

Experiment Configuration

Experiments to Run: Overview

Overview Experiment

Select this experiment:

- All (Kernel-Level)
- All (Source-Level)

Experiment

Experiment	Description
Achieved Occupancy	Calculates the occupancy achieved at runtime of the kernel.
Instruction Statistics	Collects instructions per clock cycle (IPC), instructions per warp (IPW) and SM activity.
Issue Efficiency	Collects efficiency metrics for issuing the kernel's instructions.

Experiments to Run: Custom

Presets


- Overview
- Memory
- All (Kernel-Level)
- All (Source-Level)
- All

Kernel-Level Experiments

- Achieved FLOPS
- Achieved IOPS
- Achieved Occupancy
- Branch Statistics


Select a chosen experiment to see configuration options.

Connection Status



Available Devices:
GeForce GTX 1080 Ti (GP102)


Application Control



Launch

Kill

Capture Control



Start

Stop

Cancel

☒ Open Report on Stop

Summary Report

tmp180528_000_Capture_000.nvreport - Activity1.nvact* kernel.cu

CUDA Launches

Filter

Function Name	Grid Dimensions	Block Dimensions	Start Time (us)	Duration (us)	Occupancy	Registers per Thread	Static Shared Memory per Block (bytes)	Dynamic Shared Memory per Block (bytes)	Cache Configuration Executed	Global Caching Requested	Global Caching Executed	Local Memory per Thread (bytes)	Device Name
addKernel	(1, 1, 1)	(5, 1, 1)	4,691,547.111	2,784	50.00%	11	0	0	PREFER_SHARED	ON	ON	0	GeForce GTX 1080 Ti

addKernel<<1,5>>> [CUDA Launch]

Device Launches

Call Graph

addKernel [CUDA Kernel]

Experiment Results

- Occupancy
- Instruction Statistics
- Branch Statistics
- Issue Efficiency
- Achieved FLOPS
- Achieved IOPS
- Pipe Utilization
- Achieved FLOPS

Time Range

Start	End	Duration
4691547.111	4691549.895	2,784 us

CUDA Launch

Grid	Device	Context	Stream	Driver API Call ID	Runtime API Call ID	Signature
H:249	[0]	1	1	106	11	addKernel(int*, int const *, int const *)

Configuration

Grid Dimensions	Block Dimensions	Occupancy	Registers per Thread
(1, 1, 1) 1	(5, 1, 1) 5	50.00 %	11