

SHARED MEMORY

· 速度約等於registers,例外:Bank conflict

· 相同 block 下的 threads 可以存取到同樣區塊的shared memory

Ex: Matrix multiplication

• 資料共享







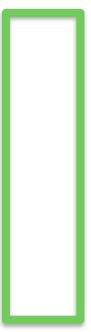


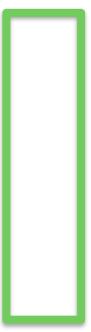


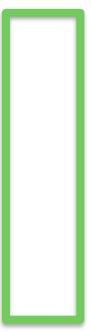


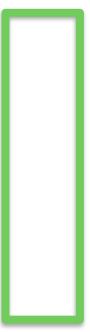








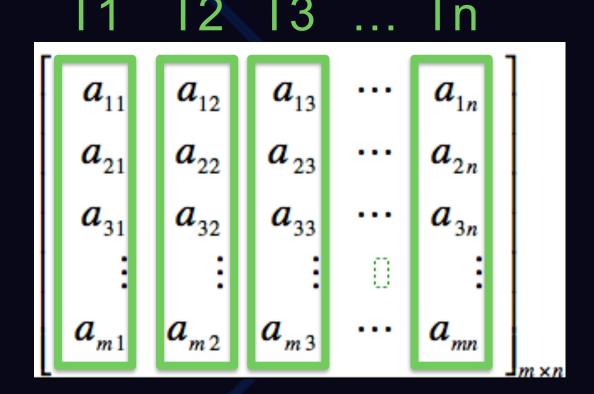




SHARED MEMORY

Total amount of shared memory per block: 49152 bytes
Total shared memory per multiprocessor: 102400 bytes

- 相同 block 下的 threads 可以存取到同樣區塊的shared memory
- · 速度約等於registers,例外:Bank conflict
- 資料共享
- Ex: Matrix multiplication





GLOBAL MEMORY

Total amount of global memory:

- 容量大、速度慢
- 與CPU的溝通橋樑

7982 MBytes (8370061312 bytes)

	規格
NVIDIA CUDA 核心	5888
加速時脈	1.73 GHz
記憶體大小	8 GB
記憶體速度	GDDR6
	檢視完整規格

