

Latency: how long it takes to get to one pt in system to another pt in system.

e.g. Read data, client to server,

(Sequential) 1 MB from memory 250 μ s $10^6 \mu$ s = 1 s

SSD 1000 μ s

1 Gbps Network 10000 μ s (Right next to us)

(hard disk drive) **HDD** 20000 μ s

packet CA \rightarrow Netherlands \rightarrow CA 150 000 μ s

Throughput: how much work a machine can perform in a given amount time
in 1 Gbps network \leadsto 1 Gbps!

