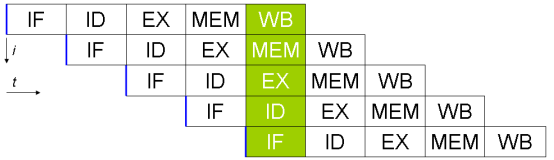
Pipeline

Take care of the order of the instructions

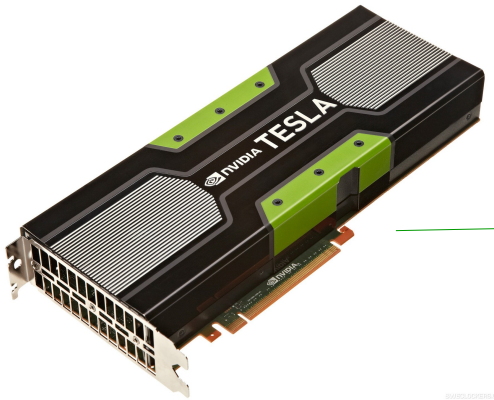


Many cores

Efficient parallelism is complicated

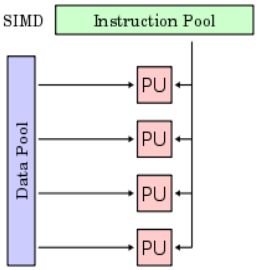
GPUs

Different architecture and paradigm than CPUs



Vector support

Manipulate vector instead of scalar variables



Memory hierarchy

Data locallity →memory access patterns