

see detailed metrics. Double-click on demangled names to rename

ns]	Compute Throughput	Memory Throughput	# Registers [register]
0.00	91.56	36.53	122
0.00	91.59	36.54	122

hotly: from 63 \rightarrow 70 \rightarrow 92
w/ colas

likely due to
- register tiling (massive AI)
(uses 122 reg)

- async
- double buffering

High-level overview of the throughput for compute and memory resources of the GPU. For each unit, the throughput reports the achieved percentage of utilization with respect to the theoretical maximum. Breakdown the GPU presented as a roofline chart.

Compute (SM) Throughput [%]

Memory Throughput [%]

L1/TEX Cache Throughput [%]

L2 Cache Throughput [%]

DRAM Throughput [%]

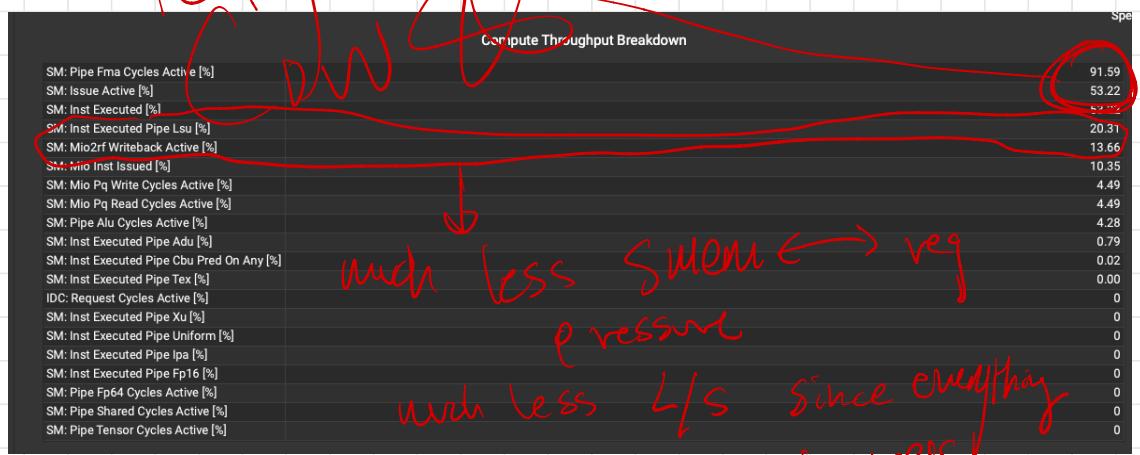
High Throughput The kernel is utilizing greater than 80.0% of the available compute or memory performance of the device. To further improve performance, work will likely need to be shifted from the memory.

Compute Bottlenecks Detect bottlenecks arising from compute capabilities.

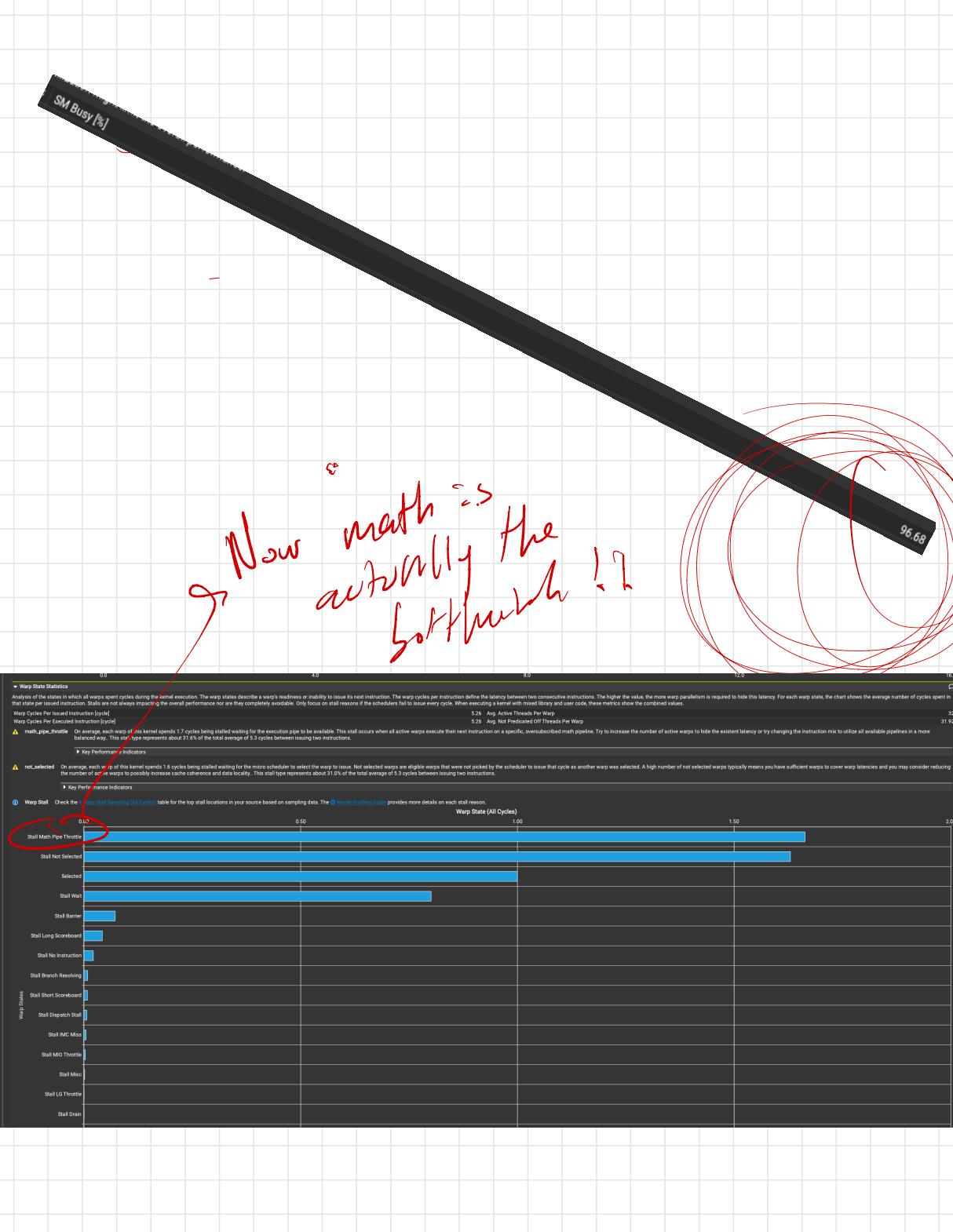
91.59	Dur
36.54	Elap
38.57	SM
13.19	SM
2.32	DR

much much
cover
tasks
for stuff
from fram
much more

Hc registers
are the new
'cache'



much less SMem ↔ reg
pressure
much less L/s since everything
in reg



18-1 occupy coupon to
my 94-1.

Naive bottleneck: Cover
(cards)

Tiled bottleneck: Swap to reg
bus

Coblas bottleneck: Math

122 reg found \rightarrow only

18-1. occupy \rightarrow

much more ELP

