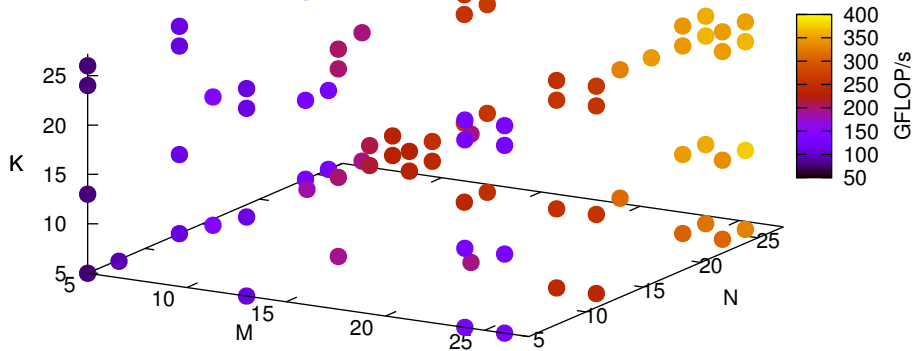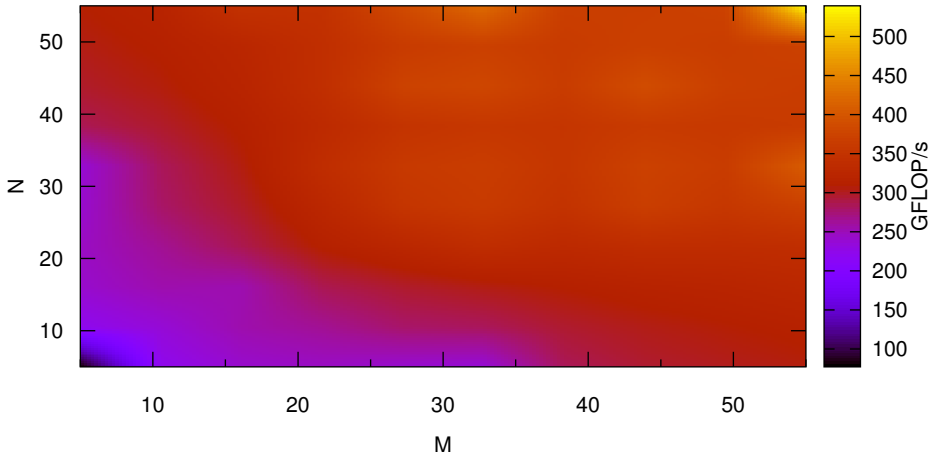Performance (Selected Kernels)
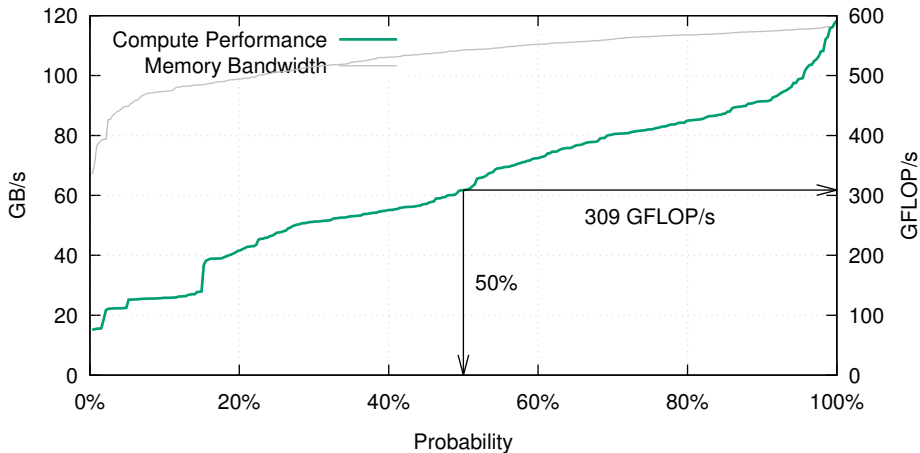
Performance (K-Average for 328 Kernels)

Performance (Average per Bin)

	Small	Medium	Larger	

402 GFLOP/s
(102 GB/s)

259 GFLOP/s
(110 GB/s)

143 GFLOP/s
(113 GB/s)

N=41   N=124   N=163

GFLOP/s

400
350
300
250
200
150
100
50
0

$MNK <= 13^3$ $13^3 < MNK <= 23^3$ $23^3 < MNK$
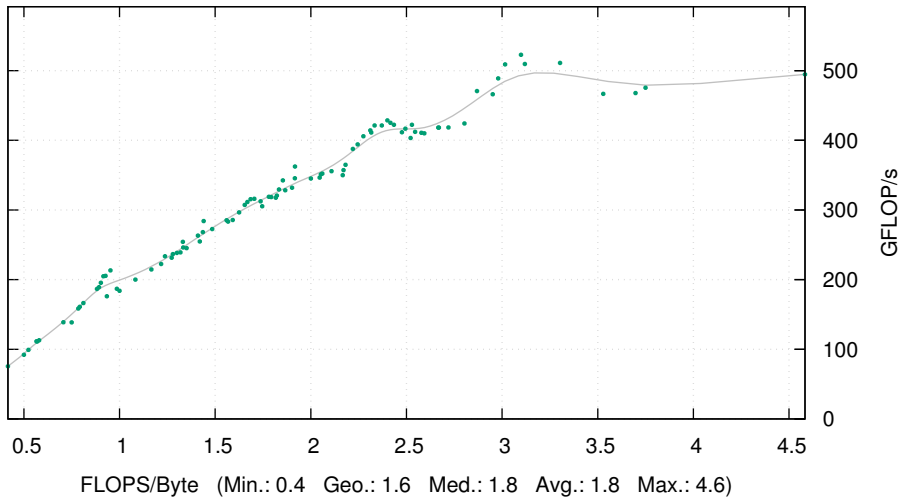
Problem Size (MNK)
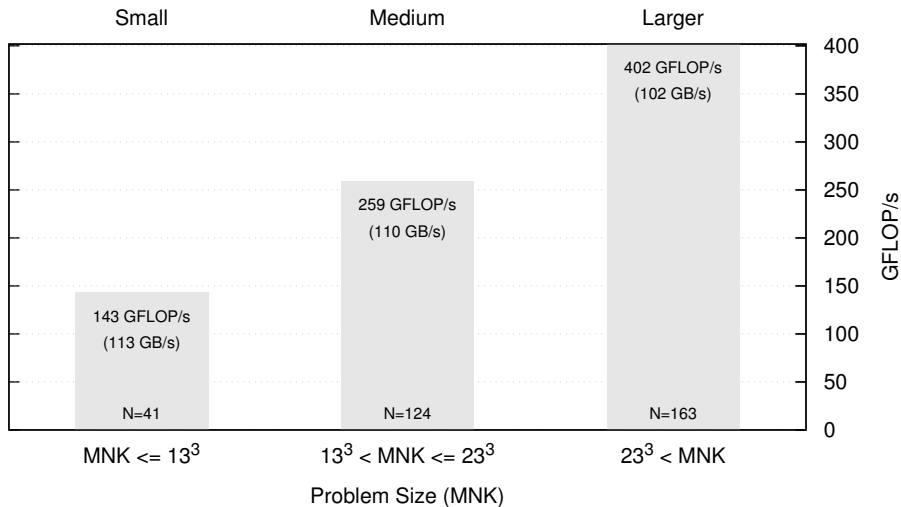
Cummulative Performance Distribution (CDF for 328 Kernels)
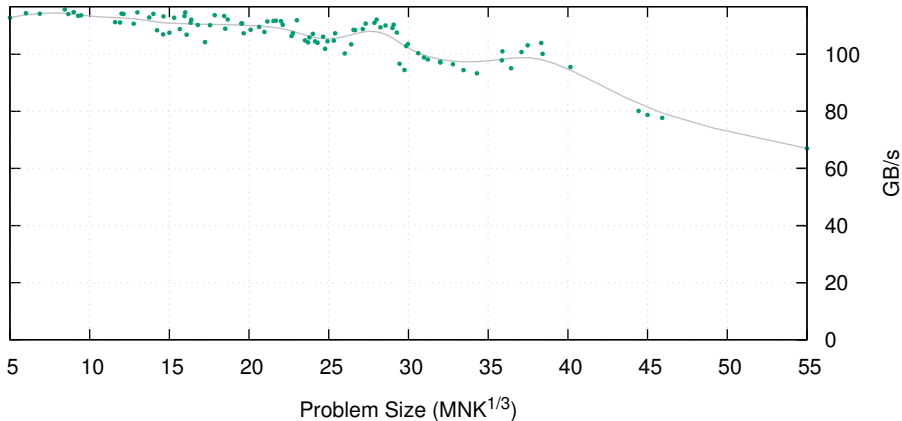
Min.: 76 GFLOP/s   Geo.: 288 GFLOP/s   Med.: 309 GFLOP/s   Avg.: 315 GFLOP/s   Max.: 592 GFLOP/s

Arithmetic Intensity (328 Kernels)

GFLOP/s

FLOPS/Byte   (Min.: 0.4   Geo.: 1.6   Med.: 1.8   Avg.: 1.8   Max.: 4.6)

Memory Bandwidth Consumption (328 Kernels)

Problem Size (MNK$^{1/3}$)

GB/s

Min.: 67 GB/s   Geo.: 106 GB/s   Med.: 109 GB/s   Avg.: 106 GB/s   Max.: 117 GB/s