CUDA Occupancy Calculator

Compute Capability version 6.1 Threads per block 256 Registers per thread 12 Shared memory per block 1024 bytes Calculate

GPU Occupancy Data is displayed here and in the graphs

Active Threads per Multiprocessor	2048
Active Warps per Multiprocessor	64
Active Thread Blocks per Multiprocessor	8
Occupancy of each Multiprocessor	
Physical Limits for GPU Compute Capability	
Version	6.1
Threads per Warp	32
Warps per Multiprocessor	64
Threads per Multiprocessor	2048
Thread Blocks per Multiprocessor	32
Total # of 32-bit registers per Multiprocessor	65536
Register allocation unit size	256
Register allocation granularity	warp
Max registers per Block	65536
Max registers per thread	25
Shared Memory per Multiprocessor (bytes)	98304
Shared Memory Allocation unit size	256
Warp allocation granularity (for register allocation)	4
Max thread block size	1024
Allocation Per Thread Block	
Warps	8
Registers	4096
Shared Memory	1024

Limited by Max Warps / Blocks per Multiprocessor

Limited by Registers per Multiprocessor

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