

Legend:
- 7 threads matrix_size:118 block_size:118-120 num_blocks:1
- 7 threads matrix_size:118 block_size:118-120 num_blocks:1
- 7 threads matrix_size:118 block_size:32-32 num_blocks:16
- 7 threads matrix_size:118 block_size:118-120 num_blocks:1
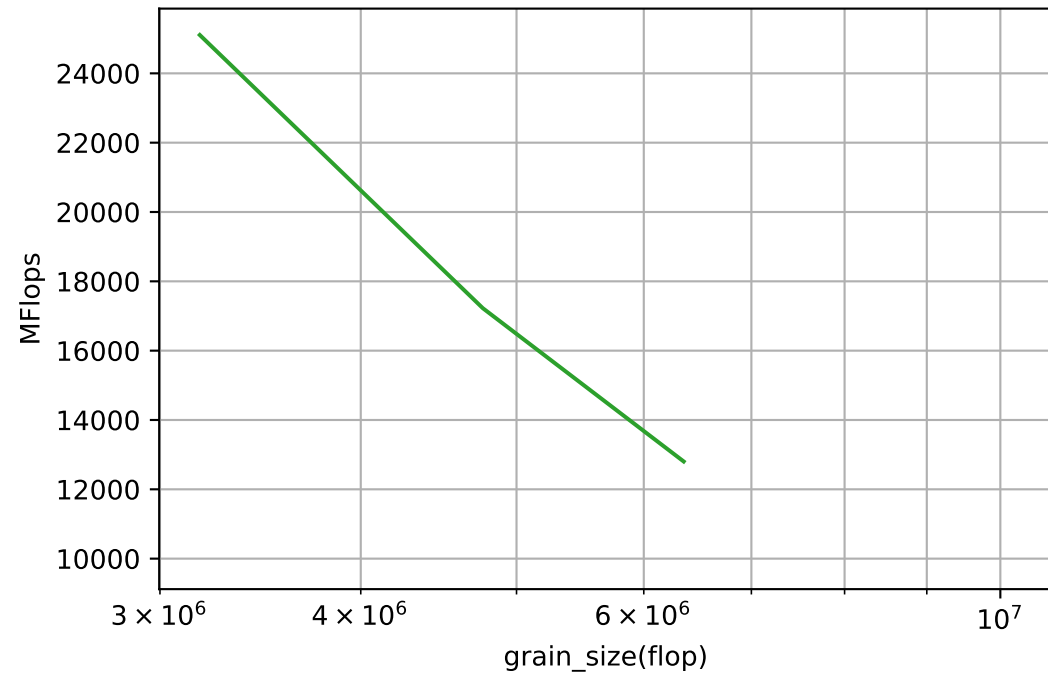- 7 threads matrix_size:118 block_size:64-64 num_blocks:4

X-axis: grain_size(flop)
Y-axis: MFlops

dmatdmatmult

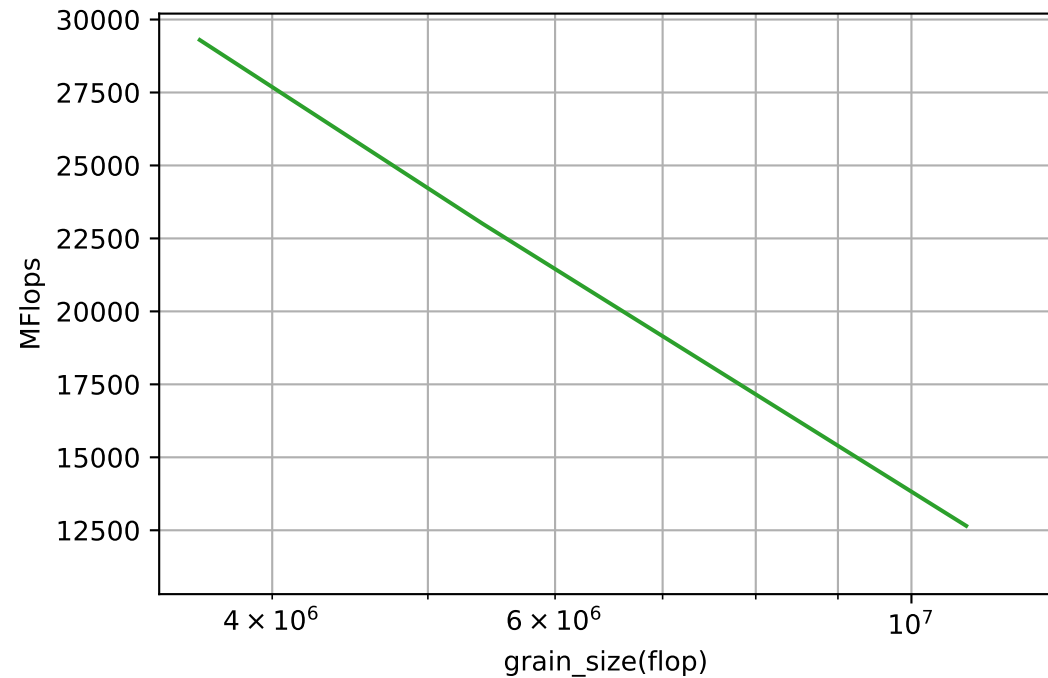| 7 threads | matrix_size:135 | block_size:128-128 | num_blocks:4 |
7 threads	matrix_size:135	block_size:135-136	num_blocks:1
7 threads	matrix_size:135	block_size:32-32	num_blocks:25
7 threads	matrix_size:135	block_size:135-136	num_blocks:1
7 threads	matrix_size:135	block_size:64-64	num_blocks:9

dmatdmatmult
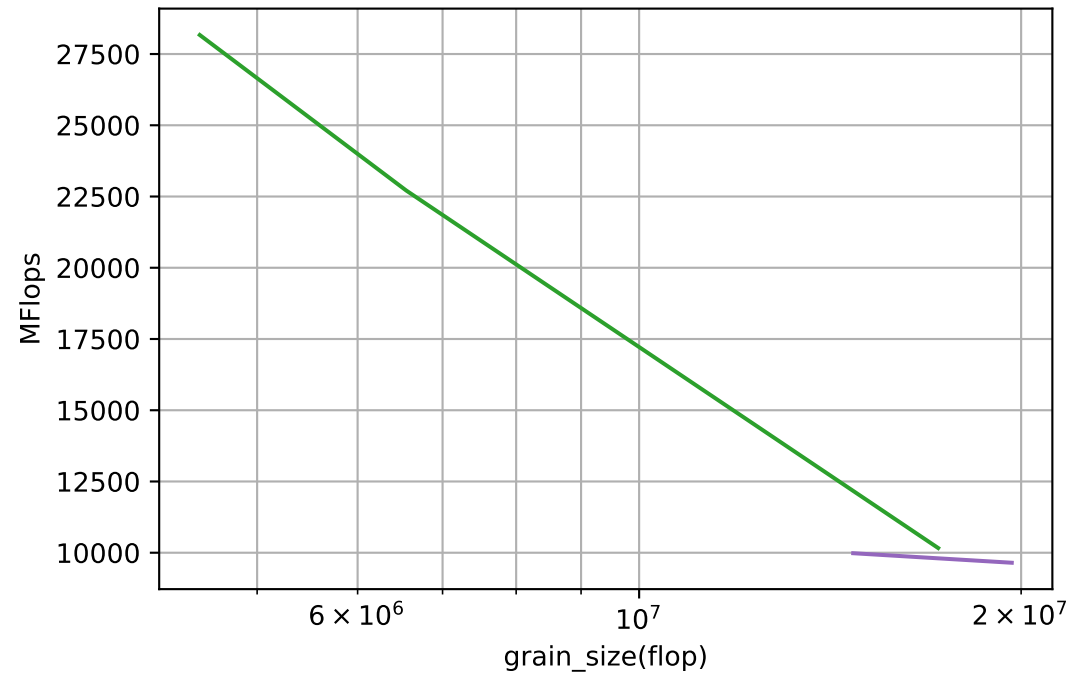

7 threads matrix_size:155 block_size:128-128 num_blocks:4
7 threads matrix_size:155 block_size:155-156 num_blocks:1
7 threads matrix_size:155 block_size:32-32 num_blocks:25
7 threads matrix_size:155 block_size:155-156 num_blocks:1
7 threads matrix_size:155 block_size:64-64 num_blocks:9

dmatdmatmult

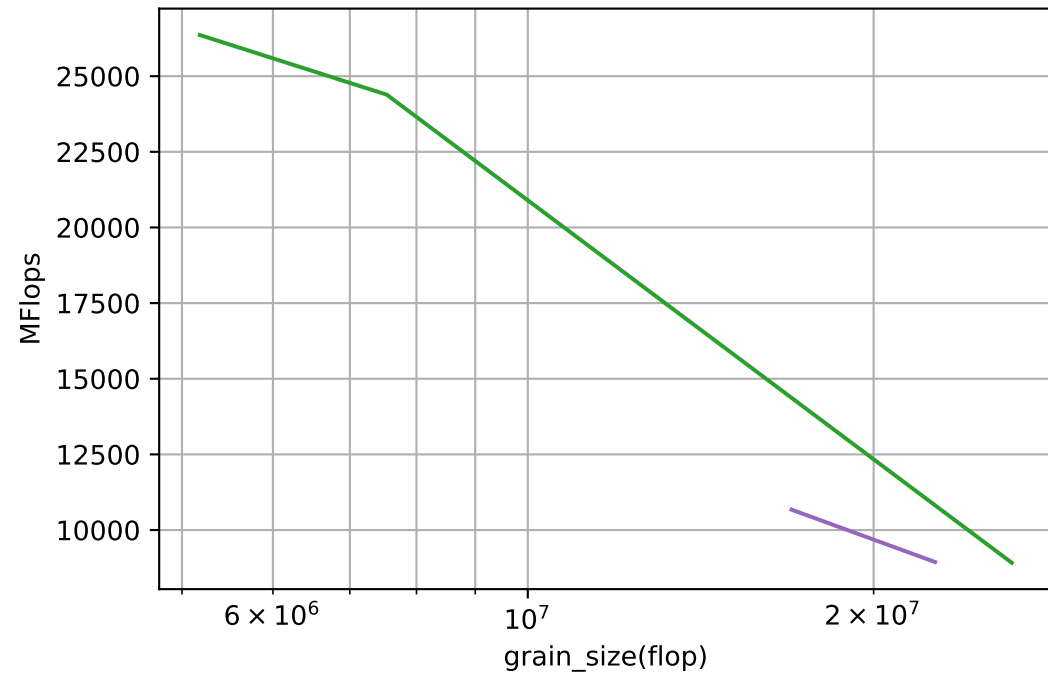|	
7 threads matrix_size:176 block_size:128-128 num_blocks:4	
7 threads matrix_size:176 block_size:176-176 num_blocks:1	
7 threads matrix_size:176 block_size:32-32 num_blocks:36	
7 threads matrix_size:176 block_size:176-176 num_blocks:1	
7 threads matrix_size:176 block_size:64-64 num_blocks:9	

dmatdmatmult
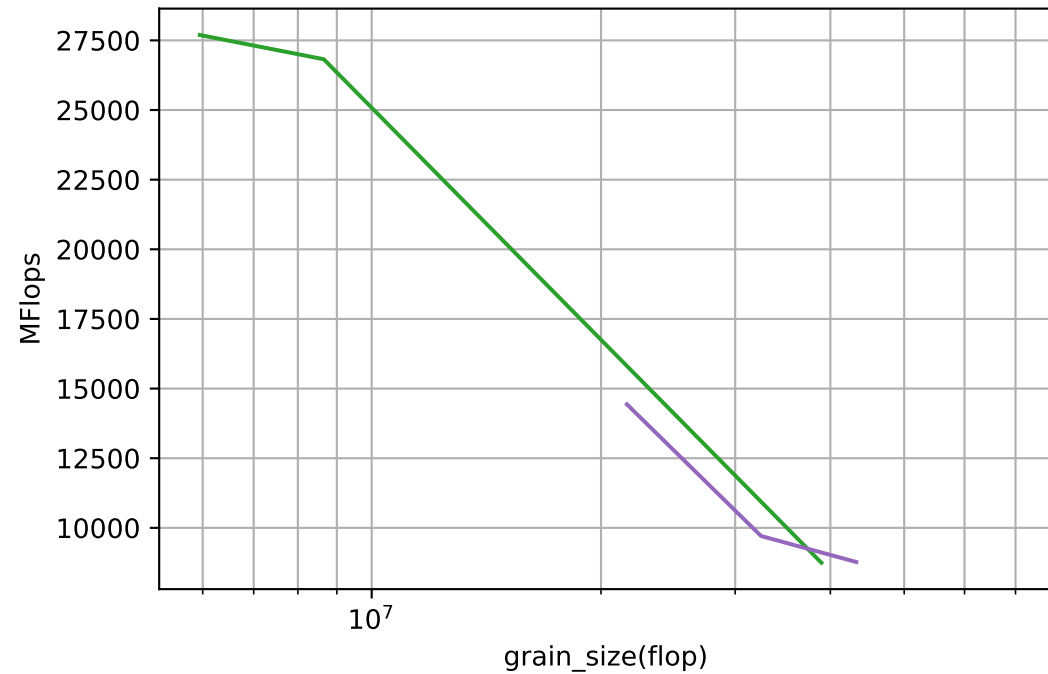
7 threads matrix_size:200 block_size:128-128 num_blocks:4
7 threads matrix_size:200 block_size:200-200 num_blocks:1
7 threads matrix_size:200 block_size:32-32 num_blocks:49
7 threads matrix_size:200 block_size:200-200 num_blocks:1
7 threads matrix_size:200 block_size:64-64 num_blocks:16

dmatdmatmult

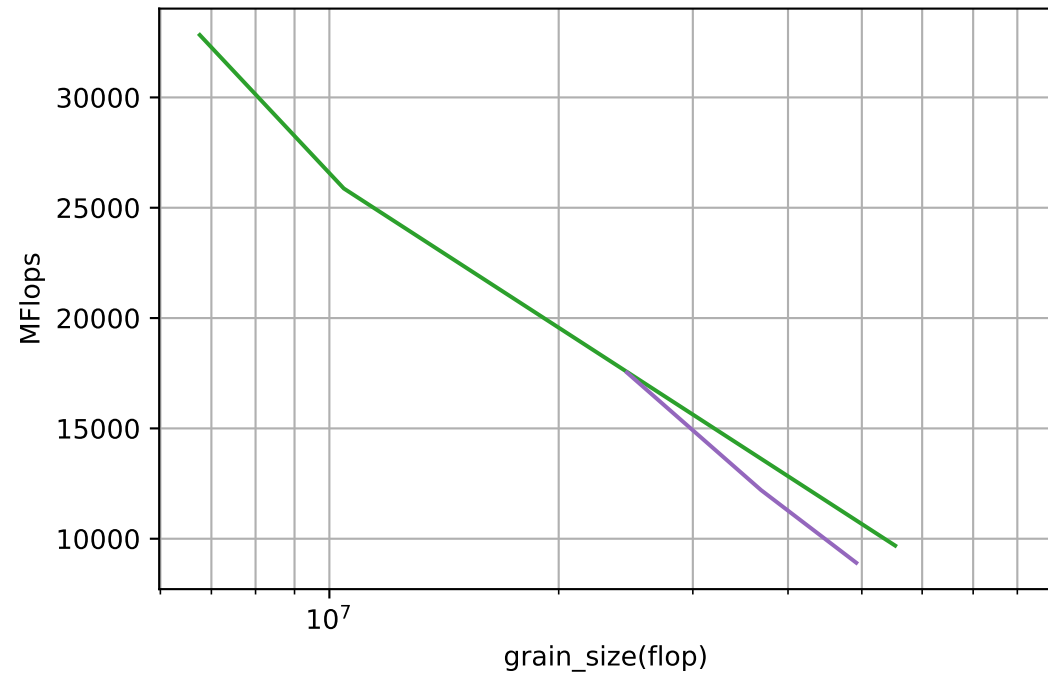|			
7 threads	matrix_size:230	block_size:128-128	num_blocks:4
7 threads	matrix_size:230	block_size:230-232	num_blocks:1
7 threads	matrix_size:230	block_size:32-32	num_blocks:64
7 threads	matrix_size:230	block_size:230-232	num_blocks:1
7 threads	matrix_size:230	block_size:64-64	num_blocks:16

dmatdmatmult

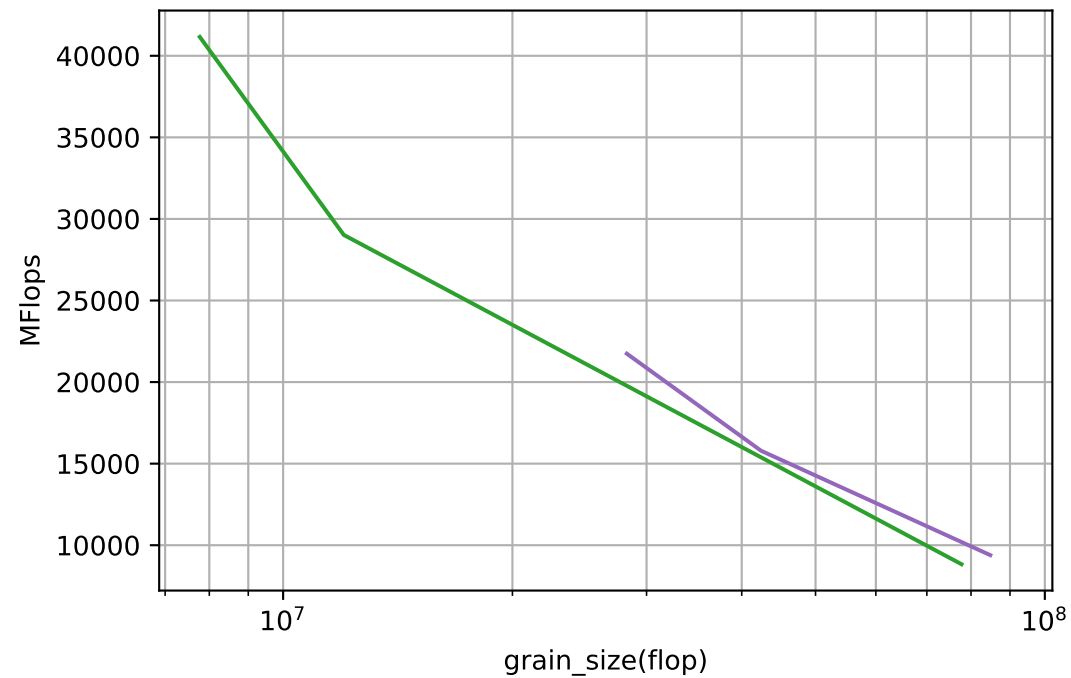|	
——	7 threads matrix_size:264 block_size:128-128 num_blocks:9
——	7 threads matrix_size:264 block_size:256-256 num_blocks:4
——	7 threads matrix_size:264 block_size:32-32 num_blocks:81
——	7 threads matrix_size:264 block_size:264-264 num_blocks:1
——	7 threads matrix_size:264 block_size:64-64 num_blocks:25

dmatdmatmult

Legend:
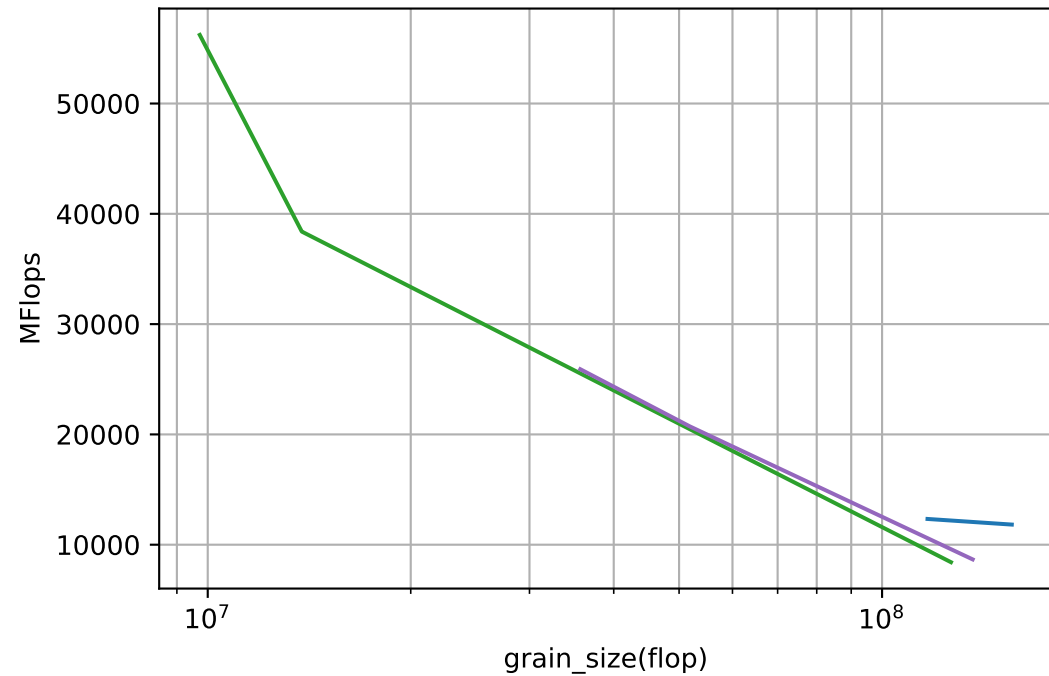- 7 threads matrix_size:300 block_size:128-128 num_blocks:9
- 7 threads matrix_size:300 block_size:256-256 num_blocks:4
- 7 threads matrix_size:300 block_size:32-32 num_blocks:100
- 7 threads matrix_size:300 block_size:300-300 num_blocks:1
- 7 threads matrix_size:300 block_size:64-64 num_blocks:25

dmatdmatmult

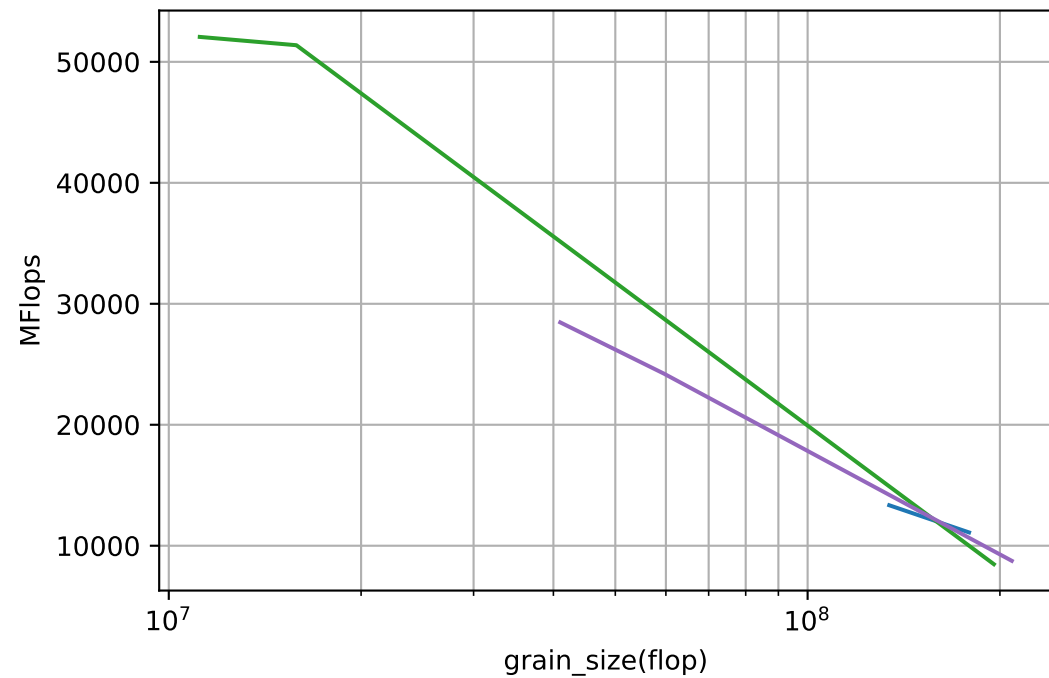|	
	7 threads matrix_size:345 block_size:128-128 num_blocks:9
	7 threads matrix_size:345 block_size:256-256 num_blocks:4
	7 threads matrix_size:345 block_size:32-32 num_blocks:121
	7 threads matrix_size:345 block_size:345-348 num_blocks:1
	7 threads matrix_size:345 block_size:64-64 num_blocks:36

dmatdmatmult

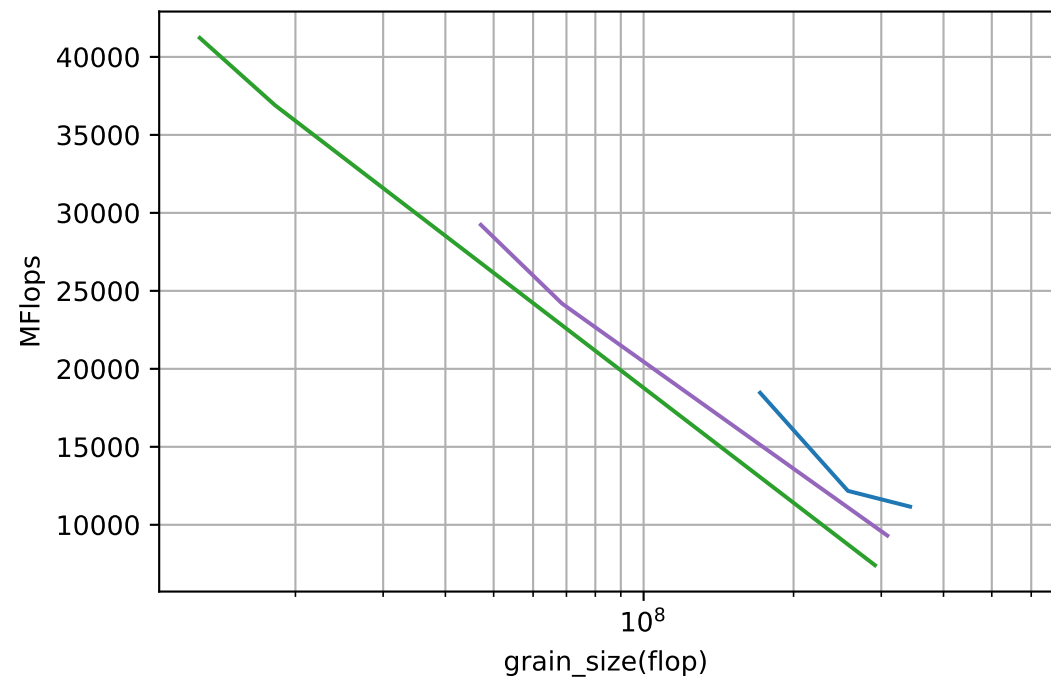|	
7 threads	matrix_size:396 block_size:128-128 num_blocks:16
7 threads	matrix_size:396 block_size:256-256 num_blocks:4
7 threads	matrix_size:396 block_size:32-32 num_blocks:169
7 threads	matrix_size:396 block_size:396-396 num_blocks:1
7 threads	matrix_size:396 block_size:64-64 num_blocks:49

dmatdmatmult

Legend:
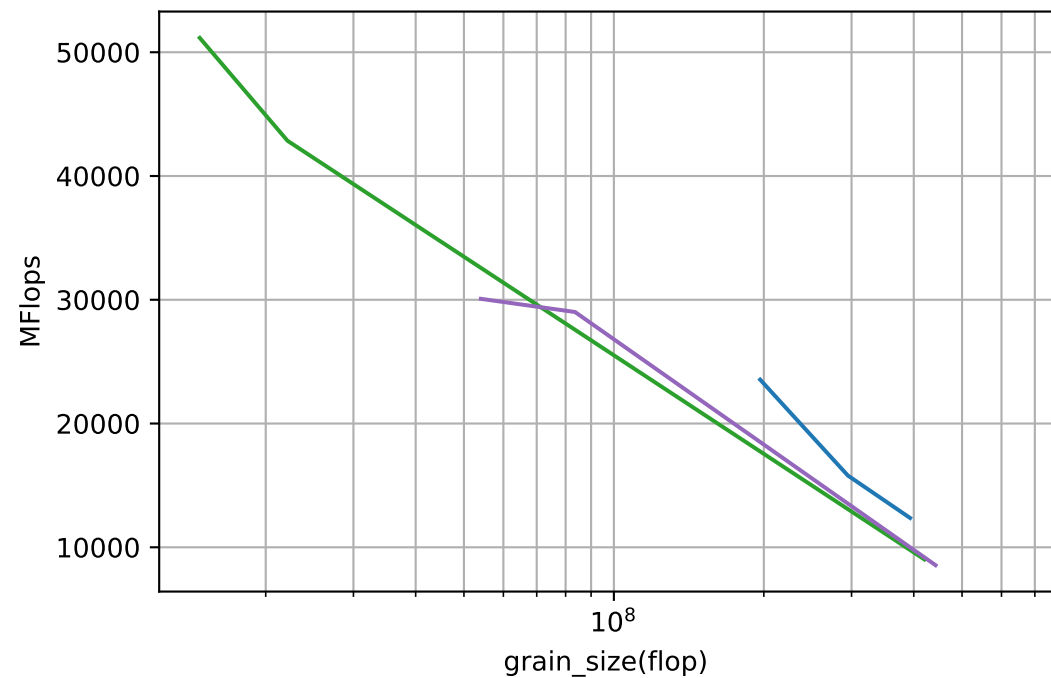- 7 threads matrix_size:455 block_size:128-128 num_blocks:16
- 7 threads matrix_size:455 block_size:256-256 num_blocks:4
- 7 threads matrix_size:455 block_size:32-32 num_blocks:225
- 7 threads matrix_size:455 block_size:455-456 num_blocks:1
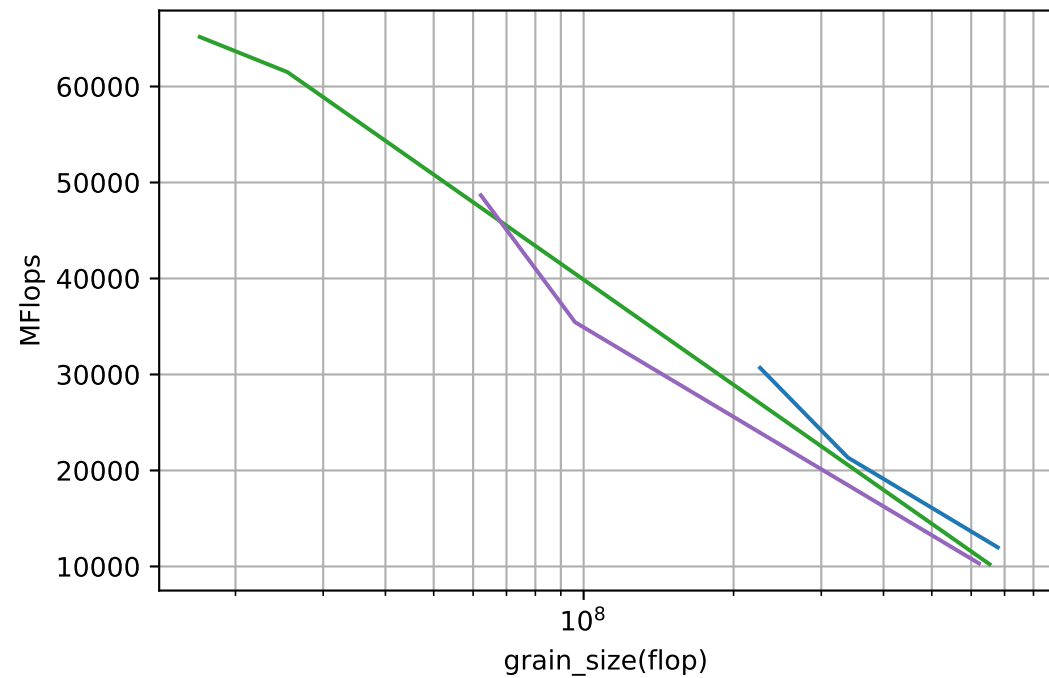- 7 threads matrix_size:455 block_size:64-64 num_blocks:64

X-axis: grain_size(flop)
Y-axis: MFlops

dmatdmatmult

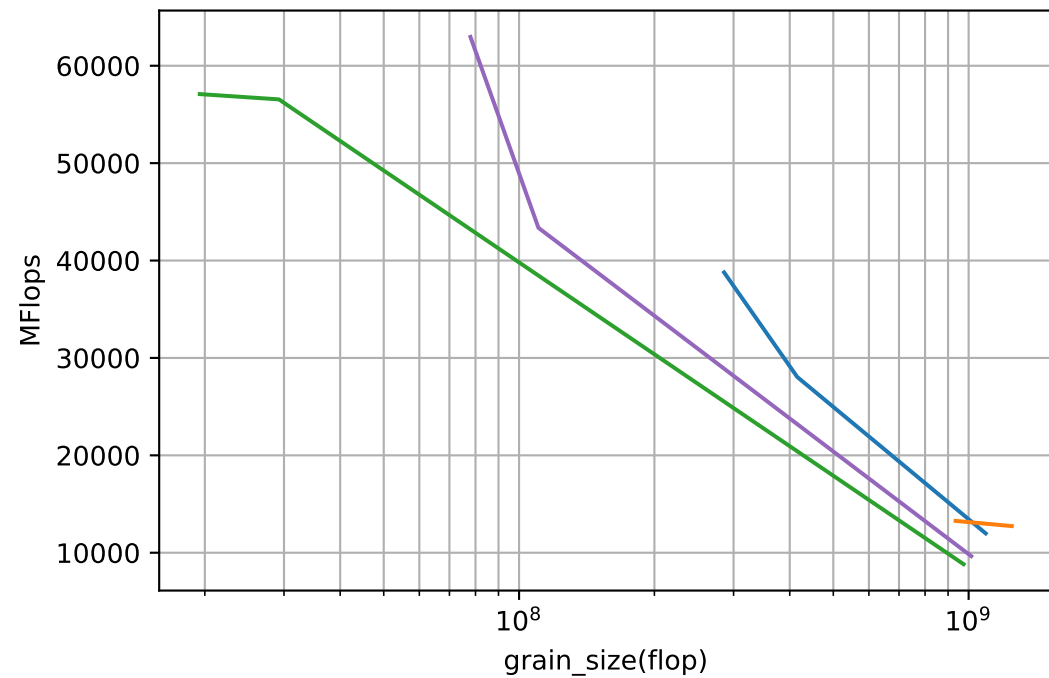|	
——	7 threads matrix_size:523 block_size:128-128 num_blocks:25
——	7 threads matrix_size:523 block_size:256-256 num_blocks:9
——	7 threads matrix_size:523 block_size:32-32 num_blocks:289
——	7 threads matrix_size:523 block_size:512-512 num_blocks:4
——	7 threads matrix_size:523 block_size:64-64 num_blocks:81

dmatdmatmult

——	7 threads matrix_size:600 block_size:128-128 num_blocks:25
——	7 threads matrix_size:600 block_size:256-256 num_blocks:9
——	7 threads matrix_size:600 block_size:32-32 num_blocks:361
——	7 threads matrix_size:600 block_size:512-512 num_blocks:4
——	7 threads matrix_size:600 block_size:64-64 num_blocks:100

dmatdmatmult

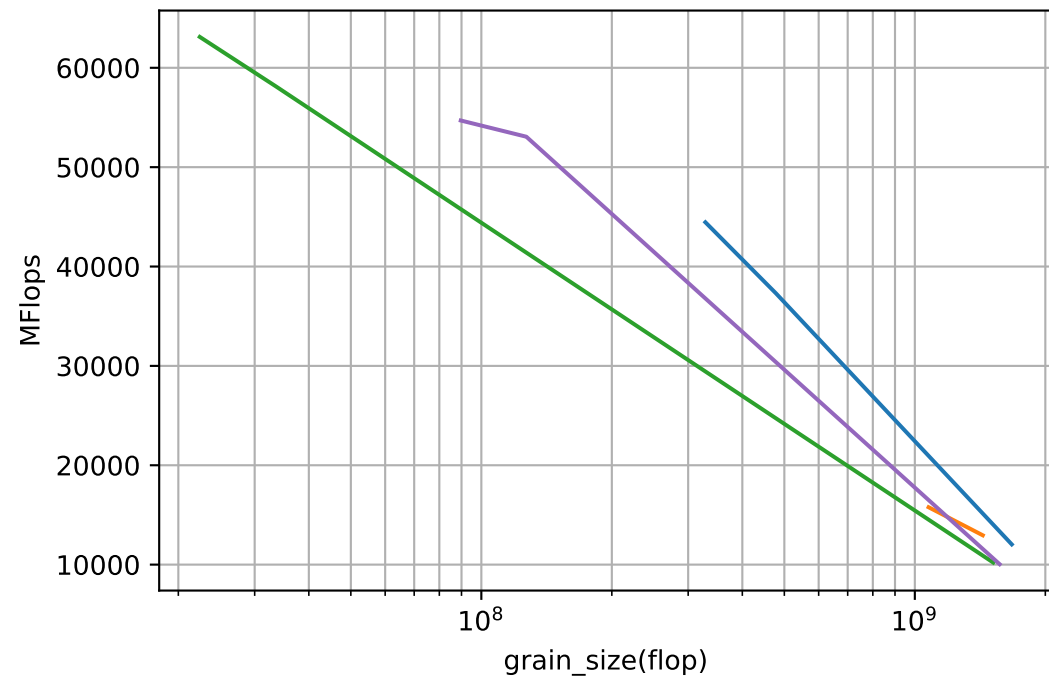|	
——	7 threads matrix_size:690 block_size:128-128 num_blocks:36
——	7 threads matrix_size:690 block_size:256-256 num_blocks:9
——	7 threads matrix_size:690 block_size:32-32 num_blocks:484
——	7 threads matrix_size:690 block_size:512-512 num_blocks:4
——	7 threads matrix_size:690 block_size:64-64 num_blocks:121

dmatdmatmult

7 threads	matrix_size:793 block_size:128-128 num_blocks:49
7 threads	matrix_size:793 block_size:256-256 num_blocks:16
7 threads	matrix_size:793 block_size:32-32 num_blocks:625
7 threads	matrix_size:793 block_size:512-512 num_blocks:4
7 threads	matrix_size:793 block_size:64-64 num_blocks:169

dmatdmatmult

Legend:
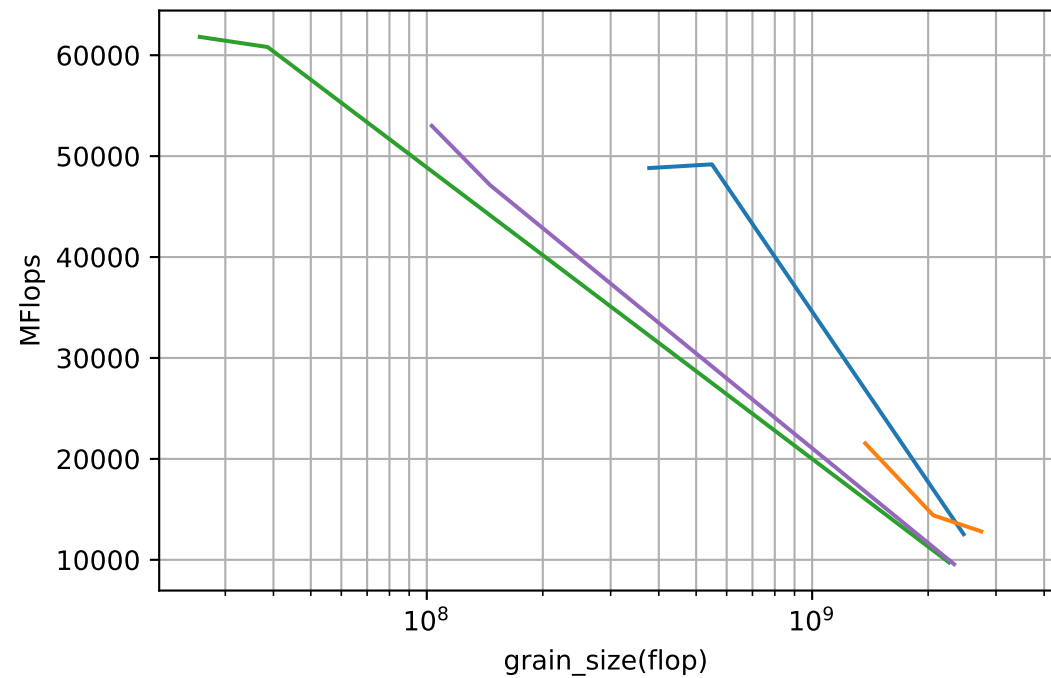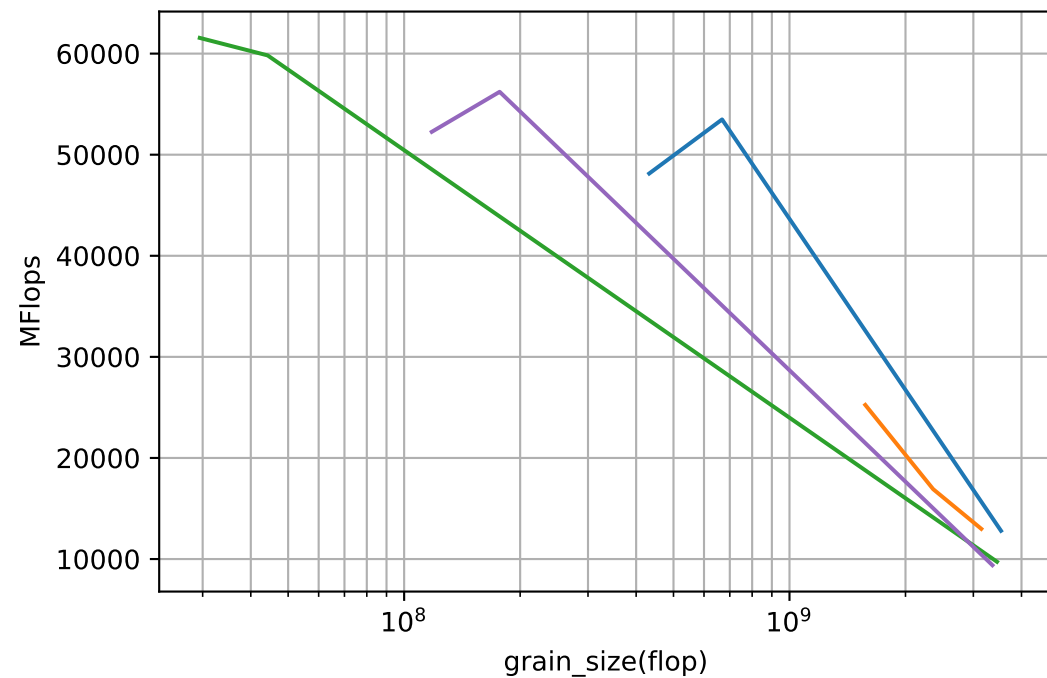- 7 threads matrix_size:912 block_size:128-128 num_blocks:64
- 7 threads matrix_size:912 block_size:256-256 num_blocks:16
- 7 threads matrix_size:912 block_size:32-32 num_blocks:841
- 7 threads matrix_size:912 block_size:512-512 num_blocks:4
- 7 threads matrix_size:912 block_size:64-64 num_blocks:225

X-axis: grain_size(flop)
Y-axis: MFlops

dmatdmatmult

Legend:
- 7 threads matrix_size:1048 block_size:128-128 num_blocks:81
- 7 threads matrix_size:1048 block_size:256-256 num_blocks:25
- 7 threads matrix_size:1048 block_size:32-32 num_blocks:1089
- 7 threads matrix_size:1048 block_size:512-512 num_blocks:9
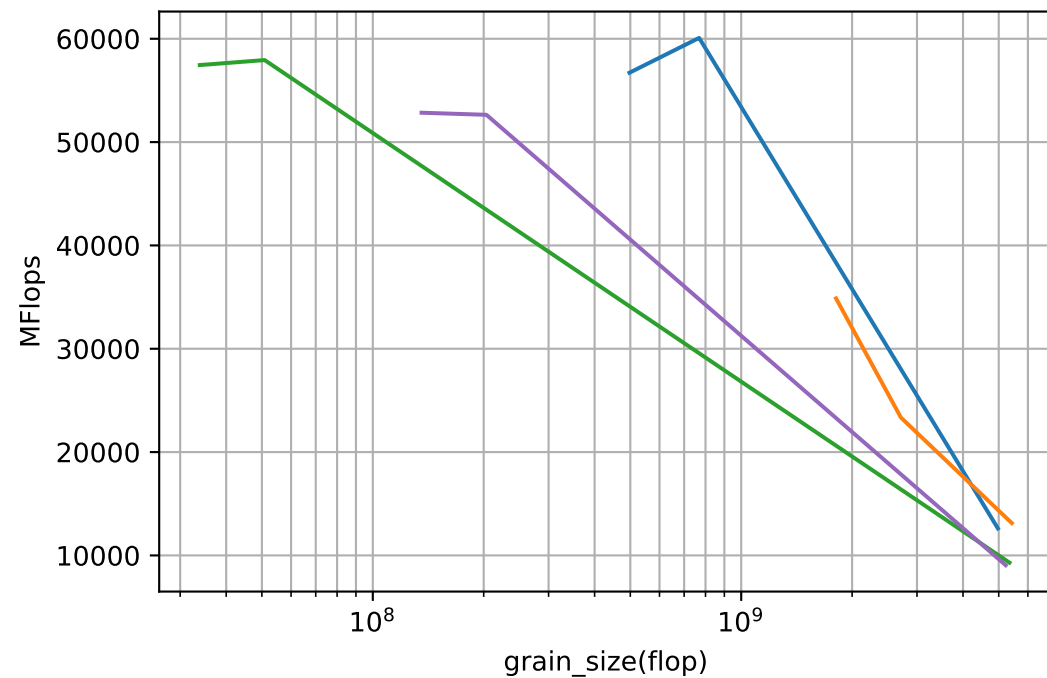- 7 threads matrix_size:1048 block_size:64-64 num_blocks:289

x-axis: grain_size(flop)
y-axis: MFlops

dmatdmatmult

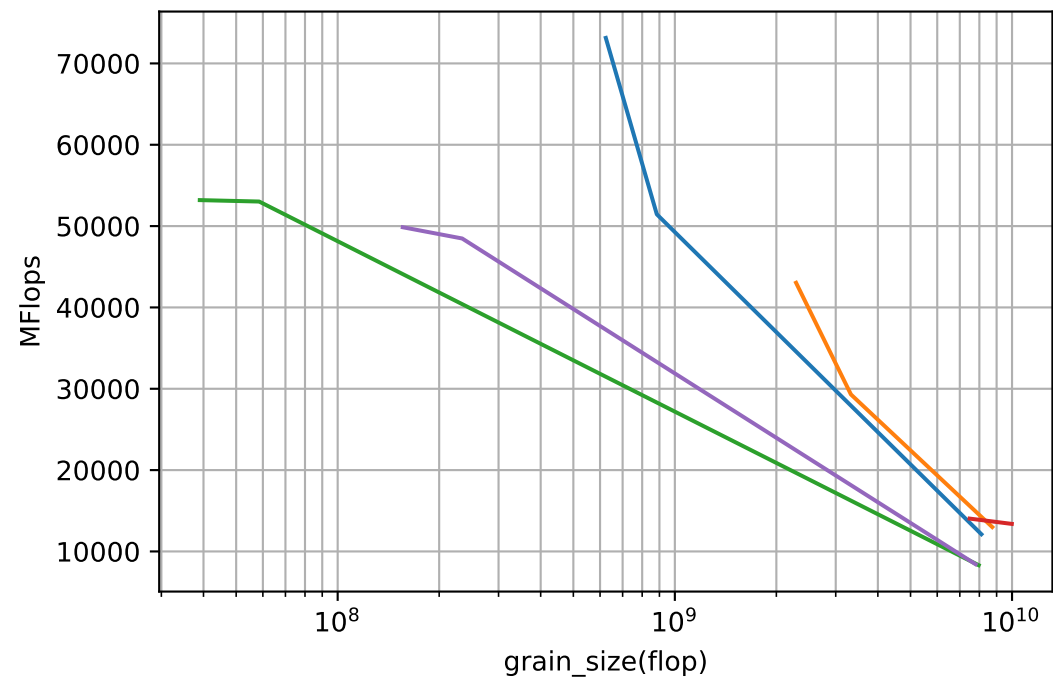|	
——	7 threads matrix_size:1200 block_size:128-128 num_blocks:100
——	7 threads matrix_size:1200 block_size:256-256 num_blocks:25
——	7 threads matrix_size:1200 block_size:32-32 num_blocks:1444
——	7 threads matrix_size:1200 block_size:512-512 num_blocks:9
——	7 threads matrix_size:1200 block_size:64-64 num_blocks:361

dmatdmatmult

Legend:
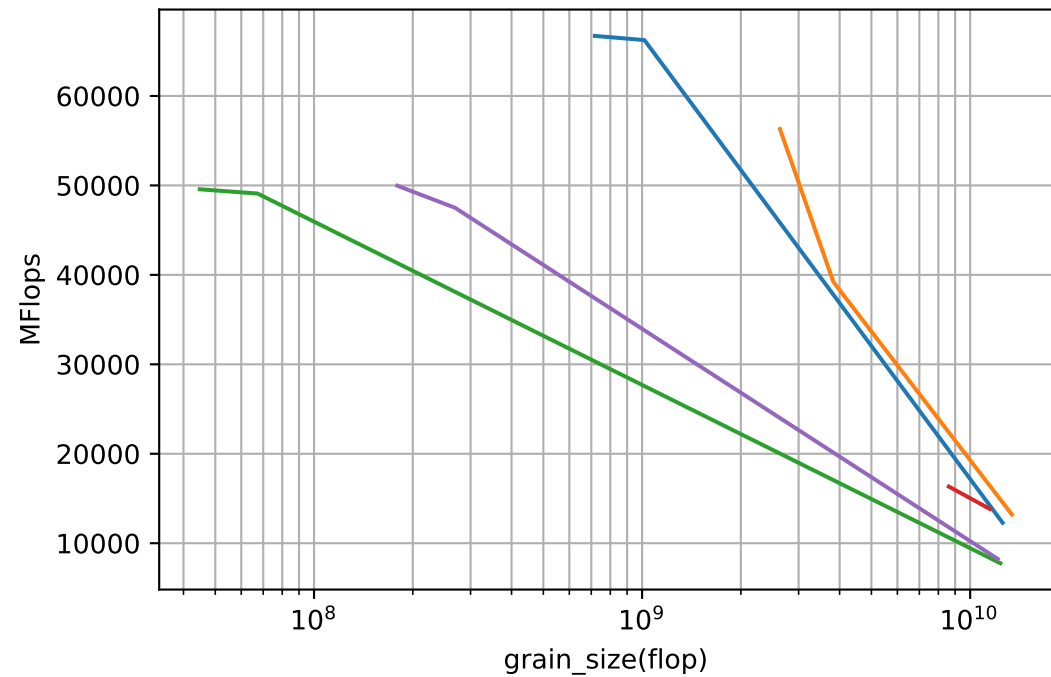- 7 threads matrix_size:1380 block_size:128-128 num_blocks:121
- 7 threads matrix_size:1380 block_size:256-256 num_blocks:36
- 7 threads matrix_size:1380 block_size:32-32 num_blocks:1936
- 7 threads matrix_size:1380 block_size:512-512 num_blocks:9
- 7 threads matrix_size:1380 block_size:64-64 num_blocks:484

Axis labels: MFlops (y-axis), grain_size(flop) (x-axis)

dmatdmatmult

Legend:
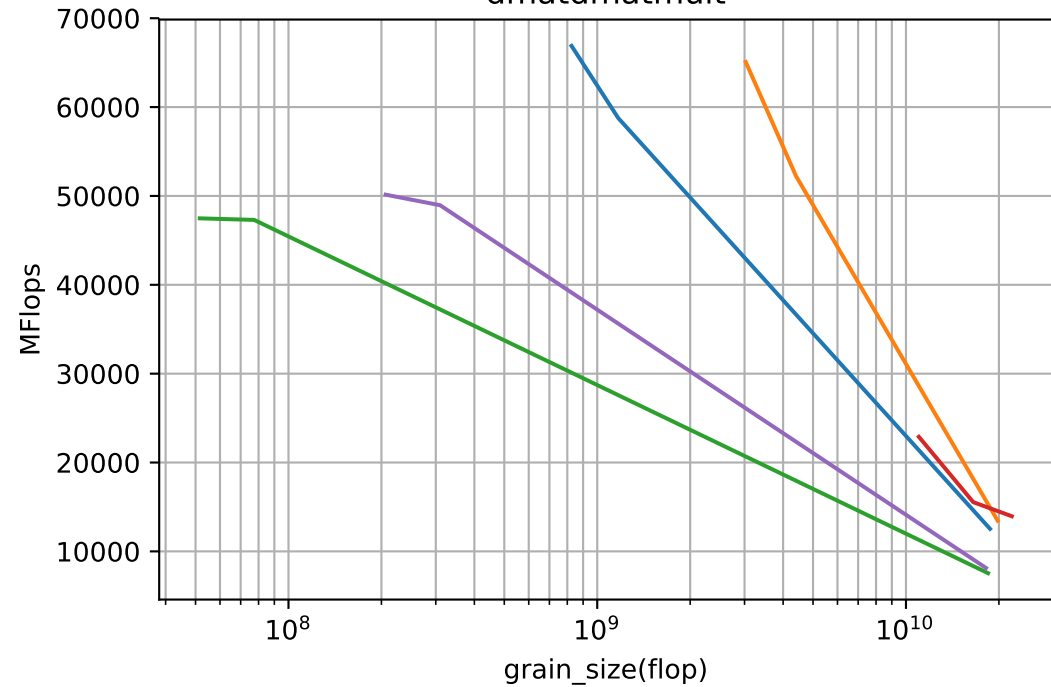- 7 threads matrix_size:1587 block_size:128-128 num_blocks:169
- 7 threads matrix_size:1587 block_size:256-256 num_blocks:49
- 7 threads matrix_size:1587 block_size:32-32 num_blocks:2500
- 7 threads matrix_size:1587 block_size:512-512 num_blocks:16
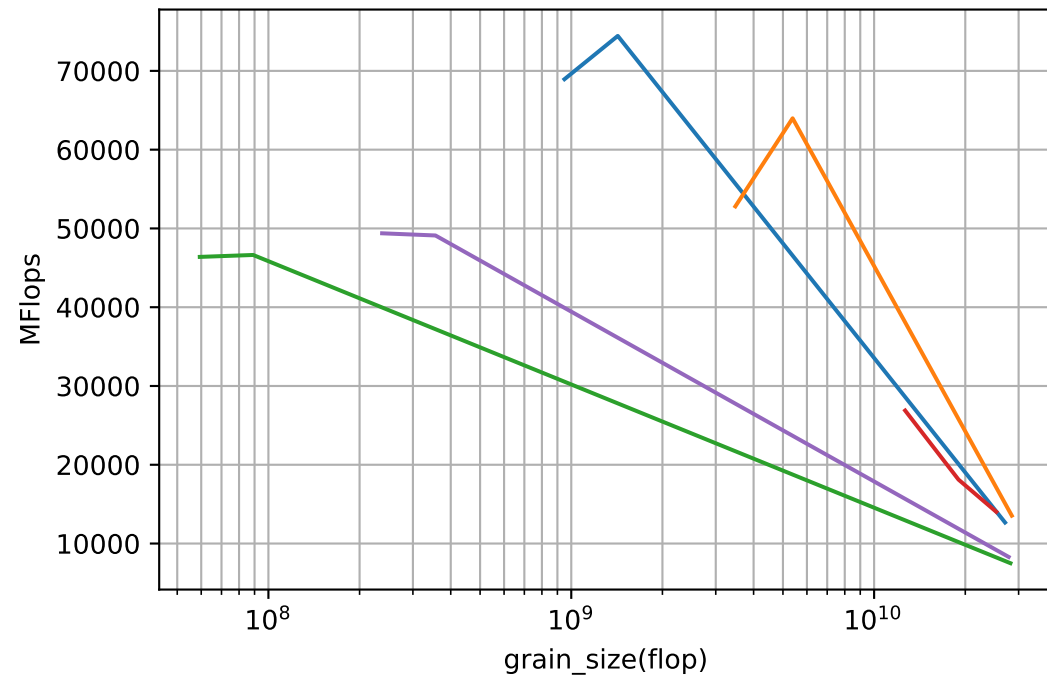- 7 threads matrix_size:1587 block_size:64-64 num_blocks:625

dmatdmatmult

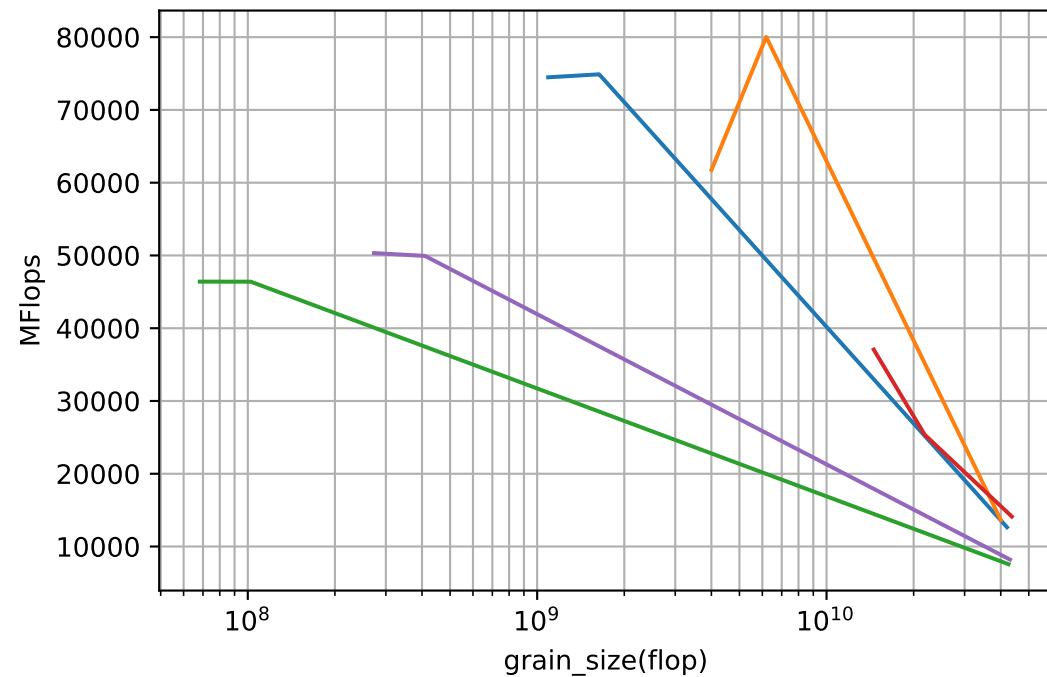|	
—— 7 threads matrix_size:1825 block_size:128-128 num_blocks:225	
—— 7 threads matrix_size:1825 block_size:256-256 num_blocks:64	
—— 7 threads matrix_size:1825 block_size:32-32 num_blocks:3364	
—— 7 threads matrix_size:1825 block_size:512-512 num_blocks:16	
—— 7 threads matrix_size:1825 block_size:64-64 num_blocks:841	

dmatdmatmult

	7 threads	matrix_size:2100	block_size:128-128	num_blocks:289
7 threads	matrix_size:2100	block_size:256-256	num_blocks:81
7 threads	matrix_size:2100	block_size:32-32	num_blocks:4356
7 threads	matrix_size:2100	block_size:512-512	num_blocks:25
7 threads	matrix_size:2100	block_size:64-64	num_blocks:1089

dmatdmatmult

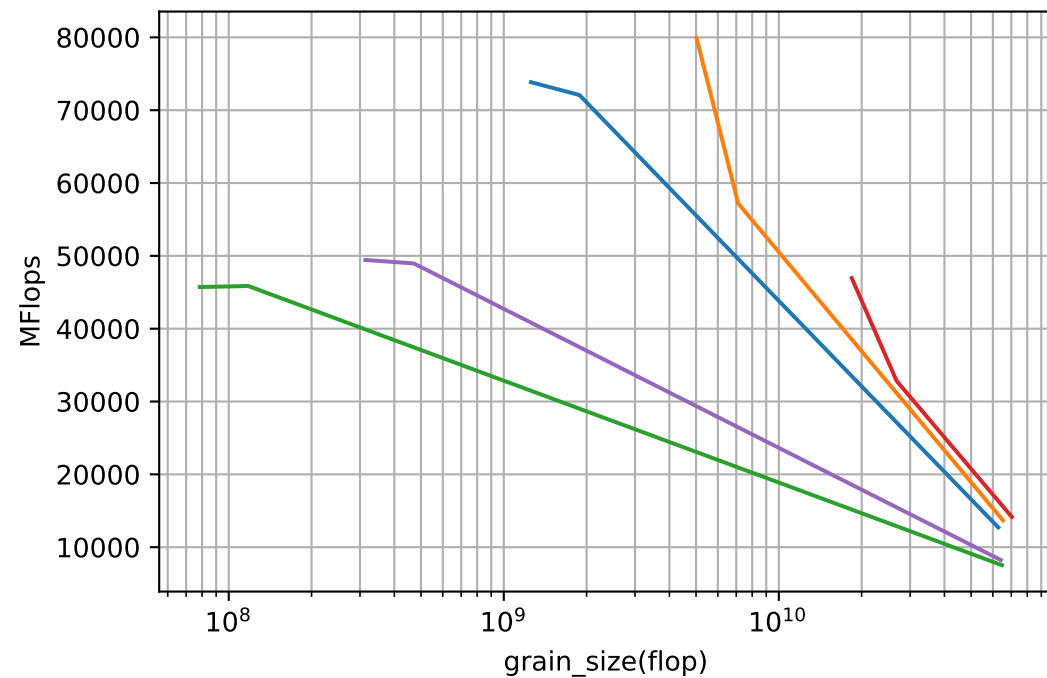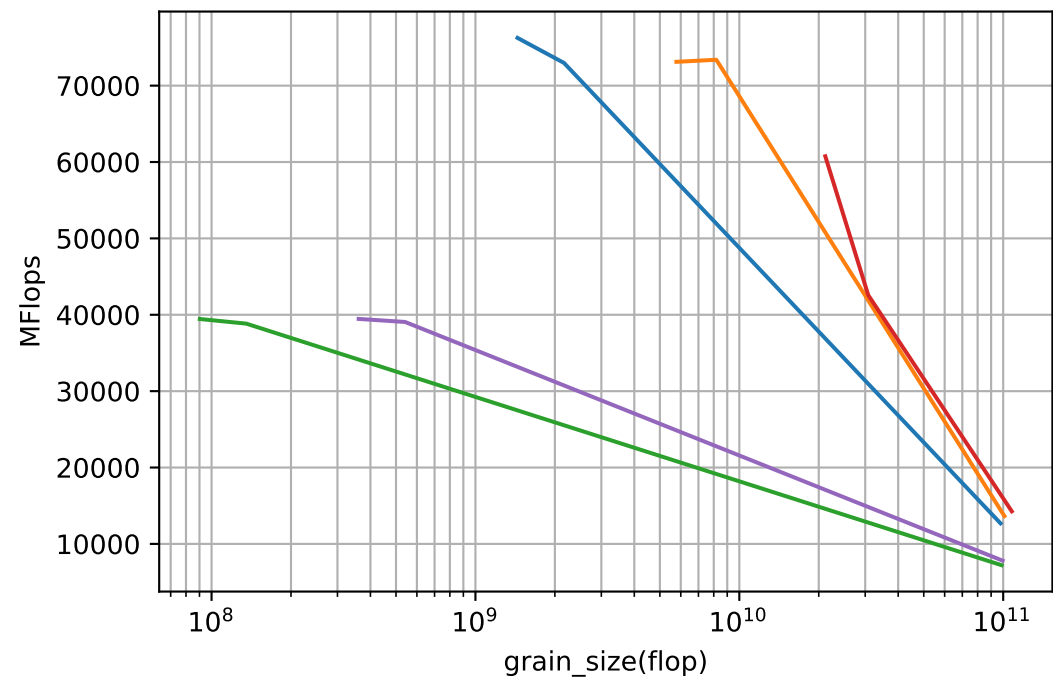|	
7 threads	matrix_size:2415 block_size:128-128 num_blocks:361
7 threads	matrix_size:2415 block_size:256-256 num_blocks:100
7 threads	matrix_size:2415 block_size:32-32 num_blocks:5776
7 threads	matrix_size:2415 block_size:512-512 num_blocks:25
7 threads	matrix_size:2415 block_size:64-64 num_blocks:1444

dmatdmatmult

Legend:
- 7 threads matrix_size:2777 block_size:128-128 num_blocks:484
- 7 threads matrix_size:2777 block_size:256-256 num_blocks:121
- 7 threads matrix_size:2777 block_size:32-32 num_blocks:7569
- 7 threads matrix_size:2777 block_size:512-512 num_blocks:36
- 7 threads matrix_size:2777 block_size:64-64 num_blocks:1936

X-axis: grain_size(flop)
Y-axis: MFlops

dmatdmatmult

- 7 threads matrix_size:3193 block_size:128-128 num_blocks:625
- 7 threads matrix_size:3193 block_size:256-256 num_blocks:169
- 7 threads matrix_size:3193 block_size:32-32 num_blocks:10000
- 7 threads matrix_size:3193 block_size:512-512 num_blocks:49
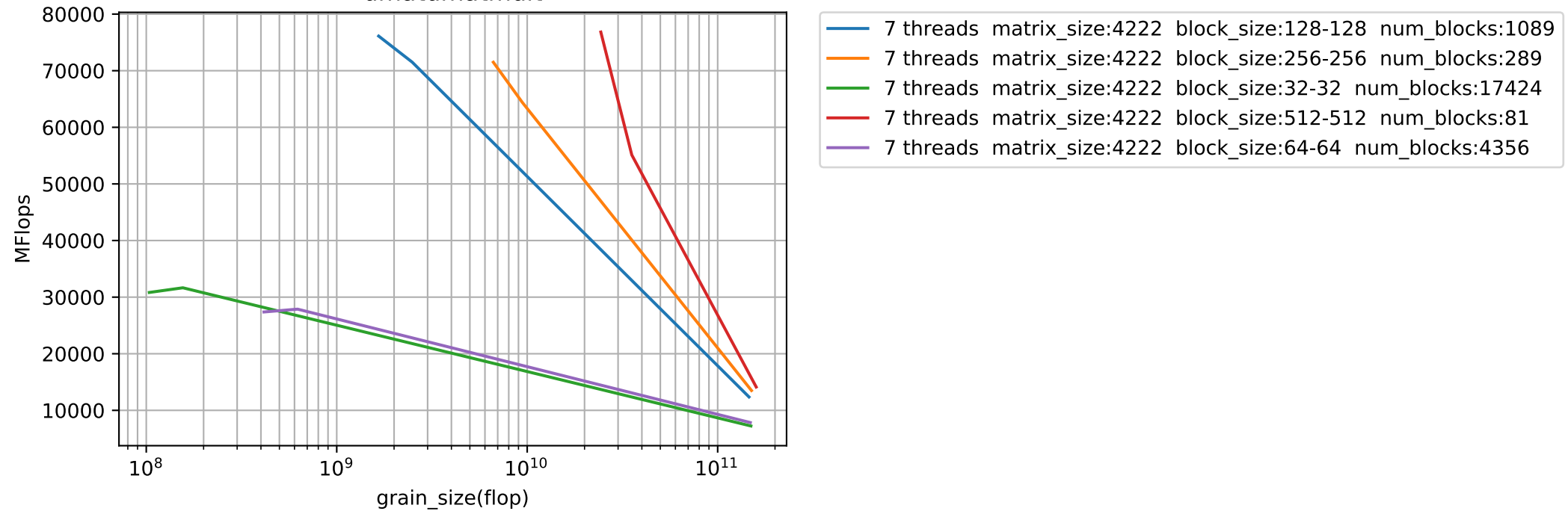- 7 threads matrix_size:3193 block_size:64-64 num_blocks:2500

dmatdmatmult

7 threads matrix_size:3672 block_size:128-128 num_blocks:841	
7 threads matrix_size:3672 block_size:256-256 num_blocks:225	
7 threads matrix_size:3672 block_size:32-32 num_blocks:13225	
7 threads matrix_size:3672 block_size:512-512 num_blocks:64	
7 threads matrix_size:3672 block_size:64-64 num_blocks:3364	

dmatdmatmult

Legend:
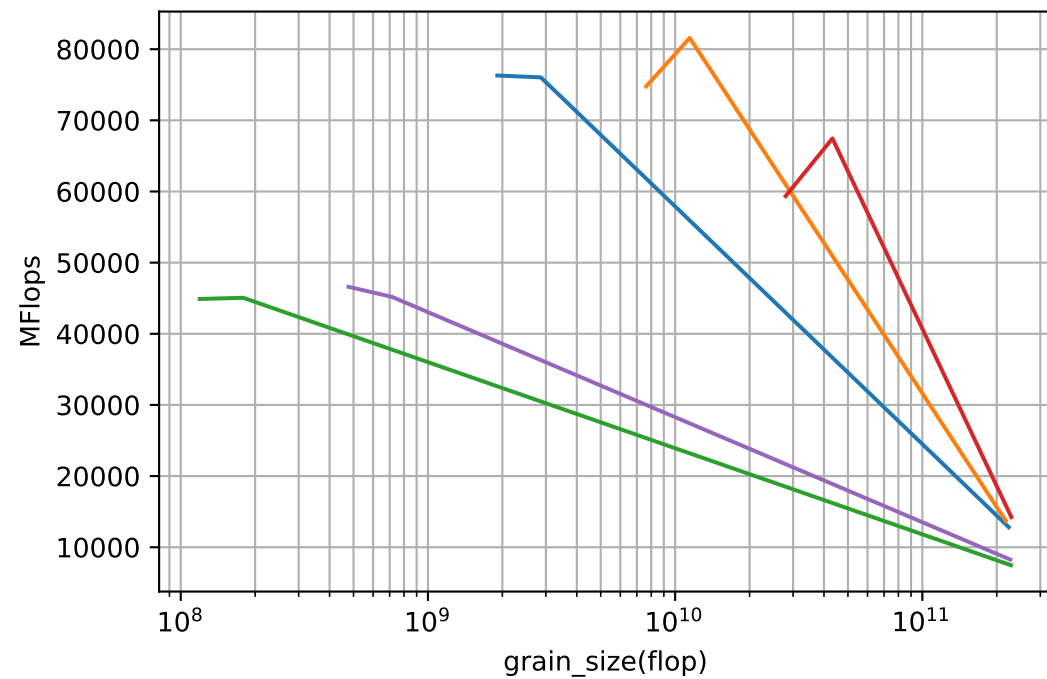- 7 threads matrix_size:4222 block_size:128-128 num_blocks:1089
- 7 threads matrix_size:4222 block_size:256-256 num_blocks:289
- 7 threads matrix_size:4222 block_size:32-32 num_blocks:17424
- 7 threads matrix_size:4222 block_size:512-512 num_blocks:81
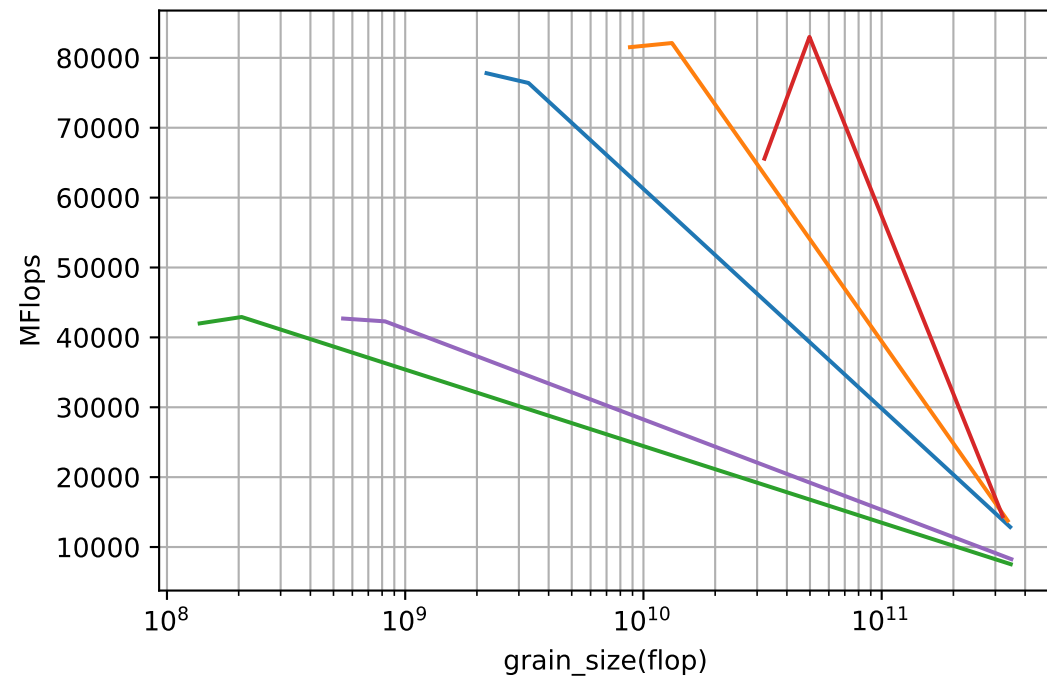- 7 threads matrix_size:4222 block_size:64-64 num_blocks:4356

dmatdmatmult

Legend:
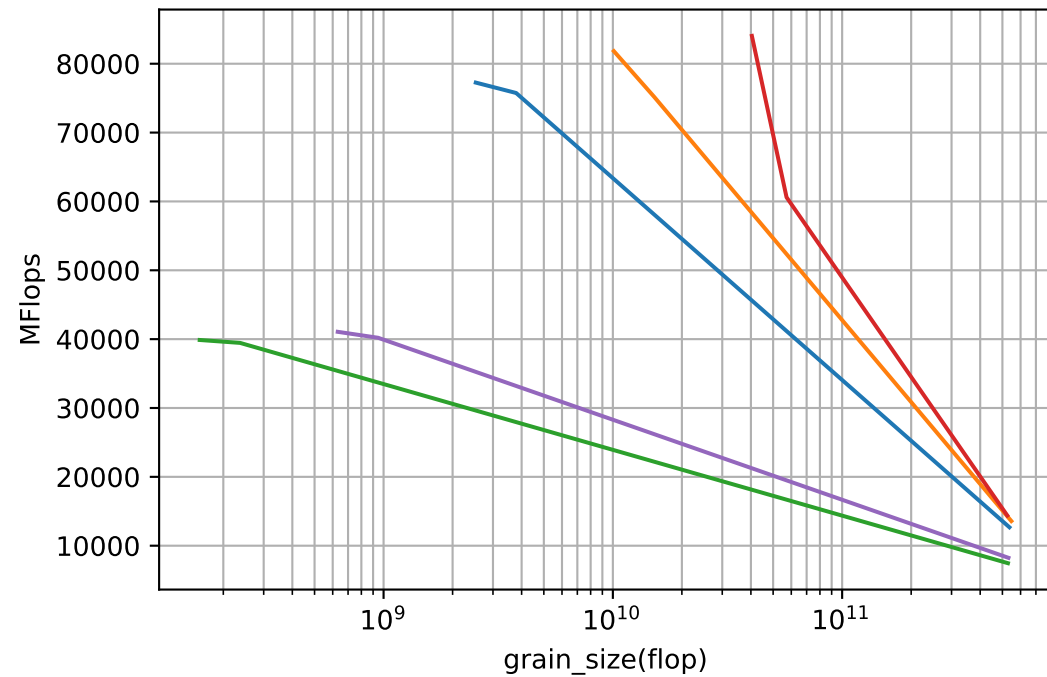- 7 threads matrix_size:4855 block_size:128-128 num_blocks:1444
- 7 threads matrix_size:4855 block_size:256-256 num_blocks:361
- 7 threads matrix_size:4855 block_size:32-32 num_blocks:23104
- 7 threads matrix_size:4855 block_size:512-512 num_blocks:100
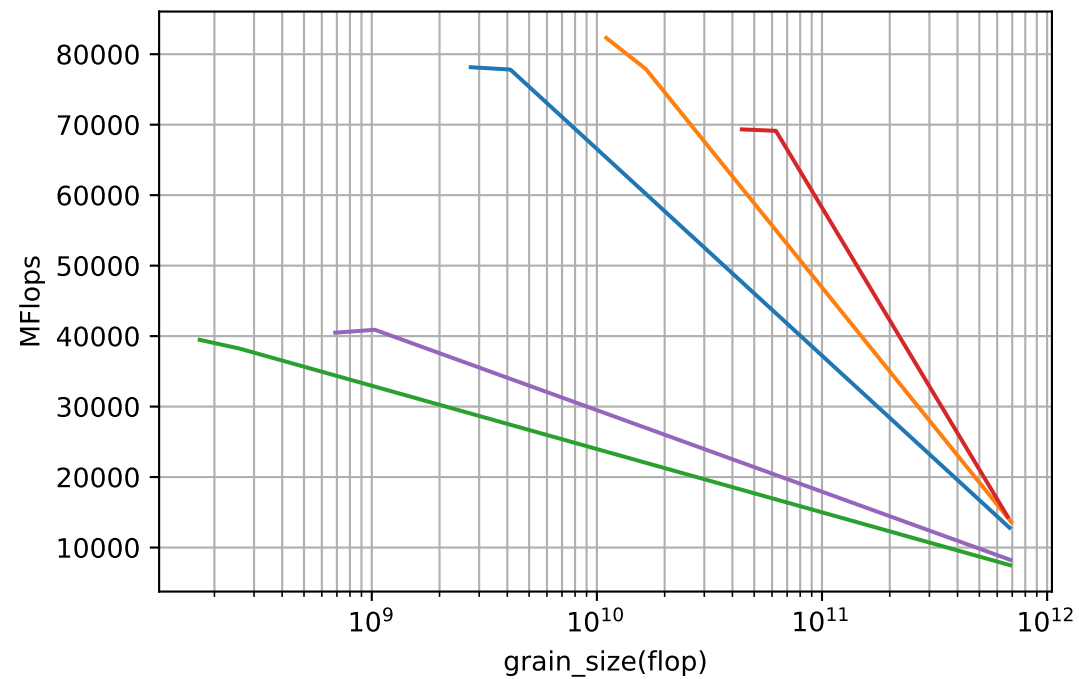- 7 threads matrix_size:4855 block_size:64-64 num_blocks:5776

dmatdmatmult

Legend:
- 7 threads matrix_size:5583 block_size:128-128 num_blocks:1936
- 7 threads matrix_size:5583 block_size:256-256 num_blocks:484
- 7 threads matrix_size:5583 block_size:32-32 num_blocks:30625
- 7 threads matrix_size:5583 block_size:512-512 num_blocks:121
- 7 threads matrix_size:5583 block_size:64-64 num_blocks:7744

X-axis: grain_size(flop)
Y-axis: MFlops

dmatdmatmult

—	7 threads matrix_size:6420 block_size:128-128 num_blocks:2601
—	7 threads matrix_size:6420 block_size:256-256 num_blocks:676
—	7 threads matrix_size:6420 block_size:32-32 num_blocks:40401
—	7 threads matrix_size:6420 block_size:512-512 num_blocks:169
—	7 threads matrix_size:6420 block_size:64-64 num_blocks:10201

dmatdmatmult

7 threads	matrix_size:7000	block_size:128-128	num_blocks:3025
7 threads	matrix_size:7000	block_size:256-256	num_blocks:784
7 threads	matrix_size:7000	block_size:32-32	num_blocks:47961
7 threads	matrix_size:7000	block_size:512-512	num_blocks:196
7 threads	matrix_size:7000	block_size:64-64	num_blocks:12100