

Distinguish, differentiate, compare and explain what is the difference between CPU and GPU. Comparison and Differences.

Differences between CPU and GPU

S.No.	CPU	GPU
1	Really fast caches (great for data reuse).	Has lots of math units.
2	Runs lots of differere processes / threads.	Run a program on each fragment / vertex.
3	High performance on a single thread of execution.	High throughput on parallel tasks.
4	Fine branching granularity.	Fast access to onboard memory.
5	CPU are optimised for high performance on sequential codes (caches and branch prediction).	CPU are optimised for higher arithmetic intensity for parallel nature (Floating point operations).
6	CPUs are great for task parallelism.	GPUs are great for data parallelism.